

Unocal Oil & Gas Division
Unocal Corporation
3300 North Butler Avenue
Suite 200
Farmington, New Mexico 87401
Telephone (505) 326-7600
Fax: (505) 326-6145

UNOCAL 

December 4, 1992

Farmington District

State of Utah
Department of Natural Resources
Division of Oil Gas, & Mining
335 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attention: Mr. Frank Matthews

RE: Exception to Location and Siting of Well
Lisbon C-810I
San Juan County, Utah

RECEIVED

DEC 7 1992

DIVISION OF
OIL GAS & MINING

Dear Mr. Matthews:

As discussed on Friday December 4, please find enclosed a copy of the APD approved by the BLM for the Lisbon C-810I. The BLM's approval is contingent on receiving approval from the Division of Oil & Gas & Mining for an exception to the State of Utah's general spacing order.

The well location does not conform to the normal spacing order due to the topography of the area. Within a 460' radius of the proposed well location, Union Oil Company of California owns 100% of the mineral rights.

Thank you for taking care of this matter. If you have any questions regarding this matter, please contact Tom Baiar or Jim Benson at (505)326-7600.

Sincerely,

Union Oil Company of California
dba UNOCAL



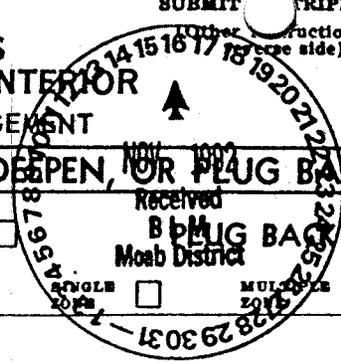
Tom E. Baiar
Petroleum Engineer

Attachment

TEB/df

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK



1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
 Union Oil Company of California

3. ADDRESS OF OPERATOR
 3300 N. Butler, Suite 200, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface: 2260' FSL & 2180' FEL (NW SE)
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 35 miles southeast of Moab, Utah

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) - 1855'
 (Also to nearest drlg. unit line, if any) - None

16. NO. OF ACRES IN LEASE: 560

17. NO. OF ACRES ASSIGNED TO THIS WELL: 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1500'

19. PROPOSED DEPTH: 4183'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6497' GR (Ungraded)

22. APPROX. DATE WORK WILL START*
 Immediately upon Approval

5. LEASE DESIGNATION AND SERIAL NO.
 U-014903

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Lisbon (U-014903)

9. WELL NO.
 C-810I

10. FIELD AND POOL, OR WILDCAT
 Lisbon/Ismay

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 10, T.30S., R.24E.

12. COUNTY OR PARISH
 San Juan

13. STATE
 Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT	Expected Cmt. Top
17-1/2"	13-3/8"	48#	30'	10 SX	Surface
12-1/4"	8-5/8"	36#	500'	±250 SX	Surface
7-7/8"	5-1/2"	17#	1483'	±500 SX	±1500'

Proposed Drilling Program:

Drill 17-1/2" hole with rat-hole machine to 30'. Set and cement 13-3/8" conductor. Move in rotary rig. Drill 12-1/4" hole to 500'. Run and cement 8-5/8" casing. Drill 7-7/8" hole to approximate total depth of 4183'. Run logs. If logs indicate production, run and cement 5-1/2" casing, perforate, and test zones that may be productive. Complete with 2-7/8" tubing.

The BOP will be operationally tested daily and each test logged.

Note: Bond No. U-73310 (Federal Nationwide)
 CAC048



DEC 07 1992

DIVISION OF OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED: Jim Benson TITLE: District Drilling Superintendent

(This space for Federal or State office use)

PERMIT NO. 43-037-31697

APPROVED BY: William C. Stungs TITLE: Assistant District Manager for Minerals

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

APPROVAL DATE: 12-9-92

WELL SPACING: 649-3-3

CONDITIONS OF APPROVAL, IF ANY:
 FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A

CONDITIONS OF APPROVAL ATTACHED

*See Instructions On Reverse Side

Company Unocal

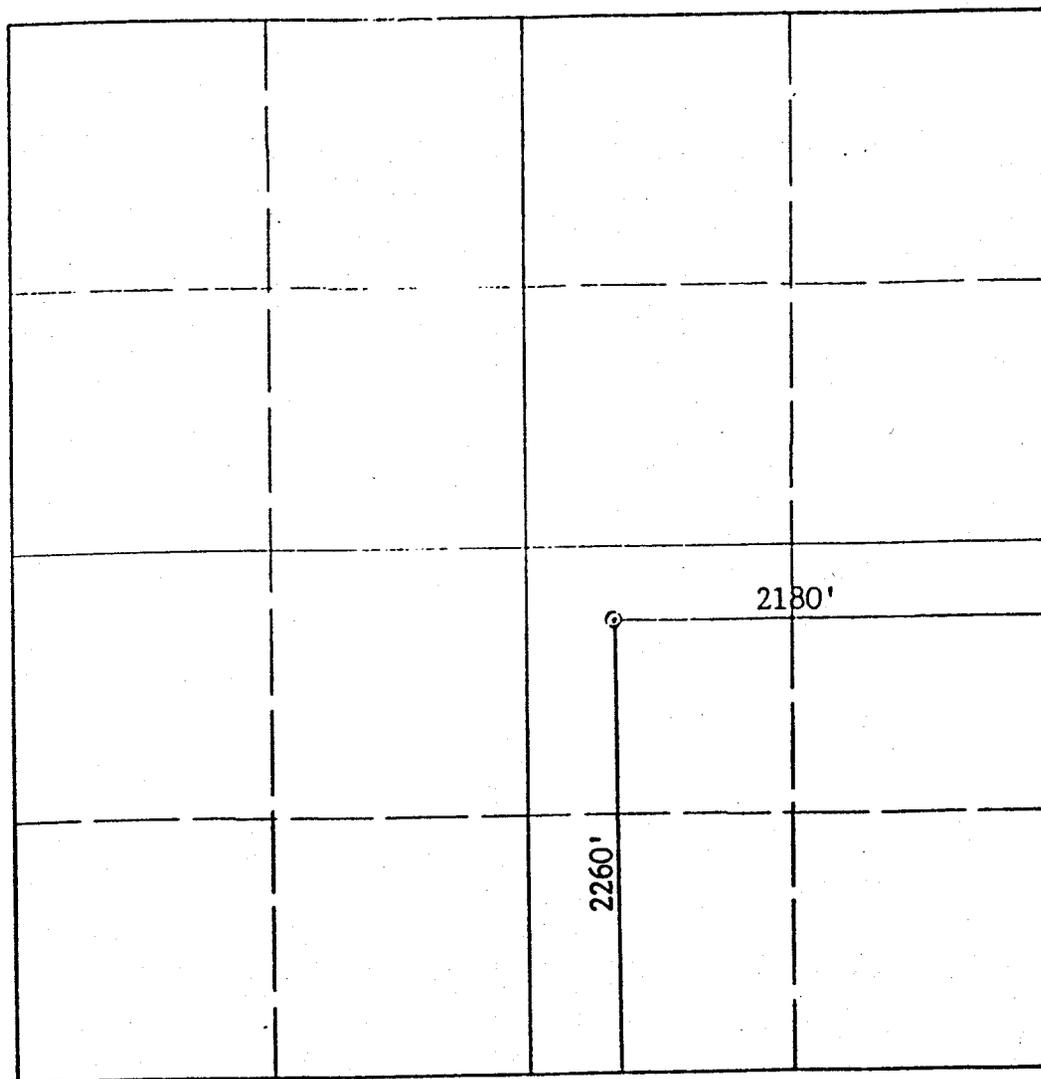
~~BLINDING WELL FILE~~

Well Name & C 810-I

Location 2260 F/SL and 2180 F/EL

Sec. 10 . T 30S R 24E S.L.M. County San Juan Utah

Ground Elevation 6497



Scale: 1" = 1000'

Surveyed October 10 . 19 92

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Seal:



Cecil B. Tullis

Cecil B. Tullis
Registered Land Surveyor
New Mexico Reg. No. 9672
Non-Resident Certification as
Authorized by Utah State Law
59 - 22 - 21 (b)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Union Oil Company of California

3. ADDRESS OF OPERATOR
 3300 N. Butler, Suite 200, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 2260' FSL & FEL (NW SE)
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 35 miles southeast of Moab, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) - None
 16. NO. OF ACRES IN LEASE 560

17. NO. OF ACRES ASSIGNED TO THIS WELL 40
 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1500'
 19. PROPOSED DEPTH 4183'

20. ROTARY OR CABLE TOOLS Rotary
 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6497' GR (Ungraded)
 22. APPROX. DATE WORK WILL START* Immediately Upon Approval

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT	Expected Cmt. Top
17-1/2"	13-3/8"	48#	30'	10 sx	Surface
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The BOP will be operationally tested daily and each test logged.

Note: Bond No. U-73310 (Federal Nationwide)
 (CA 0048)

RECEIVED

DEC 07 1992

DIVISION OF
OIL GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED [Signature] TITLE District Drilling Supt. DATE 10-30-92

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 Assistant District Manager
 APPROVED BY _____ TITLE for Minerals DATE _____

CONDITIONS OF APPROVAL, IF ANY:

FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
Dated 1/1/80

CONDITIONS OF APPROVAL ATTACHED
 *See Instructions On Reverse Side

Union Oil Company of California
Lisbon C-8101
Lease U-014903
NWSE Section 10, T.30S., R.24E.
San Juan County, Utah

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Union Oil Company of California is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by CA0048 (Principal - Union Oil Company of California) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

This permit will be valid for a period of one year from the date of approval. After permit termination, a new application must be filed for approval.

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Orders, lease terms, notices to lessees, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to field representatives to insure compliance.

A. DRILLING PROGRAM

- 1. There will be no deviation from the proposed drilling and/or workover program without prior approval from the Assistant District Manager. "Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2. Safe drilling and operating practices must be observed.**
- 2. Daily drilling and completion progress reports shall be submitted to the District Office on a weekly basis.**
- 3. Due to potential for contamination of usable quality water aquifers, chromates are banned from Federal leases.**
- 4. The surface casing shall be set a minimum of 50 feet into the Chinle Formation, regardless of the depth at which it is encountered. The proposed 500 feet of surface casing should be adequate, but be aware that it must reach the Chinle.**
- 5. Although the BOPE is rated to 3000 psi, the system is designed such that it only meets the requirements of a 2M system per Onshore Oil and Gas Order No. 2 (OOGO No. 2). The system is acceptable as designed, but must be tested in accordance with OOGO No. 2. Pressure tests of the surface casing and all BOP equipment potentially subject to pressure will be conducted before drilling the surface casing shoe. Blowout preventer controls will be installed prior to drilling the surface casing shoe and will remain in use until the well is completed or abandoned.**
- 6. The location of this well does not conform to the State of Utah general spacing order. Prior to drilling this well you must have exception location approval from the State, Division of Oil, Gas and Mining.**
- 7. All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth and will be cased and cemented. All oil and gas shows will be tested to determine commercial potential.**

B. SURFACE USE PLAN

1. The dirt contractor will be provided with an approved copy of the surface use plan of operations before initiating construction.
2. No construction or drilling operations will be authorized between February 1 and July 15, unless additional raptor surveys are completed prior to conducting operations to identify and avoid raptor nesting sites within 1/2 mile of the proposed action. Any peregrine falcon nesting areas identified within the project area will be avoided by 1 mile.
3. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer. Within five working days the authorized officer will inform the operator as to:
 - whether the materials appear eligible for the National Register of Historic Places;
 - the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and,
 - a timeframe for the authorized officer to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the authorized officer are correct and that mitigation is appropriate.

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the authorized officer will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The authorized officer will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the authorized officer that the required mitigation has been completed, the operator will then be allowed to resume construction.

