

# FOR GOVERNMENT USE ONLY

DAILY DRILLING REPORT

RECEIVED  
Anchorage, Alaska

REPORT DATE: 9-18-86

LEASE NO.: 871

WELL NO.: 1 SEP 18 1986

OPERATOR: SWPJI

DRILLING DEPTH: \_\_\_\_\_

FOOTAGE: \_\_\_\_\_ REGIONAL SUPERVISOR  
FIELD OPERATION  
MINERALS MANAGEMENT SERVICE

MUD WT. (PPG): \_\_\_\_\_ VIS: \_\_\_\_\_ PH: \_\_\_\_\_

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PRESENT OPERATIONS: POH LAYING DRILL PIPE  
PROBABLY RIG WILL BE RELEASED ABOUT 3-4 P.M.  
TODAY

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PRINCIPAL WORK ACCOMPLISHED: \_\_\_\_\_

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REMARKS: (Include zones of lost circulation, kicks encounters during drilling operations, zones of abnormal pressure, other hole difficulties, Sea Ice Conditions and Ice Forecast.)

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\_\_\_\_\_  
\_\_\_\_\_

8-1  
871-H1

Rig Name EXPLORER II  
 Shell Drilling Foreman WELLS/ANDERSON  
 Present Activity RIG RELEASED, 1641 HRS 09/18/86.

Elevation KB to MSL 38.4  
 Water Depth 117

Field CORONA Prog. Depth 10000 Day Number 54  
 Lease OCS-Y 871 Present Depth 220 Est. Days 34  
 Well Number 1 Footage Drilled Days +/-  
 Work Order # 266121 Size & Depth of Last Casing: 9 5/8 " @ 7943'

5.0 HRS-FINISHED LAYING DN DP FROM HOLE.  
 1.0 HRS-CLOSED BLIND RAMS, TEST CSG/PLUG T/1000# F/30 MINS. (MMS WITNESSED.)  
 TEST HELD OK.  
 SUMMARY 4.0 HRS-TIH W/6 DC'S/20 STDS DP FROM DERRICK, POH LAYING DN SAME. (LEFT 5  
 OF STDS OF DP IN DERRICK T/ LAY TOP CMT PLUG WITH.)  
 3.0 HRS-PUT EODP AT 430', PUMPED 80 SX OF PERMAFROST CMT +5 LBS/SX  
 OPERATIONS GILSONITE +.12 LBS/SX SODIUM CITRATE, DISP WITH 3.7 BBLS MUD.  
 PULLED UP T/220', REV CIRC UNTIL HAD CLEAN RETURNS. PICK-UP 5' PUMP  
 50 BBLS NACL WATER (9.5 PH) F/CORR INHIBITOR. PULLED UP T/180' AND  
 DISP RISER W/SEAWATER. POH. PULLED WEAR BUSHING.  
 2.0 HRS-DISCONNECT, LAY DN RISER, SET BACK STACK.  
 1.0 HRS-JUMP DIVERS, INSTALL CORROSION COVER ON WELLHEAD, RECOVER DIVERS.  
 0.0 HRS-PULL ANCHORS; 1ST UP AT 1419 HRS; LAST UP AT 1641 HRS 09/18/86.

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: 1  
 Pump Pressure @ Kill Speed: Last BOP Test: 09/12/86

Directional Surveys

Coordinates of Last Shot

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction	
						TVD	Sec	N / S	E / W

PROPRIETARY

TIME	Rotating	Trips	Survey	Jet	COST DATA					
(HRS)	Cum. Rot	D.D.	C & C	Cut DL	Daily Mud	\$	Cumulative Mud	\$	Daily Well	\$
	BHA Insp	80.50	Reamg.	Repair	Other	24.00				

HYDRAULIC	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV	Daily Well	\$
DATA	6.0	12					/	Cumulative Well	\$

DRILLING	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn	Authorized	\$
DATA					/	(+/-) Target	\$

B	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
I											
T											
S											

RECEIVED  
 OCS DISTRICT OFFICE

B OPEN END DRILL PIPE

MINERALS MANAGEMENT SERVICE  
 ANCHORAGE, ALASKA

M	PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HTHP/Temp	Mud Additions
U	0			/	/				/	85 BARITE
D	Pf/Mf	Pm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime
	/				%					

BARITE USED FOR DRY JOBS WHILE LAYING DN DP.

871 #1  
 #110 S-1

Rig Name EXPLORER II  
Shell Drilling Foreman WELLS/GROTE  
Present Activity LAYING DOWN DRILL PIPE

Elevation KB to MSL 38.4  
Water Depth 117

Field CORONA Prog. Depth 10000 Day Number 53  
Lease OCS-Y 871 Present Depth 10000 Est. Days 34  
Well Number 1 Footage Drilled Days +/-  
Work Order # 266121 Size & Depth of Last Casing: 9 5/8 " @ 7943'

SUMMARY 2.5 HRS-RIH TO SHOE W/OEDP  
2.0 HRS-CIRC AND COND MUD  
2.5 HRS-POOH  
S4.0 HRS-RIG UP AND RUN GAGE RING AND JUNK BASKET  
2.0 HRS-RIH AND SET EZ-SV CEMENT RETAINER AT 7840' [RETAINER SET @ 12:30PM]  
OF 0.5 HRS-RIG DOWN SCHLUMBERGER  
3.0 HRS-RIH WITH DRILL PIPE TO 7835'  
1.0 HRS-SPACE OUT-CIRC DRILL PIPE CLEAN  
OPERATIONS 0.5 HRS-STING INTO RETAINER-TEST ANNULUS TO 1500 PSI FOR 15 MIN-OK  
0.5 HRS-DO LEAK OFF TEST-HAD LEAK OFF AT 16.8 PPG EQUIVALENT MUD WEITHT  
1.5 HRS-PUMP 50 BBL WATER-MIX AND PUMP 285 SX CLASS "G" CEMENT, WITH 0.6%  
HR-8, AND 1.25% CFR-2, MIXED AT 17.0 PPG, YIELD .988, FOLLOWED BY  
10 BBL WATER AND 54 BBL MUD-STING INTO RETAINER-SQUEEZE CEMENT AWAY

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: 1  
Pump Pressure @ Kill Speed: Last BOP Test: 09/12/86

Directional Surveys

Coordinates of Last Shot

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
						TVD	Sec	N / S   E / W

PROPRIETARY

TIME	Rotating	Trips	9.00	Survey	Jet	COST DATA		
(HRS)	Cum. Rot 196.00	D.D.	C & C	2.00	Cut DL	Daily Mud	\$	
	BHA Insp 80.50	Reamg.	Repair		Other 13.00	Cumulative Mud	\$	

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV	Daily Well	\$	Cumulative Well	\$
	6.0	12					/				

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn	Authorized	\$
					/	(+/-) Target	\$

B	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
I											
T											
S											

RECEIVED  
OCS DISTRICT OFFICE  
SEP 18 1986

B OPEN END DRILL PIPE  
H  
A

MINERALS MANAGEMENT SERVICE  
ANCHORAGE, ALASKA

M	PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HTHP/Temp	Mud Additions	
	16.3	.847	52	34 / 20	9 / 32	9.0	2	9.0	26.2/150	195 BARITE	
U	Pf/Mf	Pm	C1	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime	78 SALT
D	.15/1.4	.5	7300	160	TRC%	32	0	20.0			

8  
871 #1

17/86  
09/18/86

22:16

SEAL ISLAND  
SHEL WESTERN E&P INC DAILY DRILLING PORT

NO. 009

002

PAGE 2 OF 2

WITH 68 BBL MUD-MAX PRESSURE 3500 PSI, BROKE TO 1500 PSI-FINAL  
PRESSURE 1200 PSI AT 4 BPM  
2.0 HRS-PULL 10 STANDS-REVERSE CIRCULATE PIPE CLEAN  
2.0 HRS-POOH-LAYING DOWN DRILL PIPE

WEATHER; TEMP 3.5C, WIND 110 @ 10K, CEIL 6000 BRKN, VIS 15 MI, BAR 1012.0  
PERSONNEL ON BOARD 91

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PROPRIETARY

RECEIVED  
Anchorage, Alaska

SEP 18 1986

REGIONAL SUPERVISOR  
FIELD OPERATION  
RECEIVED MINERALS MANAGEMENT SERVICE  
OCS DISTRICT OFFICE

SEP 18 1986

MINERALS MANAGEMENT SERVICE  
ANCHORAGE, ALASKA





Rig Name EXPLORER 11  
 Shell Drilling Foreman BROWNING/GROTE  
 Present Activity CIRCULATING BOTTOMS UP AT 9478'

Elevation KB to MSL 36.4  
 Water Depth 117

Field CORONA  
 Lease OCS-Y 871  
 Well Number 1  
 Work Order # 266121

Prog. Depth 10000  
 Present Depth 10000  
 Footage Drilled 0  
 Size & Depth of Last Casing: 9 5/8 " @ 7943'

Day Number 50  
 Est. Days 34  
 Days +/-

**SUMMARY**  
 OF OPERATIONS

0.5 HRS-CIRCULATE BOTTOMS UP AT 9000'  
 1.5 HRS-RIH TO 7940'-CIRCULATE BOTTOMS UP  
 2.0 HRS-RIH TO 8250'-CIRCULATE BOTTOMS UP  
 2.0 HRS RIH TO 8360' CIRCULATE BOTTOMS UP  
 2.5 HRS RIH TO 8470' CIRCULATE BOTTOMS UP  
 1.5 HRS-WASH & REAM 8470' TO 8650'-THIS IS WHERE THE WIRELINE WAS STUCK  
 3.0 HRS-CIRC BOTTOMS UP AT 8650'  
 1.5 HRS-RIH-HIT BRIDGE AT 8695'-L/D DOWN 9 SINGLES, RUN 3 STDS-W/R TO 8920'  
 3.0 HRS CIRCULATE BOTTOMS UP AT 8920'  
 2.0 HRS-RIH TO 9199'-CIRCULATE BOTTOMS UP  
 3.5 HRS-RIH TO 9478'-CIRCULATE BOTTOMS UP

WEATHER; TEMP 3.5C, WIND 110 AT 14 KTS, CEIL 9000', VIS 15 MI, BAR 1018.0  
 PERSONNEL ON BOARD 06

**CONFIDENTIAL**

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: 1  
 Pump Pressure @ Kill Speed: Last BOP Test: 09/12/86

Directional Surveys						Coordinates of Last Shot					
Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction			
								TVD	Sec	N / S	E / W

TIME (HRS)	Rotating	Trips	3.00	Survey	Jet	COST DATA					
	cum. rot	100.00	D.D.	C & C	19.00	Out	DL				
	BHA Insp	80.50	Reamg.	3.00	Repair	Other					
								Daily Mud	RECEIVED		
								Cumulative Muds	MUS DISTRICT OFFICE		
								Daily Well	\$		
								Cumulative Well	\$ 1,1986		

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV	Authorized			
	6.0	12					/	(\$ +/-) Target			
								MINERALS MANAGEMENT SERVICE ANCHORAGE, ALASKA			

B	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
1	17R	8.5	FDT	PC3711	3	18'S			10000	51H	1000

B BIT, BIT SUB W/FLOAT, 3 - 6 1/2" DC, STAR, 3 - 6 1/2" DC, STAR, 1 - HWDP,  
 H JARS, 1 - HWDP, DART SUB, 3 - HWDP, 5" DRILL PIPE  
 A

	PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HTHP/Temp	Mud Additions	
M	16.3	.947	54	38 / 18	9 / 98	9.0	2	8.4	25.8/150	33 BARITE	
U	PI/MI	Pm	C1	Ca	Sand	Solids	Oil	MDT	Gulf.	11 MICA	
D	.1 / 1.4	.4	7200	160	TRC%	32	0	20.0		10 NUT PLUG	

8  
 821 #1

Rig Name EXPLORER II  
 Shell Drilling Foreman BROWNING/GROTE  
 Present Activity CIRCULATING AT 6000'

Elevation KB to MSL 36.4  
 Water Depth 117

**CONFIDENTIAL**

*RCG*

Field CORONA Prog. Depth 10000 Day Number 49  
 Lease OCS-Y 871 Present Depth 10000 Est. Days 34  
 Well Number 1 Footage Drilled 0 Days +/-  
 Work Order # 288121 Size & Depth of Last Casing. 9 5/8 " @ 7943'

2.0 HRS. I/D WEAR BUSHING RTW 2 STANDS DP TO 7841'. CIRCULATED BOTTOMS UP. GETTING 16.3 PPG IN AND 16.3 PPG OUT. PRACTICALLY NO GAS.

4.0 HRS. POOH. L/D BAROID MWD TOOL.

**SUMMARY**

1.5 HRS. RIH AND WASHED WELLHEAD. RAN WEAR BUSHING BUT COULD NOT LOCK IN

1.0 HR. RAN 4 JOINTS OF 9 5/8" CASING FOR A WIRE LINE LUBRICATOR.

**OF** 1.0 HR. RIG UP SCHLUMBERGER.

9.5 HRS. RAN DIL/SONIC/GR/SP. TOOL STUCK AT 8560' ON THE SECOND LOGGING RUN. TOOL CAME LOOSE WITH CONSTANT MEDIUM PULL.

**OPERATIONS** 1.5 HRS. RIG DOWN SCHLUMBERGER AND STAND BACK 9 5/8" CASING LUBRICATOR.

3.0 HRS. RIH TO 6000'

0.5 HRS. FILL PIPE-BREAK CIRC

WEATHER; TEMP 2C, WIND 100 @ 20KTS, CEILING CLEAR, VIS 15 MI BAR 1028.2  
 P.O.B. 98 TODAYS NEGATIVE COSTS REFLECTS TEST EQUIP COST ADJUSTMENT.

Number of Accidents Last 24 Hrs: 0

Number of Accidents Year to Date: 1

Pump Pressure @ Kill Speed:

Last BOP Test: 09/12/86

**Directional Surveys**

**Coordinates of Last Shot**

Depth	Angle	Direction	Depth	Direction	M D	Angle	Direction
					TVD	Sec	N / S E / W

TIME (HRS)	Rotating	Trips	7.00 Survey	Jet
	Cum. Rot 196.00	D.D.	C & C	2.00 Cut Off
	BHA Insp 80.50	Reamg.	Repair	Other 15.00

**COST DATA**

Daily Mud OCS DISTRICT OFFICE  
 Cumulative Mud \$  
 Daily Well \$ 1986  
 Cumulative Well \$

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV
	6.0	12					/

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn
					/

Authoriz Minerals Management Service  
 (+/-) Target ANCHORAGE, ALASKA

B I	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
T	17	8.5	FDT	FC3711	3-13'S	1-1-I	10000	10000	0		
S	17R	8.5	FDT	FC3711	3-13'S		10000	SIH	-1000		

B BIT, BIT SUB W/FLOAT. 3 - 6 1/2" DC, STAB, 3 - 6 1/2" DC, STAB, 1 - HWDP,  
 H JARS, 1 - HWDP, DART SUB, 3 - HWDP, 5" DRILL PIPE.

	PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HTHP/Temp	Mud Additions	
M	16.3	.847	52	33 / 21	8 / 36	9.0	2	8.6	25.4/150	39 BARITE	
U	Pf/MF	Pm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime	3 CAUSTIC
D	2 / 1.4	.7	7600	200	TRC%	32	0	20			

8-1  
 871#1

Rig Name EXPLORER II  
 Shell Drilling Foreman BROWNING/GROTE  
 Present Activity ATTEMPTING TO SET WEAR SLEEVE  
 Elevation KB to MSL 38.4  
 Water Depth 117  
 Field CORONA  
 Lease OCS-Y 871  
 Well Number 1  
 Work Order # 266121  
 Prog. Depth 10000  
 Present Depth 10000  
 Footage Drilled 0  
 Size & Depth of Last Casing:  
 Day Number 48  
 Est. Days 34  
 Days +/- -3  
 9 5/8 " @ 7943

SUMMARY  
 OF OPERATIONS  
 3.0 HRS. CCM AT TD. RETURN MUD CUT TO 15.7 PPG. MUD IN 16.0 PPG.  
 3.0 HRS. ADD 4 LBS. LOST CIRCULATION MATERIAL PER BARREL. MUD CUT TO 15.7.  
 5.0 HRS. INCREASE MUD WEIGHT TO 16.3 PPG. MIXED PIT(250 BBL) 18.5 PPG MUD WHILE CIRCULATING.  
 1.5 HRS. SPOTTED 250 BBLs. 18.5 PPG MUD IN OPEN HOLE.  
 1.5 HRS. PULL 25 STANDS DP TO 7655'(3 STANDS INSIDE OF CASING).  
 2.5 HRS. CCM 3 STANDS ABOVE SHOE. 16.3 PPG ALL AROUND.  
 0.5 HR. PULL WEAR BUSHING AND RUN TEST PLUG.  
 2.5 HRS. TEST SUBSEA BOPE. ALL OK. PULL TEST PLUG.  
 4.5 HRS. ATTEMPT TO RUN WEAR BUSHING. MADE 3 ATTEMPTS. RAN WASHING TOOL TO WASH BOWL IN WHICH SLEEVE SITS.  
 WX: WIND 18 KTS @ 280 DEG, CEIL 2000', VIS 15 MI, TEMP 4C, BAR 1027, NO PREC P.O.B.=95

Number of Accidents Last 24 Hrs: 0  
 Pump Pressure @ Kill Speed:  
 Number of Accidents Year to Date: 1  
 Last BOP Test: 09/12/86

Directional Surveys						Coordinates of Last Shot					
Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction			
								TVD	Sec	N / S	E / W

TIME (HRS)	Rotating Cum. Rot	Trips D.D.	1.50 Survey	Jet C & C	15.00 Cut DL	Other	7.50	COST DATA RECEIVED			
	BHA Insp	80.50	Reamg.	Repair				Daily Mud	\$	OCS DISTRICT OFFICE	
								Cumulative Mud	\$	SEP 15 1986	
								Daily Well	\$		
								Cumulative Well	\$		
								MINERALS MANAGEMENT SERVICE ANCHORAGE, ALASKA			
								Authorized (+/-) Target	\$		

B I S	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
T	17	8.5	FDT	FC3711	3-13'S		10000	SIH	-1000		
S							SIH				

B BIT, BIT SUB, DBL PIN SUB, BAROID MWD, PONY COLLAR, STAB, 2-6 1/2" DC, STAB.  
 H 4-6 1/2" DC, STAB, 4-6 1/2" DC, STAB, 4-6 1/2" DC, 1 HWDP, JARS, 1 HWDP.  
 A

M U D	PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HTHP/Temp	Mud Additions		
	16.3	.847	52	34 / 21	8 / 34	9.0	2	8.4	25.8/150	BAR 1388		
		Pf/MF	Pm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime	MICA 50
	.2 / 1.5	.8	7600	160	TR %	32	0	20				N. PLUG 50
												VC-10 2

Rig Name EXPLORER II  
 Shell Drilling Foreman BROWNING/GROTE  
 Present Activity CCM AT 10,000'

Elevation KB to MSL 38.4  
 Water Depth 117

Field CORONA	Prog. Depth 10000	Day Number 47
Lease OCS-Y 871	Present Depth 10000	Est. Days 34
Well Number 1	Footage Drilled 0	Days +/- -3
Work Order # 286121	Size & Depth of Last Casing:	9 5/8 " @ 7943'

2.5 HRS. FINISH PICKING UP SINGLES. RIH TO 8600'. CCM.  
 2.5 HRS. RIH TO 9500'. CCM. STARTED LOSING RETURNS. LOST 8 BBLs. (PUMPING AT 80 SPM AND 2000 PSI). POOH TO SHOE.

SUMMARY 6.0 HRS. CCM. DECREASE MUD WEIGHT FROM 16.3 PPG TO 16.0 PPG. RIH TO 8831'. CCM.

OF 2.5 HRS. RIH TO 9327'. CCM. MUD WEIGHT CUT TO 15.7 PPG.

2.5 HRS. RIH. HIT BRIDGE AT 9380'. WASH AND REAM TO 9476'. CIRCULATE BOTTOMS UP. MUD WEIGHT CUT TO 15.8 PPG.

OPERATIONS 0.5 HR. LAY DOWN 8 SINGLES. RIH WITH 3 STANDS.

7.5 HRS. WASH AND REAM FROM 9476' TO 10000'. HAD TIGHT SPOT AT 9489' (ALSO HAD AT LEAST ONE BRIDGE TO WASH OUT ON EACH SINGLE. CCM.

WX: WIND 16 KTS AT 230 DEG, CEIL 2000', VIS 15 MI, NO PRECIP, TEMP 12C  
 BAR 1014. P.O.B.=96.

Number of Accidents Last 24 Hrs: 0

Number of Accidents Year to Date: 1

Pump Pressure @ Kill Speed:

Last BOP Test: 09/02/86

Directional Surveys

Coordinates of Last Shot

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
						TVD	Sec	N / S   E / W

PROPRIETARY

TIME (HRS)	Rotating	Trips	5.00 Survey	Jet
	Cum. Rot 196.00	D.D.	C & C	9.50 Cut DL
	BHA Insp 80.50	Reamg.	9.00 Repair	Other 0.50

COST DATA

Daily Mud	\$
Cumulative Mud	\$
Daily Well	\$
Cumulative Well	\$

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV
	8.0	12					/

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn
					/

Authorized	\$
(+/-) Target	\$

B I T	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
T S	17	8.5	FDT	FC3711	3-13'S		10000		-1000		

B H A BIT, BIT SUB, DBL PIN SUB, BAROID MWD, PONY COLLAR, STAB, 2-6 1/2" DC, STAB, 4-6 1/2" DC, STAB, 4-6 1/2" DC, STAB, 4-6 1/2" DC. 1 HWDP, JARS, 1 HWDP.

M U D	PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HTHP/Temp	Mud Additions
	16.0	.832	50	35 / 18	8 / 26	9.0	2	7.9	26.2/150	BAR 64
U	Pf/Mf	Pm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime
D	.15/1.3	.5	8000	160	TR %	31	0	20		

4087/1  
 File #8

Rig Name EXPLORER II  
Shell Drilling Foreman BROWNING/WELLS  
Present Activity GIH PICKING UP DRILL PIPE

CONFIDENTIAL

Elevation KB to MSL 38.4  
Water Depth 117

Field CORONA Prog. Depth 10000 Day Number 46  
Lease OCS-Y 871 Present Depth 10000 Est. Days 34  
Well Number 1 Footage Drilled 0 Days +/- -3  
Work Order # 266121 Size & Depth of Last Casing: 9 5/8 " @ 7943'

SUMMARY  
3.0 HRS. CCM TO 16.3 PPG.  
17.0 HRS. POOH TO CHECK INTEGRITY OF DRILL STRING. L/D 11 JTS. BAD DP.  
FOUND WASHOUT AT 225' ABOVE BIT AT DC CONNECTION. L/D ANADRIL MWD.  
PUT BAROID MWD JUST ABOVE BIT. CHANGED OUT DRILLING JARS. TIH TO SHOE.  
OF 2.5 HRS. CCM. GAS CUT MUD FOR 2 HRS. CIRCULATING 16.3 IN. MAX CUT 9.2 PPG.  
1.5 HRS. CUT DL WHILE CIRCULATING WELL. PRESENTLY 16.3 PPG IN AND 15.7 PPG OUT.

PRIVATE & CONFIDENTIAL

OPERATIONS

ICE: NONE. POB: 94.  
WX: TEMP 3C, CEIL UNLTD, VIS 15+, WIND 130DEG @ 20 KTS

NOTE: WHALE MIGRATION CALLED BY MMS AT 16:00 HOURS, 9/10/86.

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: 1  
Pump Pressure @ Kill Speed: AT SHOE 350 PSI @ 30 SPM Last BOP Test: 09/02/86

Directional Surveys

Coordinates of Last Shot

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
<b>PROPRIETARY</b>						TVD	Sec	N / S E / W

TIME | Rotating | Trips 17.00 | Survey | Jet  
| Cum. Rot 196.00 | D.D. | C & C 5.50 | Cut DL 1.50  
(HRS) | BHA Insp 80.50 | Reang. | Repair | Other 0.00

COST DATA

RECEIVED  
DAILY MUD DISTRICT OFFICE  
Cumulative Mud \$  
Daily Well 111 1986  
Cumulative Well \$

HYDRAULIC | Liner | Stroke | SPM | GPM | PSI | HHP | AV / CV  
DATA | 6.0 | 12 | 52 | 225 | 1200 | | /

DRILLING | Hook Load | Bit Weight | RPM | Torque | Drag Up/Dn  
DATA | 290 | | | AMPS | /

Authorized MANAGEMENT SERVICE  
(+/-) Target ANCHORAGE, ALASKA

B	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
I											
T	16	8.5	J2	LD425	3-10'S	3-1-I	9684	10000	336	16.50	20.3
S	17	8.5	FDT	FC3711	3-13'S		10000		-1000		

B BIT, BIT SUB, DBL PIN SUB, BAROID MWD, PONY COLLAR, STAB, 2-6 1/2" DC, STAB.  
H 4-6 1/2" DC, STAB, 4-6 1/2" DC, STAB, 4-6 1/2" DC, 1 HWDP, JARS, 1 HWDP.  
A

	PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HTHP/Temp	Mud Additions	
M	16.2+	.842	52	37 / 22	8 / 28	9.5	3	7.5	26 / 150	BAR 182	
U	Pf/Mf	Pm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime	VC-10 4
D	.15/1.4	.35	8200	160	.25%	32	0	17.5			XCD 1
											MAXIPAK 1

8  
871 #1

DATE 09/10/86

SHELL WESTERN E&P INC DAILY DRILLING REPORT

PAGE 1 OF 2

Rig Name EXPLORER II  
Shell Drilling Foreman BROWNING/WELLS  
Present Activity CIRCULATING BOTTOMS UP

CONFIDENTIAL

Elevation KB to MSL 38.4  
Water Depth 117

Field CORONA	Prog. Depth 10000	Day Number 45
Lease OCS-Y 871	Present Depth 10000	Est. Days 34
Well Number 1	Footage Drilled 0	Days +/- -3
Work Order # 266121	Size & Depth of Last Casing:	9 5/8 " @ 7943

1.5 HRS. CCM HOLDING 500 PSI ON CASING. 12.5# MUD IN-11.9# OUT.  
 4.5 HRS. RAISE MUD WT. TO 13#. HELD 200PSI BACK PRESSURE WHILE RAISING. 13 PPG IN-12.6PPG OUT.

SUMMARY OF OPERATIONS

1.5 HRS. OPENED HYDRIL, CCM AT 93 SPM. START RAISING MUD WEIGHT TO 13.5 PPG.  
 1.0 HR. RAISING MUD WEIGHT TO 14.0 PPG. MUD STILL BADLY GAS CUT. 14 PPG IN 13.4 PPG OUT. DIVERTER CLOSED TO SAVE MUD.  
 2.5 HRS. STARTED RAISING MUD WEIGHT TO 14.5 PPG. CHANGED TO 15 PPG. RETURNS LOOKING BETTER. HAD INDICATIONS OF WASHOUT. CHANGED TARGET TO 15.5 PPG AND THEN TO 16 PPG. SLOWED PUMPS TO 65 SPM, 1500 PSI ON DP.  
 9.0 HRS. CCM 16 PPG WEIGHT. WELL BLEW 20 BBLs OF MUD OUT OF RISER. SHUT WELL IN ON HYDRIL. RAISED MUD WEIGHT TO 16.3 PPG ON CHOKE. CIRCULATED AROUND TWICE AND THEN OPENED HYDRIL. WELL QUIET. CIRCULATED 16.3 PPG MUD ALL THE WAY AROUND.

Number of Accidents Last 24 Hrs: 0      Number of Accidents Year to Date: 1  
 Pump Pressure @ Kill Speed: 1200 PSI @ 52 SPM      Last BOP Test: 09/02/86

Directional Surveys						Coordinates of Last Shot			
Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction	
						TVD	Sec	N / S   E / W	

TIME (HRS)	Rotating Cum. Rot	Trips D.D.	3.00 Survey	Jet C & C	21.00 Cut DL	Repair	Other	0.00
	BHA Insp	80.50	Reamg.					

COST DATA			
Daily Mud	\$		
Cumulative Mud	\$		
Daily Well	\$		
Cumulative Well	\$	101986	

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV
	6.0	12	52	225	1200		/

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque AMPS	Drag Up/Dn	Authorized (+/-) Target
	290					MINERALS MANAGEMENT SERVICE ANCHORAGE, ALASKA

B I T S	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
	16	8.5	J2	LD425	3-10'S	INC	9664	10000	336	16.50	20.3
							10000				

B H A 8.5" BIT, BIT SUB, 6.5"DC, XO, MWD(ANADRILL), FILTER SUB, XO, 6.5"DC, STAB, MWD(BAROID), 6.5" LEAD COLLAR, 2-6.5"DC, STAB, 4-6.5"DC, STAB, 4-6.5"DC, STAB, 4-6.5"DC, STAB, 3-6.5"DC, 1-HWDP, JARS, 1-HWDP, DART SUB, 3-HWDP.

M U D	PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HHP/Temp	Mud Additions		
	16.3	.847	45	34 / 13	7 / 22	9.5	3	8.2	25.4/150	BAR 4330		
		Pf/MF	Pm	C1	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime	VC-10 7
	.1 / 1.2	.35	8000	180	.25%	32.5	0	20				CAUSTIC 5

Y087 #1  
CA

3.0 HRS. PULLED 22 STANDS TO CASING SHOE. OBTAINED NEW C&K FRICTION LOSS VALUES. RIH TO 9938'.  
 1.0 HR. CIRCULATING BOTTOMS UP, MUD CUT T/15.7 PPG FOR 10 MINS. 1500 UNITS OF GAS MAX. CIRC T/REGAIN 16.3 PPG MUD RET'S AT RPT TIME.

REC VERBAL VARIANCE TO POSTPHONE BOPE TEST FROM MR. BOB RIGGINS, MMS REP.

ICE: NONE. PERSONS ON BOARD: 94  
 WX: TEMP 3C, CEILING 4500' VIS 10 MILES. WIND 200 DEG AT 16KTS.

CONFIDENTIAL

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Rig Name EXPLORER II  
 Shell Drilling Foreman BROWNING/WELLS  
 Present Activity RASING MUD WT T/12.5 PPG.

**CONFIDENTIAL**

Elevation KB to MSL 98.4  
 Water Depth 117

Field CORONA	Prog. Depth 10000	Day Number 44
Lease OCS-Y 871	Present Depth 10000	Est. Days 34
Well Number 1	Footage Drilled 243	Days +/- -2
Work Order # 266121	Size & Depth of Last Casing:	9 5/8 " @ 7943'

**SUMMARY**  
 11.5 HRS. DRLG F/9757' T/10000' W/BIT #16. (RAISED MUD WT F/11.2 T/11.5 PPG.)  
 2.0 HRS. SHORT TRIP TO CASING SHOE AND BACK TO TD. (HOLE IN VERY GOOD COND)  
 1.0 HRS. CIRC BOTTOMS UP. MUD CUT TO 10.4 PPG FOR 10 MIN. (MAX. 2900 UNITS)  
 MUD CUTTING SLOWLY BECAME LESS, UP TO 10.8 PPG, DURING NEXT 75 MIN  
 3.5 HRS. RET MUD WT .7 PPG LESS THAN MUD WT IN AFTER COMPLETE CIRC. SHUT IN  
 WELL. HAD 125 SIDPP. RAISED MUD WT T/11.8 PPG. CIRC AROUND, RET WT  
 ONLY UP TO 11.1 PPG. GAS CUT .7, STEADY 1750 UNITS GAS.  
 3.5 HRS. WT UP TO 12.1 PPG. CIRC AROUND, RET WT 11.3, GAS CUT .8, STEADY  
 1000 UNITS GAS RET.  
**OPERATIONS**  
 2.5 HRS. BROUGHT MUD WT GOING IN UP T/12.5 PPG, CIRC AROUND AT RPT TIME.

ICE: NONE. PERSONS ON BOARD: 96  
 WX: TEMP 3C. CEILING 4000' VIS 10 MILES IN LIGHT RAIN. WIND 270 AT 12KTS.

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: 1  
 Pump Pressure @ Kill Speed: #1 1050 PSI @ 40SPM, #2 1000 PSI @ 40SPM Last BOP Test: 09/02/86

Directional Surveys						Coordinates of Last Shot			
Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction	
9609	3.42	23.78							
9665	3.61	35.04							
9817	3.52	27.2				TVD	Sec	N / S   E / W	

TIME	Rotating	11.50 Trips	2.00 Survey	Jet	COST DATA				
	Cum. Rot	196.00 D.D.	C & C	10.50 Cut DL					
(HRS)	BHA Insp	80.50 Reang.	Repair	Other	0.00	Daily Mud			
	HYDRAULIC	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV	Cumulative Mud
	DATA	8.0	12	97	420	4350		/	Daily Well
									Cumulative Well

DRILLING	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn	Authorized
DATA	308	45	110	720 AMPS	/	(+/-) Target

B	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
I											
T	16	8.5	J2	LD425	3-10'S	INC	9664	10000	336	16.50	20.3
S							10000				

B | 8.5" BIT, BIT SUB, 6.5"DC, XO, MWD(ANADRILL), FILTER SUB, XO, 6.5"DC, STAB,  
 H | MWD(BAROID), 6.5" LEAD COLLAR, 2-6.5"DC, STAB, 4-6.5"DC, STAB, 4-6.5"DC,  
 A | STAB, 4-6.5"DC, STAB, 3-6.5"DC, 1-HWDP, JARS, 1-HWDP, DART SUB, 3-HWDP.

	PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HTHP/Temp	Mud Additions	
M	12.5	.65	39	16 / 13	5 / 18	9.2	2	8.4	23.0/150	706 BARITE	
U	Pf/Mf	Pm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Line	20 VC-10
D	.1 / 1.2	.3	7500	200	.25%	16	0	22.5			4 TECHSPERS

0871,  
 #1  
 8-1

DATE 09/08/86

SHELL WESTERN E&P INC DAILY DRILLING REPORT

PAGE 1 OF 1

Rig Name EXPLORER II
Shell Drilling Foreman BROWNING/WELLS
Present Activity DRILLING AHEAD.

CONFIDENTIAL

Elevation KB to MSL 38.4
Water Depth 117

Field CORONA Prog. Depth 10000 Day Number 43
Lease OCS-Y 871 Present Depth 9757' Est. Days 34
Well Number 1 Footage Drilled 182 Days +/- -3
Work Order # 268121 Size & Depth of Last Casing: 9 5/8 " @ 7943'

SUMMARY OF 7.0 HRS. DRLG F/9575' T/9664 W/BIT #15.
2.0 HRS. SHORT TRIP TO CASING SHOE AND BACK TO TD. (HOLE IN VERY GOOD COND)
1.0 HRS. CIRC BOTTOMS UP. MUD CUT TO 10.6 PPG FOR 5 MIN. (MAX. 1100 UNITS)
9.0 HRS. TRIP F/NEW BIT. CNG OUT 10 BAD JTS OF GRADE 'E' DP.
MUD CUT TO 10.7 PPG FOR 5 MINS. (MAX. 900 UNITS GAS AT BTMS UP.)
5.0 HRS. DRLG F/9664' T/9757' W/BIT #16.

