



SUPPLEMENT TO
ENVIRONMENTAL REPORT
HUENEME OFFSHORE PLATFORM,
PIPELINE, AND ONSHORE FACILITY

March 8, 1979



SUPPLEMENT TO

ENVIRONMENTAL REPORT

BURNING OF PETROLEUM PRODUCTS

TECHNICAL AND OPERATIONAL FACILITY

March 2, 1979

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I. SEISMIC RISKS:

Geotechnical Consultants, Inc. completed in March, 1976, a geotechnical investigation of the site of the Hueneme platform. Under Conclusions and Recommendations 1.0 General Page 24 of the subject investigation, the following statement is made.

"Based on the results of our exploration, laboratory testing and analysis, it is our opinion that it is geotechnically feasible to erect a fixed-legged platform on the site as proposed, provided that the conclusions and recommendations presented in this report are incorporated

For your further consideration a complete copy of the geotechnical report is attached.

II. PREDEVELOPMENT WATER COLUMN QUALITY

Although many investigations of this type have been made in the general area, this type investigation has not been made at the site-specific. Union's intention is to perform this task in conjunction with the required hazard surveys and current measurements which will be undertaken for preparation of the E.I.S.

III. SPILL CONTAINMENT AND CLEAN UP EQUIPMENT

Spill containment and clean up equipment to be maintained on the platform will include the following items:

1. 1,000' of oil containment boom.
2. An oil pick-up device (skimmer).
3. The proper quantity of an approved chemical dispersant.
4. Such other equipment as required by the Area Supervisor.

IV. CRITICAL OPERATIONS AND CURTAILMENT PLAN

The following plan is designed to cover Union Oil Company of California's operations OCS P-0202 and 0203. The intent of this Plan is to minimize as far as practicable performing certain critical drilling and production operations during those times when wind and/or sea conditions would seriously impede containment and cleanup of any oil spilled on the water, or seriously interfere with communications or transportation to the drilling platform of any material needed in an emergency. "Critical Operations" are defined as those operations where a significant spill potential exists.

List Of Critical Drilling Operations On Offshore Wells

- A. Spudding in when in close proximity (within 20') of another pressurized well.
- B. Pulling out of hole if a production formation capable of flowing oil or gas to the surface is exposed.
- C. Drilling in a known lost circulation zone if a formation capable of flowing oil or gas to the surface is exposed or will be exposed while lost circulation conditions exists.

- D. Formation (drillstem) testing.
- E. Running casing if a formation capable of flowing oil or gas to the surface is exposed.
- F. Cutting and recovering casing if a formation capable of flowing oil or gas to the surface is exposed.
- G. Conducting well logging or wire line operations.
- H. Perforating for production.
- I. Major maintenance work involving welding or moving heavy equipment.

Circumstances Under Which Critical Drilling Operations
Will Be Curtailed

Critical drilling operations as defined above will not be commenced or conducted under the circumstances listed below:

NOTE: If a critical operation is in progress when one of these circumstances arises, the District Engineer, U.S. Geological Survey will be notified and the continuation or cessation of the critical operation will require the approval of the District Engineer and shall be based on a determination whether immediate cessation of the operation might endanger the well or increase the risk of oil spillage.

- A. When significant wave height is such that transportation or containment and clean up operations would be seriously hampered.
- B. When winds exceed 40 knots.

- C. When the bulk of Clean Seas Inc., or Los Angeles Harbor contractor containment and clean up equipment is out of the area or is being fully utilized at a spill in the area.
- D. When there are not enough boats in the area to deploy the necessary booms and skimmers.
- E. When there is an insufficient supply of drilling fluid materials to control the well.
- F. When the emergency containment and clean up equipment is not at the approved location or is not maintained in good working order.
- G. When fog is so dense that visibility on the structure is limited.
- H. When the manpower required to safely conduct the critical operation is not available.

If an unusual storm that endangers the safety of the platform should occur, or if the platform is threatened by fire from a spill from another facility, all operations will be suspended and the wells shut-in in a safe and secure manner until the emergency is over.

V. UNION OIL COMPANY OF CALIFORNIA
OIL SPILL CONTINGENCY PLAN

Attached for your information is a copy of Union's oil spill contingency plan. This plan was reviewed and where necessary updated in February, 1979. When the Hueneme platform

is installed and previous to any drilling or production operations, the plan will be revised to reflect any changes which might be needed.

UNION OIL COMPANY OF CALIFORNIA
SOUTHERN CALIFORNIA DISTRICT
VENTURA AREA

OIL SPILL CONTINGENCY PLAN

Revised: 10/77
Revised: 2/79

D. E. Gluyas

OIL SPILL CONTINGENCY PLAN

POLICY

The policy of Union Oil Company concerning environmental matters is to vigorously support conservation of natural resources in all operations. The Company will design, construct, and conduct all operations in strict compliance with all applicable governmental regulations. The best available technical and engineering information will be utilized to achieve the safest possible operation.

The Company will make every reasonable effort to prevent, contain, and clean up oil spills and shall cooperate with others towards such ends.

Union Oil Company will retain responsibility and authority for the direction and supervision of clean-up operations of spills occurring from facilities we operate.

Type of Spills

- | | |
|----------|---|
| Type I | Blowout of drilling or workover well. |
| Type II | Submarine pipeline failure. |
| Type III | Rupture of production piping, vessels, etc. |
| Type IV | Very minor spills such as drain overflows. |

The Type I spill could be a major on-going spill requiring the full use of all available equipment.

The Type II spill would be limited in volume and immediately controlable. All or part of the CSI equipment might be necessary for adequate control.

The Type III spill would be in the minor category (10,000 gallons or less), and could be cleaned up with "first aid" equipment maintained on the platforms.

The Type IV spill will normally be in the range of 100 gallons or less. In the Santa Barbara Channel, this type spill will dissipate within minutes.

The general properties of the potential pollutants are as follows:

- a) API gravity 25 to 27 degrees at 60°F.
- b) Black is color.
- c) Tends to become very thick and form heavy "wind-rows."

In the event of a spill, the Southern California District Operations Manager will be in charge of the overall activity. Additionally, he will maintain contact with Home Office Management, Home Office Public Relations Personnel, and give instructions and directions to the Cleanup Coordinator.

The Cleanup Coordinator shall be completely familiar with available equipment, men and supplies. He shall keep the District

Operations Manager informed on all phases of the operation, make recommendations, and give direction to the various activities. An organization chart to implement the cleanup operations and control the spill is shown in Exhibit II.

SOUTHERN CALIFORNIA
DISTRICT OPERS. MGR.
RAY M. BARNDS

Public Relations
Home Office

Secretary
Virginia McCutcheon

CLEANUP COORDINATORS
R. C. Keller
D. E. Gluyas

Secretary
Earleen Brock

PLATFORM OPR.
Howard E. Henley

WELL CONTROL
Mac Laurie
Steve Heiter

PLATFORM FOREMAN
Opr. Personnel

Dick Glass
Buz Morton

Minor Spill Cleanup

Carpenteria Pier
Al Morrison

C.S.I. SKIMMER
Jon Cronk
Ken Ito

COMMUNICATIONS
D. C. Gullickson

CONTRACT PERSONNEL

TECHNICAL ASST.
J. Robinson

MARK II SKIMMER
Cal Miles

CLAIMS
Grant Burrows

B-T BOOM
John Wollaston
Bob Lauenstein

LÉGAL
D. C. Gearhart

HARBOR PROTECTION
Jim Buckingham

PERMITS, ETC.
K. J. Robertson

BOAT TRANSPORT & MAT.
Bob Andrews

BEACH PROTECTION &
CLEANUP
Arch Pratt

COST ACCOUNTING
Glen Roberts
Roy Alsup

Supervisors from other
Districts

CSI Personnel

Contractors

OIL SPILL CONTINGENCY PLAN

PERSONNEL

In addition to the personnel listed in the Organization Chart, four men working on the platforms have been trained as foremen and can be used either in the cleanup activity or as platform supervisors; thus, releasing the permanent foremen for cleanup work. Within twelve to twenty-four hours, supervisors from the other districts, as well as Home Office, Research, and Refinery personnel can be made available for the various jobs.

Clean Seas Incorporated personnel will be available. The C.S.I. manager and any other full-time employees will be used to mobilize and place in operation the various items of C.S.I. equipment. If necessary, the C.S.I. offices in Santa Barbara will be used as a field command post and used by Union Oil Company personnel.

I M M E D I A T E L Y

IN CASE OF AN OIL SPILL OR IF YOU SEE ANY UNIDENTIFIED SPILL,
CALL IN THIS ORDER:

1. Donald E. Gluyas - [REDACTED] [REDACTED]
2. Howard E. Henley - [REDACTED] [REDACTED]
3. Richard C. Keller - [REDACTED] [REDACTED]

If one of the above is contacted, that is all that is necessary;
if not, call:

4. U.S. Coast Guard:
 - a. Always call the toll-free National Response number - 800-424-8802.
 - b. Notify one of the following local stations:
Santa Barbara - 962-7430
Channel Islands - 985-9822
Long Beach - (213) 590-2225

After notifying the Coast Guard, call:

5. U.S.G.S. - Ventura Office - 648-5131 or 648-5132
Mike Reitz [REDACTED] [REDACTED]
Denny Rau - [REDACTED] [REDACTED]
Ray Cortright - [REDACTED] [REDACTED]

When reporting to the Coast Guard, be brief. Do not attempt to estimate amount of spill. Do not attempt to explain what happened. Read Union Oil pamphlet "Providing Information to Environmental Agencies." Every attempt should be made to contact one of the three Company people. If they are not available, report to the Coast Guard and the U.S.G.S. - then locate Company people.

Donald E. Gluyas
Donald E. Gluyas
Area Production Superintendent

Revised: 10-19-77

OFFSHORE OIL SPILL REPORT

1. Time reported to Area Production Superintendent: _____
2. Location of spill (platform or location): _____
3. Date and time spill was discovered (or started): _____
4. Date and time spill was stopped or contained: _____
5. Estimated or actual amount (barrels) spilled: _____
6. Time cleanup started: _____
7. Time cleanup completed: _____
8. Equipment and personnel used in clean up:
 - a. Number of personnel: _____ Company _____ Contract _____
 - b. Boats: _____
 - c. Type of material: _____

 - d. Other: _____
9. Cause of spill (if unknown, please state): _____

10. Has cause of spill been corrected: _____
If no, give approximate date of correction: _____
11. Changes to prevent recurrence: _____

12. When were (or will be) changes made: _____

13. If a Superintendent could not be reached, what time were the following Government Agencies contacted:
 - a. National response number (800-424-8802): _____
 - b. U.S. Coast Guard (designate which station and time): _____

 - c. U.S.G.S. (person and time): _____

Signature of person submitting report: _____

KEY PERSONNEL - HOME TELEPHONE NUMBERS

ALSUP, Roy

[REDACTED]

ANDREWS, Bob

[REDACTED]

BARNDS, Ray

[REDACTED]

BEATTIE, Bob

[REDACTED]

BUCKINGHAM, Jim

[REDACTED]

CRONK, Jon

[REDACTED]

GLASS, Dick

[REDACTED]

GLUYAS, Don

[REDACTED]

HENLEY, Howard

[REDACTED]

HEITER, Steve

[REDACTED]

ITO, Ken

[REDACTED]

KELLER, Rich

[REDACTED]

LAUENSTEIN, Bob

[REDACTED]

LAURIE, Mac

[REDACTED]

MILES, Cal

[REDACTED]

MORTON, Buz

[REDACTED]

MARSHALL, Dick

[REDACTED]

