

TWDunaway
6-9-77

June 9, 1977

8000 6/9/77

Union Oil Company of California
2427 Harbor Boulevard
Ventura, CA 93003

Attention: Mr. Ray M. Barnds

Gentlemen:

Your letter of May 12, 1977 contained as an attachment a Supplementary Plan of Development for Platform "C", Dos Cuadras Field, lease OCS-P 0241. Under this drilling program, Union plans to utilize two drilling rigs - one slant (14 wells) and one vertical (12 wells).. Also submitted, was data showing the average well spacing, proposed completion methods, and sand completion intervals.

This Supplementary Plan of Development has been reviewed and is approved effective June 9, 1977.

Union is reminded that a drilling plan for each well must be approved by the Santa Barbara District Engineer. You are also reminded, that any departures from the plan as submitted, either after results from initial wells are analyzed or when recompletions commence, should preclude, as far as possible, the cross connecting of individual zones as occurred on Platforms "A" and "B".

Sincerely yours,

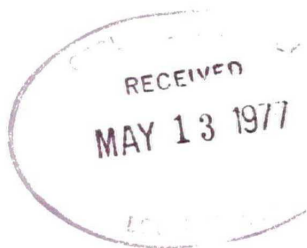
(Orig. Sgd.) F. J. SCHAMBECK

F. J. Schambeck
Oil and Gas Supervisor
Pacific Area

cc: Conservation Manager, Western Region
District Geologist, L.A.
District Engineer, Santa Barbara (w/cy. of Union's letter of
May 12, 1977 and cy. of Geologist's letter of June 2, 1977)
OCS-P 0241 Platform "C" ~~copy~~ This Copy for
TWDUNAWAY/fls

Union Oil and Gas Division: Western Region

Union Oil Company of California
Southern California District
2427 Harbor Boulevard, Ventura, California 93003
Telephone (805) 642-0376



Ray M. Barnds
District Operations Manager

May 12, 1977

Mr. F. J. Schambeck
Oil and Gas Supervisor
Pacific Area
U. S. Geological Survey
300 No. Los Angeles Street
Los Angeles, CA 90012

File:

Supplementary Plan of Development
Platform "C", Dos Cuadras Field,
OCS P-0241

Dear Mr. Schambeck:

Please find enclosed a Supplementary Plan of Development for the proposed drilling program from Platform "C", Dos Cuadras Field. Table I of the attached plan shows the proposed drilling schedule utilizing two rigs. Table II shows the sand intervals, the wells to be completed in each interval, and the average well spacing in each interval. Table III shows the proposed completion method of each well to be drilled. Gravel pack completions will be made using 10-20 gravel and 90 gauge, 20-mesh wire wrapped, continuous-weld liners. The attached Exhibit I summarizes the data presented in Tables I-III.

If you have questions concerning this Supplementary Plan, I will be glad to meet with you to discuss the matter.

Sincerely yours,

GEB:smg
Enclosures

TABLE I
PLATFORM 'C' DRILLING SCHEDULE

Slant Rig				Vertical Rig			
Order	Well	Wellroom ⁽¹⁾	Interval	Order	Well	Wellroom ⁽¹⁾	Interval
1	15	V	H1Q	1	28	V	GQ
2	1	V	GQ	2	41	V	H1Q
3	57	S2	CP DP	3	27	V	FQ
4	54	S2	FQ	4	42	V	FP
5	49	S1	EP	5	30	V	DQ
6	50	S1	DQ	6	16	V	FQ
7	47	S1	FP	7	2	V	FP
8	59	S2	EP	8	3	V	EP
9	56	S2	EP	9	4	V	EP FP
10	60	S2	FP	10	29	V	CP DP
11	53	S2	CP	11	13	V	GP
12	48	S1	CP DP	12	14	V	EQ
13	32	V	DP				
14	31	V	CP				

(1) V = Vertical Wellroom
S1 = Northwest Slant Wellroom
S2 = Northeast Slant Wellroom

TABLE II
PLATFORM 'C' INTERVAL SPACING

<u>Interval</u>	<u>Wells Completed in Interval</u>	<u>Average Spacing, Acres/Well</u>	<u>Range</u>
CP	C-29, 31, 48, 53, 57	11.5	6.3-19.3
DP	C-29, 32, 48, 57	19.2	15.2-26.5
EP	C-3, 4, 49, 56, 59	11.1	9.8-13.7
FP	C-2, 4, 42, 47, 60	11.1	7.5-13.3
GP	C-13	25.8	25.8
DQ	C-30, 50	15.8	10.0-21.6
EQ	C-14	4.0	4.0
FQ	C-16, 27, 54	17.5	16.6-18.0
GQ	C-1, 28	9.6	8.9-10.3
G2Q	C-1, 28	10.0	9.1-10.9
H1Q	C-15, 41	25.5	20.9-30.0

TABLE III
PLATFORM 'C' WELL COMPLETIONS

Slant Rig				Vertical Rig			
<u>Order</u>	<u>Well</u>	<u>Completion Interval(s)</u>	<u>Type Completion</u>	<u>Order</u>	<u>Well</u>	<u>Completion Interval(s)</u>	<u>Type Completion</u>
1	15	H1Q	Jet Perf.	1	28	GQ	Gravel Pk.
2	1	GQ	Gravel Pk.	2	41	H1Q	Jet Perf.
3	57	CP DP	" "	3	27	FQ	Gravel Pk.
4	54	FQ	" "	4	42	FP	" "
5	49	EP	" "	5	30	DQ	" "
6	50	DQ	" "	6	16	FQ	" "
7	47	FP	" "	7	2	FP	" "
8	59	EP	" "	8	3	EP	" "
9	56	EP	" "	9	4	EP FP	" "
10	60	FP	" "	10	29	CP DP	" "
11	53	CP	" "	11	13	GP	" "
12	48	CP DP ✓	" "	12	14	EQ	" "
13	32	DP	" "				
14	31	CP	" "				