RECEIVED
OCS DISTRICT OFFICE

OPERATIONS

WX: TEMP 2.0C, CEILING 8000', VIS 15+, WIND 020 AT 05KTS.
ICE: TRACE, MOVING 180 DEG AT .4KTS.
POB: 99 (PERSONS ON BOARD)

SEP 8 1986

MINERAL SERVICES

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: 1
Pump Pressure @ Kill Speed: #1 1050 PSI @ 40SPM, #2 1000 PSI @ 40SPM Last BOP Test: 09/02/86

Table with 9 columns: Directional Surveys (Depth, Angle, Direction) and Coordinates of Last Shot (M D, Angle, Direction, TVD, Sec, N/S, E/W)

Table with 7 columns: TIME (Rotating, Cum. Rot, BHA Insp), Trips (12.00, 184.50, 69.00), Survey (11.00, C & C, Repair), Jet (1.00, Other), and Daily M (Cumulat, Daily W, Cumulat)

Table with 8 columns: HYDRAULIC DATA (Liner, Stroke, SPM, GPM, PSI, HHP, AV / CV)

Table with 7 columns: DRILLING DATA (Hook Load, Bit Weight, RPM, Torque, Drag Up/Dn, Authori (+/-) T)

Table with 12 columns: Bit (I, T, S), Size, Type, Serial, Jets, T.B.G., In, Out, Footage, Hours, Ft/Hr

B | 8.5" BIT, BIT SUB, 6.5"DC, XO, MWD(ANADRILL), FILTER SUB, XO, 6.5"DC, STAB,
H | MWD(BAROID), 6.5" LEAD COLLAR, 2-6.5"DC, STAB, 4-6.5"DC, STAB, 4-6.5"DC,
A | STAB, 4-6.5"DC, STAB, 3-6.5"DC, 1-HWDP, JARS, 1-HWDP, DART SUB, 3-HWDP.

Table with 12 columns: PPG, Grad, Vis, PV/YP, Gels, pH, Cake, WL-API, HTHP/Temp, Mud Additions (5 CAUSTIC, 19 VC-10), and handwritten notes (0841 #1, 8-1)

*File*

DATE 09/07/86

SHELL WESTERN E&P INC DAILY DRILLING REPORT

PAGE 1 OF 1

Rig Name EXPLORER II  
Shell Drilling Foreman BROWNING/WELLS  
Present Activity DRILLING AHEAD.

**CONFIDENTIAL**

Elevation KB to MSL 38.4  
Water Depth 117

Field CORONA Prog. Depth 10000 Day Number 42  
Lease OCS-Y 871 Present Depth 9575' Est. Days 34  
Well Number 1 Footage Drilled 411 Days +/- -3  
Work Order # 266121 Size & Depth of Last Casing: 9 5/8 " @ 7943'

24.0 HRS.DRLG F/9164' T/9575 W/BIT #15.

SUMMARY

OF

RECEIVED  
OCS DISTRICT OFFICE

SEP 8 1986

OPERATIONS

MINERALS MANAGEMENT SERVICE  
ANCHORAGE, ALASKA

WX: TEMP 5.0C, CEILING UNLIMITED, VIS 15+, WIND 120 AT 22KTS.  
ICE: TRACE, MOVING 063 DEG AT .18KTS.  
POB: 93 (PERSONS ON BOARD)

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: 1  
Pump Pressure @ Kill Speed: #1 780 PSI @ 40SPM, #2 800 PSI @ 40SPM Last BOP Test: 09/02/86

Directional Surveys

Coordinates of Last Shot

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
9088	2.8	15.4						
9362	3.0	26.4						
						TVD	Sec	N / S   E / W

TIME	Rotating	24.00 Trips	Survey	Jet	COST DATA			
(HRS)	Cum. Rot	172.50 D.D.	C & C	Cut DL				
	BHA Insp	57.00 Reamg.	Repair	Other	0.00			Daily M Cumulat:

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV	Daily W Cumulat:
	6.0	12	96	415	4200		/	

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn	Authoriz (+/-) T
	308	45	110	650 AMPS	/	

B	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
I											
T	15	8.5	J2	LD481	3-10'S	INC	9164		-9164		
S											

B | 8.5" BIT, BIT SUB, 6.5"DC. XO, MWD(ANADRILL), FILTER SUB, XO, 6.5"DC, STAB.  
H | MWD(BAROID), 6.5" LEAD COLLAR, 2-6.5"DC, STAB, 4-6.5"DC, STAB, 4-6.5"DC,  
A | STAB, 4-6.5"DC, STAB, 3-6.5"DC, 1-HWDP, JARS, 1-HWDP, DART SUB, 3-HWDP.

	PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HTHP/Temp	Mud Additions	14 DRISPAC
M	11.2	.582	40	16 / 12	8 / 29	9.5	2	8.8	22.8/150	366 BARITE	2 LIME
U	Pf/Mf	Pm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime	128 GEL
D	.1 / .9	.4	8000	380	.25%	14.5	0	17.5			8 CAUSTIC
											9 BICARB

0871 # 1  
8-1

8/18/86	8000	0	Logging, <sup>ran</sup> running 9 5/8" casing (7943) and cemented, 2/10 ice coverage.
8/19/86	8000	0	Ran leak-off test, tested BOPS, trace of ice.
8/20/86	8250	250	Drilling ahead.
8/21/86	8435	185	Drilling ahead.
8/22/86	8534	99	Drilling ahead, hand <sup>g</sup> off drill pipe and pulling anchors, standing by due to ice, 4/10 ice coverage <sup>g</sup> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">g</span>
8/23/86	8534	0	Waiting on ice, 8/10 to 9/10 ice coverage.
8/24/86	8534	0	Waiting on ice, 8/10 ice coverage.
8/25/86	8534	0	Waiting on ice, 7/10 ice coverage.

8/26/86	8534	0	Waiting on ice, dropped anchors, retrieved anchors, 3/10 ice coverage .
8/27/86	8534	0	Waiting on ice, 10/10 ice coverage.
8/28/86	8534	0	Waiting on ice, 4/10 ice coverage.
8/29/86	8534	0	Waiting on ice, 3/10 to 10/10 ice coverage.
8/30/86	8534	0	Waiting on ice, 1/10 ice coverage.
8/31/86	8534	0	Waiting on ice, setting anchors.
9/1/86	<sup>5</sup> <del>8</del> 572	32	Test BOPS, drilling ahead hang off due <del>X</del> to ice, standing by.
9/2/86	8572	0	Waiting on ice.
9/3/86	8572	0	Back on location, setting anchors, test BOP.

*[Handwritten signature]*

DATE 09/06/86

SHELL WESTERN E&P INC DAILY DRILLING REPORT

PAGE 1 OF 1

Rig Name EXPLORER II  
Shell Drilling Foreman BROWNING/WELLS  
Present Activity BREAKING CIRC AFTER TRIP.

Elevation KB to MSL 38.4  
Water Depth 117

**CONFIDENTIAL**

Field CORONA	Prog. Depth 10000	Day Number 41
Lease OCS-Y 871	Present Depth 9164'	Est. Days 34
Well Number 1	Footage Drilled 176	Days +/- -3
Work Order # 266121	Size & Depth of Last Casing:	9 5/8 " @ 7943'

**SUMMARY OF OPERATIONS**

11.8 HRS. DRLG F/8988' T/9164' W/BIT #14.  
 1.5 HRS. CHECK F/FLOW. NONE. SHORT TRIP, T/SHOE AND BACK T/BTM.  
 1.0 HRS. CIRC BTMS UP, HAD 100 UNITS OVER BACK-GROUND GAS, NO GAS CUT MUD.  
 4.0 HRS. CHECK F/FLOW, NONE. POH F/NEW BIT. RECOVER BAROID MWD INFO, (BAD).  
 1.0 HRS. LAY DN ANADRILL NON-WORKING TOOL, PICKED UP ANOTHER THAT WILL GIVE DRIFT/DIR/GR INFO.  
 1.5 HRS. REPAIR HIGH DRUM CLUTCH ON DRAWWORKS.  
 3.5 HRS. TIH W/BIT #15. BREAKING CIRC ON BTM AT RPT TIME.

NOTE: RECEIVED PERMISSION FROM MR. BOB RIGGENS, MMS, TO FOREGO SURVEYS TEMP.  
 WX: TEMP 9.2C, CEILING 7000', VIS 15+, WIND 140 AT 7 KTS.  
 ICE: TRACE, MOVING 285 DEG AT .35KTS.  
 POB: 93 (PERSONS ON BOARD)

Number of Accidents Last 24 Hrs: 0      Number of Accidents Year to Date: 1  
 Pump Pressure @ Kill Speed: #1 1100PSI @ 50SPM, #2 1100PSI @ 50SPM      Last BOP Test: 09/02/86

Directional Surveys

Coordinates of Last Shot

Depth	Angle	OCS Direction	Depth	Angle	Direction	Coordinates of Last Shot			
						M D	Angle	Direction	
						TVD	Sec	N / S	E / W

RECEIVED  
 DISTRICT OFFICE  
 SEP 6 1986

MINERALS MANAGEMENT SERVICE  
 ANCHORAGE, ALASKA

TIME	Rotating	11.50 Trips	9.00 Survey	Jet	
	Cum. Rot	148.50 D.D.	C & C	1.00 Cut DL	
(HRS)	BHA Insp	33.00 Reamg.	Repair	1.50 Other	1.00

Daily M  
 Cumulat  
 Daily W  
 Cumulat

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV
	6.0	12	87	376	3200		/

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn	Author:
	300	45	110	515 AMPS	/	(+/-) ?

B	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/
I											
T	14	8.5	FDT	FC5472	3-10'S	4-1-I	8766	9164	398	20.50	19
S	15	8.5	J2	LD481	3-10'S		9164				

B | 8.5" BIT, BIT SUB, 6.5"DC, XO, MWD(ANADRILL), FILTER SUB, XO, 6.5"DC, STAB,  
 H | MWD(BAROID), 6.5" LEAD COLLAR, 2-6.5"DC, STAB, 4-6.5"DC, STAB, 4-6.5"DC,  
 A | STAB, 4-6.5"DC, STAB, 3-6.5"DC, 1-HWDP, JARS, 1-HWDP, DART SUB, 3-HWDP.

PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	RTHP/Temp	Mud Additions	
M	11.2	.582	42	17 /10	5 /23	9.0	2	8.8	25.8/150	327 BARITE
U	Pf/Mf	Pm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime
D	.05/.85	.3	8000	520	.25%	13.5	0	15.0		

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09/05/86

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SEAL ISLAND

NO. 004

001

DATE 09/05/86

SHELL WESTERN E&P INC DAILY DRILLING REPORT

PAGE 1 OF 1

Rig Name EXPLORER II  
Shell Drilling Foreman BROWNING/WELLS  
Present Activity DRILLING AHEAD.

CONFIDENTIAL

Elevation KB to MSL 98.4  
Water Depth 117

Field CORONA  
Lease OCS-Y 871  
Well Number 1  
Work Order # 286121

Prog. Depth 10000  
Present Depth 8988  
Footage Drilled 222  
Size & Depth of Last Casing:

Day Number 40  
Est. Days 34  
Days +/-  
9 5/8 " @ 7943

9.0 HRS FINISH TIH, LAYED DN 52 JTS BAD 'E' DP, PICKED UP 52 T/REPLACE IT.  
6.0 HRS WASH/LOG FOR BARIOD MWD F/8518' T/8766'.  
9.0 HRS DRLG F/8766' T/8988'. MUD CUT T/10.8 PPG WHILE WASH/LOGGING T/TD.

SUMMARY

NO TIGHT SPOTS.

OF

PROPRIETARY

RECEIVED  
USS DISTRICT OFFICE

SEP 5 1986

OPERATIONS

WX: TEMP 10C, CEILING 6500', VIS 10+, WIND 250 AT 11KTS.  
ICE: 1/10TH MOVING 277 DEG AT .5KTS.  
POB: 93

MINERALS MANAGEMENT SERVICE  
ANCHORAGE, ALASKA

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: 1  
Pump Pressure @ Kill Speed: #1 1100PSI @ 50SPM, #2 1100PSI @ 50SPM Last BOP Test: 09/02/86

Directional Surveys						Coordinates of Last Shot			
Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction	
8620	2.18	21.4							
						TVD	Sec	N / S   E / W	

TIME (HRS)	Rotating	9.00 Trips	9.00 Survey	6.00 Jet	COST DATA			
	Cum. Rot	137.00 D.D.	C & C	Cut DL	Daily Mud	\$	Cumulative Mud	\$
	BHA Insp	21.50 Reang.	Repair	Other	24.00	\$	Daily Well	\$
						\$	Cumulative Well	\$

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV	DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn	Authorized (+/-) Target	\$
	6.0	12	87	376	3200		/		300	45	110	515 AMPS	/		\$

B I T	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/I
T	14	8.5	FDT	FC5472	3-10'S	INC	8766	8988	222	9.00	24
S							8988				

B 8.5" BIT, BIT SUB, 6.5"DC, XO, MWD(ANADRILL), FILTER SUB, XO, 6.5"DC, STAB,  
H MWD(BAROID), 6.5" LEAD COLLAR, 2-6.5"DC, STAB, 4-6.5"DC, STAB, 4-6.5"DC,  
A STAB, 4-6.5"DC, STAB, 3-6.5"DC, 1-HWDP, JARS, 1-HWDP, DART SUB, 3-HWDP.

M U D	PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	NTHP/Temp	Mud Additions		
	11.0	.572	40	18 / 10	4 / 17	9.0	2	9.0	25.6/	BAR 1018		
	U	Pf/Mf	Pm	Cl	Ca	Sand	Solids	Oil%	NBT	Sulf.	Line	CAUSTIC 6
	D	0.1/.95	.25	9500	560	TR %	13	0	15			LIME 3

81-1 871#1

# FOR GOVERNMENT USE ONLY

DAILY DRILLING REPORT

RECEIVED  
Anchorage, Alaska

SEP 04 1986

REPORT DATE: 9-4-86

LEASE NO.: 871

WELL NO.: 1

REGIONAL SUPERVISOR  
FIELD OPERATION  
MINERALS MANAGEMENT SERVICE

OPERATOR: SHELL SWAPT

DRILLING DEPTH: 8766

FOOTAGE: 194'

MUD WT. (PPG): 11.0

VIS: 50

PH: 9.3

\*\*\*\*\*

PRESENT OPERATIONS: RIH

\_\_\_\_\_  
\_\_\_\_\_

\*\*\*\*\*

PRINCIPAL WORK ACCOMPLISHED: \_\_\_\_\_

BIT LOCKED UP

COH, CHANGED BIT

RIH REAMING TO BOTTOM

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
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REMARKS: (Include zones of lost circulation, kicks encounters during drilling operations, zones of abnormal pressure, other hole difficulties, Sea Ice Conditions and Ice Forecast.)

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871#1

DATE 09/04/86

SHELL WESTERN E&P INC DAILY DRILLING REPORT

PAGE 1 OF 1

Rig Name EXPLORER II
Shell Drilling Foreman BROWNING/GROTE
Present Activity RUNNING IN HOLE

Elevation KB to MSL 38.4
Water Depth 117

Field CORONA Prog. Depth 10000 Day Number 39
Lease OCS-Y 871 Present Depth 8766 Est. Days 34
Well Number 1 Footage Drilled 194 Days +/-
Work Order # 266121 Size & Depth of Last Casing: 9 5/8 " 7943'

4.0 HRS-WASH AND REAM TO TD-HAD TIGHT SPOTS AT 8118' AND 8510' [SAME AS THE LAST TRIP] MUD CUT TO 10.8 PPG ON BOTTOMS UP

11.0 HRS-DRILLED 8572' TO 8758'

SUMMARY 0.5 HRS-MADE 5 STAND SHORT TRIP-NO TIGHT SPOTS

1.5 HRS-DRILL 8758' TO 8766'-ROP WENT FROM 30'/HR TO 6'/HR.

OP 4.5 HRS-PUMP PILL-POOH-LAY DOWN 6 JTS "E" PIPE WITH WASHED TOOL JTS-CHANGE OUT ANADRIL MWD.

2.5 HRS-RIH-CHANGE OUT BAROID MWD-CHECE EVERY JOINT GRADE "E" WHILE RIH

OPERATIONS WEATHER: TEMP 3.5C, CEILING CLEAR, VIS 15 MI, WIND 100 AT 10K, BAR 1020.2
PERSONNEL ON BOARD SHIP 93

MAKE HELICOPTER ICE RECON AT 20:00 HRS-SAW NO LARGE UNMANAGABLE PIECES OF ICE IN AREA.

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: 1
Pump Pressure @ Kill Speed: #1 1200PSI @ 50SPM, #2 1225PSI @ 50SPM Last BOP Test: 09/02/86

Directional Surveys

Coordinates of Last Shot

Table with columns: Depth, Angle, Direction, M D, Angle, Direction. Includes data for depths 8441, 8577 and coordinates 8620, TVD, Sec, N/S, E/W.

PROPRIETARY
CONFIDENTIAL

TIME | Rotating 12.50 Trips | 7.50 Survey | Jet
| Cum. Rot 128.00 D.D. | C & C | Cut DL
(HRS) | BHA Insp 12.50 Reang. | 4.00 Repair | Other 0.00

COST DATA
COS. DISTRICT OFFICE

Daily Mud \$
Cumulative Mud \$ 1985
Daily Well \$
Cumulative Well \$
MINERALS MANAGEMENT SERVICE
Authorized ANCHORAGE, ALASKA
(+/-) Target \$

HYDRAULIC | Liner | Stroke | SPM | GPM | PSI | HHP | AV / CV
DATA | 6.0 | 12 | 100 | 420 | 3980 | | /

DRILLING | Hook Load | Bit Weight | RPM | Torque | Drag Up/Dn
DATA | 285 | 40-50 | 110-130 | 450-650A | /

Table with columns: B, Bit, Size, Type, Serial, Jets, T.B.G., In, Out, Footage, Hours, Ft/H. Includes data for bits 13 and 14.

B | 8.5" BIT, BIT SUB, 6.5"DC, XO, MWD(ANADRILL), FILTER SUB, XO, 6.5"DC, STAB,
H | MWD(BAROID), 6.5" LEAD COLLAR, 2-6.5"DC, STAB, 4-6.5"DC, STAB, 4-6.5"DC,
A | STAB, 4-6.5"DC, STAB, 3-6.5"DC, 1-HWDP, JARS, 1-HWDP, DART SUB, 3-HWDP.

Table with columns: PPG, Grad, Vis, PV/YP, Gels, pH, Cake, WL-API, HTHP/Temp, Mud Additions, 8 REXINEX, 2 SODA ASH, 64 GEL, 3 CAUSTIC, 13 MAXIFAC, 2 DRISPAC.

8-1
871#1

Rig Name EXPLORER II Elevation KB to MSL 36.4  
 Shell Drilling Foreman BROWNING/GROTE Water Depth 117  
 Present Activity WASHING AND REAMING TO BOTTOM

Field CORONA Prog. Depth 10000 *800* Day Number 36  
 Lease OCS-Y 871 Present Depth 8572 Est. Days 34  
 Well Number 1 Footage Drilled 0 Days +/- -16  
 Work Order # 000101 Size & Depth of Last Casing: 8 5/8 " @ 7020

**SUMMARY**

8.0 HRS. WAITING ON ICE.  
 4 1.0 HRS. RAN ANCHORS BY FIRST AT 10:45 AM AND BY LAST AT 11:15 AM. TERMINATED UP  
 2.0 HRS. RAN LMRP. JUMPED DIVER, HOOK UP GUIDE LINES. LATCHED UP LMRP AND TOOK 30,000# OVERPULL AT 12:45 HRS. (9-2-88).  
 0.5 HR. TEST CHOKE AND KILL LINES TO 5000 PSI. SHUT-IN PRESSURES DP=200 PSI AND ANNULUS=800 PSI. BOTH BLED OFF READILY.  
 1.5 HRS. CIRCULATE RISER W/ 11.0 PPG MUD. OPEN RAMS AND CIRCULATE BOTTOMS UP. BOTTOMS UP MUD CUT TO 10.8 PPG. TEST CHOKE MANIFOLD WHILE CCM.  
**OPERATIONS** 1.0 HR. FULL HANG-OFF TOOL, INSIDE BOP, AND SAFETY VALVE AND L/D SAME.  
 3.5 HRS. PULL WEAR BUSHING AND RUN TEST PLUG. TEST BOP. ANNULARS 3500 PSI. PIPE RAMS AND VALVES 5000 PSI. PULL TEST PLUG AND RUN WEAR SLEEVE.  
 2.0 HRS. TEST FLOOR VALVES. ALL OK

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: 1  
 Pump Pressure @ Kill Speed: #1 1200PSI @ 50SPM, #2 1150PSI @ 50SPM Last BOP Test: 09/02/88

Directional Surveys						Coordinates of Last Shot			
Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction	
<b>CONFIDENTIAL</b>						TVD	Sec	N / S   E / W	

TIME | Rotating | Trips | 1.50 Survey | Jet  
 Cum. Rot 115.50 R.D. | G & C | 1.50 Cut Dr.  
 (HRS) | BHA Inep | Reamg. | 0.50 Repair | Other 20.50

**COST DATA RECEIVED**  
 OCS DISTRICT OFFICE  
 Daily Mud \$  
 Cumulative Mud \$  
 Daily Well \$ 1986  
 Cumulative Well \$  
 MINERALS MANAGEMENT SERVICE  
 ANCHORAGE, ALASKA  
 Authorized Target \$

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV
	6.0	12	104	436	4160		/

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn
	285				/

B I T	Bit	Size	Type	Serial	Jets	T.R.G.	In	Out	Footage	Hours	Rt/H
T S	13	6.5	FDT	EV8801	3-10'S		8534		-8534		

B | 6.5" BIT, BIT SUB, 6.5"DC, NO, MWD(ANADRILL), FILTER SUB, NO, 6.5"DC, STAB,  
 H | MWD(BAROID), 6.5" LEAD COLLAR, 2-6.5"DC, STAB, 4-6.5"DC, STAB, 4-6.5"DC,  
 A | STAR, 4-6.5"DC, STAR, 3-6.5"DC, 1-MWD, IADS, 1-MWD, DART SUB, 3-MWD.

M U D	PPG	Grad	Via	PW/YP	Gala	pH	Calc	ML API	STAB/Temp	Mud Additions
M	11.0	.572	45	23 / 11	4 / 11	9.2	1	6.4	17.5/150	HAR 202
U	Pf/Mf	Pm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime
D	0.2/1.6	0.2	10000	580	TR %	14	0	20		

8  
 871 #1

0.5 HRS-LAY DOWN 18 JTS DP.  
0.5 HRS-RIN TO SHOE  
0.5 HRS-BREAK CIRCULATION-WASH AND REAM DOWN

WEATHER: TEMP 1C. CEILING 4000' BROKEN, VISIBILITY 8 MI, WIND 080 AT 8 KTS,  
BAR. 1008.5  
PERSONNEL ON BOARD 93

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CONFIDENTIAL

RECEIVED  
OCS DISTRICT OFFICE

SEP 2 1986

MINERALS MANAGEMENT SERVICE  
ANCHORAGE, ALASKA

RECEIVED  
Anchorage, Alaska

SEP 03 1986

REGIONAL SUPERVISOR  
FIELD OPERATION  
MINERALS MANAGEMENT SERVICE

# FOR GOVERNMENT USE ONLY

DAILY DRILLING REPORT

REPORT DATE: 9-2-86 9:00 AM

LEASE NO.: Y0871

WELL NO.: 1

OPERATOR: SHOUL SWCPI

DRILLING DEPTH: 8572'

FOOTAGE: 38' (on 9-1-86)

MUD WT. (PPG): 11.0

VIS: 43

PH: 9.2

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PRESENT OPERATIONS: \_\_\_\_\_

**RECEIVED**  
Anchorage, Alaska

SEP 02 1986

\*\*\*\*\* REGIONAL SUPERVISOR  
FIELD OPERATION  
MINERALS MANAGEMENT SERVICE

PRINCIPAL WORK ACCOMPLISHED: \_\_\_\_\_

AUG 30<sup>th</sup> 24 HRS WOI

AUG 31<sup>st</sup> GOT ON LOCATIONS, BLEED PRESSURE FROM UNDER RAMS, <sup>THEN FORGOT</sup> OFF LOCATION

SEPT 1<sup>st</sup> GOT BACK ON LOCATION, DRILLED 38' THEN WERE FORCED OFF LOCATION

SEPT 2<sup>nd</sup> 24 HRS WOI

FORECAST NO CHANGE

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REMARKS: (Include zones of lost circulation, kicks encounters during drilling operations, zones of abnormal pressure, other hole difficulties, Sea Ice Conditions and Ice Forecast.)

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AREA FILE 8  
Y0871 #1

Rig Name EXPLORER II  
Shell Drilling Foreman BROWNING/GROTE  
Present Activity ~~WAITING ON ICE~~

Elevation KB to MSL 38.4  
Water Depth 117

Field CORONA Prog. Depth 10000 Day Number 37  
Lease OCS-Y 871 Present Depth 8572 Est. Days 34  
Well Number 1 Footage Drilled 0 Days +/- -15  
Work Order # 286121 Size & Depth of Last Casing: 9 5/8 " @ 7943

SUMMARY OF  
1.0 HRS-WAIT ON ICE  
1.0 HRS-UNLATCH AND PULL LMRP-SHEAR AND RETRIEVE GUIDE LINES  
3.0 HRS-PULL ANCHORS-PULLED #4 ANCHOR FIRST AT 01:57 HRS. PULLED #2 ANCHOR  
LAST AT 05:19 HRS [9-01-86]  
19.0 HRS-WAIT ON ICE-A LONG THIN STREAMER OF HEAVY FIRST YEAR ICE PASSED  
OVER THE LOCATION ALMOST CONTINUOUSLY ALL DAY. THE FLOW WAS  
WESTERLY AT ABOUT 1.1 TO 1.8 KTS.

OPERATIONS WEATHER: TEMP 2C, CEILING 7000', VISIBILITY 1/4 MI [FOG], WIND 090 AT 23 KTS

BAR 1004.2

PERSONNEL ON BOARD 93

CONFIDENTIAL

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: 1  
Pump Pressure @ Kill Speed: #1 1200PSI @ 50SPM, #2 1150PSI @ 50SPM Last BOP Test: 08/31/86

Directional Surveys

Coordinates of Last Shot

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
						TVD	Sec	N / S / E /

TIM	Rotating	Trips	Survey	Jet	COST DATA			
(HE)	Cum. Rot 115.50	D.D.	C & C	Cut DL	RECEIVED			
	BHA Insp	Reang.	Repair	Other 24.00	OCS DISTRICT OFFICE			
HDRUAULIC DATA	Liner 6.0	Stroke 12	SPM	GPM	PSI	HHP	AV / CV	Daily Cumula
RILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn	Author (+/-)	MINERALS MANAGEMENT SERVICE ANCHORAGE, ALASKA	

Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Pt
13	8.5	FDT	EV8801	3-10'S		8534		-8534		

B | 8.5" BIT, BIT SUB, 8.5"DC, XO, MWD(ANADRILL), FILTER SUB, XO, 8.5"DC, STAB,  
H | MWD(BAROID), 8.5" LEAD COLLAR, 2-6.5"DC, STAB, 4-6.5"DC, STAB, 4-6.5"DC,  
A | STAB, 4-6.5"DC, STAB, 3-6.5"DC, 1-HWDP, JARS, 1-HWDP, DART SUB, 3-HWDP.

PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HHP/Temp	Mud Additions		
M	10.9	.566	42	18 / 11	4 / 10	9.3	1	6.4	16.8/		
U	Pf/Mf	Pm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Line	NONE.
D	0.1/1.7	0.4	10000	520	TR %	14	0	20			

Rig Name EXPLORER II
Shell Drilling Foreman BROWNING/GROTE
Present Activity WAITING ON ICE.

Elevation KB to MSL 36.4
Water Depth 117

Field CORONA
Lease OCS-Y 871
Well Number # 1
Work Order # 266121
Prog. Depth 10000
Present Depth 8572
Footage Drilled 38
Size & Depth of Last Casing: 9 5/8" @ 7040'
Day Number 38
Est. Days 34
Days +/- -14

- SUMMARY OF OPERATIONS
3.0 HRS-POOH-CHANGE BHA-RIH TO 7760'
0.5 HRS-PULL WEAR BUSHING-RUN TEST PLUG
1.5 HRS-TEST SUB SEA BOP-TEST UPPER AND LOWER ANNULAR PREVENTERS TO 3500
1.0 HRS-PULL TEST PLUG-RUN WEAR BUSHING
1.0 HRS-LAY DOWN 18 SINGLES-RIH WITH 6 STANDS.
1.0 HRS-CIRCULATE BOTTOMS UP
8.0 HRS-WASH AND REAM TO TD-HAD BRIDGE AND TIGHT SPOT AT 8118' AND TIGHT SPOT AT 8510' [BIT DEPTH]
2.0 HRS-DRILLED FROM 8534' TO 8572'-STOPPED DRILLING AT 1810 HRS. [8-31-86] DUE TO ICE-PREPARE TO DISCONNECT
1.5 HRS-PULL 15 STANDS-PICK UP SAFRTY VALVE, INSIDE PREVENTERS AND HANG OFF TOOL-HANG OFF AND DISPLACE RISER WITH SEA WATER-PULL HANG OFF

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: 1
Pump Pressure @ Kill Speed: #1 1200PSI @ 50 SPM #2 1150PSI @ 50 SPM Last BOP Test: 08/31/86

Directional Surveys

Coordinates of Last Shot

Table with columns: Depth, Angle, Direction, M D, Angle, Directic, TVD, Sec, N / S, E /

CONFIDENTIAL

Table with columns: TIME (HRS), Rotating, Cum. Rot, BHA Insp, 2.00 Trips, 115.50 D.D., 2.00 Reamg., 3.00 Survey, C & C, 8.00 Repair, Jet, 1.00 Cut DL, Other, 10.00

RECEIVED OCS DISTRICT OFFICE

Table with columns: HYDRAULIC DATA, Liner, Stroke, SPM, GPM, PSI, HHP, AV / CV

SEP 2 1986

Table with columns: DRILLING DATA, Hook Load, Bit Weight, RPM, Torque, Drag Up/Dn

MINERALS MANAGEMENT SERVICE ANCHORAGE, ALASKA

Table with columns: B I S, Bit, Size, Type, Serial, Jets, T.B.G., In, Out, Footage, Hours, Ft.

B H A 8 1/2 BIT, BIT SUB, 6 1/2" DC, X-O, MWD (ANADRIL), FILTER SUB, X-O, 6 1/2DC, STAB, MWD (BAROID), 6 1/2" LEAD COLLAR, 2 DC'S, STAB, 4 DC'S, STAB, 4 DC'S. STAB, 4 DC'S, STAB, 3 DC'S. 1-HWDP, JARS, DART SUB, 3-HWDP.

Table with columns: PPG, Grad, Vis, PV/YP, Gels, pH, Cake, WL-API, HTHP/Temp, Mud Additions, U D, PI/MI, Pm, Cl, Ca, Sand, Solids, Oil%, MBT, Sulf., Lime, 5 CAISTOC, 4 DRISPAC

RUNNING TOOL. [HUNG OFF AT 1900 HRS. 6-31-86]

- 1.0 HRS-PULL DIVERTER-UNLATCH AND PULL LMRP
- 1.5 HRS-REPLACE 7 SEAL SUB "O" RINGS ON KIDNEY PLATE YELLOW POD.
- 1.0 HRS-RUN LMRP-LATCH ON-TAKE 30,000# OVER PULL  
[THE HEAVY PART OF THE ICE FLOW PASSED JUST OUTSIDE ANCHOR BOUY'S]
- 1.0 HRS-STAND BY FOR ENCROACHING ICE-MORE ICE WAS DETECTED MOVING TOWARD THE DRILL SHIP-APPX. 3 MI EAST OF THE SHIP, THE FLOW IS 1 MI. WIDE WITH 5/10 TO 9/10 ICE COVERAGE. ON ITS PRESENT PATH THE ICE WILL CROSS OVER THE ANCHOR BOUY'S.

WEATHER: TEMP 0C, CEILING 400', VISIBILITY 1 MI. [FOG], WIND 090 AT 10 KTS,  
 BAR 1009.9  
 PERSONNEL ON BOARD 04

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Rig Name EXPLORER II  
Shell Drilling Foreman BROWNING/GROTE  
Present Activity WAITING ON ICE.

Elevation KB to MSL 98.4  
Water Depth 117

*[Handwritten signature]*

Field CORONA Prog. Depth 10000 Day Number 35  
Lease OCS-Y 871 Present Depth 8534 Est. Days 34  
Well Number # 1 Footage Drilled 0 Days +/- -13  
Work Order # 266121 Size & Depth of Last Casing: 9 5/8" @ 7943'

SUMMARY OF OPERATIONS  
6.5 HRS. WO ICE. A STRIP OF ICE .5 MI. LONG BY 8 MI. LONG OVER LOCATION.  
3.0 HRS. ON LOCATION. RAN ANCHORS 1,2,3,6, & 7. FIRST ANCHOR, #3. RUN AT 08:41 HRS. 8-30-86. FOURTH ANCHOR RUN AT 09:40 HRS.  
3.0 HRS. ICE MOVING ACROSS LOCATION TO FAST TO RUN ANCHORS.  
2.5 HRS. RUN ANCHORS 4,5, & 8. PRETENSION ANCHOR LINES & MOVE OVER WELL.  
2.0 HRS. RAN LMRP. JUMPED DIVERS. HOOK UP GUIDE LINES. TOOK FINAL POSITION. LATCH LMRP & TEST PULL 30,000#. OK.  
1.0 HR. TEST CHOKE AND KILL LINES. CHOKE OK BUT KILL WOULD NOT TEST. THRU CHOKE LINE, HAD 40 PSI UNDER BLINDS & 900 PSI UNDER PIPE RAMS. BOTH BLEW OFF PROMPTLY.  
2.5 HRS. PULL LMRP. REPLACE WASHED OUT BRASS SEAL RING IN KILL LINE GOOSE NECK. RERUN LMRP. LATCH ON TO STACK. TOOK 30,000# OVERPULL. OK.  
0.5 HR. TEST CHOKE AND KILL LINES W/ 5,000 PSI. OK. FILL RISER W/ MUD.

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: 1  
Pump Pressure @ Kill Speed: #1 1200PSI @ 50 SPM #2 1225PSI @ 50 SPM Last BOP Test: 08/18/86

Directional Surveys

Coordinates of Last Shot

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
<b>CONFIDENTIAL</b>						TVD	Sec	N / S / E /

TIME (HRS)	Rotating Cum. Rot	Trips D.D.	Survey C & C	Jet Cut DL	Other	COST DATA RECEIVED			
	BHA Insp	0.00	Reang.	Repair	24.00	Daily	OCS DISTRICT OFFICE		
HYDRAULIC DATA						Daily	SEP 2 1986		
DRILLING DATA						Daily	AuthORALS MANAGEMENT SERVICE ANCHORAGE, ALASKA		

B I T	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft
T S	13	8.5	FDT	EV8801	3-10'S	INC	8534		-8534		

B 8 1/2 BIT. BIT SUB, 1-6 1/2" DC, X-0, MWD (ANADRIL), FILTER SUB,  
H X-0, 1-6 1/2" DC, STAB, MWD (BAROID), 6 1/2" LEAD COLLAR, 17-6 1/2" DC'S,  
A 1-HWDP, JARS, 1-HWDP, DART SUB, 3-HWDP.

M U D	PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HTHP/Temp	Mud Additions	
M	11.0	.572	50	23 / 14	4 / 12	9.0	1	6.0	16.4 /		
U	Pf/Mf	Pm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime	NONE
D	.05/1.5	0.3	9000	600	TR %	14	0	20.0			

2.0 HRS. CLOSE LOWER HYDRIL & OPEN BLIND RAMS. RIB W/ DP AND SCREW INTO HANG-OFF STRING. CLOSE LOWER HYDRIL. CIRCULATE 100 BBL MUD DOWN DP AND OUT KILL LINE. P/U DP AND OPEN PIPE RAMS AND HYDRIL. CIRC 70 BBLs THE LONG WAY. CHECK FOR FLOW. OK. ANADRIL AND MWD OK.

1.0 HRS- POOH TO BAROIS MWD AND SET. GIH P/U STABILIZERS. SET HANG-OFF TOOL BACK AT 2300 HRS. 8-30-86

WEATHER: TEMP 2.2C, WIND 010 AT 10 KTS, CEILING 0. VISIBILITY 1/4 MI [FOG]  
 BAR 1010.8  
 PERSONNEL ON BOARD 93

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CONFIDENTIAL

Rig Name EXPLORER II  
 Shell Drilling Foreman BROWNING/GROTE  
 Present Activity WAITING ON ICE.