REED, George

[REDACTED]

REED, Hank

[REDACTED]

ROBERTS, Glen

[REDACTED]

WETTSTONE, Tom

[REDACTED]

WOLLASTON, John

[REDACTED]

CLEAN SEAS INCORPORATEDE M E R G E N C YCALL
962-9155
ASK FOR
PAGER #MOBILE

<u>CLEAN SEAS</u>	<u>TITLE</u>	<u>OFFICE</u>	<u>HOME</u>	<u>PAGER #</u>	<u>MOBILE</u>
C.W. WAAGE	MANAGER	(805)963-3488	(805)964-7056	#716	(805)963-5201
WELCH	FOREMAN	(805)684-4719	(805)525-2385	#714	
STEVE GODFREY	A. FOREMAN	(805)684-4719	(805)525-5983	#715	
RICK GILL	ROUSTABOUT	(805)684-4719	(805)684-1290	#844	
PEGGY HERRING	SECRETARY	(805)963-3488	(805)967-7607		
A.N. KIDD	PRESIDENT	(213)552-5776	(213)472-0933		
J.B. HUNDLEY	VICE.PRES.	(805)831-1600	(805)832-3916		
W.H. RYHERD	DIRECTOR	(805)969-5804	(805)964-2335		
DARRELL PIERSON	DIRECTOR	(213)385-0515	(213)986-9040		
R.M. BARNDS	DIRECTOR	(805)659-0130	(805)642-1477		
JOHN KEMP	P.R.	(805)965-3118	(805)964-3842		
SAS (YARD)	SECURITY	(805)963-0441	-----		
CARP.YARD	----	(805)684-4719	-----		(805)484-7098

<u>PARAMEDIC</u>	St.Barbara	(805)964-9811	
	Ventura	(805)648-3311	
	San Luis	(805)543-1212	
<u>HOSPITALS</u>	St.Barbara	(805)963-1661	Cottage
		(805)962-7661	St.Francis
	Goleta	(805)967-3411	Valley
	Ventura	(805)648-7811	Community
	Oxnard	(805)483-1141	St.Johns
	San Luis	(805)543-5353	French
<u>DOCTORS</u>	Carpinteria	(805)684-4119	Wagner
	St.Barbara	(805)965-8521	Smith
	Ventura		
	San Luis		
<u>FIRE</u>	St.Barbara	(805)965-5252	
	Carpinteria	(805)684-4111	
	Ventura	(805)643-6121	
	San Luis	(805)543-1212	
<u>FOLICE</u>	St.Barbara	(805)965-5151	
	Carpinteria	(805)684-4561	
	Ventura	(805)643-2121	
	San Luis	(805)543-2850	
<u>U.S.C.G.</u>	St.Barbara	(805)962-7430	Local
		(805)487-9822	S&R
		(800)424-8802	Anytime
	Oxnard	(805)985-9822	S&R
		(213)590-2225	
<u>FISH & GAME</u>		(805)964-7488	Capt.
		(213)590-5106	Inspector

<u>AMBULANCE</u>	St.Barbara	(805)964-9811
	Apollo	
	(Helicopte)	(805)967-0443
	Ventura	(805)648-3311
	San Luis	(805)543-2626
<u>HARBOR-MASTERS</u>	St.BRrbara	(805)963-1737
	Ventura	(805)642-8538
	Oxnard	(805)487-7711
	San Luis	(805)595-2031
<u>CARPINTERIA SLOUGH</u>	Mr. Webb	(805)684-2649
<u>GOLETA SLOUGH</u>	Mr.Campbell	(805)967-1300

CLEAN SEAS INCORPORATED

Inventory of Equipment and Materials

Status as of September 1978

I Containment

A. 2000' Bottom-Tension Boom:

This is a heavy duty, open ocean containment boom with 4' x 13' floats and 8' curtain, extending 3-1/2' above water line and 4-1/2' below water line. Usually stored on land and deployed from beach, requiring 24 hours for 1000' length if unassembled. At the present time we are working on an assembled mode storage on land for 2000'.

Capability: Will contain oil in 6-8 foot significant waves and winds to 25 knots at currents up to 1-1/4 knots.

B. 1600' Vikoma Seapack and Seaboom:

2 Units

For very fast response to oil spills. The Vikoma Seapack is based on a 23 foot hull and contains 1600' of Seaboom connected at one end to a diesel driven fan and ducted propeller water pump. The Vikoma Seapack unit can be transported by road trailer, towed by a small vessel or carried on a work boat or tanker. It could also be transported by aircraft.

Capability: Experience over the past several years indicates this boom can be on a scene and deployed in less than an hour. It is effective in preventing spread of oil in significant waves up to 6 feet and winds of 20 to 25 knots. In the mode in which this boom is used, there is little or no current across boom which could cause loss of oil due to underflow. CSI exercises with this boom would parallel this in response and deployment time. Response is the major factor. Deployment is instantaneously accomplished on arrival at the site, 10-12 minutes.

C. Harbor Protection Boom:

- .. 2000 feet medium duty boom (16" x 12" skirt - Kepner Sea Curtain) for harbor protection.
- .. 2000 feet light duty (8" x 12" skirt - Kepner Sea Curtain) for secondary harbor protection:
- .. 1210 feet Goodyear Sea Sentry medium duty boom (14-1/2" x 24" without fence in 55 foot sections) for harbor protection.
- .. 5565 feet Expandi light to medium duty oil boom (12" x 18" skirt). This boom may be used for offshore rapid deployment for containment as well as harbor protection.
- .. 9100 feet Expandi medium duty oil boom (18" x 25" skirt). This boom would primarily be used for offshore rapid deployment and containment.

II Recovery

A. CSI Skimmer System:

One (1) CSI Skimmer System consisting of 45' x 17' a 6' catamaran-type adjustable weir skimmer barge, two 240' lengths of 30" Kepner Sea Curtain boom, a 2000 GPM pumping system and two 100 barrel oil-water, separation tanks or 5000 floating storage bag. For fast response, the skimmer with boom, floating storage bag, pumps, etc. on board is anchored in Santa Barbara harbor.

Capability: This system is capable of recovering all grades of oil from light to bunker C at rates up to 2000 GPM plus some debris and sorbent material in moderate sea states. Modification to this skimmer eliminates the necessity of the tanks by installing a pump onboard and a 5000 gallon floating storage bag. Also, may be pumped directly into the TM-VIII barge.

B. Mark-II Skimmer:

Two (2) Mark-II Skimmers, 14' x 30' weir type are available in Carpinteria Yard. These may be used, one on each side of a vessel, singularly with a vessel, or may be used independently with O/B Motors in a harbor situation. Recovery system can be either an 80 barrel, skid-mounted vacuum tank or compressed air driven Wilden pumps and 100 bbl. oil-water separation tanks, or a self-contained pump and floating 1200 gallon storage bag, all of which are available.

Capability: These are very simple skimmers and may be used in a number of ways to solve the particular problem at hand. All grades of oil from light to bunker C can be recovered plus small amounts of debris. Fluid recovery rates from 50 GPM to 200 GPM are available. These skimmers are limited to light winds and light sea states. Trailers capable of carrying these skimmers on the highway have been constructed.

C. Komara Miniskimmer:

One (1) Floating Disk Skimmer, hydraulically driven disk and pump. This pump is designed to collect oil in concentrated areas; ideal for containment booms. Will recover oil in open ocean in light sea conditions.

Capability: Fluid recovery rate 15 to 76 bbl/hr. Light weight, can be handled by manpower.

D. Floating Weir Skimmers:

Three (3) Floating Weir Skimmers, compressed air driven Acme-type pump. These were designed to collect oil concentrated in the B-T boom area and work in harbor areas and quiet waters.

Capability: These skimmers will handle light to fairly heavy oil with no debris in 2-3 foot waves. Fluid recovery rates are up to 300 GPM for each skimmer.

E. One (1) Acme 39T weir skimmer: Gasoline or air driven pump. This pump is designed to collect oil in somewhat heavy concentration. Ideal for harbor areas. Will recover oil in open ocean in light seas. Fluid recovery rates up to 340 GPM. Light in weight can be handled by two men.

Five (5) Acme 51T weir skimmers: Same as above and will recover oil in open ocean in light to moderate seas.

F. Tide-Mar VII Barge:

One (1) 641 ton tank barge, Tide-Mar VII, for collecting oil picked up by skimmers as they work in an oil spill. This is a 160' x 39' x 13' ocean going barge with 10 tanks, capacity of 7840 barrels, and six diesel engine driven pumps. Presently moored in the harbor at Ventura, California.

G. Air Driven Pumps:

Two (2) M15 Wilden double diaphragm pumps used with MK-II Skimmers and miscellaneous equipment.

H. Floating Storage Bags:

2 - 5000 gallon Kepner Floating Storage Bags

6 - 1200 gallon Kepner Floating Storage Bags

These bags to be used as interim storage awaiting arrival of the Tide-Mar VII or similar tank barge/vessels.

I. Cyclonet 050:

One (1) Cyclonet 050 skimmer fitted to a Zodiac Mark V inflatable dinghy. This skimmer is primarily for protected and semi-protected waters but may be used in the open ocean in light sea conditions. This skimmer is self-propelled, contains a pump system and small oil storage.

Capability: The system is capable of recovering up to 100 gallons per minute; may be towed or carried onboard a vessel enroute to area of use.

III Miscellaneous

A. Absorbents & Chemicals:

A large inventory of absorbents, including Conwed: sweeps, blankets, booms, rugs; 3M Company: sweeps, sheets, booms and Dow Imbiber bags and blankets; also, smaller quantities of Oil Herder are kept in the Carpinteria Warehouse.

Included are: 101 boxes of booms (3376'), 138 boxes sweeps and sheets, 100 per box; 9 rolls of blankets, 300' each; 7 rolls of rugs, 300' each; 18 boxes of sweeps, 100' each. The above are from Conwed and 3M Company.

199 Dow Imbiber blankets.

11 boxes of Oil Snare.

Additional quantities are available as "back-up" from warehouses in the Los Angeles area.

B. Work Boat:

One (1) 19' Larson skiff with 75 HP Johnson motor, kept in Santa Barbara Harbor or CSI's yard, for use as work boat around skimmers and barge.

Three (3) 14' aluminum skiffs w/OB, (1) Van in Carpinteria, (1) Van in Ventura, 1 Van in Avila Beach.

One (1) 21' Monark Utility Boat with D/B for use as a work boat, stored at Carpinteria.

One (1) 10' Avon rubber raft w/OB, stored at CSI's yard.

C. Truck:

One (1) 2-1/2 ton, used to tow Vikoma Seapcak, boats, haul boom, absorbents, etc.

D. Compressor:

One (1) Gardner-Denver 600 CFM rotary, diesel engine driven wheel mounted compressor stored in Carpinteria Yard. Usually used with air tools and to drive the Exxon Floating Weir skimmers, Acme skimmers or the Wilden pumps.

E. Lines, Hoses, Tools:

Complete set of all necessary sizes of nylon and poly lines for deploying and towing booms and skimmers. All hoses are fitted with Camlock fittings. Air hoses for compressors and complete sets of tools for all equipment.

F. Radio Communications System:

A complete, clear channel, radio system on 40.04-48.62 MHz., provides solid communication throughout the CSI area of interest. This system consists of:

- 1 base station in Santa Barbara office
- 1 base station in Carpinteria Warehouse
- 1 portable base station (installed in Mobile Communication Center)
- 1 repeater on Santa Ynez Peak
- 2 mobile unit in Manager's car, all trucks
- 20 portable Handie-Talkie Units.

