

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
 P. O. Box 2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements*)
 At surface 2204' FSL & 1922' FEL (NW SE)

At proposed prod. zone 2200' FSL & 1900' FEL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 38 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)
 709'

16. NO. OF ACRES IN LEASE
 320

17. NO. OF ACRES ASSIGNED TO THIS WELL
 (Unit)

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 968'

19. PROPOSED DEPTH
 8600'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6156' 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 Top
17-1/2"	13-3/8"	48#	50'	10 sx	Surface
12-1/4"	9-5/8"	36#	1000'	+600 sx	Surface
8-3/4"	5-1/2"	17# & 20#	8600'	+1300 sx	3,900'

PROPOSED DRILLING PROGRAM:

Drill 17-1/2" hole with rat-hole machine to 50'. Set and cement 13-3/8" conductor. Move in rotary rig. Drill 12-1/4" hole to 1000'. Run and cement 9-5/8" casing. Drill 8-3/4" hole to approximate T.D. of 8600'. Run logs and, 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. B-73310

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 R. G. Ladd, Jr. TITLE District Drilling Supt. DATE 9-11-84

(This space for Federal or State office use)

PERMIT NO. _____

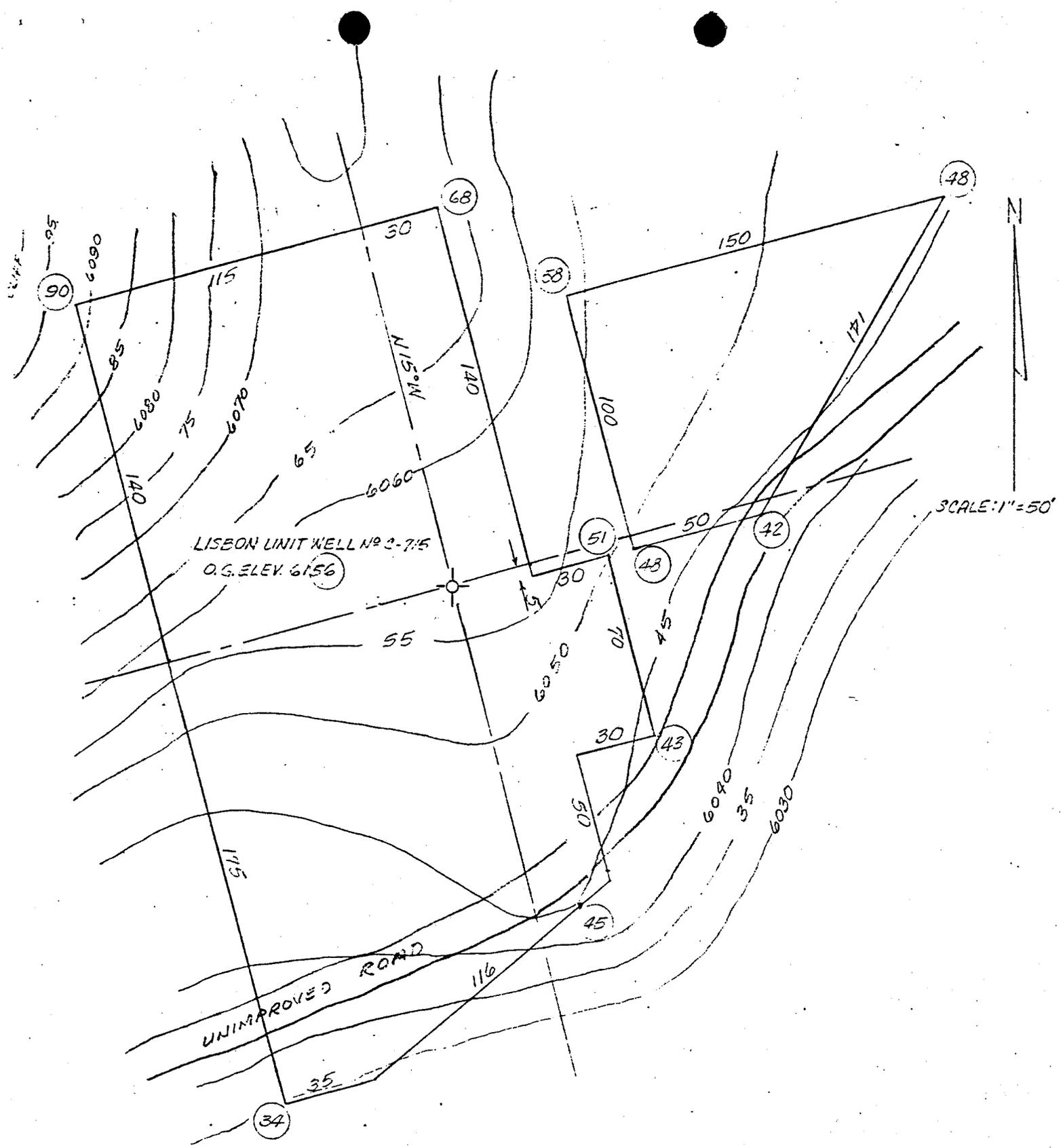
APPROVAL DATE

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

APPROVED BY _____ TITLE _____

DATE: 9/11/84
BY: John R. Dyer

*See Instructions On Reverse Side



TOPO. AT WELL SITE & PAD LAYOUT
 IN SE 1/4, SEC. 15, T30S, R24E, S.L.B. # M.
 SAN JUAN COUNTY, UTAH
 SEPT. 6, 1984

J.E. KEOGH
 UTAH R.L.S. No 1963

UNION OIL COMPANY OF CALIFORNIA

Lisbon Unit Well No. C-715

Surface: 2204' FSL & 1922' FEL, Sec. 15, T.30S., R.24E.