Elevation KB to MSL 38.4  
 Water Depth 117

Field CORONA Prog. Depth 10000 Day Number 34  
 Lease OCS-Y 871 Present Depth 8534 Est. Days 34  
 Well Number # 1 Footage Drilled 0 Days +/- -12  
 Work Order # 266121 Size & Depth of Last Casing: 9 5/8" " @ 7943'

**SUMMARY OF OPERATIONS**  
 24.0 HRS-WAITING ON ICE-THE ICE DID NOT CLEAR BY 8 AM AS EXPECTED. THE WIND INCREASED STEADILY ALL DAY FROM 20+ TO 30 KNOTS AND THE DIRECTION HAS SWUNG FROM 65 AROUND TO 100 DEGREES AND IS STILL TURNING TOWARD THE SOUTH. THIS COMBINATION CAUSED A LARGE SECTION OF HEAVY FLOES TO PEEL OFF OF THE PACK ICE AND COME TOWARD THE RIG. IT WAS SEEN ON THE ICE RECON AT 10:30 AM. IT PASSED THE RIG BY AFTERNOON. BUT BY THEN THE WIND HAD INCREASED, ICE DRIFT RATE WAS UP TO 2.3+ KNOTS AND EVEN THE SMALLER ICE WAS A HAZARD. BY REPORT TIME WE STILL HAVE LOTS OF ICE IN A THIN LINE PASSING OVER THE LOCATION FROM ALONG THE COAST. WE ARE NOW WAITING FOR THE DRIFT RATE TO DECREASE SO IT WILL BECOME SAFE TO ANCHOR UP.

WX: WIND 30 KTS. @ 100 DEG. BROKEN CLOUDS. NO PREC., TEMP 2C, ICE COVER 0.1, VIS. 20 MI., BAR. 1009.4. PERSONNEL ON BOARD 91.

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: 1  
 Pump Pressure @ Kill Speed: #1 1200PSI @ 50 SPM #2 1225PSI @ 50 SPM Last BOP Test: 08/18/86

**Directional Surveys**

**Coordinates of Last Shot**

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
						TVD	Sec	N / S E /

TIME | Rotating | Trips | Survey | Jet  
 | Cum. Rot 113.50 D.D. | C & C | Cut DL  
 (HRS) | BHA Insp 0.00 Reamg. | Repair | Other 24.00

RECEIVED  
 OCS DISTRICT OFFICE  
 SEP 2 1986  
 MINERALS MANAGEMENT SERVICE

HYDRAULIC | Liner | Stroke | SPM | GPM | PSI | RHP | AV / CV  
 DATA | 6.0 | 12 | | | | | /

DRILLING | Hook Load | Bit Weight | RPM | Torque | Drag Up/Dn  
 DATA | | | | | | /

B	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/
I											
T	13	8.5	FDT	EV8801	3-10'S	INC	8534		-8534		
S											

B 8 1/2 BIT, BIT SUB, 1-6 1/2" DC. X-O. MWD (ANADRIL). FILTER SUB.  
 H X-O. 1-6 1/2" DC. STAR. MWD (BAROID). 6 1/2" LEAD COLLAR, 17-6 1/2" DC'S.  
 A 1-HWDP. JARS. 1-HWDP. DART SUB, 3-HWDP.

	PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HTHP/Temp	Mud Additions
M	11.0	.572	50	24 / 14	4 / 12	9.0	1	6	16.4/	
U	Pf/Mf	Pm	C1	Ca	Sand	Solids	Oil%	MBT	Sulf.	Line
D	.05/1.8	0.3	0000	620	TR %	14	0	20		NONE.

Rig Name EXPLORER II  
Shell Drilling Foreman BROWNING/GROTE  
Present Activity WAITING ON ICE.

*Handwritten initials*

Elevation KB to MSL 38.4  
Water Depth 117

Field CORONA	Prog. Depth 10000	Day Number 33
Lease OCS-Y 871	Present Depth 8534	Est. Days 34
Well Number # 1	Footage Drilled 0	Days +/- -11
Work Order # 266121	Size & Depth of Last Casing:	9 5/8" " @ 7943'

24.0 HRS-WAITING ON ICE-MADE HELICOPTER RECON FLIGHT AT 1400 HRS-HAD ICE  
COVERAGE RANGING FROM 3/10 TO 10/10 FOR 14 MILES EAST OF LOCATION.  
FROM 14 TO 20 MILES HAD RELATIVELY OPEN WATER-OPEN WATER ESTIMATED  
AT DRILL SITE BY 0800 HRS. 8-29-86.

SUMMARY  
OF

**CONFIDENTIAL**

OPERATIONS

WEATHER: TEMP -1C, WIND 070 AT 22KTS, CEILING 500' BROKEN, VIS 7 MI. (LIGHT  
SNOW SHOWERS), BAR 1015.3  
PERSONNEL ON BOARD 90

Pump Pressure @ Kill Speed: #1 1200PSI @ 50 SPM #2 1225PSI @ 50 SPM Last BOP Test: 08/18/86

Directional Surveys

Coordinates of Last Shot

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
						TVD	Sec	N / S   E / W

TIME (HRS)	Rotating Cum. Rot	Trips D.D.	Survey C & C	Jet Cut DL	COST DATA			
	BHA Insp	0.00 Reamg.	Repair	Other 24.00	Daily Mud	\$	400	
					Cumulative Mud	\$	348795	

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV	Daily Well	Cumulative Well
	6.0	12					/	\$ 52487	\$ 51014302

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn	Authorized (+/-) Target	\$ 7200000
					/	\$	

B I T	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
	13	8.5	FDT	EV8801	3-10'S	INC	8534		-8534		

B 8 1/2 BIT, BIT SUB, 1-6 1/2" DC, X-O, MWD (ANADRIL), FILTER SUB,  
H X-O, 1-6 1/2" DC, STAB, MWD (BAROID), 6 1/2" LEAD COLLAR, 17-6 1/2" DC'S,  
A 1-HWDP, JARS, 1-HWDP, DART SUB, 3-HWDP.

PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HTHP/Temp	Mud Additions
11.0	.572	50	25 / 14	4 / 12	9.0	1	6.0	16.2/150	
	Pf/Mf	Pm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.   Lime
D	.05/1.6	.3	9000	600	TRC%	14	0	20.0	

# FOR GOVERNMENT USE ONLY

DAILY DRILLING REPORT

*802*

REPORT DATE: 8 / 28 / 86

LEASE NO.: Y0 871

WELL NO.: 1

OPERATOR: SHIELL SWEEP

DRILLING DEPTH: 8534' (CIS 3400')  
(977943')

FOOTAGE: \_\_\_\_\_

MUD WT. (PPG): \_\_\_\_\_

VIS: \_\_\_\_\_

PH: \_\_\_\_\_

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PRESENT OPERATIONS: \_\_\_\_\_

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PRINCIPAL WORK ACCOMPLISHED: W O I

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REMARKS: (Include zones of lost circulation, kicks encounters during drilling operations, zones of abnormal pressure, other hole difficulties, Sea Ice Conditions and Ice Forecast.)

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*Y0871 #1  
#8 AREA*

*16*

*111*

Rig Name EXPLORER II  
 Shell Drilling Foreman BROWNING/WELLS  
 Present Activity WAITING ON ICE.

**CONFIDENTIAL**

Elevation KB to MSL 38.4  
 Water Depth 117

Field CORONA Prog. Depth 10000 Day Number 92  
 Lease OCS-Y 871 Present Depth 8534 Est. Days 34  
 Well Number # 1 Footage Drilled 0 Days +/- -10  
 Work Order # 266121 Size & Depth of Last Casing: 9 5/8" @ 7943'

24.0 HRS. WAITING ON ICE. MADE HELICOPTER RECON ABOUT 19:00 HRS. AFTER FOG LIFTED SOMEWHAT. STILL QUITE A FEW VERY LARGE MULTI-YEAR ICE FLOES DRIFTING IN TOWARD THE LOCATION FROM 2 TO 19 MILES EASTWARD.

SUMMARY

OF

OPERATIONS

ICE: 4/10'S (AT LOC) MOVING 267 DEGS AT 0.7 KTS AT RPT TIME.  
 WX: CEILING 300', VIS 2 MI/FOG, WIND 080 DEG AT 20 KTS., TEMP. 1C, BAR 1240  
 POB: 88

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: 1  
 Pump Pressure @ Kill Speed: #1 1200PSI @ 50 SPM #2 1225PSI @ 50 SPM Last BOP Test: 08/18/86

Directional Surveys

Coordinates of Last Shot

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
						TVD	Sec	N / S E / W

TIME (HRS)	Rotating Cum. Rot	Trips D.D.	Survey C & C	Jet Cut DL
	BHA Insp	0.00 Reang.	Repair	Other 24.00

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV
	6.0	12					/

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn	Auth
					/	(+/-, -----)

B I T	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/H:
T S	13	8.5	FDT	EV8801	3-10'S	INC	8534		-8534		

B 8 1/2 BIT, BIT SUB, 1-6 1/2" DC, X-O, MWD (ANADRIL), FILTER SUB,  
 H X-O, 1-6 1/2" DC, STAB, MWD (BAROID), 6 1/2" LEAD COLLAR, 17-6 1/2" DC'S,  
 A 1 HWDP, JARC, 1 HWDP, DART SUB, 3 HWDP.

M I D	PPG	Grad	Via	PV/YP	Gels	pH	Cake	WL-API	HTHP/Temp	Mud Additions
M	10.9	.586	47	23 / 14	4 / 12	9.0	1	8.0	16.3/150	NONE.
D	.1 / 1.5	.8	10300	640	TR %	14	0	20.0		

# FOR GOVERNMENT USE ONLY

DAILY DRILLING REPORT

REPORT DATE: 8-27-86  
LEASE NO.: Y0871 WELL NO.: 1  
OPERATOR: SHELL (SWGPS)  
DRILLING DEPTH: \_\_\_\_\_ FOOTAGE: \_\_\_\_\_  
MUD WT. (PPG): \_\_\_\_\_ VIS: \_\_\_\_\_ PH: \_\_\_\_\_

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PRESENT OPERATIONS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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PRINCIPAL WORK ACCOMPLISHED: 24 Hours WOI  
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REMARKS: (Include zones of lost circulation, kicks encounters during drilling operations, zones of abnormal pressure, other hole difficulties, Sea Ice Conditions and Ice Forecast.)  
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16  
1.11



# FOR GOVERNMENT USE ONLY

DAILY DRILLING REPORT

*Rees*

REPORT DATE: 8 26 86

LEASE NO.: 871

WELL NO.: 1

OPERATOR: \_\_\_\_\_

DRILLING DEPTH: \_\_\_\_\_

FOOTAGE: \_\_\_\_\_

MUD WT. (PPG): \_\_\_\_\_

VIS: \_\_\_\_\_

PH: \_\_\_\_\_

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PRESENT OPERATIONS: W O I

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PRINCIPAL WORK ACCOMPLISHED: \_\_\_\_\_

- DEPLOYED 8 ANCHORS
- RETRIEVED 4 ANCHORS BY MIDNIGHT 8-25-8
- " REMAINING 4 ANCHORS BY MORNING OF 8-26-8
- OFF LOCATION DUE TO ICE

\*\*\*\*\*

REMARKS: (Include zones of lost circulation, kicks encounters during drilling operations, zones of abnormal pressure, other hole difficulties, Sea Ice Conditions and Ice Forecast.)

AREA FILE 8-1  
Y0871 #1

Rig Name EXPLORER II  
 Shell Drilling Foreman BROWNING/WELLS  
 Present Activity WAITING ON ICE.

**CONFIDENTIAL**

Elevation KB to MSL 38.4  
 Water Depth 117

Field CORONA Prog. Depth 10000 *2005* Day Number 30  
 Lease OCS-Y 871 Present Depth 8534 Est. Days 34  
 Well Number # 1 Footage Drilled 0 Days +/- -8  
 Work Order # 268121 Size & Depth of Last Casing: 9 5/8" @ 7943'

**SUMMARY**  
 OF  
 17.5 HRS-WAITING ON ICE. GEN MAINT.  
 2.5 HRS-RAN ALL 8 ANCHORS. 1ST DN AT 1725 HRS LAST DN AT 2000 HRS  
 4.0 HRS-RECON FLT; FOUND 7 MI WIDE 9/10TH ICE 2.8 MI 070 DEGS F/LOC. EXTENDS  
 6 MI S. OF LOC. MOVING 306 DEG AT .5 KTS. AT 2330 HRS BEGIN PULLING THE 4  
 WING ANCHORS AS ICE CONDITIONS DID NOT WARRANT FUTHER WELL WORK. INTEND TO  
 MONITOR DRIFT/DIR OF ICE W/4 ANCHORS OUT UNTIL COND IMPROVES OR WORSENS.  
 WAITING ON ICE W/LMRP ON SPIDER BEAM AT RPT TIME.

**OPERATIONS**

ICE: 3/10'S (AT LOC) MOVING 295 DEGS AT .5 KTS AT RPT TIME.  
 WX: CELING 500' VIS 15 MI, WIND 080 DEG AT 8 KTS. TEMP -1C.  
 POB: 95

**PROPRIETARY**

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: 1  
 Pump Pressure @ Kill Speed: #1 1200PSI @ 50 SPM #2 1225PSI @ 50 SPM Last BOP Test: 08/18/86

**Directional Surveys**

**Coordinates of Last Shot**

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
						TVD	Sec	N / S   E / W

TIME (HRS)	Rotating Cum. Rot	Trips D.D.	Survey C & C	Jet Cut DL
	BHA Insp	0.00 Reang.	Repair	Other 24.00

RECEIVED  
 OCS DISTRICT OFFICE

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV
	6.0	12					/

AUG 25 1986

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn
					/

MINERALS MANAGEMENT SERVICE  
 ANCHORAGE, ALASKA

B I T	Bit Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/H
T S	13 8.5	FDT	EV8801	3-10'S	INC	8534		-8534		

B 8 1/2 BIT, BIT SUB, 1-6 1/2" DC, X-0, MWD (ANADRIL), FILTER SUB,  
 H X-0, 1-6 1/2" DC, STAB, MWD (BAROID), 6 1/2" LEAD COLLAR, 17-6 1/2" DC'S,  
 A 1-HWDP, JARS, 1-HWDP, DART SUB, 3-HWDP.

M U D	PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HHP/Temp	Mud Additions
	10.9	.566	47	24 / 14	4 / 12	9.0	1	6.2	16.0/150	
	Pf/Mf	Pm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime
	.1 / 1.4	.8	10400	680	TR %	14	0	20.0		

113 TOTAL HRS WITHOUT CIRC MUD AT RPT TIME.

# FOR GOVERNMENT USE ONLY

DAILY DRILLING REPORT

REPORT DATE: 8-25-86 9:05 AM.

LEASE NO.: Y0871 #1 WELL NO.: 1

OPERATOR: \_\_\_\_\_

DRILLING DEPTH: \_\_\_\_\_ FOOTAGE: \_\_\_\_\_

MUD WT. (PPG): \_\_\_\_\_ VIS: \_\_\_\_\_ PH: \_\_\_\_\_

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PRESENT OPERATIONS: WOI (WAITING ON ICE)

\_\_\_\_\_

\_\_\_\_\_

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PRINCIPAL WORK ACCOMPLISHED: \_\_\_\_\_

OFF LOCATION FOR THE LAST 72 HRS

probably WILL STILL BE OFF LOCATION FOR THE NEXT  
24 HOURS.

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REMARKS: (Include zones of lost circulation, kicks encounters during drilling operations, zones of abnormal pressure, other hole difficulties, Sea Ice Conditions and Ice Forecast.)

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ATTACHED 8  
Y0871 #1

Rig Name EXPLORER II  
Shell Drilling Foreman FOX/WELLS  
Present Activity WAITING ON ICE.

**CONFIDENTIAL**

Elevation KB to MSL 38.4  
Water Depth 117

Field CORONA Prog. Depth 10000 Day Number 29  
Lease OCS-Y 871 Present Depth 8534 Est. Days 34  
Well Number # 1 Footage Drilled 0 Days +/- -7  
Work Order # 266121 Size & Depth of Last Casing: 9 5/8" @ 7943'

24.0 HRS-WAITING ON ICE. GEN MAINT.

TEST CHOKE MANIFOLD/STANDPIPE VALVES/KELLY VALVES PER MMS AND SAFE PRACTICES

SUMMARY

OF

**PROPRIETARY**

OPERATIONS

ICE: 7/10'S COVERAGE MOVING 100 DEGS AT .3 KTS(1.0 NM SE OF LOC)  
WX: CELING 800' VIS 7 MI, WIND 286 DEG AT 13 KTS. TEMP -1C.  
POB: 95

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: 1  
Pump Pressure @ Kill Speed: #1 1200PSI @ 50 SPM #2 1225PSI @ 50 SPM Last BOP Test: 08/18/86

Directional Surveys

Coordinates of Last Shot

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
						TVD	Sec	N / S / E / W

TIME (HRS)	Rotating	Trips	Survey	Jet
	Cum. Rot 113.50	D.D.	C & C	Cut DL
	BHA Insp 0.00	Reang.	Repair	Other 24.00

RECEIVED  
OCS DISTRICT OFFICE

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV
	6.0	12					/

AUG 25 1986

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn
					/

MINERALS MANAGEMENT SERVICE  
ANCHORAGE, ALASKA

B I T S	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/H:
	13	8.5	FDT	EV8801	3-10'S	INC	8534		-8534		

B 8 1/2 BIT, BIT SUB, 1-6 1/2" DC, X-0, MWD (ANADRIL), FILTER SUB,  
H X-0, 1-6 1/2"DC, STAB, MWD (BAROID), 6 1/2" LEAD COLLAR, 17-6 1/2" DC'S,  
A 1-HWDP, JARS, 1-HWDP, DART SUB, 3-HWDP.

	PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HTHP/Temp	Mud Additions
M	10.9	.566	47	24 / 14	4 / 12	9.0	1	6.0	16.1/150	
U	Pf/Mf	Pm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime
D	.1 / 1.5	.9	10300	700	TR %	14	0	20.0		

MUD NOT CIRC LAST 24 HRS.

Rig Name EXPLORER II  
Shell Drilling Foreman FOX/WELLS  
Present Activity WAITING ON ICE.

**CONFIDENTIAL**

Elevation KB to MSL 38.4  
Water Depth 117

Field CORONA Prog. Depth 10000 Day Number 28  
Lease OCS-Y 871 Present Depth 8534 Est. Days 34  
Well Number # 1 Footage Drilled 0 Days +/- -6  
Work Order # 286121 Size & Depth of Last Casing: 9 5/8" @ 7943'

24.0 HRS-WAITING ON ICE. GEN MAINT.

SUMMARY

**PROPRIETARY**

OF

OPERATIONS

ICE: 8/10'S COVERAGE MOVING 075 DEGS AT .4 KTS(0.6 NM SE OF LOC)  
WX: CELING 800' VIS 15 MI, WIND CALM, TEMP 0 DEG C.  
POB: 98

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: 1  
Pump Pressure @ Kill Speed: #1 1200PSI @ 50 SPM #2 1225PSI @ 50 SPM Last BOP Test: 08/18/86

Directional Surveys						Coordinates of Last Shot					
Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction			
								TVD	Sec	N / S	E / W

TIME (HRS)	Rotating Cum. Rot	Trips D.D.	Survey C & C	Jet Cut DL
	BHA Insp	0.00 Reang.	Repair	Other 24.00

RECEIVED  
Dail OCS DISTRICT OFFICE  
Cum  
Dail AUG 25 1986  
Cum

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV
	8.0	12					/

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn
					/

MINERALS MANAGEMENT SERVICE  
(+/-) ANCHORAGE, ALASKA

B I T	Bit Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Pt/1
T S	13 8.5	FDT	EV8801	3-10'S	INC	8534		-8534		

B 8 1/2 BIT, BIT SUB, 1-6 1/2" DC, X-0, MWD (ANADRIL), FILTER SUB,  
H X-G, 1-6 1/2" DC, STAB, MWD (BAROID), 6 1/2" LEAD COLLAR, 17-6 1/2" DC'S,  
A 1-HWDP, JARS, 1-HWDP, DART SUB, 3-HWDP.

	PPG	Grad	Vis	PV/VP	Gels	pH	Cake	WL-API	HTHP/Temp	Mud Additions
M	10.9	.566	47	24 / 13	4 / 12	9.0	1	5.8	15.8/150	
U	Pf/Mf	Pm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime
D	.1 / 1.4	.9	10400	680	TR %	14	0	20.0		

MUD NOT CIRC LAST 24 HRS.

DATE 08/23/86

SHELL WESTERN E&P INC DAILY DRILLING REPORT

PAGE 1 OF 1

Rig Name EXPLORER II  
Shell Drilling Foreman FOX/WELLS  
Present Activity WAITING ON ICE.

**CONFIDENTIAL**

Elevation KB to MSL 38.4  
Water Depth 117

Field CORONA Prog. Depth 10000 Day Number 27  
Lease OCS-Y 871 Present Depth 8534 Est. Days 34  
Well Number # 1 Footage Drilled 0 Days +/- -5  
Work Order # 266121 Size & Depth of Last Casing: 9 5/8" @ 7943'

24.0 HRS-WAITING ON ICE. GEN MAINT.

SUMMARY

OF

OPERATIONS

ICE: 8/10'S TO 9/10'S COVERAGE MOVING 090 DEGS AT .5 KTS(1.55 NM SSW OF LOC)  
WX: CELING 500' VIS 3-5 MI IN LIGHT SNOW, WIND 290 DEG AT 15KTS W/GUST T/20  
TEMP -1C.  
POB: (PEOPLE ON BOARD) 100.

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: 1  
Pump Pressure @ Kill Speed: #1 1200PSI @ 50 SPM #2 1225PSI @ 50 SPM Last BOP Test: 08/18/86

Directional Surveys

Coordinates of Last Shot

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
						TVD	Sec	N / S / E / W

TIME (HRS)	Rotating Cum. Rot	Trips D.D.	Survey C & C	Jet Cut DL
	113.50	0.00	Reang.	24.00

RECEIVED  
OCS DISTRICT OFFICE

AUG 25 1986

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV
	6.0	12					/

MINERALS MANAGEMENT SERVICE  
Authori ANCHORAGE, ALASKA  
(+/-) T

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn
					/

B I T	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/H
	13	8.5	FDT	EV8801	3-10'S	INC	8534		-8534		

B 8 1/2 BIT, BIT SUB, 1-6 1/2" DC, X-O, MWD (ANADRIL), FILTER SUB.  
H X-O, 1-6 1/2"DC, STAB, MWD (BAROID), 6 1/2" LEAD COLLAR, 17-6 1/2" DC'S.  
A 1-HWDP, JARS, 1-HWDP, DART SUB, 3-HWDP.

	PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HTHP/Temp	Mud Additions
M	10.9	.566	49	23 / 15	4 / 12	9.0	1	5.8	16.0/150	
U	Pf/Mf	Pm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime
D	.1 / 1.3	.9	10500	680	TR %	14	0	20.0		

SAMPLE FROM PIT.

*Dee*

DATE 08/22/86

WESTERN E&P INC DAILY DRILL REPORT

Rig Name EXPLORER II

Shell Drilling Foreman FOX/WELLS

Present Activity WAITING ON ICE.

**CONFIDENTIAL**

Elevation KB to MSL 38.4

Water Depth 117

Field CORONA

Lease OCS-Y 871

Well Number # 1

Work Order # 268121

Prog. Depth 10000

Present Depth 8534

Footage Drilled 99

Size & Depth of Last Casing:

Day Number 26

Est. Days 34

Days +/- -4

9 5/8" " @ 7943'

SUMMARY

OF

OPERATIONS

4.0 HRS-DRLG F/8435' T/8534' W/BIT #12.

7.0 HRS-LOST PUMP PSI, SURF EQUIP OK. CHECK F/FLOW, NONE. POH F/WASH-OUT FOUND AT BOX OF 9TH JT OF HWDP. FINISH POH, CNG BIT.

7.0 HRS-LARIMER INSPECTION SERVICE INSP BHA AS RAN IN HOLE; CNG OUT 4- 6.5" DC'S, CNG OUT 2 JTS OF HWDP PLUS LEFT OUT 6 MORE BAD HWDP. REFACED THE REMAINING 5 HWDP IN STRING. TIH T/1477'. ICE ALERT CALLED AT 1800 HRS BY CAPTAIN RON COLBY. (ON ICE TIME AT 1800 HRS)

6.0 HRS-HANG OFF BHA, 4 STDS AND DBL OF DP. (1477') SET ON SPIDER BEAM AT 1945 HRS; 1ST ANCHOR UP AT 1900 HRS, 8TH (LAST) ANCHOR UP AT 2149.

ICE: AT 1440 HRS THE ROBERT LEMURE REPORTED 4/10TH ICE 7 NM NNW MOVING 147 DEG AT 1.2 KTS. AT 1750 HRS REPORTED LARGE, UNMANAGEABLE FLOES 2 NM NNW MOVING 160 DEG AT .92 KTS. 7/10 ICE. NOTE: WIND HAS BEEN FROM NNW AT UP T/50KTS LAST 24 HRS. NOW, 30KTS AT 290 DEG. TEMP 4C CLG 1K, VIS 8MI.

Number of Accidents Last 24 Hrs: 0

Number of Accidents Year to Date: 1

Pump Pressure @ Kill Speed: #1 1200PSI @ 50 SPM #2 1225PSI @ 50 SPM

Last BOP Test: 08/18/86

Directional Surveys

Coordinates of Last Shot

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
8469	2.16							
<b>PROPRIETARY</b>						TVD	Sec	N / S   E / W

TIME (HRS)	Rotating	4.00 Trips	14.00 Survey	Jet
	Cum. Rot	113.50 D.D.	C & C	Cut DL
	BHA Insp	0.00 Reamg.	Repair	Other 6.00

RECEIVED  
OCS DISTRICT OFFICE

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV
	6.0	12	104	435	4186		/

MINERALS MANAGEMENT SERVICE  
ANCHORAGE, ALASKA

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn
	280K	50-55	110-130	400-550 A	/

Authc (+/-)

B I T	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/H.
T	12	8.5	FDT	EV8809	3-10'S	2-4-I	8204	8534	330	13.50	24.
S	13	8.5	FDT	EV8801	3-10'S	INC	8534	-8534			

B | 8 1/2 BIT, BIT SUB, 1-6 1/2" DC, X-O, MWD (ANADRIL), FILTER SUB,  
H | X-O, 1-6 1/2" DC, STAB, MWD (BAROID), 6 1/2" LEAD COLLAR, 17-6 1/2" DC'S,  
A | 1-HWDP, JARS, 1-HWDP, DART SUB, 3-HWDP.

M U D	PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HTHP/Temp	Mud Additions
	10.9	.566	47	22 /14	5 /12	9.0	1	6.0	15.8/150	10 VC-10
U	Pf/Mf	Pm	C1	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime
D	.1 /1.3	1.0	10600	640	TR %	14	0	20.0		10 RESINEX

APPROX

# FOR GOVERNMENT USE ONLY

DAILY DRILLING REPORT

*8/20*

REPORT DATE: 8/20/86 (UPDATE) 10:30 A.M.

LEASE NO.: 871

WELL NO.: 1

OPERATOR: SWEPI

DRILLING DEPTH: 8250

FOOTAGE: ~~250~~

MUD WT. (PPG): \_\_\_\_\_

VIS: \_\_\_\_\_

PH: \_\_\_\_\_

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PRESENT OPERATIONS: DRILLED TO 8250

LOST 400 PSI GRADUALLY DUE TO WASH OUT  
TRIPPING OUT OF HOLE FOR NEW BIT.

\*\*\*\*\*

PRINCIPAL WORK ACCOMPLISHED: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

RECEIVED  
Anchorage, Alaska

\_\_\_\_\_

AUG 20 1986

\_\_\_\_\_  
\_\_\_\_\_

REGIONAL SUPERVISOR  
FIELD OPERATION  
MINERALS MANAGEMENT SERVICE

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\_\_\_\_\_  
\_\_\_\_\_

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REMARKS: (Include zones of lost circulation, kicks encounters during drilling operations, zones of abnormal pressure, other hole difficulties, Sea Ice Conditions and Ice Forecast.)

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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

ACCUMULATED 871 #1  
→ 8-1

Rig Name EXPLORER II

Shell Drilling Foreman FOX/GROTE

Present Activity DRILLING AHEAD

PROPRIETARY

Elevation KB to MSL 38.4  
RECEIVED  
Present Depth 117  
OCS DISTRICT OFFICE

Field CORONA	Prog. Depth 10000	AUG 21 1986	Day Number 25
Lease OCS-Y 871	Present Depth 8435		Est. Days 34
Well Number # 1	Footage Drilled 395		Days / - 4
Work Order # 266121	Size & Depth of Last Change	GENERAL'S MANAGEMENT SERVICE	9 5/8" " 7943'

ANCHORAGE, ALASKA

SUMMARY

3.0 HRS-DRILL 8100' TO 8175'  
 0.5 HRS-MAKE 3 STAND SHORT TRIP-NO TIGHT SPOTS-HELD BOP DRILL  
 1.0 HRS-DRILL 8175' TO 8204'-LOST 500 PSI PUMP PRESSURE-CHECK ALL SURF EQUIP  
 4.0 HRS-POOH-LOOKING FOR WASHOUT-CHAIN OUT-FOUND WASHOUT BETWEEN 4TH AND 5TH JOINT OF HWDP.  
 OF 2.5 HRS-INSPECT BHA-LAY DOWN 2 WASHED OUT HWDP-LAY DOWN 2 GALLED DC'S  
 3.0 HRS-RIH  
 7.0 HRS-DRILL 8204' TO 8393'-HAD GAS CUT MUD WT OF 10.7 PPG.  
 OPERATIONS 0.5 HRS-MAKE 5 STD SHOR TRIP-NO TIGHT SPOTS-GAS CUT MUD ON BU OF 10.8 PPG  
 2.5 HRS-DRILL 8393' TO 8435'

WEATHER: TEMP 5, WIND 200 AT 8 KTS. CEILING 1000' BROKEN. VISIBILITY 15 MI,  
 BAR 1010.0 ICE 2/10 WITH SLIGHT EASTERLY DRIFT-PERSONNEL 97  
 NOTE: TODAYS COST INCLUDE \$361,466 LOGGING AND \$59,774 CEMENTING COSTS.

Number of Accidents Last 24 Hrs: 0      Number of Accidents Year to Date: 1  
 Pump Pressure @ Kill Speed: #1 1200PSI @ 50 SPM #2 1225PSI @ 50 SPM      Last BOP Test: 08/18/86

Directional Surveys

Coordinates of Last Shot

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
8067	1.7	16.8				8257	1.7	15.1
<b>CONFIDENTIAL</b>						TVD	Sec	N / S   E / W

TIME	Rotating 19.50 Trips	7.00 Survey	Jet
	Cum. Rot 109.50 D.D.	C & C	Cut DL
(HRS)	BHA Insp 9.50 Reang.	Repair	Other 3.50

COST DATA

Daily Mud	\$ 7485
Cumulative Mud	\$ 34473
Daily Well	\$ 50929
Cumulative Well	\$ 5042773

HYDRAULIC DATA	Liner 6.0	Stroke 12	SPM 104	GPM 435	PSI 4186	HHP	AV / CV /
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DRILLING DATA	Hook Load 280K	Bit Weight 50-55	RPM 110-130	Torque 400-550 A	Drag Up/Dn /
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Authorized	\$ 7200000
(+/-) Target	\$

B	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/H
T	11	8.5	SDS	EX0330	3-10'S	3 3 I	8025	8204	179	7.50	23
S	12	8.5	FDT	EV8809	3-10'S	INC	8204	8435	231	9.50	24

B 8 1/2 BIT, BIT SUB, 1-6 1/2" DC, X-O, MWD (ANADRIL), FILTER SUB,  
 H X-O, 1-6 1/2" DC, STAB, MWD (BAROID), 6 1/2" LEAD COLLAR, 17-6 1/2" DC'S,  
 A 1-HWDP, JARS, 1-HWDP, DART SUB, 9-HWDP.

	PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HHP/Temp	Mud Additions	
M	10.9	.566	45	23 / 21	5 / 18	9.0	1	6.2	18.1/150	106 BARITE	
U	Pf/Mf	Pm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime	5 XCD
D	.1 / 1.4	1.2	10200	840	TRC%	14	0	20.0			10 MAX PAC
											13 VC-10
											20 RESINEX

OCS-Y 871 #  
 DISTRICT  
 File -9

# PRIVATE & CONFIDENTIAL

Rig Name EXPLORER II  
 Shell Drilling Foreman FOX/GRUE  
 Present Activity DRILLING AHEAD

Elevation KB to MSL 98.4  
 Water Depth 117

*PK*

Field CORONA	Prog. Depth 10000	Day Number 24
Lease OCS-Y 871	Present Depth 8100	Est. Days 34
Well Number # 1	Footage Drilled 100	Days +/- -3
Work Order # 266121	Size & Depth of Last Casing:	9 5/8" @ 7043'

**SUMMARY**

1.0 HRS-WASH AND REAM TO TD-DRILL TO 8017'  
 1.0 HRS-DID LEAKOFF TEST-HAD EQUIVALENT MUD WEITHT OF 16.7 PPG  
 2.0 HRS-DRILL 8017' TO 8025'-HIGH TORQUE, LOW PENETRATION RATE & ROUGH DRLG  
 3.5 HRS-POOH-BIT WAS LOCKED WITH 2 "WEDGE-BULLETS" JAMMED IN BIT  
**OF** 1.0 HRS- PICK UP TRI-STATE REVERSE CIRCULATING JUNK BASKET  
 3.0 HRS-RIH  
 1.0 HRS-MAKE APPX. 20" WITH BASKET- TO 8026'  
 3.0 HRS-POOH  
**OPERATIONS** 0.5 HRS-LAY DOWN REVERSE CIRCULATING BASKET-RECOVERED 7 "WEDGE-BULLETS"  
 AND 18" CORE  
 1.5 HRS-CHANGE OUT ANADRIL MWD  
 2.5 HRS-RIH

## PROPRIETARY

Number of Accidents Last 24 Hrs: 0      Number of Accidents Year to Date: 1  
 Pump Pressure @ Kill Speed: #1 1350PSI @ 40 SPM #2 1225PSI @ 40 SPM      Last BOP Test: 08/18/86

### Directional Surveys

### Coordinates of Last Shot

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
						8003	1.8	21.3
						TVD	Sec	N / S   E / W

TIME (HRS)	Rotating	3.50 Trips	6.50 Survey	Jet
	Cum. Rot	106.00 D.D.	C & C	Cut DL
	BHA Insp	106.00 Reang.	0.50 Repair	Other 13.50

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV
	6.0	12	74	310	4200		/

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn
	275K	30-40	160	250-400 A	/

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 (+/-) T

B I	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/H
T	10	8.5	SDS	EX0399	3-10'S	LOCKED	8000	8025	25	2.00	12
S	11	8.5	SDS	EX0330	3-10'S	INC	8025	8100	75	3.50	21

B 8 1/2 BIT, JUNK SUB, BIT SUB, 1-6 1/2" DC, X-O, MWD (ANADRIL), FILTER SUB.  
 H X-O, 1-6 1/2"DC, STAB, MWD (BAROID), 6 1/2" LEAD COLLAR, 17-6 1/2" DC'S.  
 A 1-HWDP, JARS, 1-HWDP, DART SUB, 9-HWDP.

PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HTHP/Temp	Mud Additions		
10.9	.566	51	22 / 19	6 / 26	9.0	1	7.2	17.4/150	250 BARITE		
	Pf/Mf	Pm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime	6 RESINEX
D	.2	1.9	1.7	9000	560	TRC%	14	0	20.0		8 XCD
											16 MAX PAC
											4 BI CARB

8-1  
 Y0871#1

0.5 HRS-WASH WORK ON JUNK  
3.5 HRS-DRLG 8026' TO 8100'

WEATHER: TEMP 4.5, WIND 270 AT 14 KTS, CEILING 1500' BROKEN, VIS 15 MI,  
BAR 1020.8 TRACE OF ICE MOVING EASTERLY  
PERSONNEL 101

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**PRIVATE & CONFIDENTIAL**  
**PROPRIETARY**

# FOR GOVERNMENT USE ONLY

DAILY DRILLING REPORT

RECEIVED  
Anchorage, Alaska

8/19  
AUG 19 1986

REPORT DATE: 8/19/86

LEASE NO.: 40871

WELL NO.: 1

REGIONAL SUPERVISOR  
FIELD OPERATION  
MINERALS MANAGEMENT SERVICE

OPERATOR: SWEPT

DRILLING DEPTH: ± 8000

FOOTAGE: \_\_\_\_\_

MUD WT. (PPG): 10.8 VIS: 48 PH: 9.0

\*\*\*\*\*

PRESENT OPERATIONS: DRILLED OUT AFTER MIDNIGHT

LEAK OFF TEST 16.6 PPG EMW

CLEAN HOLE

\*\*\*\*\*

PRINCIPAL WORK ACCOMPLISHED: \_\_\_\_\_

LANDED SHOC AT 7943'

CEMENTED WITH 1800 SXS 15.8 PPG, FULL RETURNS

CIP 5:30 AM.

ACTIVATED PACK OFF SEAL AND TESTED SANG TO 5000

TESTED BOP- AND CSS

DRILLED FLOAT COLLAR AFTER 14 RND CEMENT

STILL GREEN, WAITED ADDITIONAL 3 HRS.

\*\*\*\*\*

REMARKS: (Include zones of lost circulation, kicks encounters during drilling operations, zones of abnormal pressure, other hole difficulties, Sea Ice Conditions and Ice Forecast.)

PROBABLY WILL DRILL TO 9200', LOC

AND PxA.

WILL PROBABLY BE LOGGING ABOUT FRI/SAT OF

THIS WEEK. PxA THEN BE READY TO

MOVE TO BELCHER.

0871  
8-1

Rig Name EXPLORER II  
Shel: Drilling Foreman FOX/GROTE  
Present Activity DRILLING FLOAT SHOE

Elevation KB to MSL 38.4  
Water Depth 117

**CONFIDENTIAL**

*OKS*

Well: CORONA Prog. Depth 10000 Day Number 23  
Leas: OCS-Y 871 Present Depth 8000 Est. Days 34  
Well Number # 1 Footage Drilled Days +/-  
Work Order # 266121 Size & Depth of Last Casing: 9 5/8" @ 7943'

0.5 HRS-FINISH LANDING 9 5/8" CSG-RAN 197 JTS 9 5/8", L-80, 53.5#, BT&C  
CASING-WITH FLOAT COLLAR AT 7859' AND FLOAT SHOE AT 7943'.

1.5 HRS-CIRC AND COND MUD

2.5 HRS-TEST LINES-MIX AND PUMP 1800 SX. CLASS "G" CEMENT WITH 0.5% HALAD  
944, 0.25% CFR-2 AND 0.15% LWL AT 15.8 PPG. YIELD 1.15 CU.FT./SK.

1.0 HRS-DISPLACE CEMENT WITH RIG PUMP-BUMPED PLUG WITH 1500 PSI ABOVE  
CIRCULATING PRESSURE-FLOATS HELD-BUMPED PLUG @ 05:30 AM, 8-18-86

2.5 HRS-ACTIVATE PACKOFF SEAL ASSY-TEST TO 5000 PSI-HELD OK

1.0 HRS-TEST BLIND/SHEAR RAMS AND CASING TO 1760 PSI FOR 30 MIN.-HELD OK  
PULL CASING RUNNING TOOL

2.0 HRS-RUN TEST PLUG-TEST STACK. ALL SUBSEA VALVES AND RELATED LINES- OK

1.0 HRS-PULL TEST PLUG-RUN WEAR BUSHING

4.5 HRS-WOC-PICK UP BHA-TEST CHOKE MANIFORD-ALL OK

*w/ Full Returns*

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: 1  
Pump Pressure @ Kill Speed: #1 1800PSI @ 60 SPM #2 1550PSI @ 60 SPM Last BOP Test: 08/18/86

Directional Surveys

Coordinates of Last Shot

Depth	Angle	Direction	Depth	Direction	M D	Angle	Direction
RECEIVED OCS DISTRICT OFFICE AUG 19 1986 MINERALS MANAGEMENT SERVICE ANCHORAGE, ALASKA							
					TVD	Sec	N / S   E / W

TIME (HRS)	Rotating	Trips	2.00 Survey	Jet	COST DATA	
	Cum. Rot 102.50	D.D.	C & C	Cut DL	Daily Mud	\$
	BHA Insp 102.50	Reang.	Repair	Other 22.00	Cumulative Mud	\$

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV	Daily Well	\$	Cumulative Well	\$
	6.0	12	85	357	3400		/				

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn	Authorized (+/-) Target	\$
	270K				/		

B I T	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
T S	10	8.5	SDS	EX0399	3-10'S	INC	8000	INC	-8000	0.00	

B 8 1/2 BIT, BIT SUB. 1-6 1/2" DC, X-0, MWD (ANADRIL), FILTER SUB, X-0, 6 1/2"  
H DC, SUB, MWD (BAROID), 6 1/2" LEAD COLLAR, 17-6 1/2" DC'S, 1-HWDP, JARS,  
A 1-HWDP, DART SUB, 9-HWDP.

PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HTHP/Temp	Mud Additions	9 RESUBEX
10.8	.561	48	18 / 10	3 / 22	9.0	1	8.4	18.2/150	106 BAR	
Pf/Mf	Pm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime	9 TECHNISP
.1	1.7	.4	8800	560	TRC%	0	17.5			7 MAXPAC SL
										4 XCD
										4 BICARB

08/11  
8-T

2.0 HRS-RIH-TAG CEMENT AT 7853'  
1.0 HRS-DRILL FLOAT SHOE AT 7859' AND SOFT CEMENT TO 7893'  
3.8 HRS-WOC-WHILE WOC, CIRC AND COND MUD WT. TO 10.8 PPG-LAY DOWN EXCESS  
DRILL PIPE AND 7 3/4" DRILL COLLARS.  
1.0 HRS-DRILL CEMENT WITH 15-20K ON BIT, 80 RPM AND 85 SPM-DRILLING FLOAT  
SHOE AT REPORT TIME.

NOTE; RELEASED THE ICE BREAKER KIGORIAK AT 14:30 HRS. 8-18-86

WEATHER; TEMP 4, WIND 26 KTS AT 270, CEILING 2000 BROKEN, VISIBILITY 16 MI,  
BAR 1013.9, TRACE OF ICE MOVING EASTERLY.  
PERSONNEL ON BOARD 102

RECEIVED  
OCS DISTRICT OFFICE

**CONFIDENTIAL**

AUG 19 1986

MINERALS MANAGEMENT SERVICE  
ANCHORAGE, ALASKA

MINERALS MANAGEMENT SERVICE  
ANCHORAGE, ALASKA

AUG 19 1986

RECEIVED  
OCS DISTRICT OFFICE  
Anchorage, Alaska

AUG 20 1986

REGIONAL SUPERVISOR  
FIELD OPERATION  
MINERALS MANAGEMENT SERVICE

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# FOR GOVERNMENT USE ONLY

DAILY DRILLING REPORT

*pas*

REPORT DATE: 8-18-86  
LEASE NO.: Y0871 WELL NO.: 1  
OPERATOR: SHELL SWCP?  
DRILLING DEPTH: 8000 FOOTAGE: \_\_\_\_\_  
MUD WT. (PPG): 10.6 VIS: 32 PH: 8.5

\*\*\*\*\*

PRESENT OPERATIONS: CEMENT IN PLACE, WILL DRILL OUT TODAY (8-18-86)

\*\*\*\*\*

PRINCIPAL WORK ACCOMPLISHED: ACQUISITION LAND 9 5/8

RECEIVED  
OCS DISTRICT OFFICE

AUG 18 1986

MINERALS MANAGEMENT SERVICE  
ANCHORAGE, ALASKA

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REMARKS: (Include zones of lost circulation, kicks encounters during drilling operations, zones of abnormal pressure, other hole difficulties, Sea Ice Conditions and Ice Forecast.)

8-1  
Y0871 #1

Rig Name EXPLORER II  
 Shell Drilling Foreman FOX/GRO  
 Present Activity LANDING CASING IN CASING HANGER

*aug 18*

Elevation KB to MSL 98.4  
 Water Depth 117

Field CORONA Prog. Depth 10000 Day Number 22  
 Lease OCS-Y 871 Present Depth 8000 Est. Days 34  
 Well Number \* 1 Footage Drilled Days +/-  
 Work Order # 266121 Size & Depth of Last Casing: 13 3/8 " @ 2655'

SUMMARY  
 OF  
 OPERATIONS

2.0 HRS-LOGGING-COMPLETED RUNNING RFT LOGS  
 0.5 HRS-RIG DOWN SCHLUMBERGER  
 1.0 HRS-RIG UP AND RIH TO 2500'  
 1.0 HRS-SLIP AND CUT DRLG LINE.  
 2.5 HRS-RIH TO 8000' (FILL PIPE AND BREAK CIRC AT 8000')  
 3.0 HRS-CIRCULATE AND CONDITION MUD  
 4.0 HRS-POOH TO RUN CASING  
 1.0 HRS-PULL WEAR BUSHING  
 1.0 HRS-RIG UP TO RUN 9 5/8" CASING  
 8.0 HRS-RUN 9 5/8" CASING-LANDING CASING HANGER AT REPORT TIME.

*FOX*

WEATHER; TEMP 10.0 WIND CALM CEILING 700' BROKEN, VIS 15 MI, BAR 1016.2  
 TRACE OF ICE WITH VERY MINOR MOVEMENT. PERSONNEL ON BOARD 103

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: 1  
 Pump Pressure @ Kill Speed: #1 PSI @ 60 SPM #2 PSI @ 60 SPM Last BOP Test: 08/12/86

Directional Surveys

Coordinates of Last Shot

Depth	Angle	Direction	Depth	Angle	Direction	TVD	Sec	N / S	E / W
<b>PROPRIETARY</b>									

TIME | Rotating | Trips | 4.00 | Survey | Jet  
 | Cum. Rot | 102.50 | D.D. | C & C | 3.00 | Cut DL | 1.00  
 (HRS) | BHA Insp | 102.50 | Reamg. | Repair | Other | 16.00

COST DATA

RECEIVED  
 OCS DISTRICT OFFICE  
 Daily Mud \$  
 Cumulative Mud \$  
 Daily Well \$  
 Cumulative Well \$

HYDRAULIC | Liner | Stroke | SPM | GPM | PSI | HHP | AV / CV  
 DATA | 6.0 | 12 | | | | | /

MINERALS MANAGEMENT SERVICE  
 Authorized ANCHORAGE, ALASKA  
 (+/-) Target \$

DRILLING | Hook Load | Bit Weight | RPM | Torque | Drag Up/Dn  
 DATA | | | | | /

B	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
I	9RR	12.25	SDSC	EZ1815	3-16, 1-9C	3-6-I	8000	8000	0	0.00	

B  
 H  
 A

M	PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HTHP/Temp	Mud Additions
U	10.6	.551	38	14 / 5	2 / 6	8.5	1	7.7	18.8/150	9 RESINEX
D	.05/1.1	.2	9000	360	TRC%	12	0	17.5		9 TECHNISPHERE

APPA 8-1  
 Y0871 FI

Rig Name EXPLORER II  
 Shell Drilling Foreman FOX/...  
 Present Activity LOGGING

Aug 17

Elevation KB to MSL 38.4  
 Water Depth 117

Field CORONA Prog. Depth 10000 Day Number 21  
 Lease OCS-Y 871 Present Depth 8000 Est. Days 34  
 Well Number # 1 Footage Drilled Days +/-  
 Work Order # 266121 Size & Depth of Last Casing: 13 3/8 " @ 2655

24.0 HRS-LOGGING-RUNNING RPT LOGS

HELD H2S/FIRE/ABANDON SHIP DRILL WITH ALL PERSONNEL ON FRIDAY, AUG. 15.

SUMMARY

OF WEATHER; TEMP 4.3, WIND 360 AT 0 KTS, CEILING 2000 (BROKEN), VISIBILITY 15MI  
 BAR 1011.2  
 HAVE 2/10 ICE COVERAGE, IN SMALL MANAGEABLE PIECES, MOVING  
 WESTERLY AT 0.3 KT.

OPERATIONS

**CONFIDENTIAL**

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: 1  
 Pump Pressure @ Kill Speed: #1 PSI @ 60 SPM #2 PSI @ 60 SPM Last BOP Test: 08/12/86

Directional Surveys						Coordinates of Last Shot					
Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Directio			
								TVD	Sec	N / S	E /

TIME (HRS)	Rotating	Trips	Survey	Jet	COST DATA	
	Cum. Rot	102.50 D.D.	C & C	Cut DL	Daily Mud	\$
	BHA Insp	102.50 Reamg.	Repair	Other	Cumulative Mud	\$
				24.00	Daily Well	\$
					Cumulative Well	\$

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV	Authorized
	6.0	12					/	MINERALS MANAGEMENT SERVICE

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn	Authorized
					/	(MINERALS MANAGEMENT SERVICE)

B I T S	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft
	9RR	12.25	SDSC	EZ1815	3-16, 1-9C	3-3-1	8000	8000	0	0.00	

B H A	12 1/4 BIT, BIT SUB, 2-7 3/4 DC, STAB, 1-7 3/4 DC, STAB, 1-7 3/4 DC, JARS, 1-7 3/4 DC, X-O, 3-6 1/2 DC, DART SUB, 9-6 1/2 DC, 6 JTS HWDP.	***CLEAN OUT ASSMY***

PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HTHP/Temp	Mud Additions	
10.6	.551	40	17 / 6	3 / 6	8.5	2	6.6	18.8/150		
	Pf/Mf	Pm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime
D	.1 / .8	3	8600	160	TRC%	12	0	17.5		

AREA FILE 8-1  
 10871 # 1

Rig Name EXPLORER II  
Shell Drilling Foreman FOX/GROTE  
Present Activity LOGGING

Elevation KB to MSL 38.4  
Water Depth 117

Field CORONA Prog. Depth 10000 Day Number 20  
Lease OCS-Y 871 Present Depth 8000 Est. Days 34  
Well Number # 1 Footage Drilled Days +/-  
Work Order # 266121 Size & Depth of Last Casing: 13 3/8 " @ 2655

SUMMARY  
OF OPERATIONS  
2.0 HRS-RUN #9, (CST/GR #5) RECOVERED 44, NO MISFIRE, 1 LOST.  
1.5 HRS-RUN #10, (CST/GR #6) RECOVERED 35, 10 MISFIRE, NONE LOST  
2.5 HRS-RUN #11, (CST/GR #7) RECOVERED 44, NO MISFIRE, 1 LOST.  
1.5 HRS-RUN #12, (CST/GR #8) RECOVERED 30, 15 MISFIRE, NONE LOST.  
0.5 HRS-RIG DOWN SCHLUMBERGER  
3.0 HRS-RIH FOR CONDITIONING RUN-WASH AND REAM LAST 3 STANDS  
3.5 HRS-CIRCULATE AND CONDITION MUD  
1.0 HRS-MAKE 5 STAND SHORT TRIP-NO TIGHT SPOTS  
1.0 HRS-CIRC BOTTOMS UP  
3.0 HRS-POOH FOR LOGS  
1.0 HRS-RIG UP SCHLUMBERGER  
3.5 HRS-RUNNING RFT

*log*

**CONFIDENTIAL**

TEMP 3, WIND [REDACTED] KTS, CEIL 0, VIS 0, (FOG), BAR 1016.0, PEOPLE 105

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: 1  
Pump Pressure @ Kill Speed: #1 PSI @ 60 SPM #2 PSI @ 60 SPM Last BOP Test: 08/12/8

Directional Surveys						Coordinates of Last Shot		
Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Directio
						TVD	Sec	N / S   E /

TIME (HRS)	Rotating Cum. Rot	Trips D.D.	7.00 Survey	Jet C & C	4.50 Cut DL	COST DATA			
	BHA Insp	102.50 Reamg.	Repair	Other	12.50	Daily Mud RECEIVED\$	DISTRICT OFFICE		

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV	Daily Well	Cumulative Well
	8.0	12					/	\$	\$86

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn	Authorized	MANAGEMENT SERVICE		
	280				/	\$	ANCHORAGE, ALASKA		

B I T	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/
T S	10R	12.25	SDSC	EZ1815	3-16, 1-9C	3-3-I	8000	8000	0	0.00	

B 12 1/4 BIT, BIT SUB, 2-7 3/4 DC, STAB, 1-7 3/4 DC, STAB, 1-7 3/4 DC, JARS,  
H 1-7 3/4 DC, X-O, 3-6 1/2 DC, DART SUB, 9-6 1/2 DC, 6 JTS HWDP.  
A \*\*\*CLEAN OUT ASSMY\*\*\*

	PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HTHP/Temp	Mud Additions	
M	10.6	.551	41	18 /7	3 /8	8.5	2	6.4	16.6/150	539 BARITE	
U	Pf/Mf	Pm	C1	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime	18 TECHNISP
D	.1 / .9	.3	8800	180	TRC%	12	0	17.5			10 RESENEK
	NOTE; THE MUD USAGE IS FOR THE LAST TWO DAYS									11 MAX PAC	
										10 Q BROXIN	

APPA FILE 8-7  
Y0871 #1

# FOR GOVERNMENT USE ONLY

DAILY DRILLING REPORT

REPORT DATE: 8-15-86  
LEASE NO.: Y4871 WELL NO.: 1  
OPERATOR: SHALL (SWEEP)  
DRILLING DEPTH: 8020 FOOTAGE: \_\_\_\_\_  
MUD WT. (PPG): 10.6 VIS: 39 PH: 9.0

\*\*\*\*\*

PRESENT OPERATIONS: LOGGING,  
POSSIBLY FINISH LOGGING BY 4 P.M. SAT, RUN CASING  
AND CEMENT SAME BY 4 A.M. SUNDAY UNLESS  
ADDITIONAL LOGS ARE RUN. WILL REQUEST 2 1/2 DAYS FROM THE  
TIMING OF THE RESTRAINING ORDER  
FOR OPERATIONS RAMP UP  
PRINCIPAL WORK ACCOMPLISHED: \_\_\_\_\_

AS MIDNIGHT MAKING FINAL SIDE WALL CORE RUN

\*\*\*\*\*

REMARKS: (Include zones of lost circulation, kicks encounters during drilling operations, zones of abnormal pressure, other hole difficulties, Sea Ice Conditions and Ice Forecast.)  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

DATE 08/15/86

SHELL WESTERN E&P INC DAILY DRILLING REPORT

PAGE 1 OF 1

Rig Name EXPLORER II  
Shell Drilling Foreman FOX/GROTE  
Present Activity LOGGING

Elevation KB to MSL 38.4  
Water Depth 117

Field CORONA Prog. Depth 10000 Day Number 19  
Lease OCS-Y 871 Present Depth 8000 Est. Days 34  
Well Number # 1 Footage Drilled 0 Days +/- 0  
Work Order # 266121 Size & Depth of Last Casing: 13 3/8 " @ 2655'

SUMMARY  
OF OPERATIONS  
0.5 HRS-CIRC AND COND MUD  
4.0 HRS-POOH-ENCOUNTERED NO TIGHT SPOTS WHILE POOH.  
0.5 HRS-RIG UP SCHLUMBERGER  
9.5 HRS-RUN #5-RAN FMS/QUICK CHECK  
2.0 HRS-RUN #6-RAN SAT  
4.0 HRS-RUN #7, (CST/GR #3) RECOVERED 21, 3 MISFIRE, 21 LOST-COULT NOT RUN BELOW 7700'.  
2.0 HRS-RUN #8, (CST/GR #4) RECOVERED 38, 2 MISFIRE, 5 LOST-USING SMALL CORE BARREL.  
1.5 HRS-RUN #9, (CST/GR #5) RUNNING AT REPORT TIME  
WEATHER: TEMP 3, [REDACTED] 050, CEILING 0, VIS 0 (FOG), BAR 1018.1  
ICE: TRACE, W/SLIGHT MOVEMENT  
PERSONNEL ON BOARD 104

Number of Accidents Last 24 Hrs: Number of Accidents Year to Date: 1  
Pump Pressure @ Kill Speed: #1 PSI @ 60 SPM #2 PSI @ 60 SPM Last BOP Test: 08/12/86

Directional Surveys

Coordinates of Last Shot

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
		RECEIVED						
		OCS DISTRICT OFFICE						
		AUG 15 1986						
						TVD	Sec	N / S   E / W

PROPRIETARY

MINERALS MANAGEMENT SERVICE  
Rotating Trip 4.00 Survey Jet  
Cum. Rot ANCHORAGE ALASKA C & C 0.50 Cut DL  
(HRS) BHA Insp 102.50 Reang. Repair Other 19.50

COST DATA

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV	Daily Mud	Cumulative Mud	Daily Well	Cumulative Well
	6.0	12					/	\$	\$	\$	\$
DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn	Authorized (+/-) Target		\$	\$		\$
					/						

B	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/H
I											
T	9RR	12.25	SDSC	EZ1815	3-16, 1-9C	1-2-I	8000	8000	0	0.00	
S							8000				

B | 12 1/4 BIT, BIT SUB, 2-7 3/4 DC, STAB, 1-7 3/4 DC, STAB, 1-7 3/4 DC, JARS.  
H | 1-7 3/4 DC, X-0, 3-8 1/2 DC, DART SUB, 9-8 1/2 DC, 8 JTS HWDP.  
A | \*\*\*CLEAN OUT ASSMY\*\*\*

M	PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HTHP/Temp	Mud Additions
	10.6	.551	39	17 / 5	2 / 5	9.0	3	6.6	17.0/150	
U	Pf/Mf	Pm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime
D	.1 / 1.0	.3	8500	200	TRC%	12.0	0	17.5		

8-100 y 0971 #1

# FOR GOVERNMENT USE ONLY

DAILY DRILLING REPORT

*Dees*

REPORT DATE: 8-14-86

LEASE NO.: Y0871

WELL NO.: 1

OPERATOR: SHELL

DRILLING DEPTH: 8000'

FOOTAGE: \_\_\_\_\_

MUD WT. (PPG): 10.6

VIS: 48

PH: 9.9

\*\*\*\*\*

PRESENT OPERATIONS: PREPARE FOR CASING JOB

\_\_\_\_\_  
\_\_\_\_\_

\*\*\*\*\*

PRINCIPAL WORK ACCOMPLISHED: \_\_\_\_\_

LOGGED & CORED, INDUCTION, LDT CNT,  
2 SETS OF SIDE CORES, RAN DIPMETER.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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REMARKS: (Include zones of lost circulation, kicks encounters during drilling operations, zones of abnormal pressure, other hole difficulties, Sea Ice Conditions and Ice Forecast.)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

871 #1  
8

Rig Name EXPLORER II
Shell Drilling Foreman FOX/WELLS
Present Activity CIRC/COND FOR MORE LOGS.

Elevation KB to MSL 38.4
Water Depth 117

Field CORONA Prog. Depth 10000 Day Number 18
Lease OCS-Y 871 Present Depth 8000 Est. Days 94
Well Number # 1 Footage Drilled 0 Days +/- 0
Work Order # 266121 Size & Depth of Last Casing: 13 3/8 " @ 2655

SUMMARY 2.0 HRS-FINISH LOGGING DITE/SDTA/GR/AMS SUITE OF LOGS.
7.0 HRS-RUN #2: LOGGED; LDT/CNTG/MSPL/NGT/AMS.
5.0 HRS-RUN #3: CST/GR; SHOT 66 SWS, 15 MISFIRED, 5 LEFT IN HOLE, REC 46.
4.5 HRS-RUN #4: CST/GR; SHOT 66 SWS, 12 MISFIRED, 34 LEFT IN HOLE, REC 20.
RIG DN SCHLUMBERGER.
OF 4.0 HRS-TIH, FILL PIPE AT 6000', FINISH IN HOLE. HAD 12' OF FILL, WASHED
5 FT AND ENCOUNTERED SWS JUNK AT 7993'.
1.5 HRS-CIRC/COND FOR MORE LOGS AT RPT TIME.

OPERATIONS

PROPRIETARY

PRIVATE & CONFIDENTIAL

ICE: TRACE, W/SLIGHT MOVEMENT. CEILING/VIS 0 IN FOOTING. TEMP 4C

Number of Accidents Last 24 Hrs: Number of Accidents Year to Date: 1
Pump Pressure @ Kill Speed: #1 PSI @ 60 SPM #2 PSI @ 60 SPM Last BOP Test: 08/12/86

Directional Surveys

Coordinates of Last Shot

Table with columns: Depth, Angle, Direction, Depth, Direction, M D, Angle, Direction. Includes stamp: RECEIVED OCS DISTRICT OFFICE AUG 14 1986.

MINERALS MANAGEMENT SERVICE

ANCHORAGE, ALASKA

TIME Rotating 0.00 Trips 4.00 Survey
Cum. Rot 102.50 D.D. C & C 1.50 Cut DL
(HRS) BHA Insp 102.50 Reamg. Repair Other 18.50

COST DATA

Daily Mud \$
Cumulative Mud \$
Daily Well \$
Cumulative Well \$

HYDRAULIC DATA Liner 6.0 Stroke 12 SPM 180 GPM 706 PSI 2500 HHP AV / CV

DRILLING DATA Hook Load Bit Weight RPM Torque Drag Up/Dn

Authorized \$
(+/-) Target \$

Table with columns: Bit, Size, Type, Serial, Jets, T.B.G., In, Out, Footage, Hours, Ft/Hr. Row 1: 9RR, 12.25, SDSC, EZ1815, 3-16, 1-9C, 1-2-I, 8000, 8000, 0, 0.00.

B 12 1/4 BIT, BIT SUB, 2-7 3/4 DC, STAB, 1-7 3/4 DC, STAB, 1-7 3/4 DC, JARS,
H 1-7 3/4 DC, X-O, 3-6 1/2 DC, DART SUB, 9-6 1/2 DC, 6 JTS HWDP.
A \*\*\*CLEAN OUT ASSMY\*\*\*

Table with columns: PPG, Grad, Vis, PV/YP, Gels, pH, Cake, WL-API, HTHP/Temp, Mud Additions. Row 1: 10.6, .551, 48, 20 / 9, 3 / 8, 9.9, 2, 5.6, 16.0/150, 75 GEL.

Handwritten notes: 8-1, 10871, AREA COPY, #1

# FOR GOVERNMENT USE ONLY

DAILY DRILLING REPORT

800

REPORT DATE: 8-13-86

LEASE NO.: 871

WELL NO.: 1

OPERATOR: SHELL SERVICE

DRILLING DEPTH: \_\_\_\_\_

FOOTAGE: \_\_\_\_\_

MUD WT. (PPG): 10.6

VIS: 48

PH: 8.5

\*\*\*\*\*

PRESENT OPERATIONS: FINISH (SOT CNT) SOURCE TOOL LOGS

RIGGING FOR SIDEWALL SAMPLE GUNS.

\*\*\*\*\*

PRINCIPAL WORK ACCOMPLISHED: \_\_\_\_\_

BACK ON LOCATION ABOUT MIDNIGHT 8-11-86,

12' FULL ON BOTTOM OF HOLE, 1405 UNITS OF GAS FLOW SHORT

DURATION, TESTED BOP,

RAN INDUCTION LOG TOOL, WITH SOURCE TOOL

\*\*\*\*\*

REMARKS: (Include zones of lost circulation, kicks encounters during drilling operations, zones of abnormal pressure, other hole difficulties, Sea Ice Conditions and Ice Forecast.)

8

871#1

Rig Name EXPLORER II Elevation KB to MSL 38.4  
 Shell Drilling Foreman FOX/WELLS Water Depth 117  
 Present Activity LOGGING SDTA INSIDE 13 3/8" CSG.

**PRIVATE & CONFIDENTIAL**

Field CORONA Prog. Depth 10000 Day Number 17  
 Lease OCS-Y 871 Present Depth 8000 Est. Days 34  
 Well Number # 1 Footage Drilled 0 Days +/- 0  
 Work Order # 268121 Size & Depth of Last Casing: 13 3/8 " @ 2655'

**SUMMARY**  
 2.0 HRS-TEST CHOKE/KILL LINES T/5000\* F/5 MINS. OK.CHECK F/PRESSURE BETWEEN BLINDS AND 5" DP, NONE. CK PSI UNDER 5" RAMS, HAD SLIGHT VACUUM. TIH W/CENTRALIZED DP, TAG UP ON BLINDS, DISPLACE RISER WITH 10.6 PPG MUD. OPEN BLINDS, HOLE TOOK 6 BBLs OF MUD. SCREW INTO HANG OFF TOOL, RETRIEVE SAME.  
 OF 2.5 HRS-TIH, FILL PIPE AT 6000', FINISH IN HOLE. WASH 12' OF FILL TO BTM.  
 2.0 HRS-CIRC/COND F/LOGS. HAD 28.0 % GAS W/BTMS UP. (1400 UNITS)  
 4.0 HRS-POH , NO TIGHT HOLE. RECOVER BAROID INFO.  
**OPERATIONS** 4.0 HRS-JET/PULL WEAR BUSHING. RUN TEST PLUG. TEST BOPE W/HOWCO. PULL TEST PLUG. RUN WEAR BUSHING. (MINIMAL WEAR INSIDE WEAR BUSHING FROM DP)  
 9.5 HRS-RIG UP/LOGGING W/SCHLUMBERGER. (MONITORING/RECORDING HOLE GAIN-LOSS) LOGGING DITE/SDTA/GR/AMS AT RPT TIME. \*\*\*LOGGERS TD: 7963'\*\*\*  
 ICE: TRACE MOVING 320 @ .24KTS CEILING/VIS 0 IN FOG WIND 080 @ 16KTS TEMP 4C

Number of Accidents Last 24 Hrs: Number of Accidents Year to Date: 1  
 Pump Pressure @ Kill Speed: #1 680 PSI @ 60 SPM #2 720 PSI @ 60 SPM Last BOP Test: 08/12/86

Directional Surveys				Coordinates of Last Shot			
Direction	Depth	Angle	Direction	M D	Angle	Direction	
<b>PROPRIETARY</b>							
				TVD	Sec	N / S	E / W

MINERALS MANAGEMENT SERVICE

TIME (HRS)	Rotating	Trips	Survey	Jet	Other	Daily Mud	Cumulative Mud	Daily Well	Cumulative Well
	Cum. Rot 102.50	D.D.	C & C	2.00	Cut DL	\$	\$	\$	\$
	BHA Insp 102.50	Reang.	Repair		Other 15.50				

B I T	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Pt/Hr
T	9	12.25	SDSC	EZ1815	2-12, 13, 9	1-2-I	7136	8000	864	16.60	52.0
S							8000				

B | 12 1/4 BIT, BIT SUB, 9 1/2 COLLAR, MWD, FILTER SUB, X-O SUB, 7 3/4 COLLAR,  
 H | 12 1/4 STAB, MWD, 7 3/4 SHORT COLLAR, 6-7 3/4 DC'S, JARS, X-O SUB, 3-6 1/2  
 A | COLLARS, DART SUB, 9-6 1/2 COLLARS.

M U D	PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HTHP/Temp	Mud Additions
M	10.6	.551	48	20 / 16	8 / 24	8.5	2	6.0	17.5/150	3 CAUSTIC
U	Pf/Mf	Pm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime
D	.05/.6	.1	9000	280	.25%	12.5	0	22.5		7 MAXIPAC SL

# FOR GOVERNMENT USE ONLY

DAILY DRILLING REPORT

*RLG*

REPORT DATE: 8/12/86  
LEASE NO.: Y0871 WELL NO.: 1  
OPERATOR: SHELL WESTERN EXP INC  
DRILLING DEPTH: 8000 FOOTAGE: \_\_\_\_\_  
MUD WT. (PPG): 10.6 VIS: 44 PH: 9.4

\*\*\*\*\*

PRESENT OPERATIONS: CIRC HOLE, HOLE IN GOOD SHAPE.  
WILL TEST BOP AND RESUME LOGGING  
OPERATION.

\*\*\*\*\*

PRINCIPAL WORK ACCOMPLISHED: MOVED BACK ON LOCATION  
YESTERDAY EVENING. JUMPED DIVERS INSPECTED  
BOP & RECONNECTED BOP & DID OVER PULL.

RECEIVED  
Anchorage, Alaska

AUG 12 1986

REGIONAL SUPERVISOR  
FIELD OPERATION  
MINERALS MANAGEMENT SERVICE

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REMARKS: (Include zones of lost circulation, kicks encounters during drilling operations, zones of abnormal pressure, other hole difficulties, Sea Ice Conditions and Ice Forecast.)  
DIVER RECEIVED 2nd DEGREE BURNS  
WHEN COLD WATER WAS TURNED OFF TO  
HIS SUITE. DIVER IS IN ARCO HOSPITAL  
WILL BE TRANSFERRED TO ANCHORAGE.

AREA FILE 8-1  
Y0871#1

Name EXPLORER II  
Well Drilling Foreman FOX/WELLS  
Recent Activity LOCKING DIVER/EN ASSK

**PROPRIETARY**

Elevation KB to MSL 38.4  
Water Depth 117

Well CORONA  
see OCS-Y 871  
Well Number # 1  
Work Order # 266121

Prog. Depth 10000  
Present Depth 8000  
Footage Drilled 0  
Size & Depth of Last Casing:

Day Number 16  
Est. Days 34  
Days +/-  
19 8/8 2655

14.0 HRS-WAIT ON ICE; GEN MAINT. AND LAY DN AMP, SET LMRP ON DECK. WORKED ON H-4 CONNECTOR, REPAIRED A CHECK VALVE IN LINE BETWEEN YELLOW AND BLUE PODS. FUNCTION TESTED 20 TIMES W/NO PROBLEMS. INSTALLED NEW GUIDELINE SPEARS/SHEAR PINS. ICE BREAKER, ROBERT LEMURE ARRIVED AT 0800 HRS 08/11/86. TRANSFERED OIL SPILL EQUIPMENT FROM KIGORIAK TO THE ROBERT LEMURE. BEGIN MOVING BACK TOWARDS CORONA. ALL 4 SHIPS WORKING ICE. 1ST ANCHOR DOWN AT 1409 HRS 08/11/86, LAST AT 1732 HRS  
6.0 HRS-HELD PRE JOB MEETING W/DRILL CREW & DIVERS. NU RISER & AMP TO LMRP. PCT AMP. NU CK & KILL LINES. PU TENS RING. LOWER GL & LMRP TO 15' ABOVE STACK.  
4.0 HRS-JUMP DIVERS, CK BOP MANDREL, CK POD RECEPTACLES & STAB-INS. EST GUIDELINES. \*SEE NOTE. MOVE RIG TO POSITION LMRP PER DIVER. LAND & LATCH LMRP. CK H4 CONN INDICATOR ROD - OK. PULL DIVER.

Number of Accidents Last 24 Hrs: 1 Number of Accidents Year to Date: 1  
Lump Pressure @ Kill Speed: #1 680 PSI @ 60 SPM #2 720 PSI @ 60 SPM Last BOP Test: 08/03/86

Directional Surveys

Coordinates of Last Shot

Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
					TVD	Sec	N / S E / W

Rotating 0.00 Trips  
Cum. Rot 102.50 D.D.  
BHA Insp 102.50 Reamg.  
Survey C & C  
Repair  
Jet Cut DL  
Other 24.00

COST DATA RECEIVED  
OCS DISTRICT OFFICE  
Daily Mud \$  
Cumulative Mud \$  
Daily Well \$  
Cumulative Well \$  
AUG 21 1986

HYDRAULIC DATA  
Liner 6.0  
Stroke 12  
SPM  
GPM  
PSI  
HHP  
AV / CV /  
DRILLING DATA  
Hook Load 240  
Bit Weight  
RPM  
Torque  
Drag Up/Dn /  
Authorized (+/-) Target \$

MINERALS MANAGEMENT SERVICE  
ANCHORAGE, ALASKA

Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
9	12.25	SDSC	EZ1815	2-12, 13, 9	INC	7136	8000	664	16.60	52.0
						8000				

12 1/4 BIT, BIT SUB, 9 1/2 COLLAR, MWD, FILTER SUB, X-0 SUB, 7 3/4 COLLAR,  
12 1/4 STAB, MWD, 7 3/4 SHORT COLLAR, 6-7 3/4 DC'S, JARS, X-0 SUB, 3-6 1/2  
COLLARS, DART SUB, 9-6 1/2 COLLARS.