4. All wells, whether drilling, producing, suspended, or abandoned, will be identified in accordance with 43 CFR 3162.6. When the well is abandoned, the abandonment marker must be at least four feet above restored ground level and must be inscribed with the following: operator name, lease number, well name and surveyed description (township, range, section and either quarter-quarter or footages).

5. All off-lease storage, off-lease measurement, or commingling (on-lease or off-lease) shall have prior written approval from the Assistant District Manager.
6. In the event the road is graveled or surfaced, the material will be removed prior to recontouring the surface for rehabilitation.

C. REQUIRED APPROVALS, REPORTS AND NOTIFICATIONS

Required verbal notifications are summarized in Table 1, attached.

Building Location- Contact the Resource Area, Natural Resource Protection Specialist at least 48 hours prior to commencing construction of location.

Spud- The spud date will be reported to the Resource Area Office 24 hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within 24 hours after spudding, regardless of whether spud was made with a dry hole digger or big rig.

Daily Drilling Reports- Daily drilling reports shall detail the progress and status of the well and shall be submitted to the District Office on a weekly basis.

Monthly Reports of Operations- In accordance with Onshore Oil and Gas Order No. 1, this well shall be reported on Minerals Management Service (MMS) Form 3160, "Monthly Report of Operations," starting the month in which operations commence and continuing each month until the well is physically plugged and abandoned. This report will be filed directly with MMS.

Sundry Notices- There will be no deviation from the proposed drilling and/or workover program without prior approval from the Assistant District Manager. "Sundry Notices and Reports on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2. Safe drilling and operating practices must be observed.

Drilling Suspensions- Operations authorized by this permit shall not be suspended for more than 30 days without prior approval of the Authorized Officer. All conditions of this approval shall be applicable during any operations conducted with a replacement rig.

Undesirable Events- Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be immediately reported to the Resource Area in accordance with requirements of NTL-3A.

Cultural Resources- If cultural resources are discovered during construction, work that might disturb the resources is to stop, and the Area Manager is to be notified.

First Production- Should the well be successfully completed for production, the Assistant District Manager, Minerals Division will be notified when the well is placed in producing status. Such notification may be made by phone, but must be followed by a sundry notice or letter not later than five (5) business days following the date on which the well is placed on production.

A first production conference will be scheduled as soon as production testing begins and hydrocarbons reach the surface. This conference should be coordinated through the Resource Area Office.

Well Completion Report- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings and /or samples) will be submitted when requested by the Assistant District Manager.

Venting/Flaring of Gas- NTL-4A allows venting/flaring of gas during the initial well evaluation period not to exceed 30 days or 50 MMcf. Venting/flaring beyond the initial test period threshold must be approved by the District Office.

Produced Water- Produced waste water may be confined to an unlined pit for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted to the Assistant District Manager for approval pursuant to NTL-2B.

Off-Lease Measurement, Storage, Commingling- Prior approval must be obtained from the Assistant District Manager for off-lease measurement, off-lease storage or commingling (either down-hole or at the surface).

Plugging and Abandonment- If the well is completed as a dry hole, plugging instructions must be obtained from the BLM, Moab District Office prior to initiating plugging operations. Table 1 of this document provides the after-hours phone numbers of personnel who are authorized to give plugging instructions.

A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the Assistant District Manager, Minerals Division within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Manager or his representative, or the appropriate surface managing agency.

TABLE 1

NOTIFICATIONS

Notify Rich McClure, Jack Johnson or Elmer Duncan of the Grand Resource Area in Moab, Utah, at (801) 259-8193 for the following:

2 days prior to commencement of dirt work, construction and reclamation;

1 day prior to spudding;

50 feet prior to reaching surface and intermediate casing depths;

3 hours prior to testing BOPE;

If the person at the above number cannot be reached, notify the Moab District Office at (801) 259-6111. If unsuccessful, notify one of the people listed below.

Well abandonment operations require 24 hour advance notice and prior approval. In the case of newly drilled dry holes, verbal approval can be obtained by calling the Moab District Office, Branch of Fluid Minerals at (801) 259-6111. If approval is needed after work hours, you may contact the following:

Eric Jones, Petroleum Engineer

Office: (801) 259-6111

Home: (801) 259-2214

If unable to reach the above individual, please call:

Lynn Jackson,
Chief, Branch of Fluid Minerals

Office: (801) 259-6111

Home: (801) 259-7990

UNION OIL COMPANY OF CALIFORNIA

LISBON WELL NO. C-810I
Sec. 10, T.30S., R.24E.
San Juan County, Utah

A. DRILLING PROGRAM

1. Surface Formation: Wingate

Estimated Tops of Geological Markers:

Ungraded Ground Elevation - 6497'

<u>Formation</u>	<u>Depth Below G.L. (MD)</u>
Honaker Trail	2142'
La Sal	3180'
Paradox Shale	3770'
U. Ismay	3865'
U. Ismay Dolomite	3895'
Hovenweep Shale	3930'
L. Ismay	3980'
L. Ismay Dolomite	4025'
Desert Creek Shale	4050'
Paradox Salt	4123'
Total Depth	4183'

2. Estimated Depth at Which Oil, Gas, Water or Other Mineral-Bearing Zones Are Expected to be Encountered:

	<u>Formation</u>	<u>Top</u>	<u>Bottom</u>
<u>Expected Oil Zones:</u>	La Sal	3180'	3770'
	U. Ismay	3865'	3895'
	L. Ismay	3980'	4025'

<u>Expected Gas Zones:</u>	La Sal	3180'	3770'
	U. Ismay	3865'	3895'
	L. Ismay	3980'	4025'

Expected Water Zones: May encounter water flows from surface to 3770'

Expected Mineral Zone: None

3. Pressure Control BOP's: (See Attachment Nos. 1, 2, and 3)

Wellhead:

Casing Head: 8-5/8" x 10" - 3000 psi W.P.

BOP Stack:

One double-gate BOP with 4-1/2" pipe rams and blind rams.

One choke manifold with adjustable and positive chokes.

The BOP and choke manifold will be rated at 3000 psi.

A rotating head will be used if air is used as a drilling fluid.

Test:

The BOP's and choke manifold, and casing will be pressure tested to 1000 psi for 30 minutes before drilling cement on surface casing. BOP's will be operationally tested daily and each test will be logged in the IADC Drilling Report.

4. Casing Program:

Conductor - 13-3/8" @ 30'

(Mud Wt. 9.6 ppg)

<u>Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Thread</u>	<u>New/Used</u>
0-30'	13-3/8"	48#	H-40	Welded	New

Surface Casing - 8-5/8" @ 500'

(Mud Wt. 9.6 ppg)

<u>Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Thread</u>	<u>New/Used</u>
0-500'	8-5/8"	24#	K-55	ST&C	New

Production Casing - 5-1/2" @ 4183'

(Mud Wt. 9.2 ppg)

<u>Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Thread</u>	<u>New/Used</u>
0-4183'	5-1/2"	15.5#	K-55	LT&C	New

Note: Cement top for production casing will cover the Honaker Trail formation (estimated cement top is 2000').

Minimum Safety Factors

Collapse: 1.125
Tension: 1.8
Burst: 1.0

5. Drilling Fluid: Low solids not dispersed (LSND) fresh water mud and/or air.

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Vis</u>	<u>F.L.</u>
0-500'	Gel/Lime	9.2-9.6	45-65	N.C.
500-±3800'	Fresh Water	8.4-8.6	30-35	N.C.
±3800-T.D.	LSND	8.7-9.2	35-45	<10

Sufficient materials to maintain mud requirements and to meet minor lost circulation and threatened blowout conditions shall be stored at the location. If air drilling is attempted, the Blooie Line will be misted to reduce fugitive dust.

6. Testing, Logging and Coring Program:

DST's: None planned.

Logging: A DIL./Sonic, Den.-Neutron - Gamma Ray and Caliper will be run from bottom of surface casing to T.D.

A Cyberlook and FMS log will be run in selected zones.

Cores: 1. 3890' - 3950' Upper Ismay
2. 4020' - 4080' Lower Ismay

Completion:

All productive zones will be selectively perforated, treated with ± 100 gallons of 15% HCL per foot of perforations, and tested.

7. Abnormal Pressures, Temperatures, and Potential Hazards:

No abnormal temperatures or pressures are anticipated.

<u>Formation</u>	<u>Estimated Reservoir Pressures</u>
U. Ismay	1500 to 2500 psi
L. Ismay	1500 to 2500 psi

Normal temperature gradients are anticipated.

Hydrogen Sulfide Gas:

Due to the number of wells drilled in the area of well C-810I, hydrogen sulfide gas is not expected in any formations down to the projected T.D. (4183') of well C-810I. But also due to the number of wells in the area (drilled and produced from deeper formations (8500' - 10,000') that are producing from H₂S zones with H₂S present - Hydrogen sulfide detection and monitoring equipment will be in place and operating from ± 1000' to T.D.

8. Additional Information:

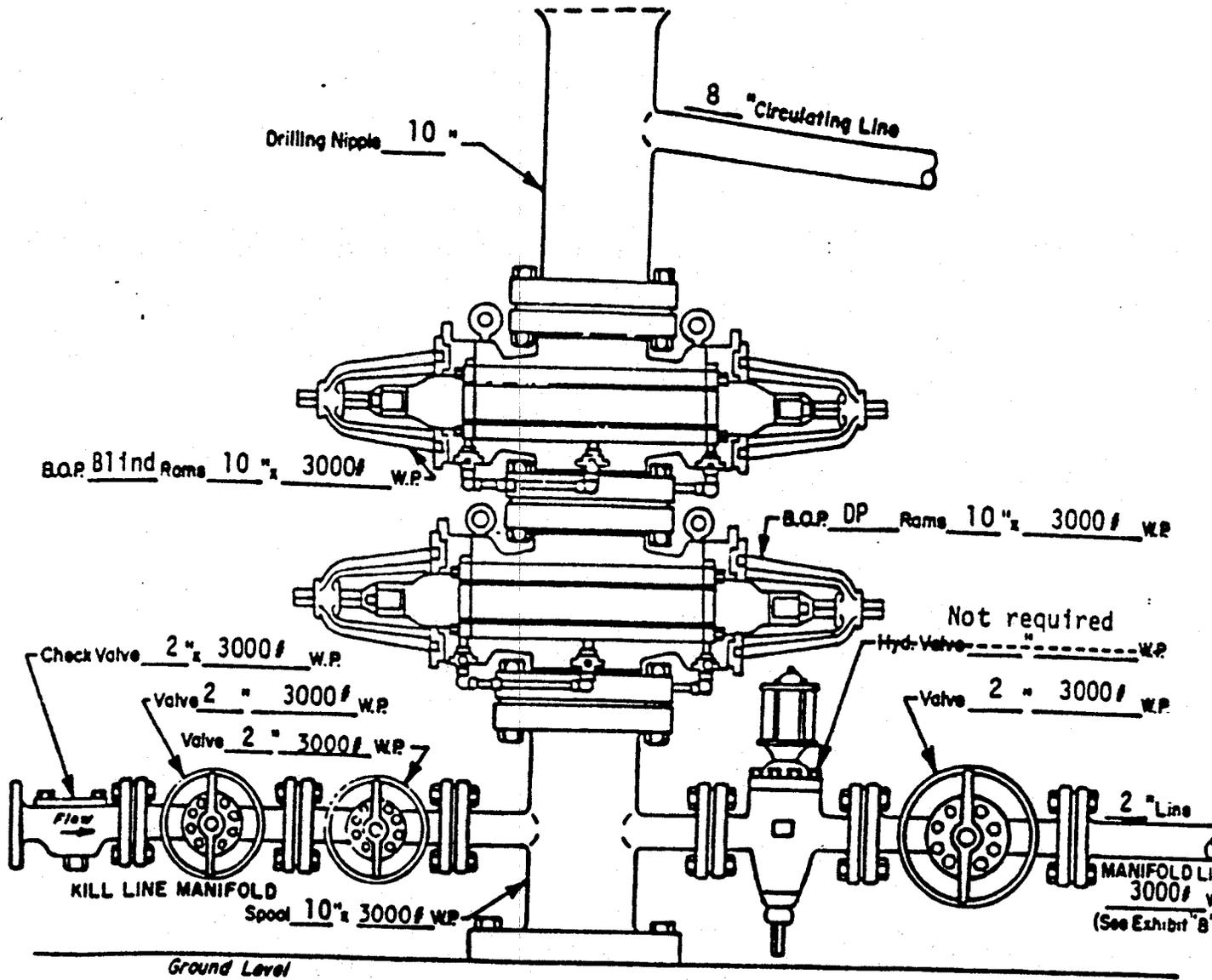
Starting Date:

The Grand Resource Area Office will be contacted 48 hours before dirt work begins. (Telephone No. - (801) 259-6111)

Road and location work will begin as soon as approval has been received from the Bureau of Land Management, weather permitting. Drilling should commence immediately upon approval of the APD.