G. Oil Mop MK-II-9

Two (2) MK-II-9 Oil Mop Systems each consisting of a two-wheel trailer, oil mop machine, tail pulleys and 400' of 9" mop.

Capability: This system is primarily used in protected waters, will recover all grades of oil. Maximum capacity 100 bbls/hr.

H. 40' Enclosed Trailer Vans:

Eight (8) Trailers stocked with booms, absorbents, small skimmer, miscellaneous cleanup equipment. Will be stored in strategic locations in our area of interest.

One (1) 36' Flatbed Trailer for use with 100 bbl vacuum tank.

I. 25' Mobile Communications Center:

Has mobile base station, portable radios, auxiliary electrical power and all other equipment for self-containment.

J. 100 bbl. Skid-Mounted Vacuum Tank:

1 - 100 bbl. Vacuum Tank used with MK-II skimmers or may be used independently.

K. 100 bbl. Oil/Water Recovery Tanks:

2 - Oil/Water Recovery Tanks, Coast Guard approved. Use with CSI or other skimmer systems.

L. 100 bbl. Flat Storage Tanks:

4 - 100 bbl. Flat Storage Tanks. Used with all skimmer systems.

- M. 1 Bridger Shoulder Line Gun w/ rewinding machine, Model N w/ accessories, for use with Vans in boom launching operations.
- N. 6 M-3 Scare-Away Exploders, bird frightening devices. Operates automatically on LP-gas.
- O. 1 Wiggins Model WD 44 Forklift 4000#.
- P. 1 Vikoma Seaboom Vulcanizer machine. (Repair of boom)
- Q. 1 Power Block for Vikoma Boom recovery.
- R. 25 Drums Corexit #9527
- S. 2 Helicopter Chemical Dispersant Spray Units, Simplex Model 2000, w/150 gal. buckets and 32' boom
- T. 1 Surface Chemical Dispersant Spray Unit, pump, booms and mountings for different types of vessels.

OTHER COMPANIES OIL SPILL EQUIPMENT

(PER 1/79 CLEAN SEAS, INC. MANUAL)

Company	Quantity	Item	Location
Atlantic-	300'	Kepner Sea Curtain boom	Platform Holly
Richfield	500'	Whittaker 30" Expandi-Boom	Platform Holly
	1	Acme 5IT skimmer unit	Platform Holly
	5 bales	3M Type 156 sorbent	Platform Holly
	2 drums	Shell oil herder	Platform Holly
	600'	Conwed sorbent boom	Rincon Is.
	4 bales	3M Type 156 sorbent	Rincon Is.
	3 drums	Shell oil herder	Rincon Is.
Chevron	360'	Conwed sorbent boom	Platform Hope
U.S.A.	2 boxes	Conwed pre-assembled sweeps	Platform Hope
	2 boxes	Conwed sweeps	Platform Hope
	360'	Conwed sorbent boom	Platform Heidi
	2 boxes	Conwed pre-assembled sweeps	Platform Heidi
	2 boxes	Conwed sweeps	Platform Heidi
	1	Unitized skimmer system w/ storage	Platform Heidi
	300'	8" Kepner Sea Curtain boom	Platform Heidi
	360'	Conwed sorbent boom	Platform Hazel
	2 boxes	Conwed pre-assembled sweeps	Platform Hazel
	2 boxes	Conwed pre-assembled sweeps	Platform Hazel

(1)

Company	Quantity	Item	Location
Chevron	360'	Conwed sorbent boom	Platform Hilda
U.S.A.	2 boxes	Conwed pre-assembled sweeps	Platform Hilda
(cont.)	2 boxes	Conwed sweeps	Platform Hilda
	1	Unitized skimmer system w/ storage	Platform Hilda
	5 boxes	Conwed sorbent booms (3-8' pieces/ box)	Morro Bay
	10 35 lb.		
	bags	Conwed sorbent fibers	Morro Bay
	10 pkgs.	3M Oil sorbent sheets-type 151 (200 sheets/package, 3/16" thick)	Morro Bay
	10 pkgs.	3M oil sorbent sheets-type 156 (100 sheets/package, 3/8" thick)	Morro Bay
	20	3M oil sorbent booms-type 270 (10' each)	Morro Bay
	5	3M oil sorbent sweeps-type 126 (100' each)	Morro Bay
	3-1/2	3M oil sorbent rolls-type 100 (150' each)	Morro Bay
	3	3M oil sorbent pillow (approx. 2' x 1-1/2' each)	Morro Bay
	10	Boxes 45 gallon plastic trash bags (100 bags each)	Morro Bay
	2	Bales burlap sacks (approx. 500 sacks each)	Morro Bay
	200	Bales excelsior	Morro Bay
	1	Acme sk 51T-A1.7 tunnel skimmer, gasoline-engine driven	Morro Bay

Company	Quantity	Item	Location
Chevron	1	3000' Kepner sea boom	Morro Bay
U.S.A.	3	Pumps (1 Jaeger, 1 Wilden, 1 Rex)	Morro Bay
	1	Air compressor	Morro Bay
	10	Portable radios	Morro Bay
	1	Emergency light plant (lights, generator)	Morro Bay
	Misc.	Suction Hoses	Morro Bay
	Misc.	Shovels, rakes, asphalt lutes (approx. 100 each)	Morro Bay
Exxon Co.,	1000'	Whittaker 43" Expandi boom	Platform Hondo
U.S.A.	1	Komara Mini-Skimmer system	Platform Hondo
	1	Dunlop 1000-gal dracone	Platform Hondo
	20	Cyalume chemical lights	Platform Hondo
	5 bales	3M type 156 sorbent	Platform Hondo
	2 drums	Corexit 9527 dispersant	Platform Hondo
	2 drums	OC-5 collectant	Platform Hondo
	1	Hudson sprayer	Platform Hondo
	1	21' Boston whaler w/ 2-70 hp outboards	Platform Hondo
Getty Oil	1*	25' boom launch w/ 225 hp engine and 500' of 8" x 12" boom	Santa Barbara
	1*	25' boom launch w/ 225 hp engine and 500' of 10" x 16" boom	Ventura

(3)

*Owned jointly by Union Oil.

ATTACHMENT II, Exhibit 8 (addition) 2/79

Company	Quantity	Item	Location
Mobil Oil	29 boxes	Conwed sorbent pads (110 pads/box)	Ferguson Lease
	1	21' Boston whaler (135 hp and trailer)	Ferguson Pier
	608'	3M type 270 sorbent boom in container	Ferguson Pier
	30 bales	Excelsior	#2 Tank Farm-Padre Lease
	4 bales	Excelsior	Compressor House-Padre Lease
Phillips	6	Conwed sorbent blankets (3' x 200')	Tajiguas site
Petroleum	4 boxes	Conwed sorbent sweeps (120 pads/box)	Tajiguas site
	4 boxes	Conwed sorbent sweeps (120 pads/box)	Platform Hogan
	3	Conwed sorbent blankets (3' x 50')	Platform Hogan
	160'	3M type 270 sorbent boom	Platform Hogan
	3	3M type 120 sorbent sweeps (22"x100')	Platform Hogan
	500'	Slickbar 6"x10" boom	Platform Hogan
	1	MIMCO saucer skimmer w/ motor	Platform Hogan
	5 drums	Corexit 7664 dispersant	Platform Hogan
	2 boxes	Conwed sorbent sweeps (120 pads/box)	Platform Houchin
	4	Conwed sorbent blankets (3' x 150')	Platform Houchin
	160'	3M type 270 sorbent boom	Platform Houchin
	4	3M type 120 sorbent sweep (22" x 100')	Platform Houchin

(4)

Company	Quantity	Item	Location
Phillips	500'	Slickbar 6" x 10" boom	Platform Houchin
Petroleum	1	MIMCO saucer skimmer w/ motor	Platform Houchin
(cont.)	1	175 cfm compressor for use with booms on platforms Hogan/Houchin	Platform Houchin
	5 drums	Corexit 7664 dispersant	Platform Houchin
	6	Conwed sorbent blankets (3' x 50')	La Conchita site
	4 boxes	Conwed sorbent sweeps (120 pads/box)	La Conchita site
	10 bbl	Corexit 7664 dispersant	CSI Yard Carpinteria
Sun Oil	1200'	Slickbar 6" x 10" boom	Platform Hillhouse*
	1	36" Acme skimmer w/ motor	Platform Hillhouse*
	1	Holman air compressor	Platform Hillhouse*
	10 drums	Corexit 7664 dispersant	Platform Hillhouse*
	200'	Conwed sorbent boom	Platform Hillhouse*
	120	Conwed Petro-mesh sorbent pillows	Platform Hillhouse*
	500'	Whittaker 30" Expandi-boom	Mobile drilling rig
	10 drums	Corexit 7664 dispersant	Mobile drilling rig
Texaco	2	1200-gal floating oil containers	South Mountain Warehouse
	1722'	Whittaker 30" Expandi boom w/ towing line and adapters	South Mountain Warehouse

(5)

*After completion, Platform Henry will be outfitted similarly.

ATTACHMENT II, Exhibit 8 (addition) 2/79

AVAILABLE EQUIPMENT INVENTORIES

VENTURA AREA

American Welding Company
1070 North Ventura Avenue
Ventura, California 93001
(805) 643-4275

Roustabout crews

Barnett Trucking, Inc.
136 Telegraph Road
Post Office Box 416
Fillmore, California 93015
(805) 524-2377

4 - 100-barrel vacuum trucks
5 - 60-barrel vacuum trucks
2 - A-frames
1 - bobtail
7 - Semi's
1 - Forklift
2 - Pickups
2 - Lowbeds

Bruce's Transport Service
Post Office Box 1457
Ventura, California 93001
(805) 648-5344

3 - 3/4 Ton trucks
1 - one ton truck
2 - 5 ton trucks
2 - 10 ton trucks
5 - truck-tractors
10 - 40' Trailers

Ecology Control (Formerly J & G)
2567 No. Ventura Avenue
Ventura, California 93001
(805) 648-5123

9 - 100-barrel vacuum trucks
5 - 60-barrel vacuum trucks

Petroleum Construction, Inc.
1350 East Santa Paula Street
Post Office Box 592
Santa Paula, California 93060
(805) 525-2144

SEE ATTACHED

Trico Superior, Inc.
Post Office Box 4787
1804 Lirio
Ventura, California 93003
(805) 647-4166

Roustabout crews
3 - A-frames
2 - Forklifts
1 - Skiploader

Van Construction Company
1585 South Lirio Street
Ventura, California 93003
(805) 647-1103 or 647-5757

Roustabout crews
10 - A-frames
D6 Dozer w/side boom
Lowbed
1000 gallon water truck
Air compressors
Rubber tired loader
1 yard Backhoe

AVAILABLE EQUIPMENT INVENTORIES

VENTURA AREA

Reed Land Clearing, Inc.
1676 North Ventura Avenue
Ventura, California 93001
(805) 648-3075

Cat 922 1-1/2 Cu Yd Skiploader
Cat 944 2-1/2 Cu Yd Skiploader
Cat 950 3 Cu Yd Skiploader
Cat 966A 3-1/2 Cu Yd Skiploader
Cat 966B 3-1/2 Cu Yd Skiploader
Cat 977 skiploaders
Cat 977 skiploader with rock bucket
Cat 12F Grader
Backhoes - rubber tired 12", 18", 24", 30"
D-6 "C" dozer
D-6 with slopeboard
D-7 dozer with rippers
D-7 dozer with root knife
D-8 dozer 15A with hyster winch and
rock rake
D-8 dozer 46A with rippers
6' Essick vibrating sheepsfoot
6' Essick vibrating smooth roller
9' Brush disc
4 x 4 Double drum pull sheepsfoot
10 to 12 Cu Yd dump trucks
Semi dump truck, high volume demo 54 Cu Yd
Semi rock trailer
K.W. heavy duty tractor and lowbed

Description of Equipment

DOZERS

JD 450 Crawler w/Sideboom.