PPG 10.6 Grad 0.551 Vis 44 PV/YP 18 /13 Gels 8 /26 pH 9.4 Cake 2 WL-API 8.1 HTHP/Temp 18.2/150  
PI/Mf Pm Cl Ca Sand Solids Oil% MBT Sulf. Line  
.1 /.6 /.3 9500 380 .25% 12.5 0 22.5

MUD CHECK FROM SUCTION PIT.

AREA FILE 8  
V. 071 #11

TEST CONNECTION W/ 50M OVERPULL. (240M HOOK 70M TENS.)  
RISER & LMRP WT 260M ON MD. (RIG WAS OVER WELL AT 2330 HRS.)

CEILING/VIS UNLIMITED, WIND CALM, TEMP 4C, MILLIBARS 1008.0  
ICE: TRACE, MOVING 260 DEGS AT .3KTS

24 HRS ICE TIME THIS RPT.

NOTE: DIVER DARCY LIPINSKI WAS SCALDED BY HOT WATER DURING WORK AT THE  
STACK WHEN THE COLD WATER TO THE DIVERS WAS TURNED OFF IN THE MOTOR ROOM  
BY MISTAKE. THE ACCIDENT OCCURED AT 2000 08/11/86. DARCY LEFT THE RIG TO  
GO TO ARCO INFIRMARY AND WILL GO TO ANCH IN MORN.

**PRIVATE & CONFIDENTIAL**

**PROPRIETARY**

RECEIVED  
OCS DISTRICT OFFICE

AUG 12 1986

MINERALS MANAGEMENT SERVICE  
ANCHORAGE, ALASKA

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REPORT DATE: 8-11-86 12:01 AM

LEASE NO.: 871

WELL NO.: 1

RECEIVED  
Anchorage, Alaska

OPERATOR: SHELL SWIFT

AUG 11 1986

DRILLING DEPTH: \_\_\_\_\_

FOOTAGE: \_\_\_\_\_

MUD WT. (PPG): \_\_\_\_\_

VIS: \_\_\_\_\_

PH: \_\_\_\_\_  
REGIONAL SUPERVISOR  
FIELD OPERATION  
MINERALS MANAGEMENT SERVICE

\*\*\*\*\*

PRESENT OPERATIONS: ICE - off location - Hung  
off in 13 3/8

\*\*\*\*\*

PRINCIPAL WORK ACCOMPLISHED: Short trip to ice at 8000'  
and ice pushed them off location.

RECEIVED  
OCS DISTRICT OFFICE

AUG 11 1986

MINERALS MANAGEMENT SERVICE  
ANCHORAGE, ALASKA

\*\*\*\*\*

REMARKS: (Include zones of lost circulation, kicks encounters during drilling operations, zones of abnormal pressure, other hole difficulties, Sea Ice Conditions and Ice Forecast.)

Shell teleconferenced may not  
get had copy today.

AREA FILE 8

40871 #

Rig Name EXPLORER II

Elevation KB to MSL 38.4  
Water Depth 117

Shell Drilling Foreman FOX/WELLS  
Present Activity WAITING ON ICE.

d CORONA	Prog. Depth 10000	Day Number 15
House OCS-Y 871	Present Depth 8000	Est. Days 34
Well Number # 1	Footage Drilled 445	Days +/- 0
Work Order # 266121	Size & Depth of Last Casing:	13 3/8 " @ 2655'

SUMMARY  
OF  
OPERATIONS

3.5 HRS-DRLG F/7555' T/7740' W/BIT #9.

1.5 HRS-SHORT TRIP 9 STDS; 1ST 5 TIGHT, 6TH, FEW TIGHT SPOTS, LAST 3 FREE.

5.5 HRS-DRLG F/7740' T/8000' W/BIT #9. (LOGGING POINT)

1.0 HRS-CIRC 20 MINS. SHORT TRIPED 5 STDS; 1ST 3 TIGHT, LAST 2 FREE.

1.5 HRS-CIRC BTMS UP FOR SHORT TRIP T/SHOE.

2.5 HRS-POOH T/SHOE; NO TIGHT HOLE.

1.0 HRS-SLIP & CUT DRLG LINE.

2.0 HRS-KIGORIAK REPORTED ICE FLOE 8 MILES EAST OF SHIP, EST 2 MILES LONG BY .5 MILES WIDE MOVING 270 DEGS AT .6 KTS. ALSO 2 OTHER LARGE FLOE @ 1 MILE BEHIND IT FOUND BY THE SUPPLIER 4. AT 1830 HRS STAR-FLIGHT PICTURE #054, TAKEN AT 1345 HRS, WAS RECIEVED. SHOWED 5 LARGE FLOES W/ASSOCIATED RUBBLE ICE COVERING AN AREA 22 MILES LONG BY 2-5 MILES WIDE 8 MILES EAST OF CORONA.

Number of Accidents Last 24 Hrs:                      Number of Accidents Year to Date:

Pump Pressure @ Kill Speed: #1 680 PSI @ 60 SPM #2 720 PSI @ 60 SPM      Last BOP Test: 08/03/86

Directional Surveys						Coordinates of Last Shot			
Depth	Angle	Direction	Depth	Angle	Direction	N D	Angle	Direction	
7665	.81	65.59	7888	1.32	27.01				
7727	.98	56.02	7911	1.31	32.16				
7854	1.07	82.09	7937	1.41	29.36	TVD	Sec	N / S	E / W
	1.03	41.72							

TIME (HRS)	Rotating	9.00 Trips	5.00 Survey	Jet
	Cum. Rot	102.50 D.D.	C & C	1.50 Cut DL
	BHA Insp	102.50 Reang.	Repair	Other 7.50

COST DATA	
Daily Mud	RECEIVED
Cumulative Mud	OCS DISTRICT OFFICE
Daily Well	\$
Cumulative Well	\$198

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV
	6.0	12	165	728	4250		/

Authorized MINERALS MANAGEMENT SERVICE ANCHORAGE, ALASKA  
(+/-) Target

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn
	279	68-70	185	380 AMPS	/

B I T S	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
	9	12.25	SDSC	EZ1815	2-12, 13, 9	INC	7136		-7136		

B | 12 1/4 BIT, BIT SUB, 9 1/2 COLLAR, MWD, FILTER SUB, X-O SUB, 7 3/4 COLLAR,  
H | 12 1/4 STAB, MWD, 7 3/4 SHORT COLLAR, 6-7 3/4 DC'S, JARS, X-O SUB, 3-6 1/2  
A | COLLARS, DART SUB, 9-8 1/2 COLLARS.

PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HTHP/Temp	Mud Additions	
10.6	.551	43	17 / 13	8 / 25	9.4	2	6.0	17.8/150	75 GEL	
	Pf/Mr	Pa	C1	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime
D	.1 / .6	.3	9500	400	.25%	12.5	0	22.5		

2 SODA ASH  
6 Q-BROXIN  
4 MAXIPAC SL  
2 CAUSTIC

871 #1

ON ICE TIME AT 1700 HRS

2.5 HRS-AT 1645 HRS, HANG OFF BHA, 17 STDS DP W/H. DRILL VALVE & INSIDE BOP. CLOSED LOWER SET OF 8" PIPE RANS. DISPLACED RISER W/SEAWATER. PULL LANDING STRING. CLOSED SHEAR RANS. DISCONNECTED H-4 CONNECTOR. PULLED LMRP CLEAR OF GLORY HOLE. SHEARED GUIDE WIRES. DISCONNECTED CHOKE/KILL HOSES. HOIST LMRP, SET ON SPIDER BEAMS AT 2100 HRS.

\*\*\* FIRST ANCHOR UP AT 2046 HRS 08/10/86.

\*\*\* LAST ANCHOR UP AT 2306 HRS 08/10/86.

3.0 HRS-WAITING ON ICE. GEN. MAINT.

CEILING, 0' VIS, 0' IN FOG. WIND, 080 DEGS AT 14KTS. TEMP 4C. 104 ABOARD

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RECEIVED  
OCS DISTRICT OFFICE

AUG 12 1986

MINERALS MANAGEMENT SERVICE  
ANCHORAGE, ALASKA

RECEIVED OCS DISTRICT OFFICE

Rig Name EXPLORER II Elevation KB to MSL 38.4  
 Shell Drilling Foreman FOX/WELLS Water Depth 117  
 Present Activity DRILLING AHEAD.

Field CORONA MINERALS MANAGEMENT SERVICE Prog. Depth 10000 Day Number 14  
 Lease OCS-Y 871 ANCHORAGE, ALASKA Present Depth 7555 Est. Days 34  
 Well Number # 1 Footage Drilled 626 Days +/- 0  
 Work Order # 266121 Size & Depth of Last Casing: 13 3/8 " @ 2655'

**SUMMARY**  
 1.5 HRS-SHORT TRIP, PULLED 8 STDS, 1ST 5 WERE TIGHT, 6TH, MOSTLY FREE, LAST 2 STDS WERE FREE OF ANY EXCESSIVE DRAG. RAN BACK T/BTM W/NO PROBLEM  
 4.0 HRS-DRLG F/6929' T/7136' W/BIT #8.  
 1.0 HRS-CIRC BTMS UP.  
 4.0 HRS-POH F/NEW BIT, 1ST 2 STDS HAD A FEW TIGHT SPOTS, MAX 50K OVERPULL.  
**OF** THE REST OF THE TRIP OUT WAS FREE OF ANY EXCESSIVE DRAG.  
 .5 HRS-CNG OUT BARIOD MWD T/RECOVER INFO, TOOL HAD FAILED, NO INFO.  
 4.5 HRS-CNG BIT, TIH W/NO PROBLEMS. FUNCTION TEST BOPE, ROV INSP STACK ASSY  
**OPERATIONS** 4.5 HRS-DRLG F/7136' T/7370' W/BIT #9.  
 1.0 HRS-CHECK F/FLOW, NONE. SHORT TRIP 7 STDS, 5 TIGHT, 2 FREE OF DRAG, TIH  
 3.0 HRS-DRLG F/7370' T/7555'\*OK T/DRLG 12 1/4 T/9200 PER BRIAN SCHOOF, MMS\*  
 ICE: TRACE, MOVING 300 AT .5 KTS AT 2300 HRS 08/09/86. 104 ON BOARD.  
 CEILING 200, VIS 1/4 MILE FOG WIND 080 AT 20 KTS, TEMP 8C, 1004 MILLIBARS.

Number of Accidents Last 24 Hrs: Number of Accidents Year to Date:  
 Pump Pressure @ Kill Speed: #1 680 PSI @ 60 SPM #2 720 PSI @ 60 SPM Last BOP Test: 08/03/86

Directional Surveys						Coordinates of Last Shot			
Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction	
6950	.88	49.42							
7334	.93	36.1							
						TVD	Sec	N / S   E / W	

PROPRIETARY

TIME (HRS)	Rotating	Trips	Survey	Jet	Cum. Rot	D.D.	C & C	1.00	Cut DL	BHA Insp	Reang.	Repair	Other	0.50
	11.50		11.00		93.50					93.50				

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV
	8.0	12	165	728	4250		/

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn	Author
	277	65-70	185	380 AMPS	15 /15	(+/-)

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B I	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Pt/Hr
T	8	12.25	SDSC	EZ2013	2-12, 13, 9	3-6-I	5755	7136	1381	20.00	69.0
S	9	12.25	SDSC	EZ1815	2-12, 13, 9		7136		-7136		

B | 12 1/4 BIT, BIT SUB, 9 1/2 COLLAR, MWD, FILTER SUB, X-0 SUB, 7 3/4 COLLAR,  
 H | 12 1/4 STAB, MWD, 7 3/4 SHORT COLLAR, 6-7 3/4 DC'S, JARS, X-0 SUB, 3-6 1/2  
 A | COLLARS, DART SUB, 9-6 1/2 COLLARS.

	PPG	Grad	Vls	PV/YP	Gels	pH	Cake	WL-API	HTHP/Temp	Mud Additions	
M	10.6	.551	45	20 /16	5 /20	9.3	2	5.5	15.6/150	13 MAXIPAC SL	
U	Pf/Mf	Pm	Cl	Ca	Sand	Solids	Oil	MBT	Sulf.	Lime	36 Q-BROXIN
D	.05/.1	.3	9000	540	.25%	12.0	0	20.0			16 CAUSTIC

8-1  
 X6871 #

Rig Name EXPLORER I RECEIVED
Shell Drilling OCS-Y 871
Present Activity BEGINING A SHORT TRIP.

Elevation KB to MSL 38.4
Water Depth 117

Field CORONA AUG 1 1 1986
Lease OCS-Y 871
Well Number MINERALS MANAGEMENT SERVICE
Work Order # 2664 ANCHORAGE, ALASKA
Prog. Depth 10000
Present Depth 6929
Footage Drilled 1174
Size & Depth of Last Casing: 13 3/8 " @ 2655'
Day Number 13
Est. Days 34
Days +/- 0

1.0 HRS-FINISH SINGLE IN HOLE TO BTM, 5755', W/NO PROBLEMS.
4.0 HRS-DRLG F/5755' T/6096' W/BIT #8.
0.5 HRS-CIRC F/SHORT TRIP.

SUMMARY 1.5 HRS-MADE 5 STAND SHORT TRIP, PULLED TIGHT, RAN BACK W/NO PROBLEMS.
OF 6.0 HRS-DRLG F/6096' T/6529'.
1.0 HRS-CIRC BTMS UP AT 6529'.

OPERATIONS 3.0 HRS-PULLED 15 STANDS: FIRST 5 .ALL TIGHT, CIRC 10 MINS, SECOND 5 STANDS
WERE MOSTLY TIGHT, NEXT TWO, FEW TIGHT SPOTS, LAST THREE, NONE.
TRIP BACK TO BTM, 6529', W/NO PROBLEMS.

6.0 HRS-DRLG F/6529' T/6929'.

1.0 HRS-CIRC BTMS UP AT RPT TIME IN PREPERATION FOR A SHORT TRIP.

ICE: TRACE, MOVING 280 AT .4 KTS AT 2305 HRS 08/08/86. 104 ON BOARD.

CEILING/VIS UNLIMITED, WIND 070 AT 22 KTS, TEMP 4C, 1012.2 MILLIBARS.

Number of Accidents Last 24 Hrs:

Number of Accidents Year to Date:

Pump Pressure @ Kill Speed: #1 680 PSI @ 60 SPM #2 610 PSI @ 60 SPM Last BOP Test: 08/03/86

Directional Surveys

Coordinates of Last Shot

Table with columns: Depth, Angle, Direction, TVD, Sec, N/S, E/W. Rows for depths 5508, 5810, 6117, 6520.

PROPRIETARY

TIME | Rotating 16.00 Trips 5.50 Survey Jet
Cum. Rot 82.00 D.D. C & C 2.50 Cut DL
(HRS) | BHA Insp 82.00 Reang. Repair Other 0.00

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HYDRAULIC | Liner | Stroke | SPM | GPM | PSI | HHP | AV / CV
DATA | 6.0 | 12 | 165 | 728 | 4250 | | /

AUG 1 1 1986

DRILLING | Hook Load | Bit Weight | RPM | Torque | Drag Up/Dn | Author.
DATA | 275 | 63-68 | 185 | 380 AMPS | 15 / 15 | (+/-)

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MINERALS MANAGEMENT SERVICE

Table with columns: B, I, T, S, Bit, Size, Type, Serial, Jets, T.B.G., In, Out, Footage, Hours, Ft/Hr. Row for bit size 12.25.

B | 12 1/4 BIT, BIT SUB, 9 1/2 COLLAR, MWD, FILTER SUB, X-O SUB, 7 3/4 COLLAR,
H | 12 1/4 STAB, MWD, 7 3/4 SHORT COLLAR, 6-7 3/4 DC'S, JARS, X-O SUB, 3-6 1/2
A | COLLARS, DART SUB, 9-6 1/2 COLLARS.

Table with columns: M, U, D, PPG, Grad, Vis, PV/YP, Gels, pH, Cake, WL-API, HTHP/Temp, Mud Additions. Row for PPG 10.6.

8-1
21 MAXI FILE
Y-871 #
AREA

Rig Name EXPLORER 11
Shell Drilling Foreman FOX/WELLS
Present Activity TIH, PICKING UP DP.

Elevation KB to MSL 38.4
Water Depth 117

Field CORONA Prog. Depth 10000 Day Number 12
Lease OCS-Y 871 Present Depth 5755 Est. Days 34
Well Number # 1 Footage Drilled 580 Days +/- 0
Work Order # 366121 Size & Depth of Last Casing: 13 3/8 " @ 2655'

SUMMARY 2.5 HRS-FINISH SHORT TRIP T/SHOE.
7.0 HRS-DRLG F/5175' T/5755' W/BIT #7.
0.5 HRS-LOST 1000# PUMP PRESSURE, SURF EQUIP CHECKED OK.
5.0 HRS-TRIP F/WASHOUT, WORK TIGHT HOLE, CIRC OUT 16 SINGLES W/KELLY. FOUND 3/4" HOLE IN DRILL PIPE 17 3/4" BELOW A TOOL JT BOX AT 617'.
OPERATIONS 1.0 HRS-CIRC BTMS UP AT 5089'.
4.0 HRS-CONTINUE POH F/NEW BIT AND CNG OUT BARIOD'S MWD BATTERY PACK.
1.0 HRS-CHANGE OUT BARIOD'S MWD BATTERY PACK/RECOVER INFO.
3.0 HRS-CHECK ANADRILL MWD SCREEN, TIH WITH ALL DP FROM DERRICK T/5212' BEGIN PICKING UP SINGLES AT RPT TIME. HOLE IN GOOD COND T/5212'.
WEATHER; TEMP 7, WIND 14 KTS AT 120, CEILING/VISIBILITY, UNLIMITED, BAR 1019
ICE: 1/10TH COVERAGE, DRIFT 005 DEG AT 0.2 KTS AT 2350 HRS 08/07/86.
104 PERSONEL ON BOARD

Number of Accidents Last 24 Hrs: Number of Accidents Year to Date:
Pump Pressure @ Kill Speed: 1600 PSI AT 60 SPM Last BOP Test: 08/03/86

Table with 2 main sections: Directional Surveys and Coordinates of Last Shot. Includes columns for Depth, Angle, Direction, M D, Angle, Direction, TVD, Sec, N/S, E/W.

Table with 2 rows: Rotating (7.00 Trips, 14.50 Survey, Jet, 1.00 Cut DL, Other 1.50) and Cum. Rot (66.00 D.D., C & C, Repair).

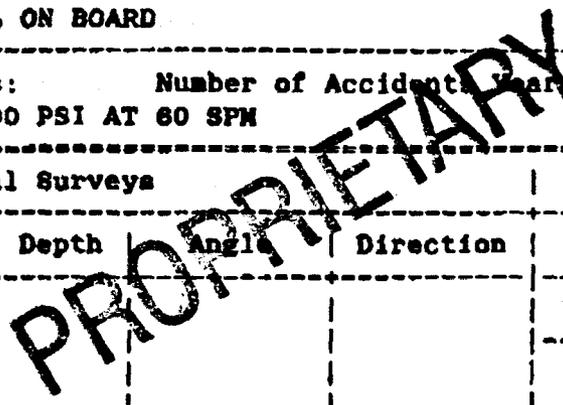
Table with 1 row: HYDRAULIC DATA (Liner 6.0, Stroke 12, SPM 150, GPM 630, PSI 4250, MHP, AV / CV).

Table with 1 row: DRILLING DATA (Hook Load 240, Bit Weight 45-55, RPM 185, Torque 980 ANPS, Drag Up/Dn).

Table with 1 row: Bit, Size, Type, Serial, Jets, T.B.G., In, Out, Footage, Hours, Ft/Hr.

B | 12 1/4 BIT, BIT SUB, 9 1/2 COLLAR, MWD, FILTER SUB, X-O SUB, 7 3/4 COLLAR.
H | 12 1/4 STAB, MWD, 7 3/4 SHORT COLLAR, 6-7 3/4 DC'S, JARS, X-O SUB, 3-6 1/2
A | COLLARS, DART SUB, 9-6 1/2 COLLARS.

Table with 1 row: PPG, Grad, Vis, PV/YP, Gels, pH, Cake, WL-API, HTHP/Temp, Mud Additions (10 RESINEX, 5 MAXIPAC SL, 3 CAUSTIC).



Received OCS District Office
Minerals Management Service Anchorage, Alaska

AREA FILE 8/Y0871#1

# FOR GOVERNMENT USE ONLY

DAILY DRILLING REPORT

REPORT DATE: 8-7-86  
LEASE NO.: Y0871 WELL NO.: 1  
OPERATOR: SHELL/WESTERN  
DRILLING DEPTH: 5175 FOOTAGE: \_\_\_\_\_  
MUD WT. (PPG): 10.5 VIS: 49 PH: 8.3

\*\*\*\*\*  
PRESENT OPERATIONS: 5650 comming out of hole  
Short TRIP to look for wash out  
\_\_\_\_\_  
\_\_\_\_\_

\*\*\*\*\*  
PRINCIPAL WORK ACCOMPLISHED: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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REMARKS: (Include zones of lost circulation, kicks encounters during drilling operations, zones of abnormal pressure, other hole difficulties, Sea Ice Conditions and Ice Forecast.)  
\_\_\_\_\_  
\_\_\_\_\_  
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AREA FILE Y0871 #1  
FILE #8

Rig Name EXPLORER II

Shell Drilling Foreman FOX/GROTE

Present Activity SHORT TRIPPING PIPE

Elevation KB to MSL 38.4

Water Depth 117

Field CORONA

Lease OCS-Y 871

Well Number # 1

Work Order # 266121

Prog. Depth 10000

Present Depth 5175

Footage Drilled 675

Size & Depth of Last Casing:

Day Number 11

Est. Days 34

Days +/-

13 3/8 " @ 2655'

SUMMARY

4.0 HRS-PULL TO SHOE-CIRC OUT SINGLES WITH KELLY TO 2 STANDS BELOW SHOE

0.5 HRS-TEST MWD TOOL

0.5 HRS-POOH

1.5 HRS-LAY DOWN JARS, BAROID MWD, SHORT DC, CHANGE SCREEN IN ANADRIL MWD

2.0 HRS-RIH TO 2 STDS OUT OF SHOE, BROKE CIRC.

OF 3.0 HRS-STAGE IN HOLE-WASH AND REAMING

6.5 HRS-DRLG-4500' TO 5175'

1.0 HRS-CIRC BOTTOMS UP

OPERATIONS 3.0 HRS-POOH ON SHORT TRIP TO SHOE

WEATHER; TEMP 5, WIND 6 KTS AT 270, CEILING 1000, VIS 1/2 MI, BAR 1015.0

PERSONNEL ON BOAT 103

**PROPRIETARY**

Number of Accidents Last 24 Hrs: 1

Number of Accidents Year to Date: 1

Pump Pressure @ Kill Speed: 1600 PSI AT 60 SPM

Last BOP Test: 08/03/86

Directional Surveys

Coordinates of Last Shot

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
4594	.97	41.60						
						TVD	Sec	N / S   E / W

TIME	Rotating	6.50	Trips	14.00	Survey	Jet
	Cum. Rot	59.00	D.D.		C & C	Cut DL
(HRS)	BHA Insp	59.00	Reamg.		Repair	Other 3.50

088 District Office

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV
	8.0	12	150	630	4250		/

Daily M Cumulat Daily W Cumulat

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn	Authori (+/-) T
	175	45-55	175	7500	/	

Minerals Management Service Anchorage, Alaska

B	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
I											
T	6	12.25	DSJC	EW4766	2-12, 11, 9	3 5 I	2700	4500	1800	16.00	112.
S	7	12.25	SDSC	EV1957	2-12, 11, 9	INC	4500	5175	675	6.50	103.

B | 12 1/4 BIT, BIT SUB, 9 1/2 COLLAR, MWD, FILTER SUB, X-0 SUB, 7 3/4 COLLAR,

H | 12 1/4 STAB, MWD, 7 3/4 SHORT COLLAR, 6-7 3/4 DC'S, JARS, X-0 SUB, 3-6 1/2

A | COLLARS, DART SUB, 9-6 1/2 COLLARS.

PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HTHP/Temp	Mud Additions		
10.5	.546	61	24 / 23	15/45	8.3	2	6.0	17.0/150	29 REXINEX		
U	Pf/Mf	Pm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime	23 MAX PAC SL
D	0	/.2	0	8500	8500	1/4%	8.3	0	17.5		1 CAUSTIC

8/Y0871#1

# FOR GOVERNMENT USE ONLY

REPORT DATE: 8-6 (ENDING MIDNIGHT 8-5)

LEASE NO.: 871

WELL NO.: 1

OPERATOR: SHELL

DRILLING DEPTH: 4500

FOOTAGE: \_\_\_\_\_

MUD WT. (PPG): 10.4

VIS: 41

PH: 8.5

\*\*\*\*\*

PRESENT OPERATIONS: POH

\*\*\*\*\*

PRINCIPLE WORK ACCOMPLISHED: AT 230 SHIP WAS PUT ON ICE ALERT #4.

MW WAS RAISED TO 10.5.

BITX STABILIZERS WERE PACKED OFF WITH GUMBO, LOST FLOW. COULD NOT GO BACK IN HOLE. TRIED TO PULL UP AND GOT STUCK AT 3704.

3 ICE BREAKERS WERE ABLE TO MOVE FLOW AWAY FROM SHIP.

PERFORATED PIPE AND REESTABLISHED CIRCULATION AND POH. AS OF MIDNIGHT 8 STANDS AND 13 SINGLES OUT OF HOLE.

\*\*\*\*\*

REMARKS: (Include zones of lost circulation, kicks encounters during drilling operations, zones of abnormal pressure, other hole difficulties, Sea Ice Conditions and Ice Forecast.)

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AREA FILE 8

Y0871 #1

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MINERALS MANAGEMENT SERVICES

\* UPDATE: AS OF 10.00 AM 8/6, FULLY OUT OF HOLE WILL CLEAN BIT GO BACK IN HOLE CLEAN OUT HOLE AND RESUME DRILLING.

2.5 HRS-WORK JARS-PIPE BEGAN MOVING-REGAINED FULL RETURNS-LOST A TOTAL OF 230 BBL FLUID

2.0 HRS-LAID DOWN 13 SINGLES WITH KELLY-100 SPM AND FULL RETURNS

WEATHER, TEMP 4, WIND CALM, CEILING 3000' BROKEN, VIS 15 MI, BAR 1007.0  
PERSONNEL ON BOARD 100

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PROPRIETARY

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FIELD OPERATION  
MINERALS MANAGEMENT SERVICE

Rig Name EXPLORER II  
Shell Drilling Foreman FOX/GROTE  
Present Activity POOH WITH DRILL PIPE

Elevation KR to NAT. 00.4  
Water Depth 117

Field CORONA Prog. Depth 10000 Day Number 10  
Lease OCS-Y 871 Present Depth 4500 Est. Days 34  
Well Number # 1 Footage Drilled 250 Days +/-  
Work Order # 266121 Size & Depth of Last Casing: 13 3/8 " @ 2655'

SUMMARY OF OPERATIONS  
2.5 HRS-DRILL 4250' TO 4500'  
1.0 HRS-CIRC AND RAISE MUD WEIGHT TO 10.5 PPG. IN PREPERATION TO MOVE OFF  
1.8 HRS START POOH HOLE OUT TIGHT AFTER THIRD STAND-CIRCULATE AND PULL 4 MORE STANDS-LOSS CIRC AND STUCK AT PIPE 3550', BIT DEPTH.  
DURING THIS TIME THE KAGORICK, SUPPLIER IV AND SUPPLIER VII WAS ABLE TO DIVERT A FLOW OF ICE (1 BY 1 1/4 MILES) TO WHERE IT PASSED JUST OUTSIDE THE ANCHOR PATTERN.  
7.5 HRS-WORK STUCK PIPE  
1.5 HRS-BREAK OFF KELLY-RIG UP LUBRICATOR  
1.0 HRS-MAKE DUMMY RUN WITH PERF TOOL  
2.5 HRS-RIG UP AND RUN IN HOLE WITH PERFORATING TOOL-PERFORATE SHORT DRILL  
JUST ABOVE LUBRICATOR AND TOOL WORK WAS DONE BUT CIRCULATE  
1.0 HRS-STARTED CIRCULATING WITH PARTIAL RETURNS-CIRCULATE BOTTOMS UP

Number of Accidents Last 24 Hrs: 1 Number of Accidents YTD to Date: 1  
Pump Pressure @ Kill Speed: 800 PSI AT 50 SPM Last DOP Test: 08/03/88

Directional Surveys

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
4308	1.30	30.60						
4375	1.23	31.90						
4396	1.10	43.50						

Coordinates of Last Shot

TVD	Sec	N / S	E / W

PROPRIETARY

COST DATA

TIME (HRS)	Rotating	2.50 Trips	Survey	Jet	Cum. Rot	52.50 D.D.	C & C	Cut DL	Daily Mud	\$
			Repair	Other				21.50	Cumulative Mud	\$

HYDRAULIC DATA

Linear	Stroke	SPM	GPM	PSI	HHP	AV / CV	Daily Well	\$
9.9	12					/	Cumulative well	\$

DRILLING DATA

Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn	Authorized	\$
175	45-55	175	8000	/	(+/-) Target	\$

D	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	hours	ft/hr
I											
T	6	12.25	DSJC	EW4766	2-12, 11, 9	INC	2700	4500	1800	16.00	112.
S											

1 1/4 BIT, BIT DUD, 9 1/2 COLLAR, MWD, FILTER SUB, X-0 SUB, 7 3/4 COLLAR,  
12 1/4 STAB. MWD. 7 3/4 SHORT COLLAR, 6-7 3/4 INCH TARS. X-0 SUB, X-H 1/2

PPG	Grad	Vis	PV/YF	Gels	PH	Cake	WL-API	HTHP/Temp	Mud Additions	4 CAISTOC
10.4	540	41	14 / 14	15/30	8.5	2	10.5	30.0/150	2954 BARITE	4 SODA ASH
U	Pf/MF	Pw	Cl	Ca	Sand/Solids	Oil%	MBT	Sulf.	Lime	90 GEL
D	.05/.2	0	8000	920	1/2%	8	0	15		13 MAXPAC
										7 XC POLY
										10 RESINX

OCS-Y 0871

Rig Name EXPLORER II  
 Shell Drilling Foreman FOX/GROTE  
 Present Activity DRILLING AHEAD

Elevation KB to MSL 98.4  
 Water Depth 117

Field CORONA Prog. Depth 10000 Day Number 9  
 Lease OCS-Y 871 Present Depth 4250 Est. Days 34  
 Well Number # 1 Footage Drilled 1550 Days +/- 2  
 Work Order # 266121 Size & Depth of Last Casing: 13 3/8 " @ 2655'

2.0 HRS-RIH WITH 12 1/4" BIT  
 0.5 HRS-TAG CEMENT AT 2557'-DISPLACE SEAWATER WITH 10.0 PPG MUD  
 4.0 HRS-DRILL HARD CEMENT, FLOAT COLLAR AND FLOAT SHOE  
 SUMMARY 0.5 HRS-DRILL 20' NEW HOLE (2700' TO 2720')  
 1.5 HRS-CIRCULATE-CONDUCT FORMATION LEAK OFF TEST-HAD 14.0 PPG EQUIV. M.W.  
 OF 15.5 HRS-DRILL 2720' TO 4250' ending at midnight 8/4/86

WEATHER: TEMP 8, WIND 070 AT 26 KTS, CEILING 1000, VIS 15 MI, BAR 1009.5

OPERATIONS PERSONNEL ON BOARD 100

**PROPRIETARY**

*open water?  
 no re?!*  
*John 8/3/86*

Number of Accidents Last 24 Hrs: 1 Number of Accidents Year to Date: 1  
 Pump Pressure @ Kill Speed: 600 PSI AT 50 SPM Last BOP Test: 08/03/86

Directional Surveys

Coordinates of Last Shot

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
2799	.29	78.9	3869	.90	41.31	4219	1.44	30.42
3005	.17	93.42	3933	.93	47.06			
3408	.57	26.6	4120	1.28	39.59	TVD	Sec	N / S   E / W
3687	.60	52.24	4156	1.26	43.41			

TIME | Rotating 16.00 Trips 2.00 Survey Jet  
 | Cum. Rot 50.00 D.D. C & C 0.50 Cut DL  
 (HRS) | BHA Insp 50.00 Reamg. Repair Other 5.50

COST DATA

Daily Mud \$  
 Cumulative Mud \$  
 Daily Well \$  
 Cumulative Well \$

HYDRAULIC | Liner | Stroke | SPM | GPM | PSI | HHP | AV / CV  
 DATA | 6.0 | 12 | 150 | 630 | 4100 | | /

DRILLING | Hook Load | Bit Weight | RPM | Torque | Drag Up/Dn  
 DATA | 175 | 45-55 | 175 | 6000 | /

Authorized \$  
 (+/-) Target \$

B	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
I	6	12.25	DSJC	EW4768	2-12, 11, 9	INC	2700	4500	1800	16.00	112.
S							4500				

B | 12 1/4 BIT, BIT SUB, 9 1/2 COLLAR, MWD, FILTER SUB, X-0 SUB, 7 3/4 COLLAR,  
 H | 12 1/4 STAB, MWD, 7 3/4 SHORT COLLAR, 6-7 3/4 DC'S, JARS, X-0 SUB, 3-6 1/2  
 A | COLLARS, DART SUB, 9-6 1/2 COLLARS. BHA=765.87'

	PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HTHP/Temp	Mud Additions	
M	10.1	.525	65	19 / 22	15/55	9.5	2	8.6	25.6/	741 BARITE	6 BICARB
U	Pf/Mf	Pm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime	2 SODA ASH
D	.1 / .25	.5	9000	240	1/4%	8	0	15			75 GEL
											26 MAXPAC SL
											2 X-C POLY
											17 RESINEX

AREA FILE 8 Y087 (#)

0871,  
 8-1

1.5 HRS-RELEASE DART, SHEAR TOP WIPER PLUG (3500 PSI), PUMP 10 BBL FRESH WATER FOLLOWED BY 348 BBL SEA WATER- DID NOT GET ANY RETURNS DURING MIXING AND DISPLACING OF CEMENT-DID NOT BUMP PLUG-FLOATS HELD, BLED BACK 1 1/2 BBL.-CEMENT IN PLACE AT 13:35 HRS 8-3-86

1.0 HRS-RELEASE HANGER-ENERGISE PACK OFF-TEST PACKOFF 1650 LOW & 3500 HIGH

3.0 HRS-TEST BOPE-TEST PIPE RAMS, ANNULAR PREVENTERS, CHOKE MANIFOLD AND FLOOR VALVES TO 250/3500 PSI-ALL OK

0.5 HRS-RIH AND SET WEAR BUSHING

1.0 HRS-CUT AND SLIP DRLG LINE

2.0 HRS-WOC (LAY DOWN 17 1/2 STAB & 9" COLLAR, MAKE SPARE MWD)

1.0 HRS-TEST CSG AND BLIND RAMS TO 1650 PSI FOR 30 MINUTES-OK

0.5 HRS-SERVICE BAROID TOOL-CHANGE BATTERY PACK

1.0 HRS-FINISH MAKING UP MWD

TEMP 4, ~~WIND 000 AT 10 KTS~~, CEILING UNLIMITED, VIS 15 MI, BAR 1009.0

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RECEIVED  
DCS DISTRICT OFFICE

AUG 4 1986

MINERALS MANAGEMENT SERVICE  
ANCHORAGE, ALASKA



Rig Name EXPLORER II

Elevation KB to MSL 98.4

Shall Drilling Purpose: BROWNING/GRATE

Water Depth 117

Present Activity POOH TO RUN 13 3/8" CASING

Field CORONA

Prog. Depth 10000

Day Number 7

Form NCS-Y 871

Present Depth 2700

Est. Days 34

Well Number # 1

Footage Drilled 1500

Days +/- 0

Work Order # 266121

Size & Depth of Last Casing:

20" " 1028'

SUMMARY

- 1.0 HRS-DRILL FLOAT SHOE AT 1028'
- 0.5 HRS-CLEAN OUT TO 1040'
- 0.5 HRS-CONDUCT ACCUMULATOR PERFORMANCE TEST
- 0.5 HRS-CONDUCT FORMATION BREAK OFF TEST TO EQUIVALENT MUD WT. OF 11.7 PPG
- 1.5 HRS-CLEAN OUT RAT HOLE 1040' TO 1200'
- 15.5 HRS-DRILL 1200' TO 1700'
- 0.5 HRS-CIRCULATE

RECEIVED  
DCS DISTRICT OFFICE

AUG 4 1986

OP

- 2.0 HRS-SHORT TRIP TO SHOE- HAD NUMEROUS TIGHT SPOTS THAT REQUIRED MINERALS MANAGEMENT SERVICE (MAX OVERPULL 50,000#) FROM 2100' TO 1500'-RUN BACK TO ANCHORAGE, ALASKA
- 1.5 HRS-CIRC AND COND MUD
- 0.5 HRS-POOH TO RUN 13 3/8" CSG.