Duration of Operations: Drilling - 20 days

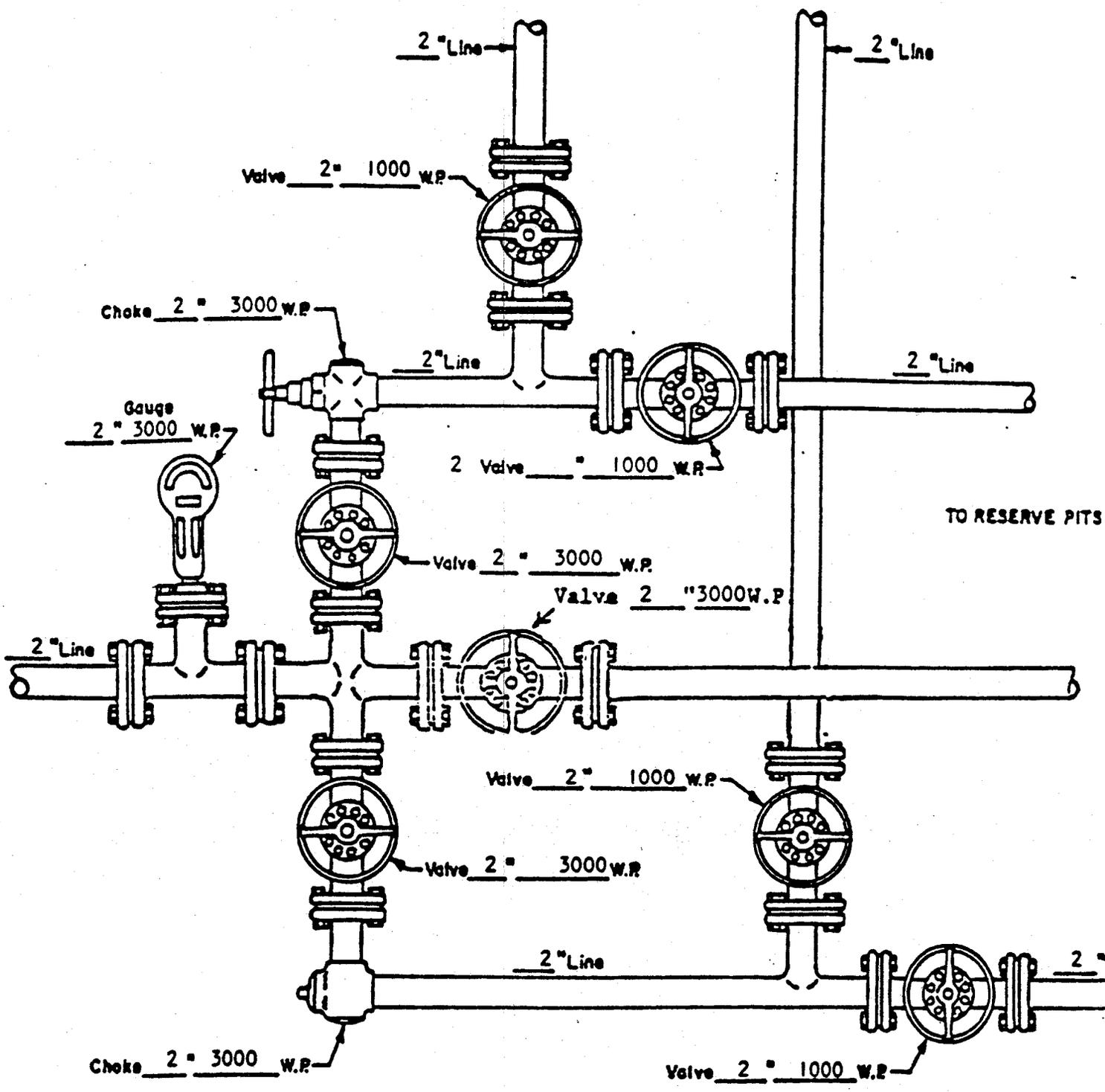
Completion - 10 days



WELL HEAD B.O.P.
 3000 #W.P.

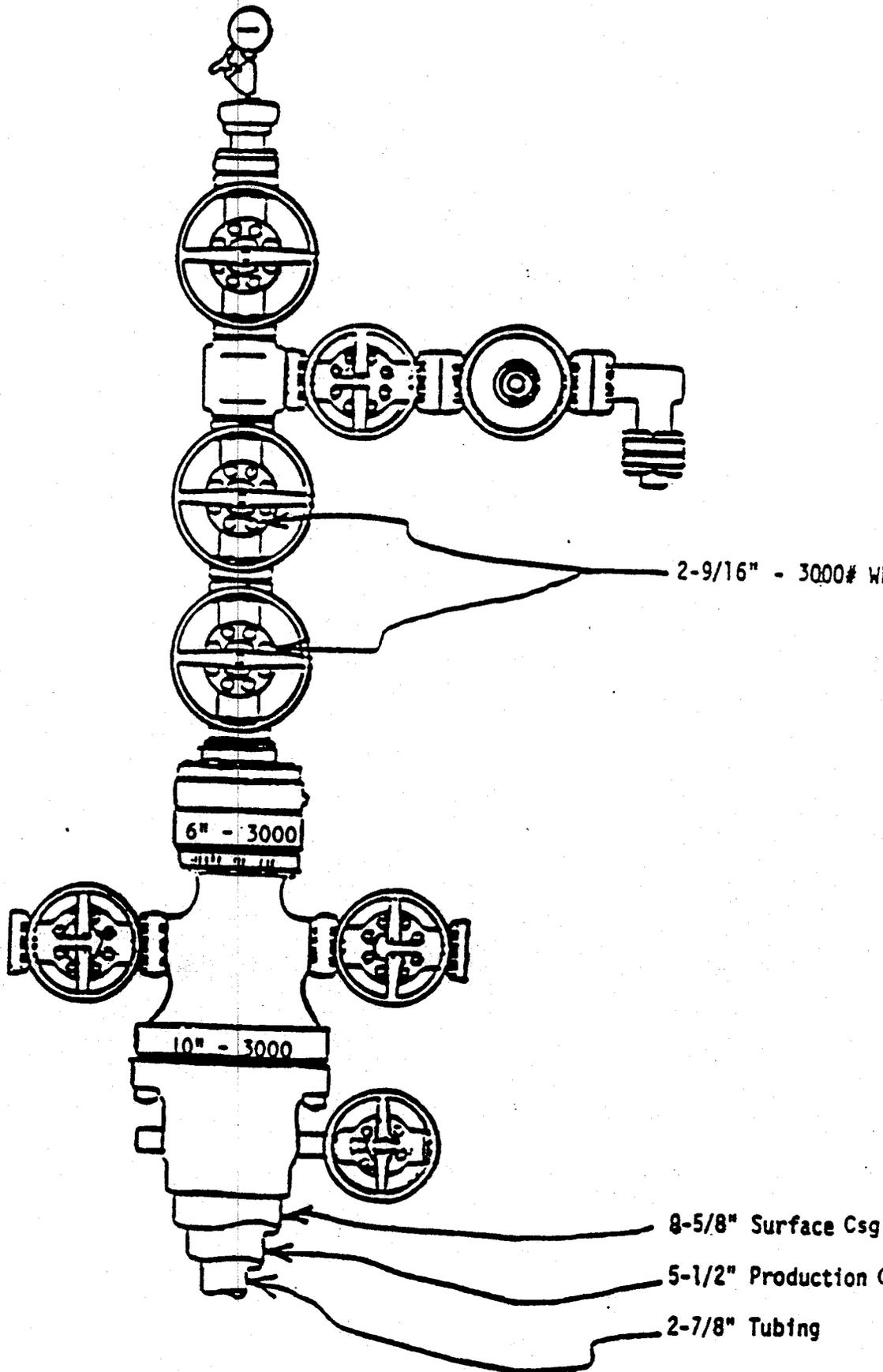
- Manual
- Hydraulic

↑
 TO WORKING PITS



MANIFOLD
 3000 W.P.

- Manual
- Hydraulic



Attachment No. 3

UNION OIL COMPANY OF CALIFORNIA

Lisbon Well No. C-810I
Sec. 10, T.30S., R.24E.
San Juan County, Utah

B. THIRTEEN-POINT SURFACE USE PLAN

1. Existing Roads:

- a. The proposed well is approximately 37 miles south and east of Moab, Utah. The well site as staked is shown on the surveyor's plat. Four directional reference points have been staked.
- b. From Moab, Utah, proceed 30 miles south on Highway No. 163 and turn left on the Lisbon Industrial Park Road. Proceed five miles east on blacktop to junction at the Union 76 sign and continue east and south for 0.9 mile to the bottom of the canyon that leads to the Big Buck Mine. Continue straight across a large culvert, then turn left and go 0.5 mile up the ridge on an existing lease road, going past Union's "core" house on the right, to the location.
- c. An existing lease road leads to the location. No new access road will be required. (See Attachment No. 4).
- d. Existing roads are shown on Attachment No. 4.
- e. The existing county road will be maintained at a standard equal to or better than the condition of the road prior to the start of operations, weather conditions permitting. At the conclusion of drilling and completion operations, the road will be repaired and restored to a standard equal to or better than the condition at the start of operations.
- f. An encroachment permit will be applied for with the San Juan County Road Department.
- g. Signs will be posted at the mouth and head of the canyon, warning of possible heavy truck traffic.

2. Planned Access Roads:

No new access road will be required. An existing access road leads to the proposed location.

3. Location of Existing Wells:

Attachment No. 5 shows producing wells, water wells and abandoned wells within one mile of Lisbon Well No. C-810I.

(1) Water Wells	- 0	(6) Producing Wells	- 8
(2) Abandoned Wells	- 1	(7) Shut-In Wells	- 4
(3) Temp. Abandoned Wells	- 0	(8) Injection Wells	- 2
(4) Disposal Wells	- 0	(9) Monitoring Wells	- 0
(5) Drilling Wells	- 0		

4. Location of Existing and/or Proposed Facilities: (Attachment No. 6)

- a.
- (1) Tank Batteries: 2
 - (2) Production Facilities: 0
 - (3) Oil Gathering Lines: 6 steel flow lines
 - (4) Gas Gathering Lines: 1 steel flow lines
 - (5) Injection Lines: 4 steel gas lines
 - (6) Disposal Lines: 0
 - (7) Nitrogen Plants: 0
- b.
- (1) All permanent production facilities will be painted one of the following colors: Largo Red, Brush Brown, or Desert Brown.
 - (2) The production pad will be approximately 325' x 225'. (See Attachment No. 6).
 - (3) No outside construction materials should be necessary.
 - (4) All equipment will either be fenced or have metal guards in place. One emergency pit will be required. It will be fenced.
 - (5) A ± 1500', 6" gas gathering line to the main gathering line is proposed. This is shown on Attachment No. 6. The tank battery will be surrounded by a dike sufficient to hold 1-1/2 times the capacity of the storage tanks.
 - (6) All site security regulations will be adhered to.
- c. Plan for rehabilitation of disturbed areas no longer needed for operations after construction is complete:
- (1) The reserve pit will be fenced. When the reserve pit is dry, the pit will be backfilled and the fence will be removed.
 - (2) The area of the drill site not needed for production operations, including the reserve pit, will be recontoured to the natural level. The topsoil will be redistributed and will be reseeded with a recommended BLM seed mixture. Prior to reseeding, all disturbed areas will be scarified and left with a rough surface.