GENERATORS

Portable Single Phase Generator. :
Miller, 10KW Single Phase.

POWER SAWS, DRILLS & GRINDERS

Skill Saw.
Power Drills :
Power Grinder.
Chain Saw.
Roto Hammer.

PIPELINE EQUIPMENT

Pipe Benders
Pipe Locator
Pipe Wrapper
Pipe Line-up Clamps.
Power Threaders.
Victaulic Groovers 2" to 2-1/2"
Victaulic Groovers 3" to 4"
Reed Pipe Cutters 6" to 8"
Reed Pipe Cutters 9" to 12"
Reed Pipe Cutters 14" to 18"
Hot Tap Machine 1" to 2"
Hot Tap Machine 3" to 6"
Crossing Plates.
Holiday Detector
Pipe Beveling Machine, 1-1/2" to 4"
Pipe Beveling Machine, 4" to 8"
Pipe Beveling Machine, 8" to 12"
Arrow Hydra Hammer

PUMPS

2" Diaphragm - Hand Pump
3" Centrifugal
3" Diaphragm
Homelite Pump.
Test Pump.
3" Discharge Hose (50' each)
1-1/2" Discharge Hose (50' each)
1-1/2" Fire Hose (50' each).
3" Suction Hose
High Pressure Trlr. mounted test .
pump
Submersible electric
Butane pot w/torch

Description of Equipment

SAND BLASTER

Sand Blast Pot w/hoses + Sand
w/Air Compressor & 50' Hose

SKIPLOADERS

JD-300 Skiploader
JD-544 Skiploader

STEAM CLEANER

Clayton - Trailer Mounted
+ Cleaning Compounds

TRAILERS

2-Wheel Tool Trailers
4-Wheel Equipment Trailers

TRUCKS

Pickups
"A" Frame Trucks
Flat Bed Trucks
Crew Cabs
Crew Cabs 4-Wheel Drive
Truck 6-Wheel Drive
Dump Truck (5 yards)
5-Ton Bucyrus Crane (3 hr. Min.) . .
w/Clam Breaking Ball or Cement Buckets

MISCELLANEOUS EQUIPMENT

Acetylene Welding Equipment
Portable Lites
Portable Paint Rig
Special Small Tools
Tank Flange Cutters
Tar Pot
Transit
Trench Jacks
Welding
Step Jacks
Hydro Jacks, 1-12 Tons
Hydro Jacks, 20-50 Tons
Asphalt Roller, 1-1/2 to 2 Tons . . .
High Pressure Sprayer

EFFECTIVE: MAY 23, 1977

Description of Equipment

BACKHOES

John Deere 350 Crawler w/dozer
Sideboom & Backhoe

John Deere 400 (Rubber Tired)
Backhoe & Loader

John Deere 450 Crawler w/dozer
Sideboom & Backhoe

John Deere 500. (Rubber Tired)
Backhoe & Loader w/Concrete breaker
Incl. 210 Cu. Ft. Air Comp

COMPRESSORS & ACCESSORIES

125-Cu. Ft. w/one air tool & 100' hose
210-Cu. Ft. w/out tools
365-Cu. Ft. w/out tools
Air Tools, each.....
Air Hose, 50' each.....
Air Tank Fan.....
Air Impact Wrench.....
Chisels, Clay Spade, Gads, Paving
Cutter, Points & Drill Steel.....
Air Breathing Equipment w/Air Comp.
& 100' Air Hose.....
Gas Detector.....

CONCRETE EQUIPMENT

Concrete Mixer (1/2 Sack).....
Concrete Vibrator.....
Concrete Hand Tools.....
Cement Saw.....
Plus \$1.00/1,000" Blade Wear

AVAILABLE EQUIPMENT INVENTORIES

SANTA MARIA AREA

Jerry Nunn, Contractor
848 W. Betteravia Road
Santa Maria, California 93454
(805) 925-6711 Night: 925-7726

1 - D-6 Cat
1 - Motor grader
2 - Backhoes
10 - Pickups
1 - Skiploader
8 - Cranes
10 - 2-ton trucks with A-Frames
4 - Large Hi-bed trucks
Men and tools

Tony Sanchez
Post Office Box 204
Santa Maria, California 93454
(805) 922-5545

4 - D-8 Cats
3 - D-6 Cats
1 - Motor grader

Rich-Sand
Post Office Box 2403
Orcutt, California 93454
(805) 937-6681

Vacuum Trucks:
7 - 70-barrel
2 - 130-barrel
1 - 110-barrel

Engel and Gray Trucking
Post Office Box B
745 W. Betteravia Road
Santa Maria, California 93454
(805) 925-2771

1 - Skiploader
2 - Backhoes
4 - Cranes
4 - 2-ton trucks with A-Frames
4 - Lo-bed trucks
4 - Semi's with tractors

Trico Superior
2615 Skyway Drive
Santa Maria, California 93454
(805) 922-5875 or 925-1018

1 - Backhoe
8 - 2-ton trucks with A-Frames
Men, tools and pickups

Van Construction
495 Betteravia Road
Santa Maria, California 93454
(805) 922-5397

1 - Backhoe and skiploader
Men, pickups, 2-ton trucks,
and tools

Speed's Oil Tool Service
110 Betteravia Road
Santa Maria, California 93454
(805) 925-1369 or 925-4510

Vacuum trucks:
4 - 70-barrel
2 - 110-barrel
1 - 55-barrel

AVAILABLE EQUIPMENT INVENTORIES

SEAL BEACH AREA

O'Meara & Rogers
1250 E. 23rd Street
Post Office Box 1728
Long Beach, California 90801
(213) 426-9451

Bulldozers
Backhoes
Trucks
Men and equipment
24-hour call

Trico Superior
6155 South Eastern Avenue
Los Angeles, California 90022
(213) 726-0212

Trucks
Men and equipment
24-hour call

Steverson Vacuum Truck Service
18062 Gothard Street
Huntington Beach, California 92648
(714) 847-1072

9 - 100-barrel vacuum trucks
and lo-bed trucks
24-hour service

Routh Transportation
800 West 15th Street
Long Beach, California 90813
(213) 435-4823

Vacuum trucks
24-hour service

AIRCRAFT AVAILABLE FOR EMERGENCY WORK

IN THE SANTA BARBARA CHANNEL

HELICOPTERS

<u>TYPE OF CRAFT</u>	<u>NO. AVAIL.</u>	<u>WHERE TO OBTAIN</u>	<u>REMARKS</u>
Sikorsky S-55 6 passenger 1200# payload	3	<u>Rotor Aids Offshore, Inc.</u> 1500 Spinnaker Drive P. O. Box 1238 Ventura, CA 93001	Joseph G. Seward Roy K. Falconer
Alouette II 4 passenger 700-800# payload	2	Ventura Marina - (805)642-8584 or 642-8347 Santa Barbara Airport - (805)964-1825	
Bell 205 13 passenger 3000# payload	1		
Bell G5 2 passenger 600# payload	3	<u>Coastal Chemical Company</u> Ventura County Airport (805)483-3234 (805)487-4961	
Lear Jet Model 23 6 passenger - 2 pilots	1	<u>Oceanaire Helicopter Services, Inc.</u> (714)534-9110 After hours: (213)246-8011 Lupe Amaya (714)962-7092 Jim Burns	
Turbo Navajo Twin Engine 6 passenger	1		
Bell Jet 206B 4 passengers	3		

AIRCRAFT AVAILABLE FOR EMERGENCY WORK

IN THE SANTA BARBARA CHANNEL

HELICOPTERS

<u>TYPE OF CRAFT</u>	<u>NO. AVAIL.</u>	<u>WHERE TO OBTAIN</u>	<u>REMARKS</u>
FH-1100 4 passenger 900# payload	2	<u>Condor Helicopters & Aviation, Inc.</u> <u>Ventura County Airport</u> (805)487-5451 - day (805)642-6142 - night	W. N. Attebery R. J. McMahon Dave Oliver Dave Morua Gus Johnson
Bell Jet Ranger 206B 4 passenger 1400# payload	2		
Sikorsky S-50 12 passenger 4000# payload	1		
Boeing BO 105 Twin Engine turbo 2500# payload	1		
Bell G-5 2 passenger 600# payload	1	(Equipped for spraying liquid chemicals, 100 gallon capacity tanks)	
Bell G-3-B-1 2 passenger 600# payload	1	(Equipped for spraying liquid chemicals, 100 gallon capacity tanks)	

AIRCRAFT AVAILABLE FOR EMERGENCY WORK

IN THE SANTA BARBARA CHANNEL

FIXED WING

<u>TYPE OF CRAFT</u>	<u>NO. AVAIL.</u>	<u>WHERE TO OBTAIN</u>	<u>REMARKS</u>
Grumman Ag-Cat 2000# payload 220 gallon tank	1	<u>Condor Helicopter & Aviation, Inc.</u> Ventura County Airport (805)487-5451 - day (805)642-6142 - night	W. N. Attebery R. J. McMahon Dave Oliver Dave Morua Gus Johnson
Grumman Ag-Cat 2000# payload 300 gallon tanks	3	<u>Coastal Chemical Company, Aviation Division</u> Ventura County Airport (805)483-3234 (805)487-4961	

BOATS

Crowley Maritime Corp.	Port Hueneme	(805)488-3518
General Marine Transport	Santa Barbara	(805)963-3808
Tidewater Marine Pacific, Inc.	Santa Barbara	(805)963-1774
Pacific Towboat & Salvage Co.		(213)432-6487
Jones Tug & Barge Co.		(213)432-6419
San Pedro Tugboat Co.		(213)832-1158
Wilmington Transportation Co.		(213)832-4292

DIVERS

Ocean Systems, Inc.		(805)965-3321
Associated Divers, Inc.		(805)967-8118

UNION OIL & GAS DIVISION
WESTERN REGION S. CA. DISTRICT
 (Including Operations at Ventura
 East and West L.A.)