WIND 8KTS @ 360, CEIL. 200', VIS. 1/4 MI. IN FOG, TEMP. 3C, BAR. 1007.6, PEOPLE ON BOARD 96, HELD H2S, FIRE AND BOAT DRILL.

Number of Accidents Last 24 Hrs: 1

Number of Accidents Year to Date: 1

Pump Pressure @ Kill Speed:

ONE DOI AT EO ODM

Last DOP Test. 08/01/86

Directional Surveys

Coordinates of Last Shot

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
1316	0.70	37.53	2141	0.49	37.93	2639	0.46	78.78
1492	0.45	28.18	2360	0.36	19.16			
1745	0.46	44.73	2488	0.57	54.17	TVD	Sec	N / S   E / W
1858	8.48	55.15	2547	8.51	53.65			

TIME	Rotating	15.50	Trips	2.00	Survey	Jet
	Cum. Rot	39.00	D.D.	C & C	2.00	Cut DL
(HRS)	BHA Insp	39.00	Reamg.	0.50	Repair	Other 4.00

HYDRAULIC	Liner	Stroke	SPM	GPM	PSI	HWP	AV / CV	Daily
DATA	N.P	12	210	1000	1000	1155	/	Cumula
								Daily
								Cumula

DRILLING	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn	Author
DATA	170000	10K	75	100	1K /1K	(/)

R	Bit	Size	Type	Serial	Jets	T R G	In	Out	Footage	Hours	Ft/Hr
I	5	17.5	DSJC	EW8822	18,2-18,12C		1028		-1028		
T											
S											

B | 17 1/2" BIT, BIT SUB W/ FLOAT, 9.5" DC, XO, 9" ANADRIL MWD W/17.5" STAB, XO,  
H | 7.75" DC, 17.5" STAB, 8" BAROID MWD, 7.75" LEAD COLLAR 10' LONG, 6-7.75" DC.  
A | 7.75" DAILEY JARS, 7.75" DC, XO, 3-6.5" DC, DART SUB, 9-6.5" DC.

PPG	Crad	Vis	PV/VT	Gels	pH	Clay	WL API	HTHP/Temp	Mud Additions		
10.5	500	80	120/120	15/70	8.4	?	80	/	CVT 80		
U	Pf/Mf	Pm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime	BICARB 4
D	.05/.15	.1	8000	1880	.75%	12	0	17.5			DRISPAC R 2
	*NOTE* NEGATIVE DAILY WELL COST BECAUSE OF BACKING OUT OF CANMAR CREDITS AFTER AUGUST 15TH.										
	MAXIPAC 14										

2.5 HRS. RIN W/ 1 1/2" DRILLING ASSEMBLY. TAGGED CEMENT AT 998'. DRILLED CEMENT TO SHOE AT 1027'.

WIND 6 KTS. @ 100 DEG, CEIL 1500', VIS. 15 MI, PREC. NONE, TEMP. 3C, BAR. 1008.3, ICE 0.3 DRIFTING AT 0.2 KTS. TO 295 DEG., 96 PEOPLE ABOARD.

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RECEIVED  
DCS DISTRICT OFFICE

AUG 4 1986

MINERALS MANAGEMENT SERVICE  
ANCHORAGE, ALASKA

EATE 08/02/86

SHELL WESTERN E&P INC DAILY DRILLING REPORT

PAGE 1 OF 2

Rig Name EXPLORER II  
 Shell Drilling Foreman BROWNING/GROTE  
 Present Activity DRILLING CEMENT

Elevation KB to MSL 38.4  
 Water Depth 117

Field CORONA	Prog. Depth 10000	Day Number 6
Lease OCS-Y 071	Present Depth 1200	Est. Days 34
Well Number # 1	Footage Drilled 0	Days +/- 0
Work Order # 266121	Size & Depth of Last Casing:	20" " @ 1028'

**SUMMARY**

7.5 HRS. MOVE ON LOCATION AND DROP #3 ANCHOR AT 00:24 HRS. (FIRST ANCHOR). DROP LAST ANCHOR AT 03:03 HRS. JUMP DIVERS. FOUND 2-3' FAIRLY HARD MUD ON PGB. RAN AIRLIFT TO CLEAN PGB. POSITIONED SHIP. RAN AND ESTABLISHED GUIDE WIRES. PUT WELLHEAD COVER ON WELL. PULLED GUIDELINE RUNNING TOOL OUT OF WATER. PULLED AIRLIFT. PGB CLEAN.

6.5 HRS. STARTED RUNNING BOP. PULLED WELLHEAD COVER. RAN BOP. STROKED OUT SLIP JOINT. CONNECT KILL AND CHOKE LINES.

2.0 HRS. STOP BOP 4' ABOVE PGB. JUMP DIVERS. ALL OK. LAND STACK. LATCH H4 CONNECTOR. TOOK OVERPULL OF 30000 LBS. OK. INSTALL DIVERTER LOCK-DOWN. OVERPULL 20000 LBS. OK.

5.5 HRS. TESTED CASING AND BLIND RAMS TO 500 PSI. OK. RAN BOP TEST PLUG. TESTED BOP COMPONENTS TO 1000 PSI. OK. TESTED CHOKE MANIFOLD AND FLOOR EQUIPMENT. OK.

Number of Accidents Last 24 Hrs: 1      Number of Accidents Year to Date: 1  
 Pump Pressure @ Kill Speed:      Last BOP Test: 08/01/86

Directional Surveys				RECEIVED OCS DISTRICT OFFICE			Coordinates of Last Shot		
Depth	Angle	Direction	Depth	Angle	Direction	N D	Angle	Direction	
AUG 4 1986									
MINERALS MANAGEMENT SERVICE ANCHORAGE, ALASKA						TVD	Sec	N / S   E / W	

TIME	Rotating	0.50	Trips	2.00	Survey	Jet	
	Cum. Rot	29.50	D.D.		C & C	Cut DL	
(HR)	BHA Insp	00.00	Reag.		Repair	Other \$1.50	Daily M Cumulat:

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV	Daily W Cumulat:
	6.0	12	201				/	

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag. Up/Dn	Authoriz (+/-) T
	170000	10K	75	100	1K /1K	

B	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
1											
T	5	17.5	DSJC	EW6822	18.2-16,12C		1028		-1028		
S											

B | 17 1/2" BIT, BIT SUB W/ FLOAT, 9.5" DC, XO, 9" ANADRIL MWD W/17.5" STAB, XO,  
 H | 7.75" DC, 17.5" STAB, 8" BAROID MWD, 7.75" LEAD COLLAR 10' LONG, 6-7.75" DC,  
 A | 7.75" DAILEY JARS, 7.75" DC, XO, 3-6.5" DC, DART SUB, 9-6.5" DC.

PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	MTHP/Temp	Mud Additions	
10.8	RR1	A7	20/30	1R/3A	11.5	2	10.0	/	NONE	
U	Pf/Mf	Pm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime
D	1.5/3.0	.9	9000	1240	0 %	8	0	20		

Rig Name EXPLORER II  
 Shell Drilling Foreman BROWNING/GROTE  
 Present Activity PREPARING TO RUN ANCHORS

Elevation KB to NSL 38.4  
 Water Depth 117

Field CORONA Prog. Depth 10000 Day Number 5  
 Lease OCS-Y 871 Present Depth 1200 Est. Days 34  
 Well Number # 1 Footage Drilled -0- Days +/- 0  
 Work Order # 266121 Size & Depth of Last Casing: 20" " 1028'

1.0 HR. PULLING ANCHORS. LAST ANCHOR UP AT 00:49 HRS.  
 12.0 HRS. WAITING ON ICE. (L/D BIT, UNDERREAMER, AND ANADRIL MWD. L/D DP.  
 MADE UP NEW 17 1/2" BHA. REMOVED AIR LIFT HOSES.)  
 SUMMARY 11.0 HRS. WAITING ON ICE. (CHANGED BATTERY PACK IN BAROID MWD TOOL. REPAIR  
 MUD PUMPS. LAY DOWN AIRLIFT. RENEW HOSES ON BJ SYSTEM IN DERRICK.  
 OF P/U 2 STANDS OF RIG HWDP AND STAND IN DERRICK. GEN. RIG MAINT.

NOTED

OPERATIONS

**PROPRIETARY**

AUG 01 1986

WIND 5 KTS. @ 120 DEG, CEIL. 1500' BRKN, VIS. 15 MI, TEMP. 2.0C, PREC. NONE,  
 BAR. 1009.3, ICE COVERAGE 0.4 MOVING EASTERLY 0.3 KTS. PEOPLE ABOARD 100.

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: 0  
 Pump Pressure @ Kill Speed: Last BOP Test: 07/26/86

Directional Surveys

Coordinates of Last Shot

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
						TVD	Sec	N / S E / W

TIME | Rotating | Trips | Survey | Jet  
 | Cum. Rot | 23.00 D.D. | C & C | Cut DL  
 (HRS) | BHA Insp | 23.00 Reang. | Repair | Other 24.00

Daily M  
 Cumulat:  
 Daily W  
 Cumulat:

HYDRAULIC | Liner | Stroke | SPM | GPM | PSI | HHP | AV / CV  
 DATA | 6.0 | 12 | | | | | /

DRILLING | Hook Load | Bit Weight | RPM | Torque | Drag Up/Dn  
 DATA | | | | | /

Authori:  
 (+/-) T

B	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
I									0		

B  
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PPG | Grad | Vis | PV/YP | Gels | pH | Cake | WL-API | HTHP/Temp | Mud Additions  
 10.6 | .551 | 68 | 21 / 31 | 15/38 | 11.5 | 2 | 10 | / | 618 BAR  
 U | Pf/Mf | Pm | Cl | Ca | Sand | Solids | Oil% | MBT | Sulf. | Line  
 D | 1.5/3.0 | .9 | 9000 | 240 | NIL% | 8 | 0 | 20.0 |

DISTRICT FILE

8

Y0871 #()

DATE 07/31/86

SHELL WELLSERV INC DAILY DRILLING REPORT

Rig Name EXPLORER II  
Shell Drilling Foreman BROWNING/WELLS  
Present Activity PULLING ACTIONS

Elevation KB to MSL 38.4  
Water Depth 117

PRIVATE & CONFIDENTIAL  
PROPRIETARY

Field CORONA  
Lease OCS-Y 871  
Well Number # 1  
Work Order # 266121

Prog. Depth 10000  
Present Depth 1200  
Footage Drilled 125  
Size & Depth of Last Casing:

Day Number 4  
Est. Days 34  
Days +/- 0  
20" " 0 1028'

SUMMARY OF OPERATIONS  
1.5 HRS FINISH UNDERREAMING HOLE F/1075' T/1200'.  
2.0 HRS CHECK F/FLOW, NONE. SHORT TRIP TO TD W/ NO PROBLEMS (NO FILL).  
1.0 HRS CIRC/COND F/BGT LOG & CSG. LEFT 10.4 PPG MUD IN HOLE.  
1.5 HRS CHECK F/FLOW, NONE. SLM OUT OF HOLE. NO CHANGE.  
1.5 HRS RIG UP SCHLUMBERGER AND LOG BOREHOLE GEOMETRY TOOL (BGT)  
4.5 HRS FOUND HOLE UNDER GAUGE FROM 1060 TO 1200: GOT MMS OK TO SET 20" AT 1028. DISPLACE RISER'S MUD WITH SEAWATER AND PULL/LAY DOWN RISER.  
5.0 HRS RIG/RAN 884' OF 20" 133# X-56 CSG TO 1028' @SHOE. RAN 812' OF 5" DP STINGER, PICKED UP/RAN RUNNING TOOL/HWDP. LATCH-UP, PULLED 30K, OK.  
2.0 HRS RIG/TEST T/1500 PSI CMT LINES, PUMPED 50 BBLs FRESH WATER AHEAD OF 1665 SX PERMAFROST CMT AT 14.7 PPG, USED 170 BBLs MIX WATER. TAIL WAS 600 SX PERMAFROST CMT AT 13.6 PPG, USED 45 BBLs MIX WATER. HAD CEMENT RETURNS IN AIRLIFT LINES WHILE PUMPING LAST 600SX CMNT.

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: 0  
Pump Pressure @ Kill Speed: Last BOP Test: 07/26/86

Directional Surveys | Coordinates of Last Shot  
Table with columns: Depth, Angle, Direction, M D, Angle, Direction. Includes handwritten notes: RECEIVED DISTRICT OFFICE, JUL 31 1986, MINERALS MANAGEMENT SERVICE ANCHORAGE, ALASKA / W.

TIME | Rotating | 1.50 Trips | 13.00 Survey | Jet  
| Cum. Rot | 23.00 D.D. | C & C | 2.00 Cut DL  
HRS | BHA Insp | 23.00 Reang. | 1.50 Repair | Other | 6.00 | Daily | Cumula'

HYDRAULIC DATA | Liner | Stroke | SPM | GPM | PSI | HHP | AV / CV | Daily | Cumula'

DRILLING DATA | Hook Load | Bit Weight | RPM | Torque | Drag Up/Dn | Author (+/-)

Table with columns: Bit, Size, Type, Serial, Jets, T.B.G., In, Out, Footage, Hours, Ft/Hr

BIT #4-UR-XO-9.5"DC-ANADRILL MWD-FILTER SUB-XO-7.75"DC-STAB-BARIOD MWD-PONY  
COLLAR-6 7.75"DC-JARS-1 7.75"DC-XO-12 6.75"DC. TOTAL BHA 773.33' (WT. 80K)

Table with columns: PPG, Grad, Vis, PV/YP, Gels, pH, Cake, WL-API, HTHP/Temp, Mud Additions, CAUSTIC, DRISPAC, Pi/MI, Pm, Cl, Ca, Sand, Solids, Oil%, MBT, Sulf., Lime, TECHSPERS, SALT, SODA ASH

DISTRICT FILE # 8  
YOS71#

DISPLA W/80 DBLS OF 10.4 PPG MUD. CHECK FOR BACK FLOW, NONE.  
CIP AT 2905 HRS 07/30/86.

- 2.0 HRS RIG DOWN CMT LINES, BACK OUT RUNNING TOOL. POH W/STINGER TO WELL HEAD. PUT BOTH PUMPS ON AND WASH UP WELLHEAD. RIG DN, POH.
- 1.0 HRS JUMP DIVERS TO INSTALL 80" CSG PROFILE PROTECTOR AND CHECK FOR "CLEAN PGB". WAS CLEAN.
- 2.0 HRS PULLED BOTH AIR LIFTS, RECOVERED WELLHEAD COVER, PULL ALL 4 GUIDE LINES. PULLED FIRST SHIP ANCHOR AT 2318 HRS. KIGORIAK WORKING LARGE ICE FLOE TO THE WNW OF SHIP. SECOND LARGE FLOE FOLLOWING CLOSE BEHIND. ICE RECONN WITH ICE BREAKERS INDICATES AT LEAST 12 MILES OF LARGE FLOES TO THE WNW OF CORONA.

2000' CEILING, VIS 15, TEMP 6C, WIND 200 KTS AT 22 KTS WLLIBARS 1005.5  
ROBERT LEMEUR RETURNED TO TUK FOR REPAIRS. REPLACED BY KIGORIAK.  
ONBOARD: 103.

**PRIVATE & CONFIDENTIAL**

**PROPRIETARY**

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RECEIVED  
Anchorage, Alaska

JUL 31 1986

REGIONAL SUPERVISOR  
FIELD OPERATION  
MINERALS MANAGEMENT SERVICE

AREA FILE \_\_\_\_\_

Rig Name EXPLORER II Elevation KB to MSL 35.4  
 Shell Drilling Foreman BROWNING/WELLS Water Depth 117  
 Present Activity UNDERREAMING AHEAD

Field CORONA Prog. Depth 10000 Day Number 3  
 Lease OCS-Y 871 Present Depth 1075 Est. Days 34  
 Well Number # 1 Footage Drilled 498 Days +/- 0  
 Work Order # 266121 Size & Depth of Last Casing: 30" " @ 383'

4.5 HRS DRLG F/702' T/1200'.  
 4.5 HRS CHECK F/FLOW, NONE. POH F/BHA. LAY DN 12 1/4" BIT, MAKE-UP 26"  
 ROTARY OIL TOOLS UNDER REAMER W/17 1/2" BIT STRAP WELDED BELOW.  
 SUMMARY FUNCTION CHECK UR @ SURF F/PROPER OP, OK. TIH W/UR ASSMY T/384'.  
 10.5 HRS UNDERREAMING F/384' T/1009' W/BIT #4 AND UR.  
 OF 3.0 HRS CHECK F/FLOW, NONE. POH, REPLACE UR ARMS/CONES, TIH.  
 1.5 HRS UNDERREAMING F/1009' T/1075' W/BIT #4 AND UR.

OPERATIONS 3000' CELING, VIS 15 MILES, TEMP 4.2C, WIND 140 DEG @ 10 KTS, 102 ABOARD.

Received  
 OCS District Office

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: 0  
 Pump Pressure @ Kill Speed: Last BOP Test: 07/26/86

Directional Surveys

Coordinates of Last Shot

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
						TVD	Sec	N / S   E / W

TIME	Rotating	4.50 Trips	7.50 Survey	Jet
(HRS)	Cum. Rot	21.50 D.D.	C & C	Cut DL
	BHA Insp	21.50 Reang.	12.00 Repair	Other 0.00

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV
	6.0	12	200	865	2500		/

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn	Author
	175K	10-15	120-150	100 AMPS	/	(+/-)

B I T	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
T	3	12 1/4	DS-CJ	EW6971	2-16,1-18	2-4-1	412	1200	788	9.60	82.9
S	4	17 1/2	DS-J	EW1212	2-16,1-18	INC	384	INC	-384	12.00	-32

B H A BIT #4-UR-XO-9.5"DC-ANADRILL MWD-FILTER SUB-XO-7.75"DC-STAB-BARIOD MWD-PONY  
 COLLAR-6 7.75"DC-JARS-1 7.75"DC-XO-12 6.75"DC. TOTAL BHA 773.33' (WT. 80K)

M U D	PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HHP/Temp	Mud Additions	
M	10.3	.335	64	16 /32	27/34	9.5	3	22.6	/	400 BARITE	
U	Pf/Mf	Pm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime	96 GEL
D	.4 / .8	.5	24000	800	1 %	12	0	25			89 SALT
											2 CAUSTIC
											2 SODA ASH

DISTRICT FILE



Rig Name EXPLORER II

Elevation KB to MSL 38.4

Shell Drilling Foreman BROWNING/WELLS

Water Depth 117

Present Activity GIH WITH 26" BIT

Field CORONA

Prog. Depth 10000

Day Number 1

Lease OCS-Y 871

Present Depth 388'

Est. Days 34

Well Number # 1

Footage Drilled 0

Days +/- 0

Work Order # 266121

Size & Depth of Last Casing:

30" " 383'

SUMMARY

8.5 HRS PULL AIRLIFTS CLEAR OF MUDLINE. TENSION ANCHORS. (4 ANCHOR SPREAD) JUMP DIVER TO CHECK PROGRESS. ESTABLISH #2 & #3 GUIDE WIRES. RE-POSITION SHIP TO BETTER CLEAN AROUND GUIDE POST #1 & #4.

9.0 HRS JET/AIRLIFT GLORY HOLE

1.5 HRS JUMP DIVER TO CHECK PROGRESS. ESTABLISH #1 & #4 GUIDE WIRES.

2.0 HRS JET/AIRLIFT GLORY HOLE.

.5 HRS POH, LAY DN JET. MAKE-UP/RUN 8 1/2" BIT ON DP. (3-12'S JETS)

5.0 HRS JET, (USING BIT) AIRLIF GLORY HOLE.

OPERATIONS

1.5 HRS JUMP DIVER, PGB/ALL POST CLEAR OF FILL. PULLED 30" HOLE COVER.

1.0 HRS POH W/8 1/2" BIT. TIH W/26" BIT TO CLEAN OUT 30" CASING.

WIND 5KTS. @ 320 DEG, CEIL. 1000'. VIS. 10 MI. LIGHT RAIN, TEMP. 2C.

BAR. 1014.2, PEOPLE ABOARD 82.

\*\*\*TODAYS HIGH COST REFLECTS 45 DAYS RIG RATE PAYMENT TO CANMAR. \$25250000.

Number of Accidents Last 24 Hrs: 0

Number of Accidents Year to Date: 0

Pump Pressure @ Kill Speed:

Last BOP Test: 07/26/86

Directional Surveys

Coordinates of Last Shot

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
						TVD	Sec	N / S / E / W

TIME (HRS)	Rotating Cum. Rot BHA Insp	Trips D.D. Reang.	Survey C & C Repair	Jet Cut DL Other	24.00

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV
	6.0	12					/

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn
					/

B I T S	Bit	Size	Type	Serial	Je Receiver	T.B.G.	In	Out	Footage	Hours	Ft/Hr
					OCS District Office				0		

Minerals Management Service Anchorage, Alaska

PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HTHP/Temp	Mud Additions		
10.4	1.540	41	10 / 22	18 / 22	11				70 SX GEL		
	Pf/Mf	Pm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime	2 SX CAUSTIC
.9 / 2.0	1.9	28500	280	0 %							2 SX SODAASH

BUILT 200 MORE BBLs OF SPUD MUD.

Rig Name EXPLORER II  
Shell Drilling Foreman BROWNING/WELLS  
Present Activity AIR LIFTING GLORY HOLE

Elevation KB to MSL 38.4  
Water Depth 117

Field CORONA Prog. Depth 10000 Day Number 0  
Lease OCS-Y 871 Present Depth 386' Est. Days 34  
Well Number # 1 Footage Drilled 0 Days +/-  
Work Order # 286121 Size & Depth of Last Casing: 30" " 383'

6.0 HRS. STEAMING TO CORONA LOCATION. ARRIVE NEAR LOCATION AT 12 NOON. MANY  
LARGE FLOES IN AREA. MIXED 900 BBLs. OF HI-VIS MUD AFTER RIG GOT  
IN DEEPER WATER. TESTED BOP ON STUMP.  
SUMMARY 11.0 HRS. MOVED ON LOCATION & SET #7 ANCHOR @ 20:07 HRS. SET ANCHORS 6,9,&2.  
HEADING N82E. INSPRCT GLORY HOLE W/MINI-ROV. HAD 5' TO 10' OF FILL.  
OF 1.0 HRS. RIGGED & RAN 2 AIR-LIFTS. (OUTSIDE OF BEAMS)  
6.0 HRS. CLEANING GLORY HOLE W/AIR-LIFTS.

OPERATIONS

WIND 3 KTS. @ 280 DEG, CEIL. 500', VIS. 3 MI. W/ FOG IN THE DISTANCE,  
TEMP. 3C, BAR. 1018.3. PEOPLE ON BOARD 82.

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: 0  
Pump Pressure @ Kill Speed: Last BOP Test: 07/26/86

Directional Surveys

Coordinates of Last Shot

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
						TVD	Sec	N / S E / W

TIME	Rotating	Trips		Survey		Jet	
(HRS)	Cum. Rot	D.D.	C & C	C & C	Cut DL		
	BHA Insp	Reamg.	Repair		Other	24.00	

Daily Cumula  
Daily Cumula

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV
	8.0	12					/

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn	Author
					/	(+/-)

B	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
---	-----	------	------	--------	------	--------	----	-----	---------	-------	-------

Received  
OCS District Office

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JUL 30 1986

	PPG	Grad	Vis	PV/YP	Gels	pH	Clay	ML-API	HTHP/Temp	Mud Additions
M	10.6	.551	55	10 / 42	28 /	10.5			/	BAR 835
U	Pf/Mf	Pm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Line
D	.7 / 1.6	1.6	38000	460	0 %		0	20		

GEL 511  
CAUSTIC 15  
SODA ASH 15  
SALT 96

Management Service  
Anchorage, Alaska

FILE

Rig Name EXPLORER II  
Shell Drilling Foreman BROWNING/WELLS  
Present Activity ENROUTE TO LOCATION

Elevation KB to MSL 38.4  
Water Depth 117

Field CORONA Prog. Depth 10000 Day Number 0  
Lease OCS-Y 871 Present Depth 386' Est. Days 34  
Well Number # 1 Footage Drilled 0 Days +/-  
Work Order # 286121 Size & Depth of Last Casing: 30" " 383'

**SUMMARY**  
11.8 HRS. ANCHORED OUT IN THE WINTER STORAGE AREA DOING PRESEASON MAINTENANCE. WAITING ON ICE. MADE HELICOPTER ICE RECON FLIGHT. THERE WAS STILL A 9/10THS COVERAGE OF ICE FOR THE FIRST FIFTEEN MILES OF THE PATH TO CORONA. HOWEVER, THE REST OF THE DISTANCE HAD ONLY SCATTERED FLOES OF FROM 0.3 TO 0.7 COVERAGE. THE REQUIRED HULL SURVEYS FOR THE EXPLORER II AND THE ROBERT LEMEUR WERE MADE. THE RIG PULLED ANCHOR AND HEADED FOR CORONA AT 16:35 HRS.

**OPERATIONS**  
12.5 HRS. UNDER TOW TO CORONA. LOCATION AT 05:00 HRS. IS LAT 70 20 22.9N, LON 146 22 47.9W. SPEED IS 4.3 KTS. ETA IS ABOUT NOON.

WIND CALM, CEIL. 7000', VIS. 15 MI, PREC. RAIN, TEMP. 6.0C, BAR. 1009.6, PEOPLE ABOARD 79.

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: 0  
Pump Pressure @ Kill Speed: Last BOP Test: 07/01/86

Directional Surveys						Coordinates of Last Shot			
Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction	
						TVD	Sec	N / S E / W	

TIME (HRS)	Rotating Cum. Rot BHA Inap	Trips D.D. Reamg.	Survey C & C Repair	Jet Cut DL Other	24.00
					Daily
					Cumulat

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV
	6.0	12					/

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn	Author
					/	(+/-) 1

B I T	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
										0	

Received  
ESS District Office

JUL 28 1986

M U D	PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HTHP/Temp	Mud Additions	Service
	10			/	/				/	NONE	Management Anchorage, Alaska
	Pf/Nf	Pm	Cl	Ca	Sand	Solids	Oil	MBT	Sulf.	Line	
	/				%			-			

Rig Name EXPLORER 11

Shell Drilling Foreman BROWNING

Present Activity WINTERIZING RIG

CONFIDENTIAL

Elevation KB to MSL 38.4

Water Depth 117

Field CORONA

Lease OCS-Y 871

Well Number # 1

Work Order # 266121

Prog. Depth 10000

Present Depth 396'

Footage Drilled 0

Size & Depth of Last Casing: 30" 0

Day Number

Est. Days

Days +/-

30" 0 383'

SUMMARY

OF

4.5 HRS. ANCHORED OUT IN THE WINTER STORAGE AREA. MADE OVER-FLIGHT OVER CORONA. NO CHANGE. STILL NEARLY 10/10THS COVERAGE OF OLD ICE. A FEW VERY NARROW CRACKS IN THE ICE BUT THEY ARE MOSTLY FROZEN OVER. REPORTED OIL SPILL TO LEGG AND MMS. SPILLED SMALL AMOUNT OF DIESEL OIL OVERBOARD ONTO ICE. TANK OVERFLOWED THROUGH VENT WHILE TRANS-FERRING FUEL. ALL CLEANED UP BY PUMPING AND SORBENT PADS. ACTUALLY NO OIL GOT INTO THE SEA.

OPERATIONS

19.5 HRS. RIG RELEASED FOR WINTERIZING AT 10:30AM, 10/31/85. STARTED PRE-PARING RIG FOR WINTER STORAGE.

WEATHER: WIND GUSTS AT 10:00PM -200. CIEL 800', VIS 5MI, BAR 1021.0. THE ICE IS 10/10THS 2" THICK, AND HAS NO MOVEMENT AT OUR PRESENT LOCATION.

Number of Accidents Last 24 Hrs: 0

Number of Accidents Year to Date:

Pump Pressure & Kill Speed:

Last BOP Test: 10/11/85

Directional Surveys

Coordinates of Last Shot

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
						TVD	Sec	N / S / E / W

TIME (HRS)	Rotating	Trips	Survey	Jet
	11.00	D.D.	C & C	Cut DL
	BHA Insp	Reang.	Repair	Other 24.00

COST DATA

HYDRAULIC DATA	Linear	Stroke	SPM	GPM	PSI	HHP	AV / CV
	6.5	12					/

Daily Mud	\$
Cumulative Mud	\$
Daily Well	\$
Cumulative Well	\$

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn
					/

Authorized	\$
(+/-) Target	\$

B I	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
									0		

B I  
H I  
A I

RECEIVED  
OCS DISTRICT OFFICE

M U D	PPG	Grad	Vis	PV/YF	Gels	pH	Cake	W-L-APII	HTH-F/Temp	Mud Additions
	10									NONE

NOV 1 1985  
MINERALS MANAGEMENT SERVICE  
ANCHORAGE, ALASKA







Rig Name EXPLORER II Elevation KB to MSL 38.4  
 Shell Drilling Foreman BROWNING/ROT Water Depth 117  
 Present Activity WAIT ON ICE BEHIND MCCLURE IS. **CONFIDENTIAL**  
 Field CORONA Prog. Depth 10000 Day Number \_\_\_\_\_  
 Lease OCS-Y 871 Present Depth 386' Est. Days \_\_\_\_\_  
 Well Number # 1 Footage Drilled 0 Days +/- \_\_\_\_\_  
 Work Order # 266121 Size & Depth of Last Casing: 30" @ 383'

24 HRS ANCHORED OUT IN THE WINTER STORAGE AREA.

Received  
OCS District Office

SUMMARY

OCT 28 1985

OF

Minerals Management Service  
Anchorage, Alaska

OPERATIONS

WEATHER: WIND 10-20 KTS, 220 DIR, SCAT CLOUDS, 15 AMPL BAR, 1026.2, ICE  
CONCENTRATION 10, NO ICE WITHIN 10 MILES AT OUR PRESENT LOCATION.  
LOCATION: \_\_\_\_\_

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: \_\_\_\_\_  
Pump Pressure @ Kill Speed: \_\_\_\_\_ Last BOP Test: 10/11/85

Directional Surveys

Coordinates of Last Shot

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
						TVD	Sec	N / S / E / W

TIME | Rotating \_\_\_\_\_ Trips \_\_\_\_\_ Survey \_\_\_\_\_ Jet \_\_\_\_\_  
 | Cum. Rot 11.00 D.D. \_\_\_\_\_ C & C \_\_\_\_\_ Cut DL \_\_\_\_\_  
 (HRS) | BHA Insp \_\_\_\_\_ Reams. \_\_\_\_\_ Repair \_\_\_\_\_ Other 24.00

COST DATA

Daily Mud \$ \_\_\_\_\_  
 Cumulative Mud \$ \_\_\_\_\_  
 Daily Well \$ \_\_\_\_\_  
 Cumulative Well \$ \_\_\_\_\_

HYDRALLIC | Liner | Stroke | SPM | GPM | PSI | H-P | AV / CV  
 DATA | 6.5 | 12 | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ / \_\_\_\_\_

DRILLING | Hook Load | Bit Weight | RPM | Torque | Drag Up/Dn  
 DATA | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ / \_\_\_\_\_

Authorized \$ \_\_\_\_\_  
 (+/-) Target \$ \_\_\_\_\_

B	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
I											
T									<u>0</u>		
S											

B | \_\_\_\_\_  
 H | \_\_\_\_\_  
 A | \_\_\_\_\_

M	PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-AP	HTHP/Temp	Mud Additions
M	<u>0</u>									NONE
U	Pf/Mf	IPm	Cl	Ca	Sand	Solids	Oil%	IMBT	Sulf.	Lime
D										

R's Name EXPLORER II

Elevation KB to MSL 38.4

Shell Drilling Foreman BROWNING/ROTH

Water Depth 117

Present Activity WAIT ON ICE BEHIND MCCLURE 15.

CONFIDENTIAL

Field CORONA

Prog. Depth 10000

Day Number

Lease OCS-Y 871

Present Depth 386'

Est. Days

Well Number # 1

Footage Drilled

Days +/-

Work Order # 266121

Size & Depth of Last Casing:

30" " a 383'

SUMMARY

OF

OPERATIONS

24.0 HRS. ANCHORED OUT IN THE WINTER STORAGE AREA MADE OVERFLIGHT TO CORONA. ICE THERE IS WORSE THAN YESTERDAY. THIS FLIGHT ALSO FLEW OVER TO THE ... BOTH OF WHICH WERE STUCK IN THE ICE NEAR BARTER ISLAND. THE HELICOPTER STEERED THE ICEBREAKER TO BETTER ICE AND HE GOT FREE. AT DARK THEY WERE STILL MOVING SLOWLY. BARTER'S ICE IS PRESSURED AND ... ICE. IT IS 2' THICK IN PLACES. THE ROBERT LEMELR STARTED TO CORONA BUT THE TRIP WAS CANCELLED BECAUSE OF THE DANGER OF HIS GETTING STUCK IN THE ICE.

WEATHER: WIND ... -20.4C, CEIL 6500', VIS 10MI, BAR 1029.2, ICE ... LOCATION.