Note:

The BLM, Grand Resource Area, will be notified at (801)259-6111 forty-eight (48) hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.

5. Location and Type of Water Supply:

- a. The well will be drilled with fresh water from a commercial pond 6-1/2 miles from the location and fresh water from the Lisbon Valley plan water wells.
- b. The water will be hauled by truck to the location along the existing road.
- c. No water well is proposed.

6. Source of Construction Materials:

- a. The proposed location will utilize soil material which is on the location. No construction materials will be needed.
- b. Topsoil from the location will be stockpiled at the wellsite for restoration purposes. The soil material will be obtained from the immediate area of the drilling operations and will be used to fill in the low areas. (See Attachment No. 9)

7. Methods for Handling Waste Disposal:

- a. The reserve pit will be lined. Cuttings will be buried in the reserve pit. Prior to drilling, the reserve pit will be fenced on three sides with four strands of barbed wire.
- b. Drilling fluids will be disposed of in the reserve pit. The water will be allowed to evaporate and the remaining solids will be buried. The top of the pit will be netted while allowing the water to evaporate.
- c. In the event of a producing well, produced fluids will be handled in a tank battery on the location. Produced water will be disposed of in accordance with NTL-2B.
- d. Chemical toilets will be utilized.
- e. Garbage and other waste material will be disposed of in a portable trash cage which will be completely enclosed with small mesh wire. The trash will be hauled to an approved landfill or incinerated off-site.

- f. If burning is required, a burning permit will be obtained from the State Fire Warden, John Baker - Telephone No. (801) 587-2705.
 - g. When the rig moves out, all extraneous material will be disposed of as garbage or hauled to town. When the pits have dried, they will be backfilled and recontoured.
8. Ancillary Facilities:
- No camps or airstrips will be needed.
9. Well Site Layout: (See Attachment Nos. 7, 8, and 9)
- a. Maximum cut will be 19'. Maximum fill will be 12'. Depending on the size of the drilling rig, the well site dimensions will be reduced and therefore the maximum cut will be reduced.
 - b. No living facilities will be installed; however, two trailer houses will be on location for company personnel.
 - c. The pits will be lined.
10. Plans for Restoration of Surface: (See Attachment No. 6)
- a. Backfilling, leveling, contouring, and waste disposal:

After the reserve pit is dry, the pits and unused portion of the location will be backfilled, leveled, and contoured to the natural level. The topsoil will be redistributed over the area.
 - b. Revegetation and rehabilitation:

The location will be reseeded with a recommended BLM seed mixture as per BLM specifications.
 - c. Care of pits prior to rig release:

Prior to rig release, pits will be fenced and a netting placed over the top and so maintained until cleanup.
 - d. If oil is on the pit, it will be removed.
 - e. Immediately following the completion of operations, cleanup will commence. As soon as the pit is completely dry, the pit will be filled and cleanup finalized. Seed will be broadcast in the fall of the year.
11. Surface Ownership:
- The land is federally owned and is administered by the BLM.

12. Other Information:

a. Topography, soil characteristics, geologic features, etc:

The terrain surrounding the location is a semi-arid, desert-type country. The location lies on a high ridge. Cedar, sage, and desert grasses grow on the rocky, sparse topsoil. The location consists of a solid rock outcrop of sandstone. Rabbits, mule deer, and lizards are typical fauna.

b. Other surface-use activities and surface ownership of all involved lands:

The surface is used for livestock grazing and is administered by the Bureau of Land Management. The land is federally owned.

c. Proximity of water, occupied dwellings, archaeological, historical or cultural sites:

There are no reservoirs or flowing streams in the immediate area of this lease.

An archaeological survey has been made and archaeological clearance has been recommended. The Archaeological report (LAC #9261) has been submitted to the BLM Office in Moab Utah.

d. The MiVida Mine will be notified if blasting is required while building the location. Contact Mr. Charles Person, Safety Director at (801) 259-5904.

13.

a. Operator's Field Representative:

Jim Benson
Union Oil Company of California
3300 N. Butler, Suite 200
Farmington, NM 87401
Phone (505) 326-7600
or

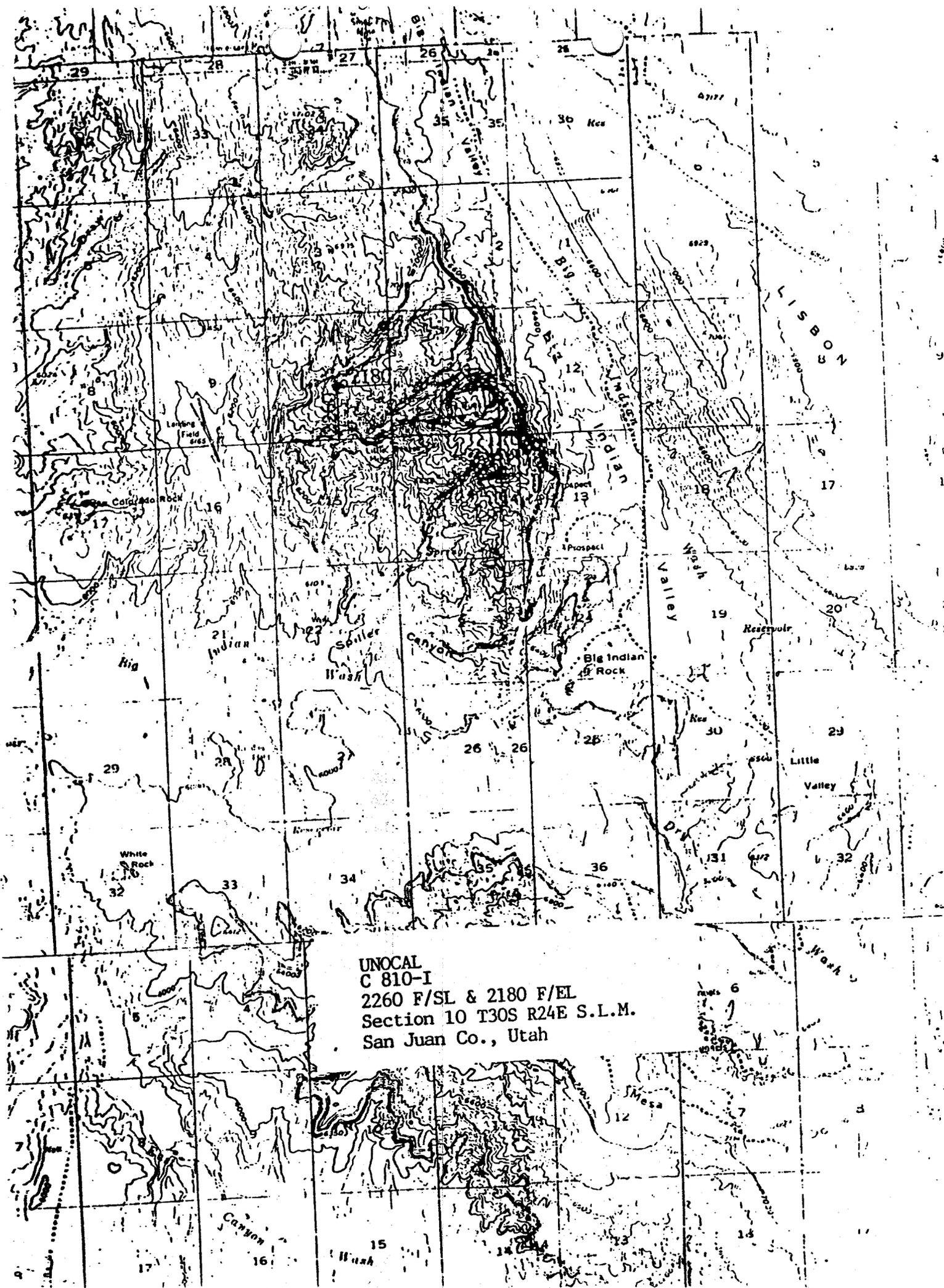
P. O. Box 2620
Casper, Wyoming 82602-2620
Phone (307) 234-1563

b. Certification:

I hereby certify that, I or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Union Oil Company of California and its contractors and subcontractors in conformity with this plan and the terms and conditions under which its is approved.

10/30/92
Date

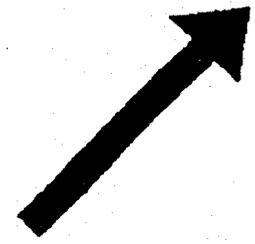
James Benson
District Drilling Superintendent



UNOCAL
C 810-I
2260 F/SL & 2180 F/EL
Section 10 T30S R24E S.L.M.
San Juan Co., Utah

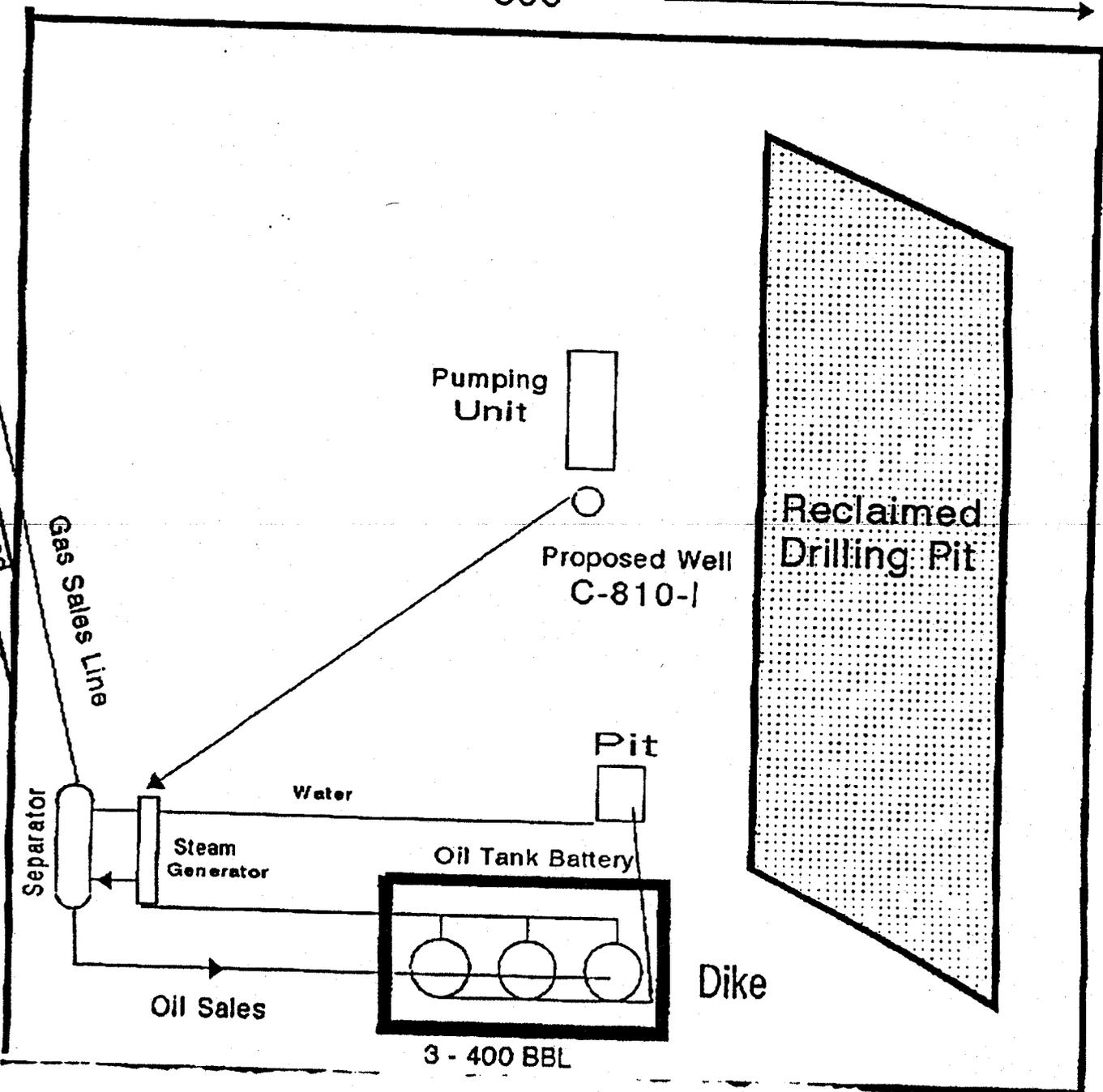
Ismay #C-810-I
2260' FNL & 2180' FEL Sec. 10, T30S R24E
San Juan Co., UTAH