AUTOMOTIVE EQUIPMENT
 October 1977

49.1 - V.P. & Staff
 49.6 - Accounting/Western Region
 50.1 - Division Manager & Staff
 50.2 - Purchasing
 51.1 - Exploration Staff
 51.2 - District Geophysicist

51.3 - Exploration (So. Ca. District)
 52.1 - Land Staff
 52.3 - Land (So. Ca. District)
 53.6 - Production
 R - Indicates Mobile Radio
 53.5 - Santa Paula
 53.8 - Ventura

<u>Vehicle No.</u>	<u>Type</u>	<u>Cost Center</u>	<u>Code</u>	<u>License No.</u>	<u>Location</u>	<u>Description</u>	<u>Driver's Name</u>
1128	11	930-960-01	53.8	645 GSA	Carpenteria	'73 Chevelle	G. Reed
1129	11	930-960-01	53.8	646 GSA	Carpenteria	'73 Chevell	T. Wettstone
1131-R	11	930-916-01	53.8	795 GBE	Ventura	'73 Torino	J. Livingston
1159	11	940-904	51.4	078 HIQ	Ventura	'73 Torino	J. Shastid
1208	11	940-906	51.3	610 JGD	Ventura	'73 Ford	J. Badgett
1211-R	11	930-956	53.6	181 HHR	Santa Fe Springs	'73 Dodge	D. Wulf
1289	11	950-900	50.2	795 JQE	Los Angeles	'73 Chev.	L. Ford
1290	11	930-956	53.6	866 HYC	Santa Fe Springs	'73 Dodge	Pool - West L.A.
1319	11	940-906	51.3	087 JLR	Ventura	'74 Chev.	R. Steadman
1320-R	11	930-953	53.6	066 JOF	Santa Fe Springs	'74 Ford	A. MacLean
1321	11	930-953	53.6	364 JOE	Santa Fe Springs	'74 Ford	F. Montgomery
1322	11	999-999	49.6	365 JOE	Los Angeles	'74 Ford	K. Ogata
1324-R	11	930-916-01	53.8	492 JJS	Ventura	'74 Dodge	J. Underhill
1360-R	11	930-953	53.6	239 KKH	Santa Fe Springs	'74 Dodge	R. Harke
1361	11	930-927	53.6	323 KKH	Santa Fe Springs	'74 Dodge	Reservoir Pool - SFS
1362-R	11	930-960-01	53.8	441 KPU	Carpinteria	'74 Torino	H. Henley
1364-R	11	930-906-01	53.8	691 KEZ	Ventura	'74 Dodge	B. Foster
1366	11	920-900	52.1	501 KZU	Los Angeles	'74 Chev.	H. Harry
1400	11	930-998	53.6	325 LHN	Las Cienegas	'74 Chev.	D. Redfern
1401	11	940-906	51.3	470 KKO	Santa Fe Springs	'74 Ford	J. Roig
1402-R	11	930-994	53.6	468 KKO	Sansinena	'74 Ford	C. Waller
1403	11	930-906-01	53.8	469 KKO	Ventura	'74 Torino	J. Young
1407	11	920-900	52.1	089 PKX	Los Angeles	'74 Chev.	B. Taylor
1490	11	930-960-01	53.6	493 LGV	Ventura	'74 Dodge	B. Lauenstein
1491	11	930-906	53.6	816 LAS	Santa Fe Springs	'75 Torino	A. Dittrick

<u>Vehicle No.</u>	<u>Type</u>	<u>Cost Center</u>	<u>Code</u>	<u>License No.</u>	<u>Location</u>	<u>Description</u>	<u>Driver's Name</u>
492-R	11	930-916-01	53.8	810 LAS	Ventura	'75 Torino	B. Morton
493	11	930-926-01	53.8	819 LAS	Ventura	'75 Torino	G. Burtchael
581	11	930-900	53.1	818 LAS	Los Angeles	'75 Ford	R. Yarbrough
582	11	930-900	53.1	820 LAS	Ventura	'75 Ford	R. Gillen
596-R	11	930-990	53.6	348 LPT	Brea	'75 Dodge	A. Throop
597	11	920-906	51.3	471 LQU	Ventura	'75 Chev.	R. Canady
598	11	930-996	53.6	368 MJQ	Dominguez	'75 Dodge	K. Bohn
615	11	950-900	50.2	960 LVN	Los Angeles	'75 Chev.	R. Hoyt
620	11	940-904	51.4	493 MBI	Ventura	'75 Ply.Fury	E. Harris
621	11	940-906	51.3	069 MKF	Santa Paula	'75 Plymouth	E. Hall
622	11	940-900	51.1	186 MOQ	Los Angeles	'75 Dodge	J. Groom
623	11	940-906	51.3	376 MJQ	Ventura	'75 Dodge	A. Lewis
624	11	930-906-01	53.8	671 MKB	Ventura	'75 Torino	A. Pratt
640-R	11	930-936-01	53.8	006 MSF	Ventura	'76 Plymouth	R. Keller
641	11	940-900	51.2	475 MNU	Los Angeles	'75 Chev.	J. Clark
306	11	930-916-01	53.8	283 PJG	Ventura	'76 Dodge	J. Parmigiano
307-R	11	930-962	53.5	282 PJG	Torrey	'76 Dodge	B. Lewis
308	11	930-929-01	53.8	982 SDK	Santa Paula	'76 Torino	Res. Eng. Pool - S.p
369	11	940-900	51.1	601 PKP	Los Angeles	'76 Dodge	F. Noble
370	11	900-900	49.1	463 NYG	Los Angeles	'76 Chev.	J. McCullough
372	11	930-916-01	53.6	610 PFW	Ventura	'76 Chev.	W. Pittman
373	11	940-906	51.3	688 PCS	Ventura	'76 Ford	T. Redin
374-R	11	930-990	53.6	097 PKX	Brea	'76 Ford	M. Barry
375	11	930-998	53.6	038 PKZ	Las Cienegas	'76 Ford	E. East
376	11	930-927	53.6	782 PKW	Santa Fe Springs	'76 Ford	Reservoir Pool - SF
377	11	930-900	53.1	687 PCS	Los Angeles	'76 Ford	K. Zerda
378	11	930-900	53.1	686 PCS	Los Angeles	'76 Ford	E. P. Richard
394	11	940-904	51.4	477 NUP	Ventura	'76 Eheveller	E. Borglin
398	11	940-904	51.4	900 NWL	Ventura	'76 Dodge	J. Chauvel
399	11	930-916-01	53.8	432 PJG	Ventura	'76 Dodge	D. Glass
021-R	11	930-916-01	53.8	133 REX	Ventura	'76 Cheveller	A. Laurie
025	11	940-904	51.4	896 RGL	Ventura	'77 Ford LTD2	C. Harr
086	11	930-936	53.8	196 RTF	Ventura	'77 Nova	K. Guziak
088-R	11	930-959	53.5	104 RTF	Santa Paula	'77 Malibu	K. Ito
108	11	940-904	53.8	537 RKH	Ventura	'77 Dodge	D. Reynolds
109	11	900-900	49.4	854 SGH	Los Angeles	'77 Ford	R. Wheeler
110	11	930-900	53.1	853 SGH	Los Angeles	'77 Ford	T. Brinker
111-R	11	930-991	53.6	852 SGH	East Coyote	'77 Ford	J. Motley
112-R	11	930-992	53.6	851 SGH	Richfield	'77 Ford	R. Johnson

<u>Vehicle No.</u>	<u>Type</u>	<u>Cost Center</u>	<u>Code</u>	<u>License No.</u>	<u>Location</u>	<u>Description</u>	<u>Driver's Name</u>
0114-R	11	930-996	53.6	482 RKJ	Domg/Htg.Beach	'77 Chev.	J. Brummet
0115	11	940-900	51.1	761 RZL	Los Angeles	'77 Chev.	W. Lang
0187	11	900-900	49.1	522 SGH	Los Angeles	'77 Dodge	C. Schwartz
0194	11	930-929-01	53.8	557 SMA	Santa Paula	'77 Chevelle	D. Lewis
0195-R	11	930-953	53.6	427 SLZ	Santa Fe Springs	'77 Chev.	J. Grimes
0196-R	11	930-959	53.5	351 SOV	Santa Paula	'77 Dodge	J. Buckingham
0290	11	920-906	51.3	692 SMK	Ventura	'77 Chev. Nova	K. Robertson
0291	11	930-906-01	53.8	183 SMM	Ventura	'77 Chev. Nova	R. Barnds
0292-R	11	930-959	53.5	349 SMM	Santa Paula	'77 Chev. Nova	J. Cronk
0294	11	930-900	53.8	726 TKG	Santa Fe Springs	'77 Dodge	T. Bangs
0296	11	940-900	51.1	738 SFM	Los Angeles	'73 Ford	G. Feister
0298-R	11	930-959-01	53.5	404 SMM	Santa Paula	'77 Malibu	D. Gluyas
0299	11	900-900	50.1	668 TEO	Los Angeles	'77 Dodge	R. Hoover
0313	11	920-904	52.4	194 TDV	Ventura	'77 Dodge	J. Rossi
0314	11	940-909	51.8	350 SMM	Ventura	'77 Chev.S.W.	G. Brown
0315	11	930-956	53.6	725 TWO	Santa Fe Springs	'77 Ford	R. Miller
0316	11	930-936	53.8	453 TKK	Ventura	'78 Chev. Nova	R. Marshall
0317	11	930-916-01	53.8	406 TKK	Ventura	'78 Ply. Volare	S. Heiter
0318	11	940-900	51.1	701 TSG	Los Angeles	'78 Ford Granada	C. Glidden
0319	11	940-906	51.3	702 TSG	Ventura	'78 Ford Granada	J. Furnell
0332	11	940-906	51.3	700 TSG	Ventura	'78 Ford Granada	J. Vargo
0336-R	11	930-963	53.5	725 TWO	Santa Paula	'78 Chev. Nova	C. Edmonds

<u>Vehicle No.</u>	<u>Type</u>	<u>Cost Center</u>	<u>Code</u>	<u>License No.</u>	<u>Location</u>	<u>Description</u>	<u>Driver's Name</u>
46	29	940-906	51.3	YZL 750	Santa Paula	'69 Ford Bronco	K. Whaley
74	11	930-953	53.6	561 AGU	Santa Fe Springs	'69 Chev. Chevelle	D. Sevier
342-R	11	930-956	53.6	605 CFG	Santa Fe Springs	'71 Dodge	E. Schmidt
72	11	930-960-01	53.8	897 CET	Ventura	'71 Chevelle	B. Beattie
31	11	900-900	50.1	887 CPH	Los Angeles	'71 Chev.	W. Bradford
83	11	930-906-01	53.8	880 EHQ	Ventura	'72 Plymouth	G. Roberts
96	11	930-953	53.6	821 FVE	Santa Fe Springs	'72 Dodge	Pool - East LA
46	11	930-929-01	53.8	804 EPK	Ventura	'72 Dodge	Resvr. Engr. Pool Car-
50	11	930-959-01	53.8	434 ENS	Ventura	'72 Torino	Pool Car - Prod. (Als
68	11	930-953	53.6	664 GOG	Santa Fe Springs	'72 Torino	E. Shuler

Vehicle #	Type	Code	License	Location	Remarks	Driver/Classification
00	51.1	53.5	unlicensed	E. Ventura	'63 Floco WM	
02	53.2	53.6	SE 33753	Brea	'63 Worthington 2 wheel air compressor	
12	53.2	53.6	SE 33757	Dominguez	'63 LeRoi Portable compressor	
39	51.1	53.6	CN 5621	Richfield	'63 2 wheel Floco test meter	
91	64	53.6	LIW 846	L.A.-East	'63 Wagner-Morehouse well servicing hoist	
35-R	33	53.6	R 32439	Brea	'64 GMC 3-ton flatbed w/demountable "A" frame	Mechanic #1
94	64	53.6	CZR 906	L.A.-East	'65 Wagner-Morehouse Rola hoist	
59	31	53.6	K 66536	L.A.-East	'57 Chev. 2-ton flatbed	BOE truck
51-R	27	53.6	S 44217	Brea	'65 Dodge Tradesman truck w/mech. body	FO #1
76	21	53.6	S 47617	Brea	'65 Dodge 1/2 ton	FO #1
77	31	53.6	S 52392	Richfield	'65 IHC 2-ton pipe dolly truck	Well Crew
38	51-1	53.6	SE 33759	Richfield	Floco 2-wheel trailer	
97	51-1	53.6	SE 34172	Las Cienegas	Trailer - service string tester	
98	53.2	53.6	SE 33750	Dominguez	Bradley w/l-R air compressor	
00	51-4	53.5	unlicensed	Del Valle	2-wheel trailer pump	
02	51-2	53.5	unlicensed	Santa Paula	2-wheel air compressor	
03	51-3	53.5	unlicensed	Santa Paula	2-wheel fire trailer	
04	51-3	53.5	unlicensed	Fillmore	2-wheel fire trailer	
62	21	53.6	S 49197	Richfield	'66 Chev. 1/2-ton pickup	Utilityman
42	51-3	53.5	unlicensed	Torrey	2-wheel fire trailer	
01	25	53.6	Q 36423	Richfield	'57 Chev. 2-ton truck w/"A" frame	
02	51-3	53.5	unlicensed	Torrey	2-wheel fire trailer	
75	51-4	53.5	unlicensed	Santa Paula	2-wheel trailer w/pump	
45	22	53.6	V 37799	Dominguez	'67 GMC 3/4-ton pickup	F.O. #2
46	27	53.6	Q 36914	Dominguez	'67 Chev. 3/4-ton w/utility body	EM #1
53	51-1	53.5	unlicensed	Santa Paula	2-wheel Floco	
02-R	24	53.5	917-71A	SC Plant	'68 Chev. 1-ton flatbed - Plant	
44	51-1	53.6	SE 33982	Dominguez	2-wheel cement mixer	
30-R	26	53.6	17125 C	Brea	'69 Ford 1/2-ton w/tool boxes	FO #1
37	51-1	53.6	DAG 014	Dominguez	Box bed trailer	
38	51-1	53.6	SE 34192	S.F. Springs	2-wheel meter trailer	
57	51-1	53.6	SE 55511	Las Cienegas	Homemade mud pump	
75-R	33	53.6	54955 F	L.A.-West	60 bbl. vacuum truck - Dominguez	
83-R	21	53.5	714-71A	SC Plant	'69 Chev. 1/2-ton - tester	
84	32	53.5	986 89D	Torrey	'69 Chev. 2-1/2-ton - "A" frame	
81	21	53.6	Q 79229	L.A.-East	'67 IHC 1/2-ton Travelall	Well Crew