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: Last BOP Test: 10/11/85

Table with columns: Directional Surveys, Coordinates of Last Shot, Depth, Angle, Direction, M D, Angle, Direction, TVD, Sec, N/S/E/W

Table with columns: TIME, Rotating, Trips, Survey, Jet, COST DATA, Cum. Rot, BHA Insp, Reams, Repair, Other

Table with columns: HYDRAULIC DATA, Liner, Stroke, SPM, GPM, PSI, HHP, AV / CV, Daily Mud, Cumulative Mud, Daily Well, Cumulative Well

Table with columns: DRILLING DATA, Hook Load, Bit Weight, RPM, Torque, Drag Up/Dn, Authorized, Target

Table with columns: B, Bit, Size, Type, Serial, Jets, T.B.G., In, Out, Footage, Hours, Ft/Hr

B H A Received OCS District Office

Table with columns: PPG, Grad, Vis, PU/YP, Geis, pH, Cake, API, HT-P/Temp, Mud Additions, Ft/Mf, Pm, Cl, Ca, Sand, Solids, Oil, MBT, Sulf, Lime, Minerals Management Service, Anchorage, Alaska

25 OCT 14 45  
6306047

SHELL WESTERN E&P INC DAILY DRILLING REPORT

MAIL [REDACTED]

Well Name EXPLORER II  
 Drilling Company BROWNING/ROTH  
 Present Activity WAIT ON ICE BEHIND MCCLURE 15

Elevation KB to MSL 38.4  
 Water Depth 117

**CONFIDENTIAL**

Well CORONA  
 Lease OXY-B/1  
 Well Number # 1  
 Work Order # 266121

Prog. Depth 10000  
 Present Depth 300  
 Footage Drilled 0  
 Size & Depth of Last Casing:

Day Number  
 Days +/-  
 30" " @ 353

SUMMARY

24 HRS ANCHORED OUT IN THE WINTER STORAGE AREA. THE ICE IN THIS AREA IS 1 1/4 FEET THICK. MADE OVERFLIGHT TO THE CORONA SITE. THE ICE AT CORONA IS THICKLY IN [REDACTED]. THE LARGE FLOOD ARE JUST NORTH OF THE LOCATION AND COVERAGE IS STILL 7/16 INCH. A STAR FLIGHT FILM WHICH CAME IN ON THE CREW CHANGE PLANE CONFIRMED THIS PICTURE. THE KGORAC WENT TO THE SCENE, TOP, AND VERIFIED THE ICE THICKNESS. WE CANNOT WORK THERE. THE KGORAC WAITED JUST TO THE SOUTH OF CORONA FOR SUPPLIER. THEY DEPARTED FOR TLK AT 21:00 HRS.

OPERATIONS

WEATHER [REDACTED] TEMP -20C, WIND 10MPH, VIS 10MI, BAR 1015.5, ICE [REDACTED] AT [REDACTED] LOCATION

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: [REDACTED]  
 Pump Pressure @ Kill Speed: [REDACTED] Last BOP Test: 10/11/85

Directional Surveys						Coordinates of Last Diet		
Depth	Angle	Direction	Depth	Angle	Direction	MD	Angle	Direction
						TVD	5cc	N / S / E / W

TIME | Rotating | Trips | Survey | Jet |  
 | Cum. Rot | 11.00 D.D. | C & C | Cut DL |  
 (HRS) | BHA Insp | Reamq. | Repair | Other | 24.00

LOG DATA Received  
 OCS District Office  
 Daily Mud \$  
 Cumulative Mud \$  
 Daily Well OCT 25 1985  
 Cumulative Well \$

HYDRAULIC | 6.5 | 12 |  
 DATA | | |

DRILLING | Hook Load | Bit Weight | RPM | Torque | Drag Up/Dn |  
 DATA | | | | | |

Minerals Management Service  
 (+/-) T Anorage, Alaska

A	Rit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
I											
T											
S											
B											
II											
A											

M	PPS	Grad	Vis	PV/WP	Gels	PH	Ca	FWL	API	THP/Temp	Mud Additions
U	ID										NONE
S	Pt/Mt	IPm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Line	

DATE 10/24/85

WESTERN E&P INC. DAILY DRILLING REPORT

PAGE 1 OF 2

2900

Rig Name EXPLORER II

Shell Drilling Foreman BROWNING/ROTH

Present Activity WAIT ON ICE BEHIND MCCLURE 15.

Elevation KB to MSL 38.4

Water Depth 117

CONFIDENTIAL

Field CORONA

Prog. Depth 10000

Day Number

Lease OCS-Y 871

Present Depth 386'

Est. Days

Well Number # 1

Footage Drilled 0

Days +/-

Work Order # 266121

Size & Depth of Last Casing:

30" 383'

24.0 HRS. MOVED RIG TWO MILES AND ANCHORED OUT IN THE WINTER STORAGE AREA. THE ICE IN THIS AREA IS 1 1/4 FEET THICK. MADE OVER FLIGHT TO THE CORONA SITE, THEN 40 MILES NORTH, THEN TO BELCHER, BACK TO CORONA, THEN RETURNED TO DEADHORSE. THE ICE MAP MADE FROM THIS FLIGHT WAS VERY LITTLE DIFFERENT. THERE IS STILL MASSIVE ICE AT ALL LOCATIONS AND THERE IS VERY LITTLE REASON TO BELIEVE THAT THE WORSENING ICE TREND WILL REVERSE. STARTED LAYING DOWN BHA IN PREPARATION FOR THE CESSATION OF OPERATIONS. WHEN ASKED IF HE WOULD TAKE THE EXPLORER II OUT AGAIN, THE CAPTAIN SAID HE WOULD NOT UNDER THESE CONDITIONS. THE HOLE IN THE BOW OF THE EXPLORER II WAS TEMPORARILY REPAIRED.

WEATHER: WIND 7 KTS, TEMP -16C, CEIL 1500', VIS 15M, BAR 1005.8, ICE CONCENTRATION 25% WITH NO MOVEMENT AT OUR PRESENT LOCATION.

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: \_\_\_\_\_  
 Pump Pressure @ Kill Speed: \_\_\_\_\_ Last BOP Test: 10/11/85

Directional Surveys

Coordinates of Last Shot

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
						TVD	Sec	N / S   E / W

TIME | Rotating \_\_\_\_\_ Trips \_\_\_\_\_ Survey \_\_\_\_\_ Jet \_\_\_\_\_  
 | Cum. Rot 11.00 D.D. \_\_\_\_\_ C & C \_\_\_\_\_ Cut DL \_\_\_\_\_  
 (HRS) | BHA Insp \_\_\_\_\_ Reams. \_\_\_\_\_ Repair \_\_\_\_\_ Other 24.00

COST DATA  
 Received  
 OCS District Office  
 Daily Mud \$ \_\_\_\_\_  
 Cumulative Mud \$ \_\_\_\_\_  
 Daily Well \$ \_\_\_\_\_  
 Cumulative Well \$ \_\_\_\_\_

HYDRAULIC | Liner | Stroke | SPM | GPM | PSI | HP | AV / CV |  
 DATA | 6.5 | 12 | | | | | | / |

OCT 24 1985  
 Mineral Management Service  
 Anchorage, Alaska

DRILLING | Hook Load | Bit Weight | RPM | Torque | Drag Up/Dn |  
 DATA | | | | | | / |

B	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
1											
T											
S											

B | \_\_\_\_\_  
 H | \_\_\_\_\_  
 A | \_\_\_\_\_

M	PPG	Grad	Vis	PV/YF	Gels	pH	Clake	WL-API	HT-P/Temp	Mud Additions
	0									NONE
U	Pt/Mt	IPm	Cl	Ca	Sand	Solids	Oil	MBT	Sulf.	Lime
D										

Rig Name EXPLORER II  
Shell Drilling Foreman BROWNING/WILLOUGHBY  
Present Activity WAIT ON ICE BEHIND MCCLURE IS.

Elevation KB to MEL 38.4  
Water Depth 117

CONFIDENTIAL

Field CORONA Prog. Depth 10000 Day Number  
Lease OCS-Y 871 Present Depth 386' Est. Days  
Well Number # 1 Footage Drilled 0 Days +/-  
Work Order # 266121 Size & Depth of Last Casing: 30" " a 363'

Received by CS District Office MARY  
OPERATIONS OCT 23 1985

24 HRS. WAIT ON ICE AND WEATHER. COULD NOT FLY RECON FLIGHT BECAUSE OF WEATHER BELOW ERA FLIGHT MINIMUMS. CONTACTED KGORIAK ICEBREAKER JUST AFTER HE CROSSED THE INTERNATIONAL BOUNDRY AND ASK HIM TO OBSERVE THE ICE AT BELCHER AND CORONA ON HIS WAY TO THE EXPLORER II AND CONFIRM THE ICE MAP FOR 9PM, 10-21-85, WHICH WE HAD UPDATED TO 11AM 10-22-85. THE CAPTAIN SAW 10/10THS MULTI/YEAR ICE AT BELCHER AND TOLD US TO "FORGET IT". THAT AGREED ALMOST EXACTLY WITH WHAT OUR UPDATED ICE MAP WAS TELLING US. HE REPORTS 10/10THS COVERAGE AT CORONA (8/10THS 1ST/YR W/ RIDGING AND 2/10THS 2ND/YR). BARTER HAS A MODERATE COVERAGE OF 2ND/YR ICE FLOES.  
WEATHER: WIND 24KTS AT 250, TEMP -10.8C, CEIL 500', VIS 3MI IN LIGHT SNOW, BAR 992.6, ICE CONCENTRATION STABLE WITH NO MOVEMENT AT OUR PRESENT LOCATION.

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date:  
Pump Pressure @ Kill Speed: Last BOP Test: 10/11/85

Directional Surveys

Coordinates of Last Shot

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
						TVD	Sec	N / S / E / W

TIME | Rotating \_\_\_\_\_ Trips \_\_\_\_\_ Survey \_\_\_\_\_ Jet \_\_\_\_\_  
| Cum. Rot 11.00 D.D. \_\_\_\_\_ C & C \_\_\_\_\_ Cut DL \_\_\_\_\_  
(HRS) | BHA Insp \_\_\_\_\_ Reamg. \_\_\_\_\_ Repair \_\_\_\_\_ Other 24.00

COST DATA

HYDRAULIC | Liner | Stroke | SPM | GPM | PSI | HHP | AV / CV  
DATA | 6.5 | 12 | | | | | | / |

Daily Mud \$  
Cumulative Mud \$  
Daily Well \$  
Cumulative Well \$

DRILLING | Hook Load | Bit Weight | RPM | Torque | Drag Up/Dn  
DATA | | | | | / |

Authorized \$  
(+/-) Target \$

B	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
I											
T									0		
S											

B |  
H |  
A |

PPG | Grad | Vis | PV/YP | Gels | pH | Cake | WL-AP | HHP/Temp  
M | 10 | | | | | | | / |  
U | Pf/Mf | IPm | Cl | Ca | Sand | Solids | Oil % | MBT | Sulf. | Lime  
D | / | | | | % | | | | |

Mud Additions  
NONE

Jan 10/23/85

Rig Name EXPLORER 11 Elevation KB to MSL 38.4  
 Shell Drilling Foreman BROWNING/WILLOUGHBY Water Depth 117  
 Present Activity WAIT ON ICE BEHIND MCCLURE IS.

Field CORONA Prog. Depth 10000 Day Number       
 Lease OCS-Y 871 Present Depth 386' Est. Days       
 Well Number # 1 Footage Drilled 0 Days +/-       
 Work Order # 266121 Size & Depth of Last Casings: 30" " @ 383'

**SUMMARY**  
 7.0 HRS. FLEW OVER CORONA AT DAYLIGHT. WENT TOWARD CORONA WITH THE ROBERT LEMEUR. COULD NOT GET CLOSER THAN 1 KILOMETER. ICE WAS 10" TO 12" AND THICK ENOUGH TO COMPLETELY STOP THE ICEBREAKER. THE ICE WAS PRESSURED AND CLOSED TIGHTLY BEHIND THE SHIP. THE FLYOVER SHOWED ICE IN A 5 MILE RADIUS AROUND CORONA. THE WEATHER IS FORECAST TO TURN MUCH COLDER AND INCREASE FREEZING RATES. THE NEW ICE IS ALREADY 3" TO 10" THICK. RAN GREENE NOISE SURVEY.

**OPERATIONS**  
 13.5 HRS. SAIL TO HAVEN BEHIND MCCLURE TO WAIT ON ICE & WEATHER. ENCOUNTERED RIDGES OF HEAVY ICE ENROUTE. HAD WEST WINDS OF 45 KTS.  
 3.5 HRS. RUN ANCHORS AND WAIT ON ICE AND WEATHER TO IMPROVE.  
 WEATHER: WIND      AT      TEMP -17C, CEIL 1000', VIS 10MI IN OCC LIGHT SNOW, BAR 997.1, ICE CONCENTRATION 9/10ths WITH NO MOVEMENT AT      PRESENT LOCATION.

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date:       
 Pump Pressure @ Kill Speed:      Last BOP Test: 10/11/85

Directional Surveys						Coordinates of Last Shot		
Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
						TVD	Sec	N / S   E / W

CONFIDENTIAL

TIME (HRS)	Rotating	Trips	Survey	Jet	Recorded DATA
	Cum. Rot	D.D.	C & C	Cut DL	OCS District Office
	BHA Insp	Reamg.	Repair	Other	Daily Mud \$
					Cumulative Mud \$

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV	Daily <u>OCT 22 1985</u>	Cumulative Well \$
	6.5	12							

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn	Minerals Management Service
						Anchorage, Alaska

B I	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/H

M U D	PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HTI-F/Temp	Mud Additions
	10									NONE.
	Pf/Mf	IPm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime
					%					

Rig Name EXPLORER II Elevation KB to MSL 38.4  
 Shell Drilling Foreman BROWNING/WILLOUGHBY Water Depth 117  
 Present Activity WAIT ON ICE NEAR CORONA  
 Field CORONA Prog. Depth 10000 Day Number       
 Lease OCS-Y 871 Present Depth 366' Est. Days       
 Well Number # 1 Footage Drilled 0 Days +/-       
 Work Order # 266121 Size & Depth of Last Casing: 30" 2 383

**CONFIDENTIAL**

SUMMARY

11.0 HRS. WAITING ON WHALE MIGRATION AND ICE. GOT WORD THAT WHALE MIGRATION WAS OFFICIALLY OVER. WHILE WAITING, FLEW OVERFLIGHT TO CORONA AND ABOUT 20 MILES NORTH. FOUND MORE OPEN WATER AND NEW ICE 20 MILES NORTH OF CORONA THAN AT THE LOCATION. THE LOCATION WAS COVERED BY MULTI/YEAR ICE BADLY RIDGED. MOVED THE EXPLORER II TO WITHIN 0.9 OF A MILE OF CORONA AND STOPPED AT THE BEGINNING OF THE OLD ICE.  
 13.0 HRS. WAIT ON DAYLIGHT TO RECON CORONA AND MOVE THROUGH OLD ICE AREA. WEATHER IS BPOBT TEMP -17.2C, SCAT CLDS, VIS 12MI, BAR 1014.3, ICE CONF. BPOBT AND MULTI/YR MOV.

OPERATIONS

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date:       
 Pump Pressure @ Kill Speed:      Last BOP Test: 10/11/85

RECEIVED

Directional Surveys				OCS DISTRICT OFFICE	Coordinates of Last Shot			
Depth	Angle	Direction	Depth	Angle	M D	Angle	Direction	
				21				

MINERALS MANAGEMENT SERVICE  
ANCHORAGE, ALASKA

TIME	Rotating	Trips	Survey	Jet	COST DATA	
(HRS)	Cum. Rot <u>11.00</u>	D.D.	C & C	Cut DL	Daily Mud	\$
	BHA Insp	Reamp.	Repair	Other	Cumulative Mud	\$

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HTP	AV / CV	Daily Well	Cumulative Well
	<u>6.5</u>	<u>12</u>						\$	\$

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn	Authorized	Target
						\$	\$

B	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/H
I									0		
T											
S											

B  
H  
A

M	PPG	Grad	Vis	PV/YP	Gels	pH	Cake/WL	APII	HTHP/Temp	Mud Additions
	<u>10</u>									NONE
U	Pf/Mt	IPm	Cl	Ca	Sand	Solids	Oil%	IMBT	Sulf.	Lime
D										



Rig Name EXPLORER II  
Shell Drilling Foreman BROWNING/WILLOUGHBY  
Present Activity UNDER TOW TO CORONA

Elevation KB to MSL 38.4  
Water Depth 117

CONFIDENTIAL

Field CORONA Prog. Depth 10000 Day Number  
Lease OCS-Y 871 Present Depth 386' Est. Days  
Well Number # 1 Footage Drilled 0 Days +/-  
Work Order # 266121 Size & Depth of Last Casing: 30" " @ 383'

SUMMARY OF OPERATIONS

24.0 HRS. WAITING FOR WHALE MIGRATION TO END.  
14.0 HRS. REPAIRING PUSH-KNEE ON EXPLORER II WHILE WAITING ON WHALES. MOVED MATERIALS FROM RIG TO BOATS AND VICE VERSA GETTING READY TO SAIL.  
10.0 HRS. PULL ANCHORS, SAILING TO CORONA LOCATION WHILE WAITING ON WHALES.  
WEATHER: WIND 20 KNOTS, TEMP -14.0C, CEIL 600', VIS 4MI, EAR 1075.0, ICE 1' THICK.  
WE ARE STILL ABOUT 25 MILES FROM THE CORONA LOCATION MOVING AT 0 KNOTS. OUR AVERAGE SPEED WAS ABOUT 3 KNOTS FOR THE PAST 8 HOURS WITH A TAIL WIND OF 20-30 KNOTS AND AN ICE FLOW OF 1.5 KNOTS IN THE SAME DIRECTION. AT THE PRESENT TIME WE ARE STUCK IN A LARGE MASS OF WHAT LOOKS TO BE FIRST YEAR ICE WITH 10/10THS ICE COVERAGE ALL AROUND US. IT IS SNOWING VERY HEAVY, TOO. AT THIS MOMENT IT DOESNT LOOK TOO GOOD FOR CONTINUED OPERATIONS. WE HAVE BEEN RUNNING IN 9/10THS+ NEW TO FIRST YEAR ICE ALL NIGHT. SOME NEW ICE IS 1' THICK.

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date:  
Pump Pressure @ Kil: Speed: Last BOP Test: 10/11/85

RECEIVED OCT 21 1985  
Directional Surveys OCS DISTRICT OFFICE Coordinates of Last Shot  
Depth | Angle | Direction | Depth | Angle | Direction | M D | Angle | Direction  
MINERALS MANAGEMENT SERVICE ANCHORAGE, ALASKA  
TVD | Sec | N / S | E / W

TIME | Rotating | Trips | Survey | Jet | COST DATA  
| Cum. Rot | 11.00 D.D. | C & C | Cut DL.  
(HRS) | B/A Insp | Reams. | Repair | Other 24.00  
Daily Mud \$  
Cumulative Mud \$

HYDRAULIC | Liner | Stroke | SPM | GPM | PSI | H-F | AV / CV | Daily Well \$  
DATA | 6.5 | 12 | | | | | | / | Cumulative Well \$

DRILLING | Hook Load | Bit Weight | RPM | Torque | Drag Up/Dn | Authorized \$  
DATA | | | | | | / | (+/-) Target \$

B | Bit | Size | Type | Serial | Jets | T.B.G. | In | Out | Footage | Hours | Ft/Hr  
I | | | | | | | | | | | |  
T | | | | | | | | | | | |  
S | | | | | | | | | | | |

B |  
H |  
A |

M | PPG | Grad | Vis | PU/YP | Gels | pH | Cake | W.-API | HTHP/Temp | Mud Additions  
U | P+/M+ | IPm | Cl | Ca | Sand | Solids | Oil% | MBT | Sulf. | Lime  
D | / | | | | % | | | | |

Rig Name EXPLORER II Elevation KB to MSL 38.4  
 Shell Drilling Foreman BROWNING/WILLOUGHBY Water Depth 117  
 Present Activity WAITING ON WHALES AT MCCLURE IS.

Field CORONA Pros. Depth 10000 Day Number \_\_\_\_\_  
 Lease OCS-Y 871 Present Depth 386' Est. Days \_\_\_\_\_  
 Well Number # 1 Footage Drilled 0 Days +/- \_\_\_\_\_  
 Work Order # 266121 Size & Depth of Last Casings: 30" @ 383'

24.0 HRS. WAITING FOR WHALE MIGRATION TO END. RIG PARKED BEHIND MCCLURE ISLAND. REPAIRED 17 1/2' BIT. LOWERING KILL LINE ON BOP. ALSO MAKING OTHER REPAIRS CALLED FOR IN THE SAFETY AUDIT. REPAIRING PUSKNEE.

SUMMARY OF OPERATIONS WEATHER: WIND 2 KTS/2000 FT, TEMP -13.0C, CEIL 600', VIS 4MI, BAR 1017.9, ICE 7/10 & NEW AT RIG. DIESEL FUEL ABOARD 407 TONS, DIESEL FUEL USED 16 TONS. ASCERTAINING AVAILABILITY OF FUEL BOAT THIS MORNING.

**CONFIDENTIAL**

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: \_\_\_\_\_  
 Pump Pressure @ Kill Speed: \_\_\_\_\_ Last BOP Test: 10/11/85

Directional Surveys						Coordinates of Last Shot		
Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
						TVD	Sec	N / S / E / W

TIME (HRS)	Rotating	Trips	Survey	Jet	COST DATA			
	Cum. Rot	D.D.	C & C	Cut DL	Daily Mud	\$		
	BHA Insp	Reams.	Repair	Other.	Cumulative Mud	\$		
				<u>24.00</u>	Daily Well	\$		
					Cumulative Well	\$		

DRILLING DATA	IMBok Load	Bit Weight	RPM	Torque	Drag Up/Dn	Authorized	\$
						(+/-) Target	\$

B	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
I											
T											
S											

B  
H  
A

Received  
OCS District Office

M	PPG	Grad	Vis	PV/YP	Gels	pH	Cake	WL-API	HTHP/Temp	Mud Additions
										NONE. <u>OCT 18 1985</u>
U	Ft/Mf	IPm	Cl	Ca	Sand	Solids	Oil%	IMBT	Sulf.	Lime
D										

Minerals Management Service  
Anchorage, Alaska

DATE

WESTERN E&P INC DAILY DRILLING REPORT

Jan 10/21/85 17 00/14 45

PAGE 1 OF 1

Rig Name EXPLORER II

Elevation KB to MSL 38.4

Shell Drilling Foreman BROWNING/WILLOUGHBY

Water Depth 117

Present Activity WAITING ON WHALES AT MCCLURE IS.

Field CORONA

Prog. Depth 10000

Day Number

Lease OCS-Y 871

Present Depth 386'

Est. Days

Well Number # 1

Footage Drilled 0

Days +/-

Work Order # 266121

Size & Depth of Last Casing:

30" @ 383'

24.00 HRS RIG OFF CORONA LOC. UNABLE TO MANAGE ICE DUE TO WHALE MIGRATION.

24.0 HRS. WAIT ON WHALE MIGRATION TO END. MADE HELICOPTER OVERFLIGHT TO THE CORONA LOCATION. ICE AT CORONA 8/10.

SUMMARY

WEATHER: W [redacted] DEG, [redacted] SC, CEIL 500', VIS 5MI, BAR 1008.7, [redacted]

OF

OCS District Office

TEMP -12'

OPERATIONS

OCT 17 1985

CONFIDENTIAL

Minerals Management Service Anchorage, Alaska

Number of Accidents Last 24 Hrs: 0

Number of Accidents Year to Date:

Pump Pressure @ Kill Speed:

Last BOP Test: 10/11/85

Directional Surveys

Coordinates of Last Shot

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
						TVD	Sec	N / S   E / W

TIME | Rotating \_\_\_\_\_ Trips \_\_\_\_\_ Survey \_\_\_\_\_ Jet \_\_\_\_\_  
 | Cum. Rot 11.00 D.D. \_\_\_\_\_ C & C \_\_\_\_\_ Cut DL \_\_\_\_\_  
 (HRS) | BHA Insp \_\_\_\_\_ Reamng. \_\_\_\_\_ Repair \_\_\_\_\_ Other 24.00

COST DATA

Daily Mud \$ \_\_\_\_\_  
 Cumulative Mud \$ \_\_\_\_\_  
 Daily Well \$ \_\_\_\_\_  
 Cumulative Well \$ \_\_\_\_\_

HYDRALLIC | Liner | Stroke | SPM | GPM | PSI | HHP | AV / CV  
 DATA | 4.5 | 12 | | | | | | /

DRILLING | Hook Load | Bit Weight | RPM | Torque | Drag Up/Dn  
 DATA | | | | | /

Authorized \$ \_\_\_\_\_  
 (+/-) Target \$ \_\_\_\_\_

B	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
I									0		
T											
S											

B | \_\_\_\_\_  
 H | \_\_\_\_\_  
 A | \_\_\_\_\_

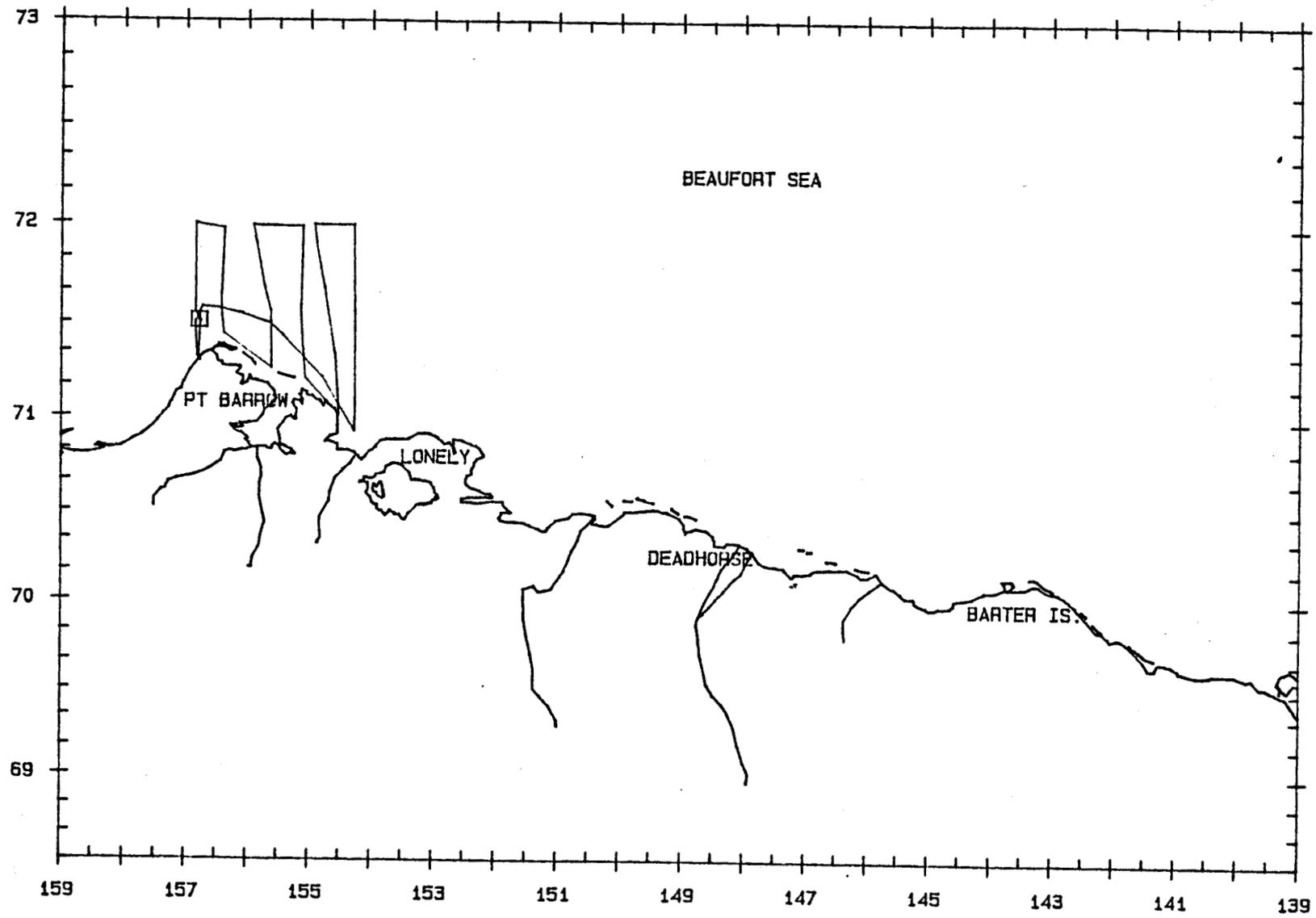
M	PPG	Grad	Vis	PV/YP	Gels	pH	Clake	WL-API	HTHP/Temp	Mud Additions
	0									NONE
U	P+/M+	IPm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime
D										

10/17 05:46

8308047

#01 OF 01

OCT 16 1985



10/16/85

AIRCRAFT	BLOCK	INDIVIDUAL /GROUP	SITE OR BOUNDARY	NUMBER /SP.	ADULT OR C/CLF	HIG (MAG)	ESTIMATED RATE /GEN. BEHAVIOR
----------	-------	----------------------	---------------------	----------------	----------------------	--------------	----------------------------------

N780	12	A:INDIV	71 30.7 156 47.0	1 RH	ADULT	100	SLOW SWIMMING
------	----	---------	---------------------	---------	-------	-----	------------------

10/16/85

AIRCRAFT (FLT#)	BLOCK	FLIGHT HRS. IN BLOCK	PORTION FLOWN	ICE COVER	WEATHER VISIBILITY BEAUFORT STATE
--------------------	-------	----------------------------	------------------	--------------	---

N780 (62)	12	3.0	ALL	10-99%	OVERCAST TO CLEAR UNLIMITED B0-B3
--------------	----	-----	-----	--------	---

GENERAL COMMENTS:

LGL(SHELL) AND LGL(UNION)- NO WHALES  
LGL(INUVIK)- NO FLIGHT DUE TO WEATHER

Don 10/21/85 17 Oct 85 10 30

Rig Name EXPLORER 11  
Shell Drilling Foreman BROWNING/MARSHALL  
Present Activity UNDER TOW TO MCCLURE ISLAND

Elevation KB to MSL 38.4  
Water Depth 117

CONFIDENTIAL

Field CORONA Prog. Depth 10000 Day Number  
Lease OCS-Y 871 Present Depth 386' Est. Days  
Well Number # 1 Footage Drilled 0 Days +/-  
Work Order # 266121 Size & Depth of Last Casing: 30" " @ 383'

24.00 HRS RIG OFF CORONA LOC. UNABLE TO BRK ICE DUE TO WHALE MIG.  
4.5 HRS. DRILLING ERIC GLORY HOLE TO 193.2'. HOLE IS 38.3' DEEP. HAD TO END  
DRILLING AND PREPARE TO MOVE OFF LOCATION FOR ICE AND IMPENDING  
STORM. HIGH WINDS AND RAPIDLY MOVING ICE FORECASTED. RIG DOWN.  
2.0 HR. RAN GLORY HOLE PROFILE W/ DOME SURVEY. ONLY TOOK FOUR SUCCESSFUL  
CROSS-SECTIONS BECAUSE RIG BEING PUSHED OFF LOCATION BY MOVING ICE  
AND HIGH WINDS (55 KTS.)  
2.0 HRS. PULLED ANCHORS. OFF BOTTOM: #2 @ 12:30, #3 @ 12:43, #7 @ 13:20, AND  
#6 @ 14:00.  
15.5 HRS. TOW TO MCCLURE ISLAND. ENCLLNTERED WINDS [REDACTED] KTS. WE  
ARE PRESENTLY 7 MILES FROM MCCLURE ISLAND.  
WEATHER: WIND [REDACTED] KTS. TEMP. -5C. BAR 1005.5, CEILING LNL, VIS. 15MI,  
ICE CONC. 8/10.

SUMMARY

OF

OPERATIONS

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: 0  
Pump Pressure @ Kill Speed: [REDACTED] Last BOP Test: 10/11/85

FOR GOVERNMENT USE ONLY

Direction: OCS District Office Coordinates of Last Shot

Table with columns: Depth, Angle, Direction, M D, Angle, Direction. Includes 'Minerals Management Service Anchorage, Alaska' and 'OCT 15 1985'.

TIME | Rotating 3.50 Trips 1.00 Survey Jet  
| Cum. Rot 11.00 D.D. C & C Cut DL  
(HRS) | BHA Insp Reang. Repair Other 19.50

COST DATA  
Daily Mud \$  
Cumulative Mud \$  
Daily Well \$  
Cumulative Well \$

HYDRAULIC | Liner | Stroke | SPM | GPM | PSI | H-P | AV / CV  
DATA | 6.5 | 12 | 190 | | 3000 | | /

DRILLING | Hook Load | Bit Weight | RPM | Torque | Drag Up/Dn  
DATA | | 10-40 | | 7-14000 | /

Authorized \$  
(+/-) Target \$

Table with columns: B, Bit, Size, Type, Serial, Jets, T.B.G., In, Out, Footage, Hours, Ft/Hr. Includes values like 17.5', 174.7, 193.2, 18.5, 18.50.

B | 17 1/2" BIT AND MARINE RISER TYPE AIR LIFTING SYSTEM FOR CIRCULATION.  
H |  
A |

Table with columns: PPG, Grad, Vis, PU/YP, Gels, pH, Cake, WL-AP, HTHP/Temp, Mud Additions, M, SW, P+/M+, Pm, Cl, Ca, Sand, Solids, Oil%, MBT, Sulf., Lime, D.

DATE 10/11/85

SHELL WESTERN E&P INC DAILY DRILLING REPORT

PAGE 1 OF 1

Rig Name EXPLORER II
Shell Drilling Foreman BROWNING/MARSHALL
Present Activity DRILLING GLORY HOLE @ ERIK

Elevation KB to MSL 38.4
Water Depth 117

Field CORONA
Lease OCS-Y 871
Well Number # 1
Work Order # 266121
Prog. Depth 10000
Present Depth 386'
Footage Drilled 0
Size & Depth of Last Casing: 30" @ 383'

SUMMARY OF OPERATIONS
24.00 HRS RIG OFF CORONA LOC. UNABLE TO BRK ICE DUE TO WHALE MIG.
3.00 HRS. IN TRANSIT TO ERIK LOCATION.
1.50 HRS. POSITION RIG.
1.00 HRS. RUN ANCHORS 2, 3, 6, 7.
.50 HRS. DIVER IN TO CHECK POSITION OF GLORY HOLE.
3.00 HRS. COMPLETE RIGGING UP GLORY HOLE BIT.
15.00 HRS. DRILLING ERIK GLORY HOLE, DEPTH AT REPORT TIME 190'KB, 12.75' OF GLORY HOLE DUG IN LAST 15 HRS. TOTAL DEPTH OF GLORY HOLE @ REPORT TIME 36'.
WEATHER: 21 DEG. BAR 1006.5 TEMP. 23 DEG. F.
ICE COND: 7/10THS NEW ICE, 1/10TH OLD ICE, MOVEMENT 1.2 KTS. TO 109 DEG.

CONFIDENTIAL FOR GOVERNMENT USE ONLY

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: 0
Pump Pressure @ Kill Speed: 0 Received Last BOP Test: 10/11/85

Table with columns: Depth, Angle, Direction, Direction, M D, Angle, Direction. Includes Minerals Management Service Anchorage, Alaska.

Table with columns: TIME, Rotating, Trips, Survey, Jet, COST DATA. Includes Cum. Rot 11.00 D.D., C & C, Cut DL.

Table with columns: HYDRAULIC DATA, Liner, Stroke, SPM, GPM, PSI, HHP, AV / CV, Daily Well, Cumulative Well.

Table with columns: DRILLING DATA, Hook Load, Bit Weight, RPM, Torque, Drag Up/Dn, Authorized, Target.

Table with columns: B, Bit, Size, Type, Serial, Jets, T.B.G., In, Out, Footage, Hours, Ft/Hr.

Table with columns: M, U, D, PPG, Grad, Vis, PV/YP, Gels, pH, Cake, WL-API, HTHP/Temp, Mud Additions, Pt/Mt, Pm, Cl, Ca, Sand, Solids, Oil%, MBT, Sulf., Lime.



DATE 10/12/85

SHELL WESTERN E&P INC DAILY DRILLING REPORT

PAGE 1 OF 1

Rig Name EXPLORER II Elevation KB to MSL 38.4  
 Shell Drilling Foreman MARSHALL Water Depth 117  
 Present Activity OFF LOC DUE TO ICE & WHALE MIG.

Field CORONA Prog. Depth 10000 Day Number       
 Lease OCS-Y 871 Present Depth 386' Est. Days       
 Well Number # 1 Footage Drilled      Days +/-       
 Work Order # 266121 Size & Depth of Last Casing: 30" " a 383'

**SUMMARY**  
 24.0 HRS RIG OFF LOC. UNABLE TO BRK ICE DUE TO WHALE MIG. MOVE RIG BEHIND  
 McCLURE ISLANDS, NO. 2 ANCHOR OUT AT 1204 HRS 10/11/85.  
 WEATHER; WINDS ARE S 0/15 KTS TEMP. 20F.  
 ICE COVER; CORONA LOCATION SHOWS OPEN 4/5 MILES NORTH/SOUTH, 18/20 MILES  
 EAST/WEST. ICE DRIFT: FROM SOUTH AT .8 TO 1.3 KTS.  
 FORECAST; FAIR WINDS SAT. SOUTH-WESTERLY AT 10/15 KTS. WITH OCNL LIGHT SNOW,  
 OUTLOOK SAME THROUGH SUNDAY.  
 NO FORECAST FROM ENW. CAN. TODAY.