N



300'

350'

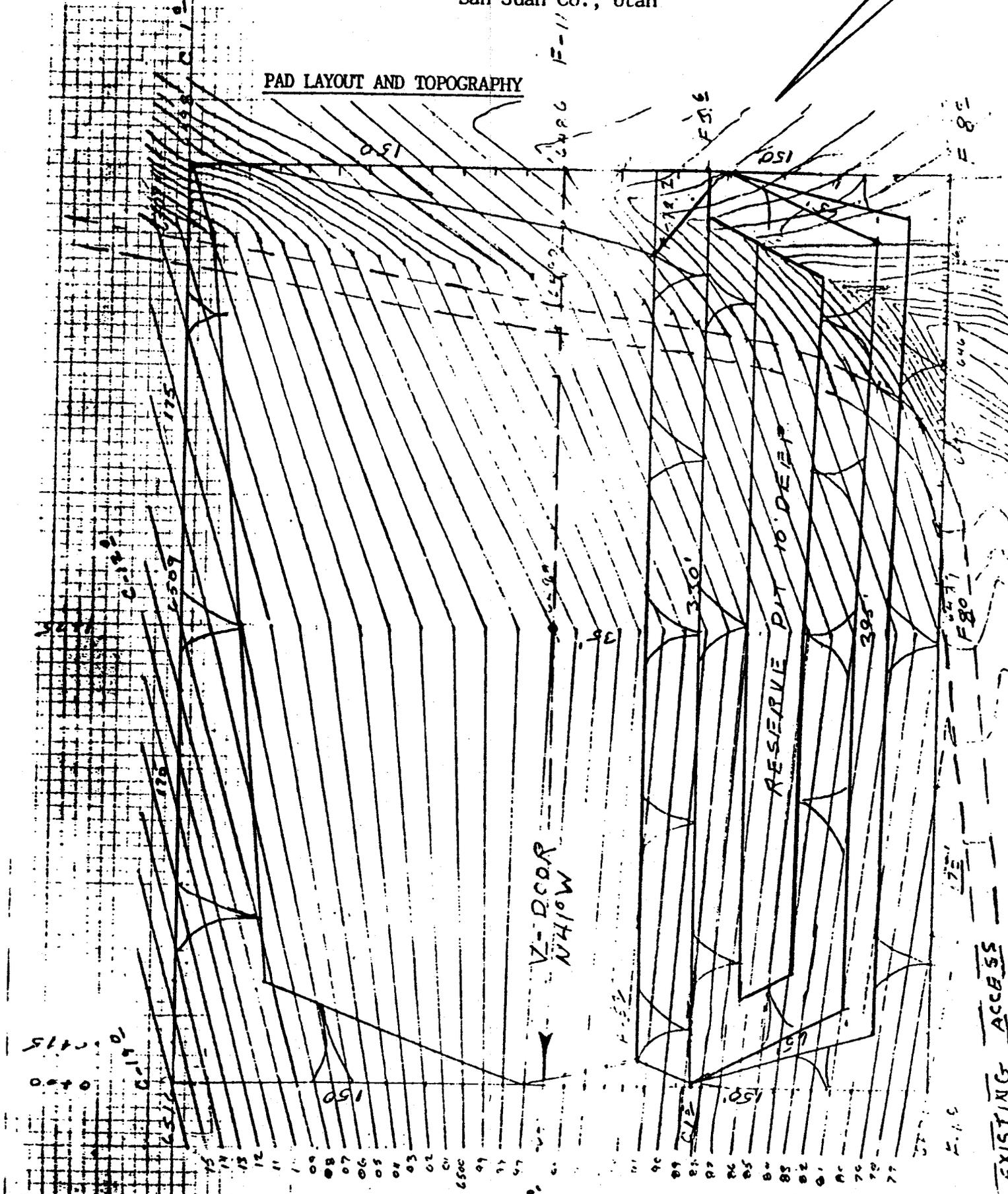


ATTACHMENT NO. 6

SCALE: 1' = 50'

UNOCAL.
C 810-I
2260 F/SL & 2180 F/EL
Sec. 10 T30S R24E S.L.M.
San Juan Co., Utah

PAD LAYOUT AND TOPOGRAPHY

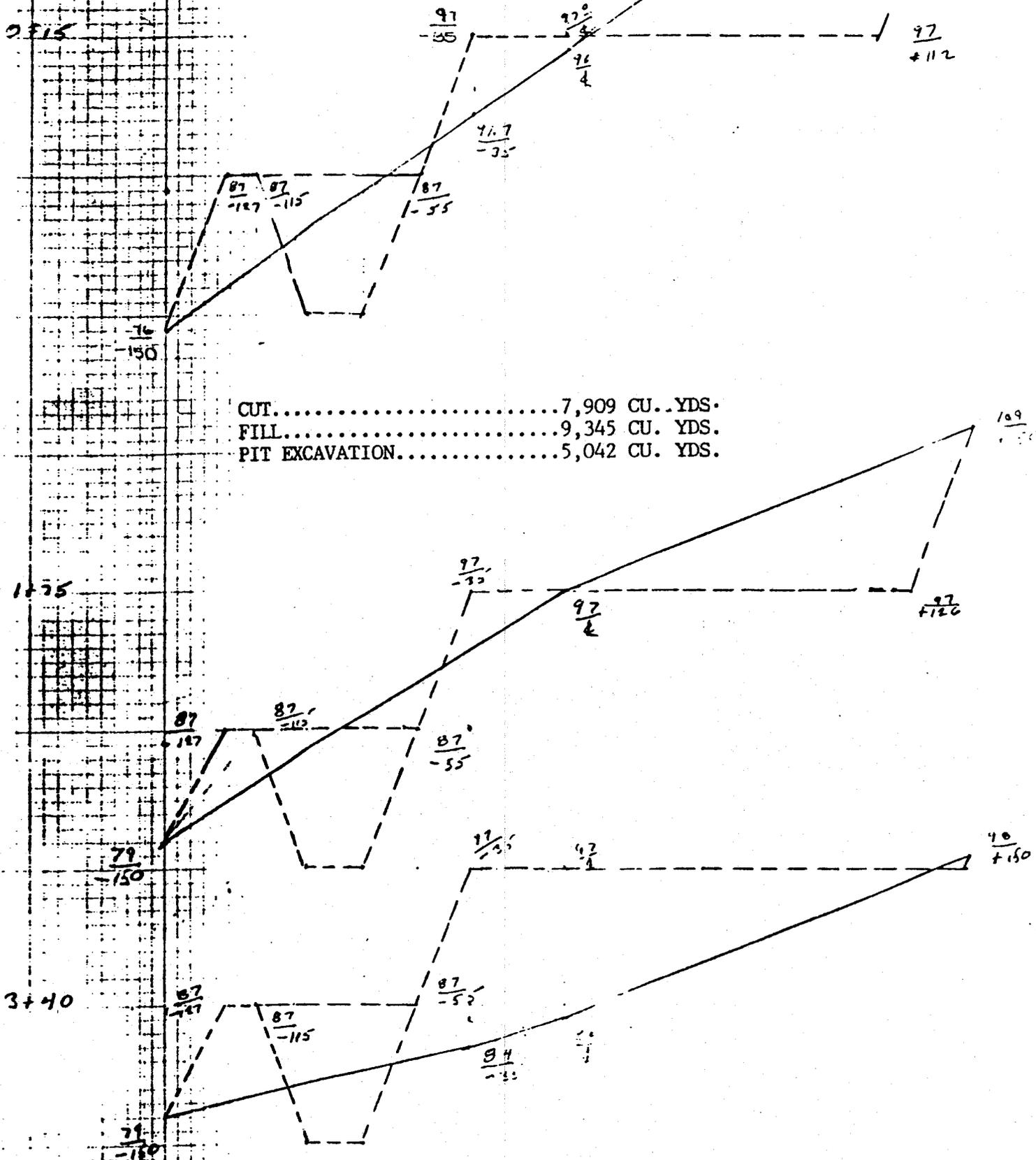


SCALE: HORZ. 1" = 50'
 VERT: 1" = 10'

1+00

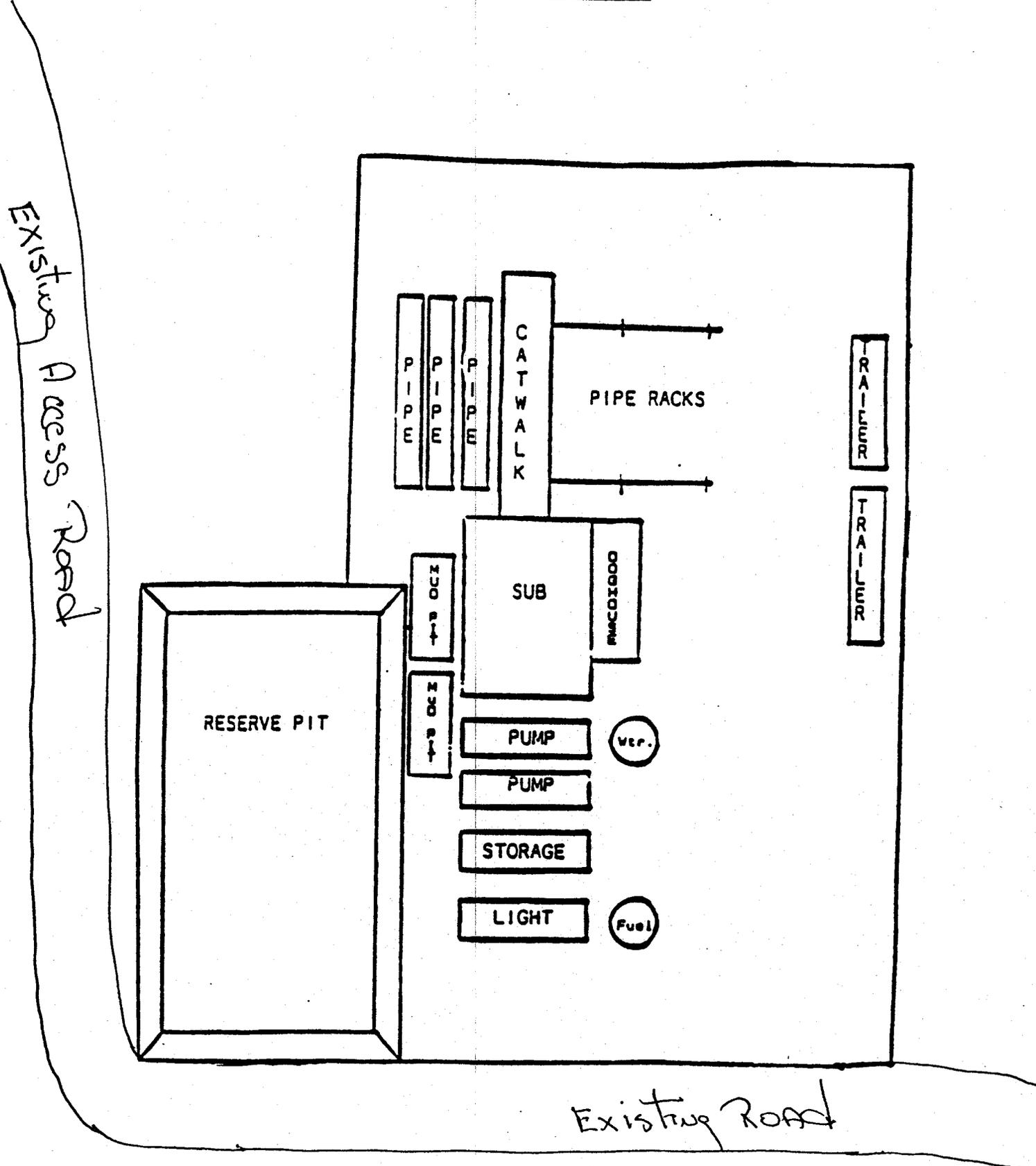
4

UNOCAL
 C 810-I
X-SECTIONS AND VOLUMES



O-CUT & FILL

Well Site Layout



Scale: 1" = 50'