Vehicle #	Type	Code	License	Location	Remarks	Driver/ Classification
13	51-1	53.6	SX 626564	Sansinena	2-wheel weed sprayer	
26	52-2	53.5	unlicensed	Fillmore	4-wheel trail tank and heater	
67	51-1	53.6	SE 54973	Las Cienegas	2-wheel pipe thread trailer	
70	22	53.6	77091 D	Brea	'69 Ford 3/4-ton pickup	Utilityman
75-R	33	53.6	83093 F	Richfield	Vacuum truck	
76	51-1	53.6	SE 34180	S.F. Springs	Test meter	
99-R	21	53.5	740 80E	Torrey	'69 Chev. 1/2-ton BP 10	
01	51-3	53.5	unlicensed	Del Valle	2-wheel fire trailer	
12	51-1	53.5	SE 34170	Brea	Portable test trap	
24	22	53.6	30186 E	Sansinena	'70 3/4-ton Ford pickup	Utilityman
29-R	35	53.5	1B96190	Torrey	'69 Kenworth 60-bbl vacuum	Thompson
53	26	53.6	58908	S.F. Springs	'70 Ford 1/2-ton w/utility body	FO #2
98	51-1	53.6	unlicensed	Brea	Master 2-wheel weed sprayer	
99	51-1	53.6	unlicensed	East Coyote	2-wheel weigh meter	
02	51-1	53.6	SE 33959	Richfield	2-wheel weigh meter	
03	51-1	53.6	SE 33959	East Coyote	2-wheel weigh meter	
46	51-2	53.6	SE 34196	Richfield	2-wheel air compressor	
58	21	53.6	10361 G	Rosecrans	'70 Ford 1/2-ton pickup w/tool box	FO #1
60	21	53.6	10360 G	Richfield	'70 Ford 1/2-ton pickup w/tool box	F. Mallock
89	51-2	53.6	SE 34197	Dominguez	2-wheel air compressor	
02	53-4	53.6	SE 35767	Brea	2-wheel Jaeger pump	
27-R	25	53.5	88711 H	Torrey	'71 GMC 1-1/2-ton A-frame	Wallace
20	53-3	53.6	CN 4956	L.A.-East	2-wheel dolly	Well Crew
71	25	53.6	8902 H	Brea	'71 Ford 1-1/2-ton w/demountable crane	
72	64	53.6	341 DJH	L.A.-East	'71 Ideco pulling rig	Well Crew
57	53-2	53.6	SE 34200	East Coyote	2-wheel air compressor	
58	26	53.6	93764 K	Brea	'72 Ford 1/2-ton w/utility service body	
73	51-1	53.6	SE 83435	Dominguez	2-wheel weed sprayer	
77-R	31	53.5	42219L	Bridge	'72 Chev. 2-ton A-frame	Morgan
78	27	53.6	40269 L	Brea	'72 Ford 3/4-ton w/utility service body	Mechanic
80-R	26	53.6	40270 L	Dominguez	'72 Ford 1/2-ton F-100 utility	
22	51-1	53.6	SE 347 62	L.A.-East	2-wheel trailer w/well accumulator	
39	51-1	53.6	unlicensed	Richfield	2-wheel Floco test meter trailer	
41-R	25	53.5	299 48N	Del Valle	'73 GMC 2-ton A-frame	Timmons
42-R	22	53.5	407 21L	Torrey	'72 Chev. 3/4-ton BP 10	
43	51-3	53.5	unlicensed	Torrey	2-wheel flatbed	
54	52-2	53.6	SE 34195	Sansinena	2-wheel air compressor	
57	51-3	53.6	SE 35764	S.F. Springs	Lube trailer	

Vehicle No.	Type	Code	License	Location	Remarks	Driver/Classification
73	26	53.6	37773 M	Dominguez	'72 Ford 1/2-ton F-100 w/utility serv.body	FO #2
39	53-1	53.6	unlicensed	Sansinena	2-wheel steam cleaner	
16-R	21	53.5	821 67M	Torrey	'73 Ford 1/2-ton relief	
43-R	21	53.5	779 50N	Santa Paula	'73 Chev. 3/4-ton flatbed utility	
30-R	27	53.6	58954 P	Dominguez	'73 Ford 3/4-ton F-250 w/utility serv.body	FO 1/FM 1
31	27	53.6	58955 P	S.F.Springs	'73 Ford 3/4-ton F-250 w/utility serv.body	FM #1
33	26	53.6	83986 N	SFS/Bell Lab	'73 Ford 1/2-ton w/utility serv. body	Tester
34	26	53.6	84027 N	SFS/Bell Lab	'73 Ford 1/2-ton F-100 w/utility	Tester
21-R	21	53.5	895 20P	Santa Paula	'73 Ford 1/2-ton BP 10	Bailey
23-R	21	53.5	895 22P	Del Valle	'73 Ford 1/2-ton BP 10	Rabe
24-R	31	53.5	598 79R	Bardsdale	'73 Chev. 2-ton A-frame	Abel
20-R	24	53.5	282 27V	Santa Paula	'74 Ford 3/4-ton w/Douglas	
59	51-3	53.5	unlicensed	Torrey	2-wheel trailer	
76	28	53.6	28087 V	Las Cienegas	'74 Ford 1-ton F-350 w/utility serv.body	FM #1.
90	53-4	53.6	SE 34181	Sansinena	4-wheel pump	
96	53-2	53.6	SE 33966	Richfield	2-wheel generator - Onan	
35-R	21	53.5	308 942	Santa Paula	'74 Ford 1/2-ton	
36	26	53.6	35698 C	Brea	'74 Ford F-100 1/2-ton w/utility	FO #2
37	26	53.6	74984 W	Brea	'74 Ford F-100 1/2-ton w/utility	FO #2
39	28	53.6	35543 X	Las Cienegas	'74 Chev. C-30 1-ton w/mechanic body	FM #1
40	21	53.6	59714 X	Las Cienegas	'74 Ford F-100 1/2-ton	FO #1
44-R	26	53.6	74938 W	Rich/E.Coyote	'74 Ford F-100 1/2-ton w/utility serv.body	FO #2
51	52-2	53.6	SE 33973	Sansinena	2-wheel air compressor	
52-R	31	53.6	62219 Y	L.A.-East	'75 Ford F-6000 crew cab w/flatbed	Well Crew
54-R	21	53.5	310 58U	Santa Paula	'75 Ford 1/2-ton FWD	
57-R	22	53.5	310 68U	Santa Paula	'75 Ford 3/4-ton	
53-R	24	53.8	616 55Y	Pt.Conception	'75 Chev. 1-ton w/mechanic body	Cooper
78	21	53.6	38251 X	Dominguez plt	'75 Ford F-150 pickup	FO #1 plt.
79-R	21	53.5	624 22Y	Bardsdale	'75 Ford 1/2-Ton BP 10	
30	27	53.6	62218 Y	Brea Plant	'75 Ford F-250 w/utility service body	Plt.Mechanic
31-R	21	53.6	27248 Y	Richfield	'75 Ford F-150 pickup	Mechanic #2
32-R	28	53.6	62217 Y	Rich/E.Coyote	'75 Ford F-350 w/mech. body w/hoist	Eng.Mechanic
40	21	53.6	25699 U	S.F.Springs	'74 Chev. E. Cam. 1/2-ton pickup	R.Smalley
13-R	21	53.6	87192 W	S.F.Springs	'75 Ford Ranchero pickup	R. Noble
15	28	53.6	62945 Y	Dominguez	'75 Ford F-350 w/mechanic body	FM #1
16	28	53.6	63206 Y	Dominguez	'75 Ford F-350 w/mechanic body	FM #1
18	20	53.6	58382 Z	Las Cienegas	'74 Ford Courier 1/2-ton pickup	FO #2

Vehicle	Type	Code	License	Location	Remarks	Driver/ Classification
20-R	22	53.5	639 26Z	Santa Paula	'75 Chev. 3/4-ton	
29	31	53.6	96871 Z	Rich/E. Coyote	'75 Chev. 2-ton w/A-frame	FM #1
30-R	32	53.6	97709 Z	Sansinena	'75 Chev. 2-ton w/A-frame	FM #1
31-R	21	53.6	31340 Z	S.F.Springs	'75 Ford Ranchero 1/2-ton pickup	W.Crew Frmn
32-R	33	53.6	97764 Z	L.A.-East	'76 Ford F-600 crew cab w/flatbed	Well Crew
36	20	53.6	1A 09271	Las Cienegas	'74 Ford Courier 1/2-ton pickup	FO #1
39-R	33	53.6	1A 94783	Sansinena	'75 Ford 3/4-ton w/mechanic body	FM #1
40	21	53.6	1A 65744	Sansinena	'76 Ford 1/2-ton pickup	Utilityman
49	51-1	53.6	SE 33960	East Coyote	2-wheel weed sprayer	
55-R	27	53.6	1A 96054	Brea	'76 Ford 3/4-ton w/mechanic body	M #1/Engine
60	24	53.6	1A 95866	Brea Plant	'76 Chev. 1-ton flatbed w/crane	PM #1
61	52-2	53.6	SE 33959	S.F.Springs	2-wheel air compressor	
62-R	27	53.6	1A 96055	Richfield	'76 Chev. 3/4-ton w/mechanic body	FO/FM #1
63	52-2	53.6	SE 34188	Brea	2-wheel generator	
66-R	27	53.6	1A 95867	Sansinena	'76 Ford 3/4-ton utility	FO #2
67	27	53.6	1C 39756	Brea Plant	'76 Ford w/flatbed body & tool boxes	PM #1
64-R	21	53.5	1C 38433	Santa Paula	'76 Ford Ranchero	Pagan
65-R	24	53.5	1A96075	Torrey	'76 Ford 3/4-ton Douglas Mech.	Martin
68	20	53.6	1B 80094	Las Cienegas	'75 Ford Courier pickup	FO 1/FM #1
70-R	21	53.5	1C 38434	Torrey	'76 Chev. 1/2-ton F.W.D.	Various
71-R	21	53.6	1B 99938	S.F.Springs	'76 Ford Ranchero pickup	A. Geverink
73-R	21	53.6	1B 99939	S.F.Springs	'76 Ford Ranchero pickup	T. Archer
77	20	53.6	1C 00302	S.F.S.-Lab	'75 Ford Courier pickup	Sr. Tester
76-R	31	53.6	1D 28056	Richfield	'76 Ford F-600 crew cab w/flatbed	Well Crew
77-R	24	53.5	1A 08356	Santa Paula	'77 Chev. 3/4-ton w/Douglas body	Reed
72-R	27	53.6	1E 15308	S.F.Springs	'77 Ford 3/4-ton w/mechanic body	FO/FM #1
73-R	27	53.6	1D 28433	E. Coyote	'77 Ford 3/4-ton w/pumper body	FO #2
74-R	27	53.6	1E 15583	Sansinena	'77 3/4-ton w/mechanic body	FO #1
76	50	53.5	CL 5371	Del Aliso	'57 Deville 15' Travel trailer	
71-R	35	53.5	1A 08356	Santa Paula	'64 Peterbilt 65 bbl. vacuum tank	Boblett
72-R	25	53.5	1E 53107	Santa Paula	'77 Ford F-700 A-frame	Dudley
73-R	27	53.6	1E 15995	Richfield	'77 Ford 3/4-ton w/pumper body	FO #2
75-R	22	53.5	1F 44679	Bardsdale	'77 Chev. H.D. 1/2-ton	
76-R	27	53.6	1E 15997	Richfield	'77 Ford 3/4-ton w/pumper body	FO #2
78	51.4	53.5	unlicensed	Torrey	2-wheel trailer pump	
79-R	27	53.6	1D 28445	Richfield	'77 Chev. 3/4-ton w/mechanic body	FO/FM #1