**OPERATIONS**

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date:       
 Pump Pressure @ Kill Speed:      Last BOP Test: 10/04/85

**FOR GOVERNMENT USE ONLY**

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
OCS District Office								
RECEIVED								
OCT 15 1985								
TVD   Sec   N / S   E / W								

TIME (HRS)	Rotating	Trips	Survey	Minerals Management Service	Cost Data
	Cum. Rot	11.00 D.D.	Repair	Anchorage, Alaska	Daily Mud \$
	BHA Insp	Reang.	Other		Cumulative Mud \$

HYDRALLIC DATA	Liner	Stroke	SFM	GPM	PSI	H-P	AV / CV	Daily Well \$	Cumulative Well \$
	6.5	12							

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn	Authorized (+/-) Target \$

B	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
I											
T											
S											

B  
H  
A

M	PPG	Grad	Vis	PV/YP	Gels	pH	Calc	WL-API	HTH-P/Temp	Mud Additions
U	Pf/Mf	Pm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime
D					%					

DATE 10/11/85

SHELL WESTERN E&P INC DAILY DRILLING REPORT 1100/15 PAGE 1 OF

for Miller

Rig Name EXPLORER II Elevation KB to MSL 38.4
Shell Drilling Foreman FOX, MARSHALL, COOK Water Depth 117
Present Activity OFF LOC DUE TO ICE & WHALE MIG.

Field CORONA Prog. Depth 10000 Day Number
Lease OCS-Y 87; Present Depth 386' Est. Days
Well Number # 1 Footage Drilled
Work Order # 266121 Size & Depth of Last Casing: 30" @ 383

24.0 HRS RIG OFF LOC. UNABLE TO BRK ICE DUE TO WHALE MIG. DRIFTING W/ ICE
PM-STEAM ONLY TO POS RIG FOR DAYLIGHT MOVE BEHIND McCLURE(SHELTERED WATERS)
WEATHER; WIND FROM 050 TEMP 18 15025 F. BP--1002mb.
SUMMARY ICE COVER; ... THICK.
ICE DRIFT; 10/11, 0240+DG290 @2K, 0300+DG289 @1.8K, 0500+DG291 @1.8K.
OF FRECST: FAIRW-WINDS FRI @25-35+K, SAT SE @20-25K BACK TO N & MOD SUN & MON.
ALSO-CONT W'LY ICE DR @ 1.8K DOWN TO .8K AND BECOMING S'LY ON SUN.
FREEST: ENV CAN-GALE WRNGS TODAY, SAME THRU SAT. WINDS LT & VAR SUN, W'LY MON.
OPERATIONS \*\*\*\*WHILE WO ICE/WHALES; MOVE STACK TO STUMP & TEST; 250#/7500# ALL RAMS,
VALVES & LINES OK. MOVE STACK BACK & MOVE LMRP TO STUMP-PREP TO TEST.
\*\*\*\*SLAR FLIGHT @ 1100 HRS 10/9 (RIG TIME). WILL BE RUN DAILY NOW & SET UP
TO BE TRANSMITTED, AS SOON AS FILM DEVELPD, DIR TO DH AND THEN FLOWN TO RIG.

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date:
Pump Pressure @ Kill Speed: Last BOP Test: 10/04/85

Table with columns: Directional Surveys, Coordinates of Last Shot, Depth, Angle, Direction, M D, Angle, Direction, TVD, Sec, N/S/E/W

TIME | Rotating | Trips | Survey | Jet | COST DATA
| Cum. Rot | 11.00 D.D. | C & C | Cut DL |
|(HRS) | BHA Insp | Reame. | Repair | Other | 24.00 | Daily Mud \$

HYDRALLIC | Liner | Stroke | SPM | GPM | PSI | HHP | AV / CV | Daily Well \$
DATA | 6.5 | 12 | | | | | | / | Cumulative Well \$

DRILLING | Hook Load | Bit Weight | RPM | Torque | Drag Up/Dn | Authorized \$
DATA | | | | | | | (+/-) Target \$

Table with columns: Bit, Size, Type, Serial, Jets, T.B.G., In, Out, Footage, Hours, Ft/H

Received
OCS District Office

PPG | Grad | Vis | PV/YP | Gels | pH | Cake | WL-AP | HTFP/Temp | Mud Additions
M | 10 | | | | | | | |
U | P+/M+ | Pm | Cl | Ca | Sand | Solids | Oil% | MBT | Sulf. | Lime
D | / | | | | | | |
Minerals Management Service
Anchorage, Alaska

10/11 06:21

8308047

#01 OF 01

Rig Name EXPLORER II Elevation KB to MSL 38.4  
 Shell Drilling Foreman FOX, MARSHALL, COOK Water Depth 117  
 Present Activity OFF LOC DUE TO ICE & WHALE MIG.

Field CORONA Prog. Depth 10000 Day Number       
 Lease OCS-Y 871 Present Depth 386' Est. Days       
 Well Number # 1 Footage Drilled      Days +/-       
 Work Order # 266121 Size & Depth of Last Casing: 30" @ 383'

24.0 HRS RIG OFF LOC. UNABLE TO BRK ICE DUE TO WHALE MIG. DRIFTING W/ ICE @ 1.5-K. POS @ 0500 IS 16.4NM FROM CORONA, BRG FROM RIG TO COR 104.

SUMMARY OF

WINDS      TEMP IS 10DEG F.  
 ICE COVER:      THICK.  
 PRECST: ENV. CAN -WINDS TO SHIFT TO MOD TO STRNG SE FRI, MOD WEST SAT.  
 FAIRW. -WINDS NE TODAY, DIM & E-SE FRI, BACK TO MOD NRTHERLY BY SAT PM.  
 DRIFT HAS SLOWED FROM 2.0K-HDG 268 TO 1.7K-HDG 283. (SLIPP 1 ONLY.)

OPERATIONS

\*\*\*\*WHILE WO ICE/WHALES; LD RISER, RD GH BIT & MOVE TO LEMEUR. PU DC & STAB 17-1/2" BHA INCLDG MUD. GTTG RDY TO STUMP TEST BOP. ANALYST ROY.  
 \*\*\*\*ICE RECCE MADE 0730-1030, 10/9; GOING WEST--9+/10 TO COR & H-D + 10 MI. GOING NEAST--9+/ & 10/10, IMPASS TO BLATZ W/O ICE BRKRS & TIME. BLATZ 10/10 IN PACK ICE. NOTE: SLAR FLIGHT RUN 10/9 PM.

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date:       
 Pump Pressure @ Kill Speed:      Last BOP Test: 10/04/85

Directional Surveys

Coordinates of Last Shot

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
						TVD	Sec	N / S   E / W

TIME | Rotating | Trips | Survey | Jet | COST DATA  
 | Cum. Rot | 11.00 D.D. | C & C | Cut DL |  
 (HRS) | BHA Insp | Reamg. | Repair | Other | Daily Mud \$

HYDRAULIC | Liner | Stroke | SPM | GPM | PSI | HHP | AV / CV | Daily Well \$  
 DATA | 6.5 | 12 | | | | | | | Cumulative Well \$

DRILLING | Hook Load | Bit Weight | RPM | Torque | Drag Up/Dn | Authorized \$  
 DATA | | | | | | | (+/-) Target \$

B	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
I											
T											
S											

Received  
 OCS District Office

PPG | Grad | Vis | PV/YP | Gels | pH | Cake | WL-API | HT-F/Temp | Mud Additions |  
 M | | | | | | | | | | |  
 U | P# / M# | Pm | Cl | Ca | Sand | Solids | Oil % | MBT | Sulf. | Lime | Minerals Management Service  
 D | | | | | | | | | | | Anchorage, Alaska

Rig Name EXPLORER II  
 Shell Drilling Foreman FOX, MARSHALL  
 Present Activity PULLING LAST ANCHOR  
 Field CORONA  
 Lease OCS-Y 871  
 Well Number # 1  
 Work Order # 266121

Elevation KB to MSL 38.4  
 Water Depth 117

**CONFIDENTIAL**

Frag. Depth 10000 Day Number 3  
 Present Depth 396' Est. Days       
 Footage Drilled 41' Days +/-       
 Size & Depth of Last Casing:      " @     

**SUMMARY**

**OPERATIONS**

3.5 HRS FIN DRILLING & OPENING HOLE TO 36". SWEEP W/50 BBL PILLS 2X. TAKE  
 TOTCO-1/2. PULL 1 STD. RIH. 3' SOFT FILL. DISP HOLE W/THICK M.D.  
 5.0 HRS RJ & RUN 30"(1" WALL, 310#, ST-2) THRU PGB. RUN STINGER. MJ RT &  
 RIH W/HJDP LNDG STRG. 30"      2.D DBL. PU  
 KELLY. JUMPED DIVERS - PGB IN GH & NOT OBSTRUCTED. BULLSEYE LEVEL.  
 PLUMPED & WORKED 30" OFF LEDGE. LANDED SHOE ON BOTTOM @ 381.40'.  
 2.0 HRS HALLIB PUMPED; 20 BBL MIX WATER FOL BY 1400 SX PFC @ 14.7PPG (CMT  
 RETURNS THRU AIRLIFT), DISPLACE W/ MIX WATER (.14% SOO. CITRATE IN  
 SW). CIP @ 1613 10/4. NO BACK FLOW. AIRLIFT REMAINS ON CONTINUOUSLY  
 .5 HRS BACKOUT RT W/SOME TRBL. 2000# TENS ON EA GL. WASHOUT CMT STRING.  
 1.5 HRS PU TO LD KELLY & NOTED GL'S PU. RT STILL JAMMED IN WH HOUS. SET  
 30" BACK ON BOT. GL POS OK. WORKED RT FREE. PU RT & WASH THRU STNGR  
 JUMPED DIVERS-UNABLE TO SEE OR SWIM IN MUD IN GH. POOH. LD RT,

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date:       
 Pump Pressure @ Kill Speed:      Last BOP Test: 10/04/85

Directional Surveys						Coordinates of Last Shot		
Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
355	1/2							
						TVD	Sec	N / S   E / W

TIME (HRS)	Rotating	Trips	Survey	Jet	COST DATA			
	Cum. Rot	D.D.	C & C	Cut DL	Daily Mud	\$		
	BHA Insp	Reamg.	Repair	Other	Cumulative Mud	\$		

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HHP	AV / CV	Daily Well	\$	Cumulative Well	\$
	6.5	12	220	11061	900		/				

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn	Authorized	\$
	12SM	10-15	170-120	1200-250 A	15 / 5	(+/-) Target	\$

B I	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
T	2RR	26	SMF	SEE NOTE	6-20'S		210	331	121	5.50	22
S	3	26	S3SJ	173735	16-16-16		331	386	55	5.50	10

B | BIT, SEC 36" HO #4039 W/4-18'S, TOTCO RING, BIT SUB, 3 - 9-1/4" DC'S, 26" WBS #347  
 H | XO SUB, 2 - 8" DC'S, XO SUB, 1JT HJDP. (210.85') DRIG W/HJDP.  
 A | Received  
OCS District Office

M U D	PPG	Grad	Vis	PV/YP	Gels	pH	Cake/WL-APII	HHP/Temp	Mud Additions
	8.6	.447	115	136 / 40	12/50	9.7		/	95 GEL
	P+/M+	IPm	Cl	Ca	Sand/Solids	Oil%	IMBT	Sulf.	Lime
	2 / .7	.5	3400		%				

OCT 5 1985  
 Minerals Management Ser  
 Anchorage, Alaska

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S

- 1.0 HRS PU WH & PGB WASH TOOL. RIH & WASH. POOH.
- 2.5 HRS PU 30" T STNGR, VETCO CAM TYPE 30" RT 30" LNDG STRING. RIH. FLUSH 30" W/SW FROM 40' ABOVE SHOE. MU CAM RT. PULL 35000# OVER WT OF 30" & LNDG STRG (160M TOT). PU 18SM W/DERRICK & 10M W/ GL. 30" DID NOT MOVE. ATTEMPT TO PUMP TO CK IF CMT OVERDISP WHILE THRU STINGER WHEN RT JAMMED IN HOUS. UNABLE TO PUMP. PRESS JUMPED TO 700 PSI & HELD FOR 5 MIN W/ NO LEAK OFF. REL CAM RT & POOH.
- 2.5 HRS RIH W/ WH & PGB WASH TOOL. WASH THOROUGHLY. JUMP DIVERS; NO CMT ON PGB, PGB OFF BOT 1' +/- ALL CORNERS, HOUS OK. POOH. LD WASH TOOL.
- 2.5 HRS LD 36" HO & MU 26" BIT. RIH TO TOC. TOOK WT @ 348'. POOH.
- 2.0 HRS JUMP DIVERS TO RECOVER BULLSEYE & INSTALL COVER FOR 30" HOUS. SHEAR GL & PULL AIRLIFT.
- 1.0 HRS PULLING ANCHORS. (LAST ANCHOR UP @ 0612 10/5) UNDERWAY TO ERIC.

ML @ 155', TOP 30" HOUS @ 184', 30" SHOE @ 381.4', BOT OF 36" HOLE WAS 383'.  
NOTE: HAD TROUBLE STAYING ON LOCATION AFTER CEMENTING CASING, ITECH PERSONNEL WERE CALIBRATING TWO SHORE STATIONS WHICH GAVE ONLY TWO SHORE STATIONS TO WORK WITH, CHANGES IN CURRENT AND WIND CONDITIONS CAUSED RIG SHIFT.  
NOTE: AS OF 0600 HRS 10/05/85 CHARGES COST WILL BE CHARGED TO ERIK AFE.

CONFIDENTIAL

RECEIVED  
Anchorage, Alaska

OCT 07 1985

REGIONAL SUPERVISOR  
RECEIVED OPERATION  
District Office SERVICE

OCT 5 1985

Minerals Management Service  
Anchorage, Alaska

Rig Name EXPLORER II Elevation KB to MSL 38.4  
 Shell Drilling Foreman FOX, M. SHALL Water Depth 117  
 Present Activity DRILL & OPEN HOLE --- 36"

Field CORONA Prop. Depth 10000 Day Number 2  
 Lease OCS-Y 871 Present Depth 345' Est. Days ---  
 Well Number # 1 Footage Drilled 130' Days +/- ---  
 Work Order # 266121 Size & Depth of Last Casing: --- " @ ---

**SUMMARY OF OPERATIONS**

14.0 HRS WAIT ON ICE ( W.O.WHALE MIGRATION --NOT PERMITTED TO MANAGE ICE.)  
 4.5 HRS MOVE RIG INTO LOC & RUN ANCHORS; #3 ON BOTTOM @ 2139, #7 @ 2128,  
 #2 @ 2246, #6 @ 2233. MOVE RIG OVER GH W/SONAR; AIRLIFT IN ROT.  
 PU AIRLIFT HEAD & HANG OFF LIFT. RIH W/ BHA. POS RIG OVER WELL W/  
 SONAR REF BIT. STAB INTO HOLE W/O DIVERS.  
 NOTE; MOVE ON HAMPERED BY TRAILING EDGE OF ICE.  
 4.0 HRS OPEN HOLE TO 36" FROM 215' TO 290'. DRILL FILL & OPEN HOLE TO 36"  
 FROM 290' TO 331.  
 1.5 HRS DRILLING & OPENING HOLE TO 36" FROM 331 TO

TEMP-32 DEG F, WIND FROM D70 @ 10K. ICE @LOC 3/10; 2-NEW, 1-2ND YR(SM-MED)  
 BOATS SPACED OUT UFDRIFT.

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: ---  
 Pump Pressure @ Kill Speed: --- Last BOP Test: //

Directional Surveys						Coordinates of Last Shot		
Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
						TVD	Sec	N / S   E / W

TIME | Rotating 5.50 Trips | Survey | Jet | ---  
 | Cum. Rot 11.00 D.D. | C & C | Cut DL | ---  
 (HRS) | BHA Insp | Reamg. | Repair | Other 18.50

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 OCS-District Office  
 OCT 4 1985  
 Minerals Management Service  
 Anchorage, Alaska

HYDRALLIC | Liner | Stroke | SFM | GPM | PSI | HP | AV / CV  
 DATA | 6.5 | 12 | 220 | 1081 | 900 | --- | --- / ---

DRILLING | Hook Load | Bit Weight | RPM | Torque | Drag Up/Dn  
 DATA | 125M | 10-15 | 170-120 | 200-250 | A 10 / 0

B	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
I											
T	<u>ZRR</u>	<u>26</u>	<u>SMF</u>	<u>SEE NOTE</u>	<u>6-20'S</u>		<u>210</u>	<u>331</u>	<u>121</u>	<u>5.50</u>	<u>27</u>
S	<u>3</u>	<u>26</u>	<u>S35J</u>	<u>173735</u>	<u>16-16-16</u>		<u>331</u>		<u>-331</u>		

B | BIT, SEC 36" HO #6039 W/4-18'S, TOTCO RING, BIT SLB, 3 - 9-1/4"DC'S, 26" WBS #347  
 H | XO SLB, 2 - 8"DC'S, XO SLB, 1JT HUOP. (210.85') ORLG W/HUOP.  
 A | ---

PPG	Grad	Vis	PV/YP	Gels	pH	Cake (W.-API)	HTHP/Temp	Mud Additions		
M	<u>8.6</u>	<u>1.447</u>	<u>165</u>	<u>141/43</u>	<u>18/62</u>	<u>9.7</u>				
U	Pf/Mf	IPm	Cl	Ca	Sand	Solids	Oil %	IMBT	Sulf.	Lime
D	<u>2/7</u>		<u>3400</u>							

MUD TEMP IN PITS = 50 DEG F

File 8

09.30.85

80 JU 80#

2408088

09:01 20/01

Rig Name EXPLORER II

Elevation KB to MSL 38.4

Shell Drilling Foreman FOX, ROTH, COOK

Water Depth 117

Present Activity WAITING ON ICE TO CLEAR LOC.

Id CORONA

Prog. Depth 10000

Day Number

Lease OCS-Y B71

Present Depth 331'

Est. Days

Well Number # 1

Footage Drilled

Days +/-

Work Order # 266121

Size & Depth of Last Casing:

" a

24.0 HRS WAIT ON ICE.

WHILE WO ICE: BRING ON 13-3/8" CSG, MUD MAT'LS, ETC

& OFFLOADING UNION EQUIP NOT ABLE TO USE

MV ROBERT LEMEYER DRIFTING W/ ICE CLOSE TO LOC.

STAR FLIGHT ON 9/29. BOATS PLOTTING ICE DRIFT: .1 K, BRG 110

SUMMARY

OF

OPERATIONS

Number of Accidents Last 24 Hrs: 0

Number of Accidents Year to Date:

Pump Pressure @ Kill Speed:

Last BOP Test: 09/05/85

Directional Surveys

Coordinates of Last Shot

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction

RECEIVED

Anchorage, Alaska

TVD | Sec | N / S | E / W

DEC 06 1985

ME | Rotating \_\_\_\_\_ Trips \_\_\_\_\_ Survey \_\_\_\_\_ Jet \_\_\_\_\_  
 | Cum. Rot 11.00 D.D. \_\_\_\_\_ C & C \_\_\_\_\_ Cut DL \_\_\_\_\_  
 RS) BHA Insp \_\_\_\_\_ Reams. \_\_\_\_\_ Repair \_\_\_\_\_ Other 24.00

COST DATA

REGIONAL SUPERVISOR

Uaily Mud FIELD OPERATION  
 Cumulative MINERALS MANAGEMENT SERVICE  
 Daily Well DISTRICT OFFICE  
 Cumulative Well \$

NOV 22 1985

HYDRAULIC | Liner | Stroke | SPM | GPM | PSI | HHP | AV / CV  
 DATA | 6.5 | 12 | 180 | 885 | 400 | | 36 /

Authorized \$  
 (+/-) Target MINERALS MANAGEMENT SERVICE  
 ANCHORAGE, ALASKA

DILLING | Hook Load | Bit Weight | RPM | Torque | Drag Up/Dn  
 DATA | 30K | 10-15 | 170/90 | | 10 / 2

Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
1RR	26	DSJ	BJH658	13-18'S	**	187.5	210	22.5	5.00	4.5
2RR	26	SYF	SEE NOTE	6-20'S		210	331	121	5.50	22

26" , 3-9.5 DC'S, 26" STAB, X-OVER, 2-8" DC'S, X-OVER, HMDP ( DRILLING W/HMDP)

\*\* BIT # 1RR WAS DAMAGED BY JUNK IN HOLE FROM LAST YEARS GH BIT.

\*\* NOTE \*\* BOTH BITS WERE USED BITS IN GOOD COND SUPPLIED BY CANMAR. \*\*

PPG | Grad | Vis | PV/YP | Gels | pH | Cake | WL-API | HTHP/Temp | Mud Additions |  
 8.6 | 447 | 150 | 143 / 44 | 22 / 68 | 9.7 | | | | 2 - GELEX  
 Pf/Mf | Pm | Cl | Ca | Sand | Solids | Oil % | MBT | Sulf. | Lime  
 2 / 7 | .6 | 3100 | 140 | % | | | | |

CONFIDENTIAL

ICE DRIFT			
TIME	DIR	SPEED	
0500	10/3	279	.84K
1130		268	.87K
1500		279	.93K
1640		282	.93K
2337		258	.96K
2330		263	1.00K
0145	10/4	269	1.10K
0300		265	.98K
0430		264	.70K

MONITORING MED TO LG FLOES UP DRIFT 5-7 MI.

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Received  
OCS District Office

OCT 4 1985

Minerals Management Service  
Anchorage, Alaska

UNIT 4767193

Rig Name EXPLORER 11  
Shell Drilling Foreman FOX, ROTH, COOK  
Present Activity WAITING ON ICE TO CLEAR LOC.

Elevation KB to MSL 38.4  
Water Depth 117

Well ID CORONA Prog. Depth 10000 Day Number 2  
Lease OC5-Y 871 Present Depth 331' Est. Days       
Well Number # 1 Footage Drilled      Days +/-       
Work Order # 266121 Size & Depth of Last Casing:     " @    '

0.5 HRS. WAIT ON ICE. PREP TO PULL ANCHORS.  
4.5 HRS. PULL ANCHORS #3, #6, #2, #8 (#8 BUOY REC FRM BOTTOM @ 10:38).  
19.0 HRS. OFF LOC DRIFTING AHEAD OF ICE (BEARING - 300).

SUMMARY

WHILE NO ICE: OFFLOADING MAT'LS TO ROBERT LEMEUR  
BRING ON MAT'LS FROM BARGE  
PREP SECOND 30" HOUSING & PGB.  
REBUILD 36" HOLE-OPENER

OF

OPERATIONS

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date:       
Pump Pressure @ Kill Speed:      Last BOP Test: 09/05/85

Directional Surveys | Coordinates of Last Shot

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
<u>256</u>	<u>1/16</u>							

RECEIVED  
Anchorage, Alaska

DEC 06 1985

IME | Rotating      Trips      Survey      Jet       
| Cum. Rot 11.00 D.D.      C & C      Cut DL       
-RS) | BHA Insp      Reams.      Repair      Other 24.00

REGIONAL SUPERVISOR  
FIELD OPERATIONS  
RECEIVED  
MINERALS MANAGEMENT SERVICE  
OCS DISTRICT OFFICE  
Daily Mud \$  
Daily Well \$  
Cumulative We \$  
NOV 22 1985

HYDRAULIC | Liner | Stroke | SPM | GPM | PSI | HHP | AV / CV  
DATA | 6.5 | 12 | 180 | 1885 | 400 |      | 36 /     

DRILLING | Hook Load | Bit Weight | RPM | Torque | Drag Up/Dn | Authorized  
DATA | 30K | 10-15 | 170/90 |      | 110 / 2 | (+/-) Target \$

MINERALS MANAGEMENT SERVICE  
ANCHORAGE, ALASKA

Bit	Size	Type	Serial	Jets	I.B.G.	In	Out	Footage	HOURS	Ft/HR
<u>1RR</u>	<u>26</u>	<u>IDSJ</u>	<u>BJH658</u>	<u>13-18'S</u>	<u>**</u>	<u>187.5</u>	<u>210</u>	<u>22.5</u>	<u>5.00</u>	<u>4.5</u>
<u>2RR</u>	<u>26</u>	<u>SMF</u>	<u>SEE NOTE</u>	<u>16-20'S</u>		<u>210</u>	<u>331</u>	<u>121</u>	<u>5.50</u>	<u>22</u>

24" 13-9.5 DC'S, 24" STAB, X-OVER, 2-8" DC'S, X-OVER, HMDP ( DRILLING W/HMDP )  
\*\* BIT # 1RR WAS DAMAGED BY JUNK IN HOLE FROM LAST YEARS GH BIT.  
\*\* NOTE \*\* BOTH BITS WERE USED BITS IN GOOD COND SUPPLIED BY CANMAR. \*\*

PPG | Grad | Vis | PV/YP | Gels | pH | Cake | WL-API | HTHP/Temp | Mud Additions |  
18.7 | 1.452 | THK | 137/93 | 165/75 | 10 |      | NC |      /       
P+M+ | Pm | Cl | Ca | Sand | Solids | Oil% | MBT | Sulf. | Lime  
2.7 / 6 | 5 | 3000 | 120 | 10 % |      |      |      |      |       
VIS MUD FOR SWEEPS

CONFIDENTIAL

Rig Name EXPLORER II Elevation KB to MSL 38.4  
 Shell Drilling Foreman FOX, ROTH, COOK Water Depth 117  
 Present Activity PREPARING TO PULL ANCHORS

Field CORONA Prog. Depth 10000 Day Number 1  
 Lease OCS-Y 871 Present Depth 331' Est. Days       
 Well Number # 1 Footage Drilled 142' Days +/-       
 Work Order # 266121 Size & Depth of Last Casing:     " @    '

**SUMMARY**  
 OF OPERATIONS  
 3.0 HRS. WAIT ON ICE  
 2.0 HRS. RUN ANCHORS #3 (09:36), #7 (09:36), #6 (10:34), #2 (10:47)  
 2.0 HRS. #7'S 150 TON SHACKLE BROKE. WORKED ON #7 ANCHOR AND ANCHOR WINCH.  
 RAN #8 ANCHOR AFTER IT BECAME APPARENT EXCESSIVE TIME WOULD BE REQUIRED TO  
 FIX THE #7 ANCHOR WINCH. LD DP & GETTING AIRLIFT READY.  
 3.5 HRS. MOVE OVER LOCATION USING SIDE SCAN SONAR TO FIND GLORY HOLE. RIG  
 UP AIRLIFT. RIH W/ 36" HOLE ASSEMBLY. JUMP DIVERS AND ESTABLISH CENTER OF  
 GLORY HOLE.  
 4.0 HRS. DRILLING 36" HOLE ( DRILLING VERY SLOW; ROUGH DRILLING )  
 .5 HRS. POOH TO INSPECT BHA. JUNK FROM 1984 GH BIT JAMMED BETWEEN CONES.  
 1.0 HRS. DRILL 36" HOLE (STILL DRILLING ROUGH )  
 .5 HRS. POOH, LAY DOWN 36" HOLE-OPENER, PU NEW 26" BIT. CONE LOCKED W/JUNK  
 3.0 HRS. DRILL 26" HOLE

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date:       
 Pump Pressure @ Kill Speed:      Last BOP Test: 09/05/85

Directional Surveys						Coordinates of Last Shot		
Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction
						226	1/16TH	
						TVD	Sec	N / S   E / W

ME	Rotating	11.00	Trips	1.00	Survey	0.50	Jet	COST DATA	
	Cum. Rot	11.00	D.D.		C & C		Cut DL		
RS)	BHA Insp		Reamg.		Repair		Other	11.50	Daily Mud \$

HYDRALLIC	Linear	Stroke	SPM	GPM	PSI	HP	AV / CV	Daily Well	OCS DISTRICT OFFICE
DATA	6.5	12	180	1885	400	136	/	Cumulative Well \$	

DRILLING	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn	Authorized	MINERALS MANAGEMENT SERVICE
DATA	30K	15	170/90		10 / 2	(+/-) Target	ANCHORAGE, ALASKA

Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
1	26	DSJ	BJH458	3-18'S		187.5	210	22.5	5.00	4.5
2	26	DSJ				210		-210		

26" DSJ, 3-9,5 DC'S, 26" STAB, X-OVER, 2-8" DC'S, X-OVER, HWDP ( DRILLING W/ HWDP)

PPG	Grad	Vis	PV/YP	Gels	pH	Cake/WL-API	HTHP/Temp	Mud Additions	
18.7	452	300	27/89	30/44			/		
Pf/Mf	IPm	Cl	Ca	Sand	Solids	Oil%	IMBT	Sulf.	Lime
2 / 15	7	2400	80	%					

**CONFIDENTIAL**

DATE 09/27/85

SHELL INTERNATIONAL E&P INC DAILY DRILLING REPORT

PAGE 1 OF 1

Rig Name EXPLORER II

Elevation KB to MSL 38.7

Shell Drilling Foreman FOX, ROTH, COOK

Water Depth 117155.7

Present Activity OFF LOC WO ICE. LD EXCESS DP.

Field CORONA

Prog. Depth 10000

Day Number 2

Lease OCS-Y 871

Present Depth 187.5 31.8

Est. Days

Well Number # 1

Footage Drilled 3

Days +/-

Work Order # 246121

Size & Depth of Last Casing:

" 2

13.0 HRS DRILLING GLORY HOLE FROM 180' TO 187.5'. (24.5 HRS TO GO FROM TOP OF FILL @ 171.7' TO 187.5'.) DEPTH OF GH 28.5' FROM FIRM BOT.

SUMMARY

\*\*\* AT 1900 HRS WE PULLED GH BIT ABOVE GH & PULLED BOTH STBD ANCHORS IN ORDER TO AVOID CONTACT W/ ICE PAN, 3 MI. LONG BY 1/4 - 3/4 MI. WIDE. NO ICE MANAGEMENT WAS REQUIRED. PULLED THE OTHER 2 ANCHORS & MOVED THE RIG DOWN DRIFT, TO THE SOUTH OF ICE PAN, WAITING FOR ICE TO CLEAR LOC. \*\*\*

OPERATIONS

11.0 HRS. MOVE OFF LOC TO AVOID MANAGING ICE. RIG DOWN GH BIT. MJ BHA FOR 36" HOLE & RACK IN DERRICK. (INSPECT SAME -LARIMER.) PU SECOND AIR LIFT SYSTEM & RACK IN DERRICK. FIN LD PIPE IN DERRICK LEFT FROM HAMMERHEAD.

\*\*\* WE PLAN TO MOVE BACK TO LOC WHEN THIS ICE PAN CLEARS. DRIFT OF PAN IS 3 K HEADED NORTH.

Number of Accidents Last 24 Hrs: 0

Number of Accidents Year to Date:

Pump Pressure @ Kill Speed:

Last BOP Test: 09/05/85

Directional Surveys

Coordinates of Last Shot

Depth	Angle	Direction	Depth	Angle	Direction	M D	Angle	Direction

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TVD Sec N / S E / W

DEC 06 1985

TIME	Rotating	13.00	Trips	Survey	Jet
	Cum. Rot		D.D.	C & C	Cut DL
(HRS)	BHA Insp		Reams.	Repair	Other 11.00

COST DATA

REGIONAL SUPERVISOR

FIELD OPERATION

MINERALS MANAGEMENT SERVICE

OCS DISTRICT OFFICE

Daily Well \$

Cumulative Well \$

NOV 22 1985

Authorized \$

(+/-) MINERALS MANAGEMENT SERVICE

ANCHORAGE, ALASKA

HYDRAULIC DATA	Liner	Stroke	SPM	GPM	PSI	HP	AV / CV
	6.5	12					

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn

B	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
I											
T											
S											

B											
H											
A											

M	PPG	Grad	Vis	PV/YP	Gels	pH	Cake	W.-API	HTH-P/Temp	Mud Additions
U	Pf/Mf	IPm	Cl	Ca	Sand	Solids	Oil%	MBT	Sulf.	Lime
D					%					
	3 PITS OF THICK SPUD MUD MIXED.									

CONFIDENTIAL

09/27 08:38

8308047

#01 OF 01

Rig Name EXPLORER 11

Elevation KB to MSL 38.7

Shell Drilling Foreman FOX, ROTH

Water Depth 117

Present Activity CLEANING FILL FROM GLORY HOLE

Field CORONA

Prog. Depth 10000

Day Number 1

Use OCS-Y 871

Present Depth 180

Est. Days

Well Number # 1

Footage Drilled 0

Days +/-

Work Order # 266121

Size & Depth of Last Casing:

" @

SUMMARY OF OPERATIONS

- 2.0 HRS. MOVE TO LOC. W/ ITECK.
- 3.5 HRS. RUN 4 PRIMARY ANCHORS. RIG UP TO RUN GH BIT. GUIDE RIG OVER HOLE W/ SIDESCAN SONAR. RIG OVER GLORY HOLE @ 1220, 9/25.
- .5 HRS. WORKING ON GH BIT HYDRALLICS -- FCT TEST BIT IN MOON POOL.
- 2.5 HRS. RIH W/GH BIT ON 3 JTS. OF RISER. PU DIV SUB & KELLY. TAG FILL @ 172.2'. 13' OF FILL. RIGGING UP FLOW-LINE.
- 1.0 HRS. JUMP DIVERS. INSPECT & MAP GH.
- 2.0 HRS. NU FLOW LINE.
- 12.5 HRS. WASHING FILL W/ GH BIT. BIT STALLED TWICE ( TAKES ABOUT 30 MINUTE PU AND RESTART ), HAD FILL CLEANED OUT TO 183' AT 0400. PICKED UP TO RE-ALIGN STRING AND HAD 3 FOOT OF FILL WHEN TAGGED BACK UP. AT 0600 AT 180 CLEANING OUT FILL.

Number of Accidents Last 24 Hrs: 0 Number of Accidents Year to Date: Last BOP Test: 09/05/85

Pump Pressure @ Kill Speed:

Directional Surveys						Coordinates of Last Shot	
Depth	Angle	Direction	Depth	Angle	Direction	M D	Direction
							RECEIVED
							Anchorage, Alaska
						TVD	DEC 06 1985
							Sec N / S / E / W

TIME (HRS)	Rotating	Trips	Survey	Jet
	Cum. Rot	D.D.	C & C	Cut DL
	BHA Insp	Reamg.	Repair	Other 24.00

REGIONAL SUPERVISOR  
FIELD OPERATION  
MINERALS MANAGEMENT SERVICE  
RECEIVED  
OCS DISTRICT OFFICE  
COST DATA  
NOV 2 1985

HYDRALLIC DATA	Liner	Stroke	SPM	GPM	PSI	HP	AV / CV
	6.5	12					/

MINERALS MANAGEMENT SERVICE  
ANCHORAGE, ALASKA  
Author: ( +/- ) Target

DRILLING DATA	Hook Load	Bit Weight	RPM	Torque	Drag Up/Dn

B I T	Bit	Size	Type	Serial	Jets	T.B.G.	In	Out	Footage	Hours	Ft/Hr
T S									0		

\*\*\*\*\* NOTE \*\*\*\*\* RIG REL BY UNION TO SHELL @ 1920 HRS 9/24/85 WHEN LAST ANCHOR UP. BARGE & TUG ARTIC BEAR REL @ 2145 9/24/85.

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PPG	Grad	Via	PV/YP	Gels	pH	Cake	WL-AP1	HHP/Temp	Mud Additions
M	0								329 GEL
									3 CALDTIC
									4 SODA ASH
									5 GELEX
									1 DRISFAC