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
OIL WELL GAS WELL OTHER
SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
Union Oil Company of California

3. ADDRESS OF OPERATOR
3300 N. Butler, Suite 200, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface 2260' FSL & FEL (NW SE)
At proposed prod. zone 2180'

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 35 miles southeast of Moab, Utah

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) - None

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1500'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6497' GR (Ungraded)

5. LEASE DESIGNATION AND SERIAL NO.
U-014903

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Lisbon (U-014903)

9. WELL NO.
C-810I

10. FIELD AND POOL, OR WILDCAT
Lisbon/Ismay

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 10, T.30S., R.24E.

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

16. NO. OF ACRES IN LEASE
560

19. PROPOSED DEPTH
4183'

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

20. ROTARY OR CABLE TOOLS
Rotary

22. APPROX. DATE WORK WILL START*
Immediately Upon Approval

12-8-92
Verbal given to
start work on
Location 12-7-92
by JAM.

RECEIVED
DEC 07 1992
DIVISION OF
OIL GAS & MINING

24. SIGNED Jim Benson TITLE District Drilling Supt. DATE 10-30-92

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY /S/ WILLIAM C. STRINGER TITLE Assistant District Manager DATE DEC 2 1992
for Minerals

FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
Dated 1/1/80

CONDITIONS OF APPROVAL ATTACHED

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

206m

Company Unocal

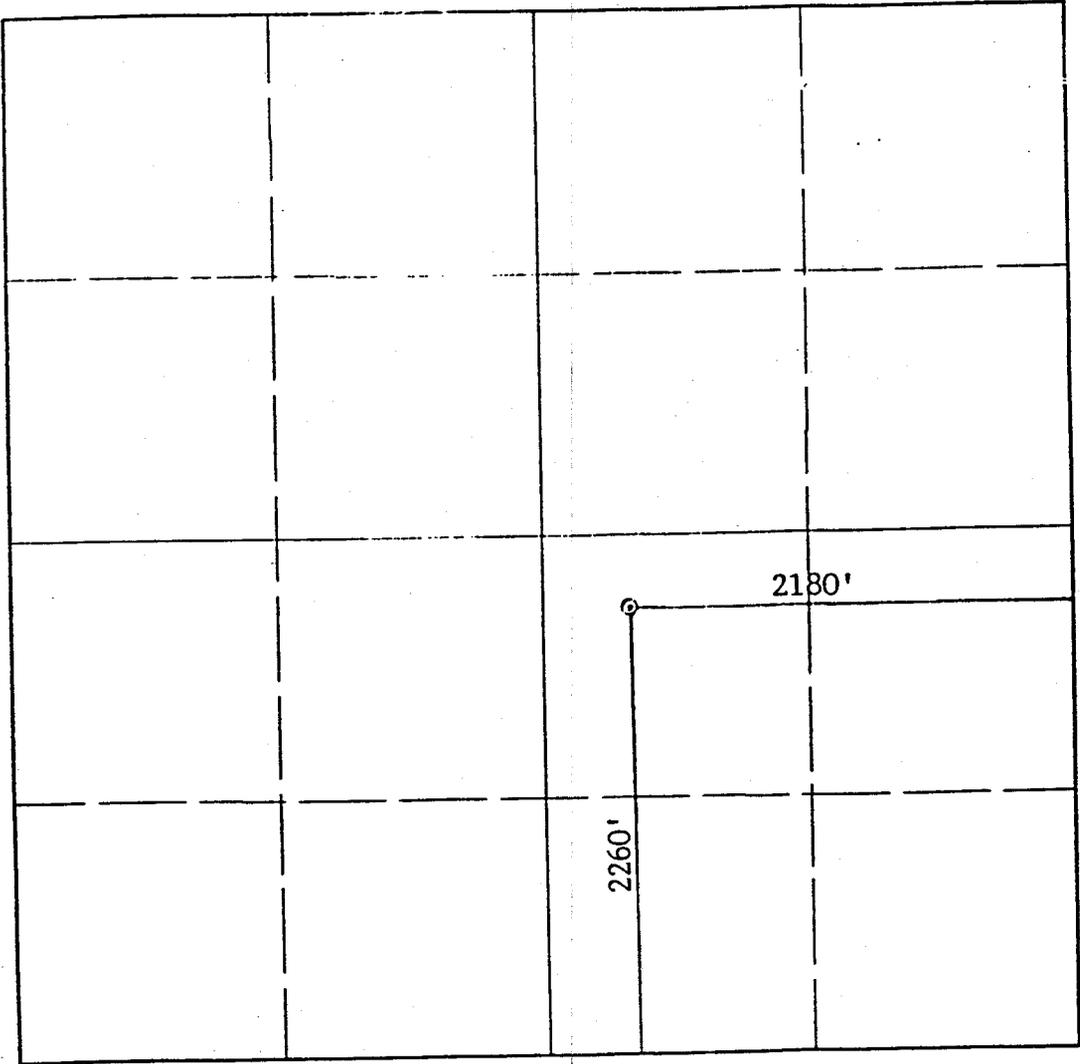
DRILLING WELL FILE

Well Name & No 810-I

Location 2260 F/SL and 2180 F/EL

Sec. 10 T 30S R 24E S.L.M. County San Juan Utah

Ground Elevation 6497



Scale: 1" = 1000'

Surveyed October 10 . 19 92

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.



Seal:

Cecil B. Tullis

Cecil B. Tullis
Registered Land Surveyor
New Mexico Reg. No. 9672
Non-Resident Certification as
Authorized by Utah State Law
58 - 22 - 21 (b)

Union Oil Company of California
Lisbon C-810I
Lease U-014903
NWSE Section 10, T.30S., R.24E.
San Juan County, Utah

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Union Oil Company of California is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by CA0048 (Principal - Union Oil Company of California) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

This permit will be valid for a period of one year from the date of approval. After permit termination, a new application must be filed for approval.

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Orders, lease terms, notices to lessees, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to field representatives to insure compliance.

A. DRILLING PROGRAM

1. There will be no deviation from the proposed drilling and/or workover program without prior approval from the Assistant District Manager. "Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2. Safe drilling and operating practices must be observed.
2. Daily drilling and completion progress reports shall be submitted to the District Office on a weekly basis.
3. Due to potential for contamination of usable quality water aquifers, chromates are banned from Federal leases.
4. The surface casing shall be set a minimum of 50 feet into the Chinle Formation, regardless of the depth at which it is encountered. The proposed 500 feet of surface casing should be adequate, but be aware that it must reach the Chinle.
5. Although the BOPE is rated to 3000 psi, the system is designed such that it only meets the requirements of a 2M system per Onshore Oil and Gas Order No. 2 (OOGO No. 2). The system is acceptable as designed, but must be tested in accordance with OOGO No. 2. Pressure tests of the surface casing and all BOP equipment potentially subject to pressure will be conducted before drilling the surface casing shoe. Blowout preventer controls will be installed prior to drilling the surface casing shoe and will remain in use until the well is completed or abandoned.
6. The location of this well does not conform to the State of Utah general spacing order. Prior to drilling this well you must have exception location approval from the State, Division of Oil, Gas and Mining.
7. All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth and will be cased and cemented. All oil and gas shows will be tested to determine commercial potential.

B. SURFACE USE PLAN

1. The dirt contractor will be provided with an approved copy of the surface use plan of operations before initiating construction.
2. No construction or drilling operations will be authorized between February 1 and July 15, unless additional raptor surveys are completed prior to conducting operations to identify and avoid raptor nesting sites within 1/2 mile of the proposed action. Any peregrine falcon nesting areas identified within the project area will be avoided by 1 mile.
3. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer. Within five working days the authorized officer will inform the operator as to:
 - whether the materials appear eligible for the National Register of Historic Places;
 - the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and,
 - a timeframe for the authorized officer to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the authorized officer are correct and that mitigation is appropriate.

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the authorized officer will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The authorized officer will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the authorized officer that the required mitigation has been completed, the operator will then be allowed to resume construction.

4. All wells, whether drilling, producing, suspended, or abandoned, will be identified in accordance with 43 CFR 3162.6. When the well is abandoned, the abandonment marker must be at least four feet above restored ground level and must be inscribed with the following: operator name, lease number, well name and surveyed description (township, range, section and either quarter-quarter or footages).

5. All off-lease storage, off-lease measurement, or commingling (on-lease or off-lease) shall have prior written approval from the Assistant District Manager.
6. In the event the road is graveled or surfaced, the material will be removed prior to recontouring the surface for rehabilitation.

C. REQUIRED APPROVALS, REPORTS AND NOTIFICATIONS

Required verbal notifications are summarized in Table 1, attached.

Building Location- Contact the Resource Area, Natural Resource Protection Specialist at least 48 hours prior to commencing construction of location.

Spud- The spud date will be reported to the Resource Area Office 24 hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within 24 hours after spudding, regardless of whether spud was made with a dry hole digger or big rig.

Daily Drilling Reports- Daily drilling reports shall detail the progress and status of the well and shall be submitted to the District Office on a weekly basis.

Monthly Reports of Operations- In accordance with Onshore Oil and Gas Order No. 1, this well shall be reported on Minerals Management Service (MMS) Form 3160, "Monthly Report of Operations," starting the month in which operations commence and continuing each month until the well is physically plugged and abandoned. This report will be filed directly with MMS.

Sundry Notices- There will be no deviation from the proposed drilling and/or workover program without prior approval from the Assistant District Manager. "Sundry Notices and Reports on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2. Safe drilling and operating practices must be observed.

Drilling Suspensions- Operations authorized by this permit shall not be suspended for more than 30 days without prior approval of the Authorized Officer. All conditions of this approval shall be applicable during any operations conducted with a replacement rig.

Undesirable Events- Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be immediately reported to the Resource Area in accordance with requirements of NTL-3A.

Cultural Resources- If cultural resources are discovered during construction, work that might disturb the resources is to stop, and the Area Manager is to be notified.

First Production- Should the well be successfully completed for production, the Assistant District Manager, Minerals Division will be notified when the well is placed in producing status. Such notification may be made by phone, but must be followed by a sundry notice or letter not later than five (5) business days following the date on which the well is placed on production.

A first production conference will be scheduled as soon as production testing begins and hydrocarbons reach the surface. This conference should be coordinated through the Resource Area Office.

Well Completion Report- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings and /or samples) will be submitted when requested by the Assistant District Manager.