Vehicle	Type	Code	License	Location	Remarks	Driver/Classification
04-R	27	53.6	E 53865	Sansinena	'77 Ford 3/4-ton w/pumper body	FO #2
21-R	32	53.6	1E 15996	Rich/E.Coyote	'77 Ford F-700 flatbed w/A-frame	FM #1
22-R	24	53.5	1E 53886	Torrey	'77 Chev. 3/4-ton w/Douglas body	
24	20	53.6	1E 61289	SFS - Plant	'76 Ford Courier pickup	Sr.Mechanic
25-R	21	53.8	1G 01816	Ventura	'77 Chev. El Camino	Andrews
23-R	27	53.6	1E 53947	Sansinena	'77 Ford 1-ton w/mechanic bed	FO 1/FM #1
26	20	53.6	1F 43413	Huntington B.	'77 Chev Luv pickup	FO #1
27	21	53.8	1G 02269	Carpenteria	'77 Chev. El Camino pickup	C. Miles
28	22	53.6	1G 12180	Brea	'77 Chev. 3/4-ton Fleetside	Utilityman
29	20	53.6	1G 12374	SFS/Bell Pkt	'77 Chev. Luv pickup	Testers
35-R	21	53.5	1F 6559	Torrey	'77 Chev. 1/2-ton	Various
36-R	20	53.6	1G 91459	E.Coy/Rchfld	'77 Ford F-350	FO #1
40	21	53.6	1H 70256	Richfield	'77 Chev. crew cab 1/2-ton	Well Crew
47	67	53.6	unlicensed	S.F.Springs	Clark fork lift	
50	69	57.4	unlicensed	S.CA Dist.	'63 Tandom trailer w/Texsteam gen.	
52	69	53.6	CF 3436 FX	Pltfrm Eva	W-63 work boat	
53	69	53.6	CF 3437 FX	Pltfrm Eva	W-86 boom boat	
51	51-2	53.5	unlicensed	Bardsdale	2-wheel air compressor	
53	51.2	53.6	unlicensed	Brea	Gas compressor - trailer mounted	
54	51-2	53.6	SE 43178	Brea	2-wheel air compressor	
59	21	53.6	OAX 083	Sansinena	Fire truck - Willys 1951	
58	51-4	53.6	SE 34179	S.F.Springs	2-wheel pump	
61	51-1	53.6	CN 4959	S.F.Springs	Meter trailer	
60	51-1	53.6	SE 34189	Richfield	2-wheel meter	
61	27	53.6	K 80346	S.F.Springs	'62 Ford 3/4-ton w/tool box & tank	FM #1
68	31	53.6	K 47043	Dominguez	'63 GMC 2-ton w/A-frame	FM #1
66	31	53.6	M 42537	S.F.Springs	'63 GMC 2-ton w/tool box & A-frame	FM #1
67	22	53.6	K 80312	Rosecrans	'61 Intl. 3/4 ton	FO #1

LICENSED OIL SPILL CLEANUP AGENTS

<u>Company</u>	<u>Name of Product</u>	<u>Type of Product</u>	<u>First Licensed</u>	<u>Last Licensed</u>	<u>Renewal Date</u>
Grefco, Inc. 3450 Wilshire Blvd. Los Angeles, CA 90010	Dica-Sorb or Fiberperl	sorbent	August 26, 1971	August 7, 1975	Aug. 7, 1979
Dow Chemical Co. 2040 Dow Center P. O. Box 1847 Midland, MI 48640	Dow Imbiber	imbibing agent	Dec. 10, 1971	Jan. 30, 1976	Jan. 30, 1973
Minnesota Mining & Mfg. Co. 3 M Center St. Paul, MN 55101	3M Oil Sorbent	sorbent	July 27, 1972	Jan. 1, 1976	Jan. 1, 1978
Conwed Corp. 2200 Highcrest Rd. St. Paul, MN 55113	Conwed Oil Sorbers	sorbent	Sept. 13, 1972	Sept. 1, 1976	Sept. 1, 1978
Innova Corp. 444 Ravenna Blvd. Seattle, WA 98115	Sorb-Oil	sorbent	Nov. 28, 1972	Dec. 10, 1976	Dec. 10, 1979
Exxon Chemical Co. 8230 Stedman St. Houston, TX 77029	Corexit 9527	dispersant	Sept. 1, 1976		Sept. 1, 1976
Sorbent Sciences Corp. 1269 East Edna Place Covina, CA 91724	S.S.C. Sorbent Material	sorbent	Oct. 29, 1973	Jan. 30, 1976	Jan. 30, 1978
Grantley Company 54 North Chestnut St. Jefferson, OH 44077	Petrol Grab	sorbent	Feb. 1, 1974	Feb. 1, 1976	Feb. 1, 1978
Nokomis Industries 23588 Connecticut St. Suite 8 Hayward, CA 94545	Nokomis 3 (f-4)	(dispersant)	Nov. 15, 1971	Sept. 21, 1976	Sept. 21, 1976

LICENSED OIL SPILL CLEANUP AGENTS

<u>Company</u>	<u>Name of Product</u>	<u>Type of Product</u>	<u>Date</u>		<u>Renewal Date</u>
			<u>First Licensed</u>	<u>Last Licensed</u>	
Exxon Chemical Co. U.S.A. 8230 Stedman St. Houston, TX 77029	Corexit 7664	dispersant	Oct. 11, 1972	Nov. 1, 1976	Nov. 1, 1978
Dutch Pride Products P. O. Box 1766 Los Gatos, CA 95030	ECO/+	dispersant	Oct. 18, 1972	Nov. 15, 1976	Nov. 15, 1978
Parker Systems, Inc. P. O. Box 1652 Norfolk, VA 23501	Oil Snare	sorbent	March 18, 1975		March 18, 1979
Zorbite Corp. 612 Meyer Lane, No. 8 Redondo Beach, CA 90278	Zorbite	sorbent	Sept. 3, 1975		Sept. 3, 1979
Exxon Chemical Co. 8230 Stedman St. Houston, TX 77029	Corexit OC-5	sorbent	Sept. 1, 1976		Sept. 1, 1978
GFC Chemical Co. 42018 Via San Luis Ray Fremont, CA 95638	Atlantic Pacific Oil Dispersant	dispersant	Nov. 15, 1971	Oct. 31, 1977	Oct. 31, 1979

PIPELINE INFORMATION

PLATFORM "A"

1. Branch from Platform Hillhouse:

<u>Size</u>	<u>Fluid</u>	<u>Flange</u>	<u>O - Ring</u>	<u>Studs</u>	<u>No.</u>	<u>Nuts</u>
8"	Gas	OCT-2000	48-080-035	1-1/8x9	8	1-13/16
8"	Oil	OCT-2000	48-080-035	1-1/8x9	8	1-13/16
6"	Water	OCT-2000	48-080-035	1 x 7	8	1-5/8

2. Branch to Main Lines:

<u>Size</u>	<u>Fluid</u>	<u>Flange</u>	<u>Seal Ring</u>	<u>Studs</u>	<u>No.</u>	<u>Nuts</u>
8"	Gas	ASA 900	R or RX49	1-3/8x9-1/2	12	2-3/16
8"	Oil	ASA 900	R or RX49	1-3/8x9-1/2	12	2-3/16
6"	Water	ASA 900	R or RX45	1-1/8x8-1/2	12	1-13/16

PLATFORM "B"

Main line to Rincon:

<u>Size</u>	<u>Fluid</u>	<u>Flange</u>	<u>Seal Ring</u>	<u>Studs</u>	<u>No.</u>	<u>Nuts</u>
12"	Gas	ASA 900	R or RX57	1-3/8x10-1/4	20	2-3/16
12"	Oil	ASA 900	R or RX57	1-3/8x10-1/4	20	2-3/16
6"	Water	ASA 900	R or RX45	1-1/8x8-1/2	12	1-13/16

PLATFORM "C"

Lines from "C" to "B":

<u>Size</u>	<u>Fluid</u>	<u>Flange</u>	<u>Seal Ring</u>	<u>Studs</u>	<u>No.</u>	<u>Nuts</u>
6"	Gas	ASA 900	R or RX45	1-1/8x8-1/2	12	1-13/16
6"	Oil	ASA 900	R or RX45	1-1/8x8-1/2	12	1-13/16
6"	Water	ASA 900	R or RX45	1-1/8x8-1/2	12	1-13/16

A variety of Plidco Split-Sleeve pipeline clamps are on hand at Ocean Systems, Inc., in Santa Barbara. These clamps cover the range of line sizes in the Santa Barbara Channel and are available for immediate use.