Venting/Flaring of Gas- NTL-4A allows venting/flaring of gas during the initial well evaluation period not to exceed 30 days or 50 MMcf. Venting/flaring beyond the initial test period threshold must be approved by the District Office.

Produced Water- Produced waste water may be confined to an unlined pit for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted to the Assistant District Manager for approval pursuant to NTL-2B.

Off-Lease Measurement, Storage, Commingling- Prior approval must be obtained from the Assistant District Manager for off-lease measurement, off-lease storage or commingling (either down-hole or at the surface).

Plugging and Abandonment- If the well is completed as a dry hole, plugging instructions must be obtained from the BLM, Moab District Office prior to initiating plugging operations. Table 1 of this document provides the after-hours phone numbers of personnel who are authorized to give plugging instructions.

A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the Assistant District Manager, Minerals Division within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Manager or his representative, or the appropriate surface managing agency.

TABLE 1

NOTIFICATIONS

Notify Rich McClure, Jack Johnson or Elmer Duncan of the Grand Resource Area in Moab, Utah, at (801) 259-8193 for the following:

2 days prior to commencement of dirt work, construction and reclamation;

1 day prior to spudding;

50 feet prior to reaching surface and intermediate casing depths;

3 hours prior to testing BOPE;

If the person at the above number cannot be reached, notify the Moab District Office at (801) 259-6111. If unsuccessful, notify one of the people listed below.

Well abandonment operations require 24 hour advance notice and prior approval. In the case of newly drilled dry holes, verbal approval can be obtained by calling the Moab District Office, Branch of Fluid Minerals at (801) 259-6111. If approval is needed after work hours, you may contact the following:

Eric Jones, Petroleum Engineer

Office: (801) 259-6111

Home: (801) 259-2214

If unable to reach the above individual, please call:

Lynn Jackson,
Chief, Branch of Fluid Minerals

Office: (801) 259-6111

Home: (801) 259-7990

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. U-014903		
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR Union Oil Company of California			7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR 3300 N. Butler, Suite 200, Farmington, NM 87401			8. FARM OR LEASE NAME Lisbon (U-014903)		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 2260' FSL & FEL (NW SE) At proposed prod. zone 2186'			9. WELL NO. C-810I		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 35 miles southeast of Moab, Utah			10. FIELD AND POOL, OR WILDCAT Lisbon/Ismay		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) - None		16. NO. OF ACRES IN LEASE 560		17. NO. OF ACRES ASSIGNED TO THIS WELL 40	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1500'		19. PROPOSED DEPTH 4183'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6497' GR (Ungraded)			22. APPROX. DATE WORK WILL START* Immediately Upon Approval		
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 10, T.30S., R.24E.			12. COUNTY OR PARISH San Juan		
			13. STATE Utah		

BLM Bond No. CA0048
Surety ID: U 07 33 10
Nationwide: \$150,000
Bonded Principal: Union Oil Company of California
Bond Filed: 6/29/61
Bond Accepted: 6/29/61

RECEIVED

DEC 07 1992

DIVISION OF
OIL GAS & MINING

24. SIGNED Jim Benson TITLE District Drilling Supt. DATE 10-30-92

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
Assistant District Manager
APPROVED BY _____ TITLE for Minerals DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Bond Screen

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

DATE RECEIVED: 12/07/92

OPERATOR: UNION OIL CO OF CALIFORNIA OPERATOR ACCT NO: N-1030
WELL NAME: C-810I

API NO. ASSIGNED: 43-037-31697

LEASE TYPE: FED LEASE NO: U-014903
LOCATION: NWSE 10 - T30S - R24E SAN JUAN COUNTY
FIELD: LISBON FIELD CODE: 385

RECEIVED AND/OR REVIEWED:

- Plat
- Bond
(Number individual)
- Potash (Y/N)
- Oil shale (Y/N)
- Water permit
(Number no permit #)
- RDCC Review (Y/N)
(Date: _____)

LOCATION AND SITING:

- R649-2-3. Unit: _____
- R649-3-2. General.
- R649-3-3. Exception.
- Drilling Unit.
- Board Cause no: _____
- Date: _____

COMMENTS: *three ^{producing} adell wells within sec 10*
Verbal approval given by ARM 10-7-90.
Exception location requested
U-014903. E $\frac{1}{2}$, E $\frac{1}{2}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$ Sec. 10.

STIPULATIONS:

1-related Permit
cc: San Juan assessor



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangertter

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D.

Division Director

355 West North Temple

3 Triad Center, Suite 350

Salt Lake City, Utah 84180-1203

801-538-5340

December 9, 1992

Union Oil Company of California
3300 N. Butler, Suite 200
Farmington, New Mexico 87401

Gentlemen:

Re: Lisbon C-810I Well, 2260 feet from the south line, 2180 feet from the east line, NW 1/4 SE 1/4, Section 10, Township 30 South, Range 24 East, San Juan County, Utah

Pursuant to Utah Admin. R. 649-3-3, Exception to Location and Siting of Wells and Utah Admin. R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. Submittal to the division of evidence providing assurance of an adequate and approved supply of water as required by Utah Code Ann. § 73-3, Appropriations, prior to commencing drilling operations.
2. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.
3. Notification within 24 hours after drilling operations commence.
4. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
5. Submittal of the Report of Water Encountered During Drilling, Form 7.

Page 2
Union Oil Company of California
Lisbon C-8101 Well
December 9, 1992

6. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or R.J. Firth, Associate Director, (Home) (801)571-6068.
7. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

Trash and sanitary waste should be properly contained and transported to approved disposal locations, not retained in or disposed of in pits on location or downhole. Prior to the commencement of drilling operations, the operator should consult the local/county sanitarian and/or the Department of Environmental Quality, Division of Drinking Water/Sanitation, regarding appropriate disposal of sanitary waste.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-037-31697.

Sincerely,



R.J. Firth
Associate Director, Oil and Gas

ldc
Enclosures
cc: Bureau of Land Management
San Juan Assessor
J.L. Thompson
WO11

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number

U-014903

7. Indian Allottee or Tribe Name

8. Unit or Communitization Agreement

9. Well Name and Number

LISBON C810-I

10. API Well Number

43-037-31697

11. Field and Pool, or Wildcat

LISBON/ISMAY

1. Type of Well

Oil Well Gas Well Other (specify)

2. Name of Operator

UNION OIL COMPANY OF CALIFORNIA

3. Address of Operator

3300 NORTH BUTLER, STE 200, FARMINGTON, NM 87401

4. Telephone Number

505-326-7600

5. Location of Well

Footage : 2260' FSL & 2180' FEL (NWSE)
QQ, Sec. T., R., M. : SEC. 10, T30S, R24E

County : SAN JUAN
State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Multiple Completion
- Other _____
- New Construction
- Pull or Alter Casing
- Recompletion
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Approximate Date Work Will Start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- Abandonment *
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Other WATER WELL INFORMATION
- New Construction
- Pull or Alter Casing
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The water to be used to drill the Lisbon C810-I will come from the Lisbon Field water well, Permit #19065.

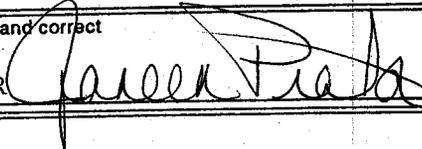
RECEIVED

DEC 16 1992

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature JANEEN PRATOR



Title DRILLING SECRETARY Date 12/14/92

(State Use Only)

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: UNOCAL 43-037-31697

WELL NAME: LISBON FEDERAL C810I

Section 10 Township 30S Range 24E County SAN JUAN

Drilling Contractor ARAPHOE

Rig # 11

SPUDDED: Date 12/18/92

Time 11:30 PM

How ROTARY

Drilling will commence _____

Reported by CARL GROVE

Telephone # 1-686-2237

Date 12/21/92 SIGNED CJK

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

U-014903

6. If Indian, Allottee or Tribe Name

7. If Unit or CA. Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

UNION OIL COMPANY OF CALIFORNIA

3. Address and Telephone No.

3300 NORTH BUTLER SUITE 200 FARMINGTON NM 87401 (505) 326-7600

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2260' FSL & 2180' FEL (NWSE) SEC. 10, T30S, R24E

8. Well Name and No.

LISBON C-810I

9. API Well No.

13-037-31697

10. Field and Pool, or Exploratory Area

LISBON/ISMAY

11. County or Parish, State

SAN JUAN, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

- Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other Drilling Summary
- Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

12/20-12/25 - Welded & tested wellhead to 1200 psi, NU BOP's. Tested BOP's, manifold, blind rams, & kelly valve to 3000 psi. (Jack Johnson of BLM on location for BOP test). Tested casing to 1500 psi. TIH w/ bit and BHA to 485'. Drilled from 530' to 2650'.

RECEIVED

DEC 30 1992

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed Janeen Prator Janeen Prator Title Drilling Secretary

Date 12/28/92

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D.

Division Director

355 West North Temple

3 Triad Center, Suite 350

Salt Lake City, Utah 84180-1203

801-538-5340

January 29, 1993

Union Oil Company of California
3300 North Butler, Suite 200
Farmington, New Mexico 87401

Gentlemen:

Re: Request for Completed Entity Action Form - C810I
NWSE Sec. 10, T. 30S, R. 24E - San Juan County, Utah

This is written to remind you that all well operators are responsible for sending an Entity Action Form to the Division of Oil, Gas and Mining within five working days of spudding a new well. This office was notified that your company spudded the C810I, API Number 43-037-31697, on December 18, 1992. At this time, we have not received an Entity Action Form for this well.

Please review the instructions on the back of the enclosed form. Make sure you choose the proper Action Code to show whether the well will be a single well with its own sales facilities (Code A), a well being added to an existing group of wells having the same tank battery and common division of royalty interest (Code B - show existing Entity Number to which well should be added), or a well being drilled in the participating area of a properly designated unit (Code B). Complete the form and return it to us by February 8, 1993.

Your attention to this matter is appreciated. If we can be of assistance to you, please feel free to call Lisha Cordova at the above number.

Sincerely,

Don Staley
Administrative Supervisor

lec

Enclosure

cc: R. J. Firth

File

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reenter a well. Use "APPLICATION FOR PERMIT—" for such proposals.

RECEIVED

SUBMIT IN TRIPLICATE FEB 08 1993

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 UNION OIL COMPANY OF CALIFORNIA

3. Address and Telephone No.
 3300 NORTH BUTLER, SUITE 200 FARMINGTON, NM 87401 (505) 326-7600

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 2260' FSL & 2180' FEL (NWSE) SEC 10, T30S, R24E

DIVISION OF
OIL GAS & MINING

5. Lease Designation and Serial No.
 U-014903

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
 LISBON C-810I

9. API Well No.
 43-037-31697

10. Field and Pool, or Exploratory Area
 LISBON / ISMAY

11. County or Parish, State
 SAN JUAN, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other <u>DRILLING SUMMARY</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

- 12/26,27,28 - Drilled from 2650'-3950'. Surveys @ 2775' - 4-3/4°, 3005' - 5-1/2°, 3290' - 6-1/4°, 3560' - 6-1/2°.
- 12/29/92 - Drilled to 4065'. Core #1 from 4065-4118'. Cut & recovered 53' of core. Survey @ 4024' - 6-1/4°.
- 12/30/92 - Reamed core hole from 4065'-4118'. Drld to 4200'. Core #2 from 4200-4243' Cut & recovered 43' of core.
- 12/31/92 - Reamed core hole from 4200-4243'. Drld to 4336'. Rig up Schlumberger. Ran BHC/DIL/GR & CNL/LDT/GR logs from 4337-530'.
- 1/01/93 - Ran 106 jts of 5-1/2", 15.5# K-55 LT&C csg to 4336'. Cmt'd with 20 bbls mud flush ahead of 498 sx 50-50-4 + 10% salt + 6.25# koalsed + 0.6% FL-25 mixed @ 12.6 ppg (1.74 yld) f/b 150 sx C1 "B" + 0.8% FL-62 + 0.2% CD-32 mixed @ 15.6 ppg (1.18 yld). Bumped plug w/ 1600# w/ water. Float held. Had circulation throughout job. ND BOP. Released rig.