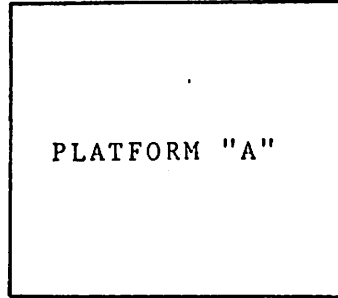
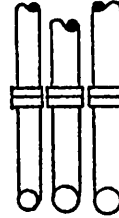


From Hillhouse

W. G. O.

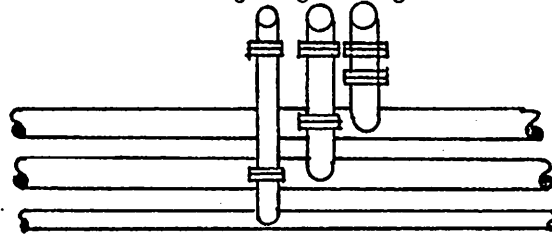
6" 8" 8"

Flanges are OCT-2000



PLATFORM "A"

6" 8" 8"



12" Oil

12" Gas

6" Water

To Rincon

From Platform "B"

Flanges are R.J. - A.S.A. 900

REV.	DATE

PIPELINE INFORMATION

PLATFORM "A" - DOS CUADRAS FIELD

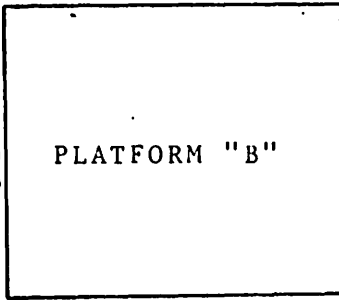
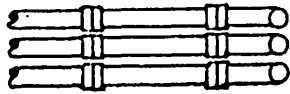
UNION OIL COMPANY OF CALIFORNIA

DRAWN	_____	CKD.	_____
APP'D.	_____		
SCALE	_____		
DATE	_____		
SHEETS		SHEET	

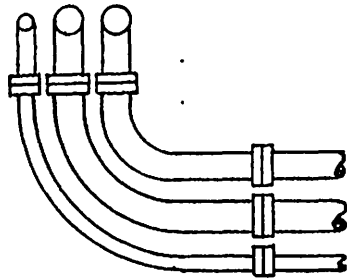
N



From Platform "C"
6" lines



PLATFORM "B"



12" Oil

12" Gas

6" Water

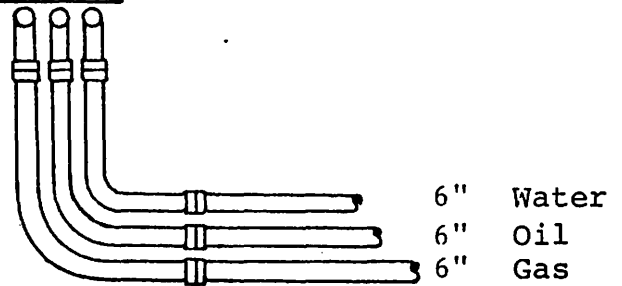
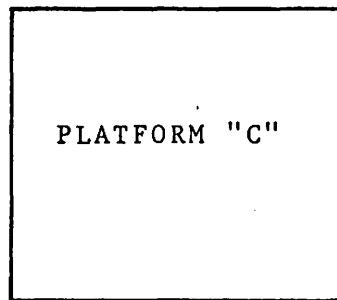
To Rincon

All flanges are R.J. - A.S.A. 900

REV.	DATE

PIPELINE INFORMATION
PLATFORM "B" - DOS CUADRAS FIELD
UNION OIL COMPANY OF CALIFORNIA

DRAWN	_____	CKD.	_____
APP'D.	_____		
SCALE	_____		
DATE	_____		
SHEETS			SHEET



All flanges are R.J. - A.S.A. 900.

REV.	DATE	PIPELINE INFORMATION PLATFORM "C" - DOS CUADRAS FIELD	DRAWN _____	CKD. _____
			UNION OIL COMPANY OF CALIFORNIA	APP'D. _____
		SCALE _____		
			DATE _____	
				SHEETS / SHEET

PUBLIC AGENCIES TELEPHONE LIST

FIRE DEPARTMENTS

Port Hueneme (County)	(805)482-2777
Oxnard City	(805)487-6311
Ventura City	(805)643-6121
Ventura County	(805)648-7711
Carpinteria-Summerland	(805)684-4111
Santa Barbara City	(805)965-5252
Santa Barbara County (Goleta)	(805)967-1211
Santa Barbara County (Santa Maria)	(805)922-7771
	(805)922-5848

POLICE DEPARTMENTS

Oxnard City Police	(805)486-1663
Ventura County Sheriff	(805)648-3311
Carpinteria City Police	(805)684-4561
Santa Barbara County Sheriff	
(Santa Maria)	(805)922-5775 Ext. 28
(Santa Barbara)	(805)963-1611
(Deputy Don Sweet)	Ext. 30 or 40
Santa Barbara City Police	(805)965-5151
Port Hueneme City Police	(805)488-3611
Ventura City Police	(805)643-2121

HARBOR MASTERS

Oxnard	(805)488-4615
Ventura	(805)642-8538
Santa Barbara	(805)963-1737

DISTRICT ATTORNEY'S OFFICE

Santa Barbara	(805)963-1441
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CLEAN SEAS INCORPORATED
OFFICIAL LIST
OF
REPRESENTATIVES OF MEMBERS AND DIRECTORS

<u>Company</u>	<u>Members</u>	<u>Directors</u>
<u>Aminoil U.S.A. Inc.</u>	<u>R. C. McClymonds</u> P. O. Box 191 20101 Golden West St. Huntington Beach, Ca. 92648 (213)592-5501 <u>Alternate</u> 1. D. L. Chaffee	<u>R. C. McClymonds</u> <u>Alternate</u> 1. D. L. Chaffee
<u>AtlanticRichfield Company</u>	<u>J. B. Hundley, Jr.</u> P. O. Box 147 4121 South H Street Bakersfield, Ca. 93302 (805)831-1600 <u>Alternate</u> 1. R. O. Pollard	<u>J. B. Hundley, Jr.</u> <u>Alternate</u> 1. R. E. Carlson 2. L. D. Lane
<u>Chevron U.S.A. Inc.</u>	<u>R. E. France</u> P. O. Box 605 3282 Beach Boulevard La Habra, Ca. 90631 (213)691-2251 <u>Alternate</u> 1. W. H. Ryherd 2. J. R. Herring	<u>W. H. Ryherd</u> 1253 Coast Village Road Montecito, Santa Barbara, Ca. 93108 (805)969-5804 <u>Alternate</u> 1. J. R. Herring

CLEAN SEAS INCORPORATED
OFFICIAL LIST
OF
REPRESENTATIVES OF MEMBERS AND DIRECTORS

<u>Company</u>	<u>Members</u>	<u>Directors</u>
<u>Cities Service Oil Company</u>	<u>B. B. Edwards</u> 900 Colorado State Bank Bldg. 1600 Broadway Denver, Colorado 80202 (303)892-0263 <u>Alternate</u> 1. J. O. Scott 2. A. E. Straub	<u>B. B. Edwards</u> <u>Alternate</u> 1. J. O. Scott 2. A. E. Straub
<u>Continental Oil Company</u>	<u>E. L. Manering</u> 290 Maple Court, Suite 128 Ventura, Ca. 93003 (805)642-8154 <u>Alternate</u> 1. J. C. Curry 2. R. Casey	<u>E. L. Manering</u> <u>Alternate</u> 1. J. C. Curry 2. R. Casey
<u>Exxon Company, U.S.A.</u>	<u>A. N. Kidd</u> 1800 Avenue of the Stars Los Angeles, Ca. 90067 (213)552-5776 <u>Alternate</u> 1. D. G. Warner 2. E. M. Flint	<u>A. N. Kidd</u> <u>Alternate</u> 1. D. G. Warner 2. E. M. Flint

CLEAN SEAS INCORPORATED
OFFICIAL LIST
OF
REPRESENTATIVES OF MEMBERS AND DIRECTORS

<u>Company</u>	<u>Member</u>	<u>Director</u>
<u>Getty Oil Company</u>	<u>R. A. Griffith</u> P. O. Box 5237 2401 North Chester Ave. Bakersfield, Ca. 93308 (805)399-2961 <u>Alternate</u> 1. E. W. Mathisen 2. A. F. Adkins	<u>R. A. Griffith</u> <u>Alternate</u> 1. E. W. Mathisen 2. A. F. Adkins
<u>Gulf Energy and Minerals Company-U.S.</u>	<u>H. L. Strider</u> P. O. Box 1392 5400 Rosedale Highway Bakersfield, Ca. 93302 (805)324-6031 <u>Alternate</u> 1. F. W. Mize 2. H. G. Peters, Jr.	<u>F. W. Mize</u> P. O. Box 1392 5400 Rosedale Highway Bakersfield, Ca. 93302 (805)324-6031 <u>Alternate</u> 1. H. G. Peters, Jr. 2. H. L. Strider
<u>Marathon Oil Company</u>	<u>R. D. Mathis</u> P. O. Box 3128 Houston, Texas 77001 (713)629-6600 <u>Alternate</u> 1. B. G. Howard 2. R. W. Parker	<u>R. D. Mathis</u> <u>Alternate</u> 1. B. G. Howard 2. R. W. Parker

March 1977

CLEAN SEAS INCORPORATED
OFFICIAL LIST
OF
REPRESENTATIVES OF MEMBERS AND DIRECTORS

<u>Company</u>	<u>Members</u>	<u>Directors</u>
<u>Mobil Oil Corporation</u>	<u>W. D. Fritz</u> 612 South Flower Street P. O. Box 2122 Los Angeles, Ca. 90051 (213)683-5800 <u>Alternate</u> 1. N. H. Smith, Jr. 2. T. J. Abshier	<u>T. J. Abshier</u> 612 South Flower Street P. O. Box 2122 Los Angeles, Ca. 90051 (213)683-5802 <u>Alternate</u> 1. W. D. Fritz 2. N. H. Smith, Jr.
<u>Phillips Petroleum Company</u>	<u>R. L. Rayl</u> 1010 Security Life Bldg. Denver, Colorado 80202 (303)573-6611 <u>Alternate</u> 1. J. P. Denny 2. B. C. Piester 3. H. D. Forrer	<u>B. C. Piester</u> P. O. Box 2099 1306 Santa Barbara St. Santa Barbara, Ca. 93101 (805)963-3751 <u>Alternate</u> 1. H. D. Forrer 2. J. C. Evans
<u>Shell Oil Company</u>	<u>W. T. Weller</u> 196 South Fir Street Ventura, Ca. 93001 (805)648-2751 <u>Alternate</u> 1. G. W. Jones 2. M. F. Zwirbla	<u>W. T. Weller</u> <u>Alternate</u> 1. G. W. Jones 2. M. F. Zwirbla

CLEAN SEAS INCORPORATED

OFFICIAL LIST

OF

REPRESENTATIVES OF MEMBERS AND DIRECTORS

<u>Company</u>	<u>Member</u>	<u>Directors</u>
<u>Sun Production Company</u>	<u>M. R. Elliott</u> P. O. Box 1501 Houston, Texas 77001 (713)663-3637	<u>Garland Robbins</u> P. O. Box AQ 2580 East Main Street Ventura, Ca. 93001 (805)648-3251
	<u>Alternate</u>	<u>Alternate</u>
	1. J. A. Morgan	1. J. A. Morgan
 <u>Texaco, Inc.</u>	 <u>Darrell Pierson</u> 3350 Wilshire Boulevard Los Angeles, Ca. 90010 (213)385-0515	 <u>Darrell Pierson</u>
	<u>Alternate</u>	<u>Alternate</u>
	1. D. L. Shoenberger	1. D. L. Shoenberger
 <u>Union Oil Company of California</u>	 <u>J. J. Wasicek</u> P. O. Box 7600, T.A. 461 Boylston Los Angeles, Ca. 90051 (213)486-7072	 <u>R. M. Barnds</u> P.O. Box 6176 Ventura, Ca. 93003 (805)659-0130
	<u>Alternate</u>	<u>Alternate</u>
	1. R. M. Barnds 2. R. S. Gillen	1. R. S. Gillen 2. R. C. Keller

APRIL 1977

Other Considerations

Union Oil Company is a member and a major contributor to Clean Seas, Inc., a cooperative group formed by Companies operating in the Santa Barbara Channel. The purpose of this organization is to maintain the capability to cleanup and contain oil spills in the area.

As a condiment to our contingency plan, the CSI Contingency Plan and the CSI Oil Spill Prevention and Control - Summary and Recommendations manual are maintained in the District Office for use and reference in the event of a spill.