14. I hereby certify that the foregoing is true and correct

Signed Janeen Prator Janeen Prator Title Drilling Secretary Date 1/5/92

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
 Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

RECEIVED

SUBMIT IN TRIPLICATE

FEB 08 1993

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

UNION OIL COMPANY OF CALIFORNIA

DIVISION OF
OIL GAS & MINING

3. Address and Telephone No

3300 NORTH BUTLER SUITE 200 FARMINGTON NM 87401 (505) 326-7600

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2260' FSL & 2180' FEL (NWSE) SEC. 10, T30S, R24E

5. Lease Designation and Serial No.

U-014903

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

LISBON C-810I

9. API Well No.

10. Field and Pool, or Exploratory Area

LISBON/ISMAY

11. County or Parish, State

SAN JUAN, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other <u>Drilling Summary</u>	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

12/20-12/25 - Welded & tested wellhead to 1200 psi, NU BOP's. Tested BOP's, manifold, blind rams, & kelly valve to 3000 psi. (Jack Johnson of BLM on location for BOP test). Tested casing to 1500 psi. TIH w/ bit and BHA to 485'. Drilled from 530' to 2650'.

14. I hereby certify that the foregoing is true and correct

Signed Janeen Prator Janeen Prator Title Drilling Secretary

Date 12/28/92

(This space for Federal or State office use)

Approved by _____ Title _____
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a well (open reservoir).
Use "APPLICATION FOR PERMIT—" for such proposals

RECEIVED

SUBMIT IN TRIPLICATE FEB 08 1993

5. Lease Designation and Serial No.

U-014903

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

LISBON C810-I

9. API Well No.

43-037-31697

10. Field and Pool, or Exploratory Area

LISBON / ISMAY

11. County or Parish, State

SAN JUAN, UTAH

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

UNION OIL COMPANY OF CALIFORNIA

3. Address and Telephone No.

3300 N. BUTLER, SUITE 200, FARMINGTON, NM 87401 (505) 326-7600

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2260' FSL & 2180' FEL (NWSE)

SEC. 10, T30S, R24E

DIVISION OF
LAND MANAGEMENT

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

- Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other COMPLETION WORK
 Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

- 1/7/93 MIRU BIG A WELL SERVICE. Installed tbg head. N/U & test BOP's. TIH w/ 4-3/4" bit and seat nipple on 2-7/8" 6.5# J-55 tbg to 4279'.
- 1/8/93 RU wireline truck, run CBL/CCI/GR log from 4282'-1300'. Had sufficient bonding w/ TOC @ 1540'. Pref'ed from 4210'-4242' w/ 4" csg gun, 4 spf (23 gram).
- 1/9/93 Acidized @ 1.8 BPM w/ 1600 to 1800 psi.
- 1/10/93 Acidized as follows: 1067 gals 15% MSR 100 + 2000 gals YF x-link gel + 3200 gals 15% LCA acid + 400 gals WF 130 2 ppg J 221 (Benzoic flakes) + 2000 gals YF 130 PAD + 3200 gals 15% LCA + 1067 gals 15% MSR 100 + 1000 gals WF 130 flush.
- 1/11-12 Flow, swab lower perms and evaluate.
- 1/13/93 Mixed 100 sx "B" + 0.5% Halad 322 @ 15.6 ppg (1.18 yld). Sqzd 90 sx below retainer and left 10' cmt above retainer.
- 1/14/93 Perf Upper Ismay from 4068'-4113', 4 spf, 23 gram w/ csg gun.

14. I hereby certify that the foregoing is true and correct

Signed Janeen Prator JANEEN PRATOR Title DRILLING CLERK

Date 1/21/93

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.
U-014903

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
LISBON C810-I

9. API Well No.
43-037-31697

10. Field and Pool, or Exploratory Area
LISBON / ISMAY

11. County or Parish, State
SAN JUAN, UTAH

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or to change the reservoir to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

RECEIVED

FEB 08 1993

SUBMIT IN TRIPLICATE

DIVISION OF
OIL, GAS & MINING

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
UNION OIL COMPANY OF CALIFORNIA

3. Address and Telephone No.
3300 N. BUTLER, SUITE 200, FARMINGTON, NM 87401 (505)326-7600

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2260' FSL & 2180' FEL (NWSE)
SEC. 10, T30S, R24E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>COMPLETION WORK</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

- 1/15/93 R/U pump equipment. Dropped standing valve and fluid control valve. Pumped 23 bbls of 15% MSR100 acid down tbg. Broke Upper Ismay perfs in 4' intervals using PPI PKR w/ 50 gals acid per foot.
- 1/16/93 TIH w/ 5-1/2" RTTS on 2-7/8" tbg. Set RTTS @ 4020'.
- 1/17/93 R/U pump equipment. Tested lines to 5000 psl. Acidized as follows: 1500 gals 15% MSR 100, 3000 gals YF 130 x-linked gel, 4500 gals 15% LCA, 250 gals WF 130 w/2 ppg J-221 (Benzico Flakes), 1500 gals 15% MSR 100, 3000 gals YF 130 pad, 4500 gals 15% LCA, 1500 gals 15% MSA 100 & 1200 gals WF 130 flush rate.
- 1/18-1/21 Swabbed. Shut well in for 72 hour build up.
- 1/27/93 Swabbed. Released pkr. POOH. TIH w/ seat nipple on 2-7/8" tbg to 4135'.
- 1/28-1/29 Swabbed.
- 2/2/93 R/U frac equipment. Frac'd Ismay zone w/ 35,200 gals of YF 130 frac fluid containing 50,200# of 20/40 sand. R/D frac equipment.
- 2/4-2/5 Swabbed.

14. I hereby certify that the foregoing is true and correct

Signed [Signature] Title DRILLING CLERK Date 2/5/93

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any: _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

OPERATOR UNION OIL COMPANY OF CALIFORNIA

OPERATOR ACCT. NO. N 1030

ADDRESS 3300 N. BUTLER, SUITE 200
FARMINGTON, NM 87401

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11464	43-037-31697	LISBON UNIT C810-I	NWSE	10	30S	24E	SAN JUAN	12/18/92	
WELL 1 COMMENTS: SPUD WELL 12/18/92, COMPLETING WELL NOW Entity added 2-11-93. <i>See</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

- ACTION CODES** (See instructions on back of form)
- A - Establish new entity for new well (single well only)
 - B - Add new well to existing entity (group or unit well)
 - C - Re-assign well from one existing entity to another existing entity
 - D - Re-assign well from one existing entity to a new entity
 - E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED

FEB 08 1993

DIVISION OF
OIL GAS & MINING

[Signature]

Signature
DRILLING CLERK 2/5/93
Title Date

Phone No. 505) 326-7600

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number

U-014903

7. Indian Allottee or Tribe Name

8. Unit or Communitization Agreement

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT— for such proposals

1. Type of Well

Oil Well Gas Well Other (specify)

9. Well Name and Number

LISBON UNIT C810-I

2. Name of Operator

UNION OIL COMPANY OF CALIFORNIA

10. API Well Number

43-037-31697

3. Address of Operator

3300 N. BUTLER, SUITE 200, FARMINGTON NM 87401

4. Telephone Number

505-326-7600

11. Field and Pool, or Wildcat

LISBON/ISMAY

5. Location of Well

Footage : 2260' FSL & 2180' FEL
QQ, Sec. T., R., M. : NWSE SEC. 10, T30S, R24E

County : SAN JUAN
State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- Abandonment New Construction
 Casing Repair Pull or Alter Casing
 Change of Plans Recompletion
 Conversion to Injection Shoot or Acidize
 Fracture Treat Vent or Flare
 Multiple Completion Water Shut-Off
 Other _____

Approximate Date Work Will Start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- Abandonment * New Construction
 Casing Repair Pull or Alter Casing
 Change of Plans Shoot or Acidize
 Conversion to Injection Vent or Flare
 Fracture Treat Water Shut-Off
 Other _____

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

After testing Lower Ismay Perfs 4210-4242'

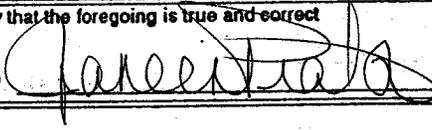
Set 5-1/2" cement retainer @ 4180'. (Lower Ismay perfs 4210-4242') Est. injection rate 2 BPM - 825 psi. Squeezed lower Ismay perfs w/ 100 sxs Class "B" cement (yield 1.18 cu. ft., wt. 15.6 ppg) @ 2 BPM - 700 psi to 1900 psi stung out and spotted 10' cmt on top of retainer (NOTE: received verbal approval from BLM - Moab). Lower Ismay P & A'ed 1/13/93.

After testing Upper Ismay Perfs 4068-4113'

Set 5-1/2" cement retainer @ 4000'. Est. injection rate of 750 psi @ 2.5 BPM. Squeezed Upper Ismay perfs 4068-4113' w/ 100 sx Class "B" cement (yield 1.18 cu. ft., wt. 15.8 ppg) @ 2 BPM 150 psi - 2450 psi. Stung out. Spotted 20 sx Class "B" cement (approx 225') on top of retainer from 4000-±3880'. TOOH. Perforated 5-1/2" casing from 580-581' w/ 4 jsfp. (8-5/8" surface casing shoe @ 530'.) Cemented 8-5/8" x 5-1/2" annulus and cemented 5-1/2" casing from 581' to ± 400' w/ 100 sx Class "B" cement. P.U. to 60'. Filled 5-1/2" casing from 60' to surface w/ Class "B" cement (surface plug). Cut off casing 3' below G.L. Installed dry hole marker. Placed netting over pit area. Will let pit dry (contains water) before starting clean up. Well P & A'ed 2/11/93. Plugging was witnessed by Jack Johnson of BLM, Moab, Utah.

14. I hereby certify that the foregoing is true and correct

Name & Signature



JANEEN PRATOR

Title

DRILLING CLERK

Date

2/16/93

(State Use Only)

RECEIVED

FEB 19 1993

DIVISION OF
OIL GAS & MINING

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NO.
U-014903

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

6. INDIAN, ALLOTTEE OR TRIBE NAME

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

7. UNIT AGREEMENT NAME

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

8. FARM OR LEASE NAME

2. NAME OF OPERATOR
Union Oil Company of California

9. WELL NO.

3. ADDRESS OF OPERATOR

10. FIELD AND POOL, OR WILDCAT

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface **2260' PSL & 2180' PEL (NW SE)**
At top prod. interval reported below
At total depth

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA
Section 10, T30S, R24E

14. API NO. DATE ISSUED 12. COUNTY 13. STATE

15. DATE SPUNDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF. BEB. RT. GR. ETC.) 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 21. PLUG BACK T.D. MD & TVD 22. IF MULTIPLE COMPL. HOW MANY 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) 25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN
BHC/DAL/GR; CNL/LDT/GR; CBLCCT/GR

27. WAS WELL CORED YES NO (Submit analysis)
DRILL STEM TEST YES NO (See reverse side)

**4065' - 4118' (53')
4700' - 4743' (43')**

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
5 1/2"	15.5*	4336	7-7/8"	498 SPS.	None
8 5/8"		530'			

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

**4210' - 4242' (squeeze)
4068' - 4113' (squeeze)**

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO

FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BSL. GAS—MCF. WATER—BSL. OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED _____ TITLE _____ DATE _____

See Spaces for Additional Data on Reverse Side

INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

37. SUMMARY OF POROUS ZONES: Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.	38. GEOLOGIC MARKERS		
Top	Bottom	Name	Top Meas. Depth True Vert. Depth