Prod. Zone: 2200' FSL & 1900' FEL, Sec. 15, T.30S., R.24E.
San Juan County, Utah

EIGHT POINT PLAN

1. SURFACE FORMATION: Wingate

ESTIMATED TOPS OF GEOLOGICAL MARKERS:

Ground Elevation: 6,156' G.L.

<u>Formation</u>	<u>Depth Below G.L.</u>
Hermosa Group	2,662'
Paradox	3,957'
Paradox Salt	4,347'
Base of Salt	7,968'
Redwall	8,095'
Total Depth	8,600'

2. ESTIMATED DEPTH AT WHICH OIL, GAS, WATER OR OTHER MINERAL-BEARING ZONES ARE EXPECTED TO BE ENCOUNTERED:

<u>Formation</u>	<u>Depth</u>
<u>Expected Oil Zones:</u>	
Hermosa Group	2,662'
Redwall	8,095'

Expected Gas Zones:
None

Expected Water Zones:
May encounter water flows from surface to 3957'.

Expected Mineral Zones:
Paradox 3,957'
(Potash)

3. PRESSURE CONTROL BOP'S: (See Attachment Nos. 1, 2, and 3)

Wellhead:

Casing Head: 9-5/8" X 10" - 3000 psi W.P.

BOP Stack:

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

3. PRESSURE CONTROL BOP'S: Continued

BOP Stack: Continued

One choke manifold with adjustable and positive chokes.

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

Test:

BOP's, 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 Daily Drilling Report.

4. CASING PROGRAM:

Conductor - 13-3/8" @ 50'

(Mud Wt. 9.6 ppg)

<u>Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Thread</u>	<u>New/Used</u>
0-50'	13-3/8"	48#	H-40	Welded	New

Surface Casing - 9-5/8" @ 1000'

(Mud Wt. 9.6 ppg)

<u>Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Thread</u>	<u>New/Used</u>
0-1000'	9-5/8"	36#	K-55	ST&C	New

Production Casing - 5-1/2" @ 8600'

(Mud Wt. 10.3 ppg)

<u>Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Thread</u>	<u>New/Used</u>
0-8600'	5-1/2"	17#	L-80	LT&C	New
		20#	CYS-95	LT&C	

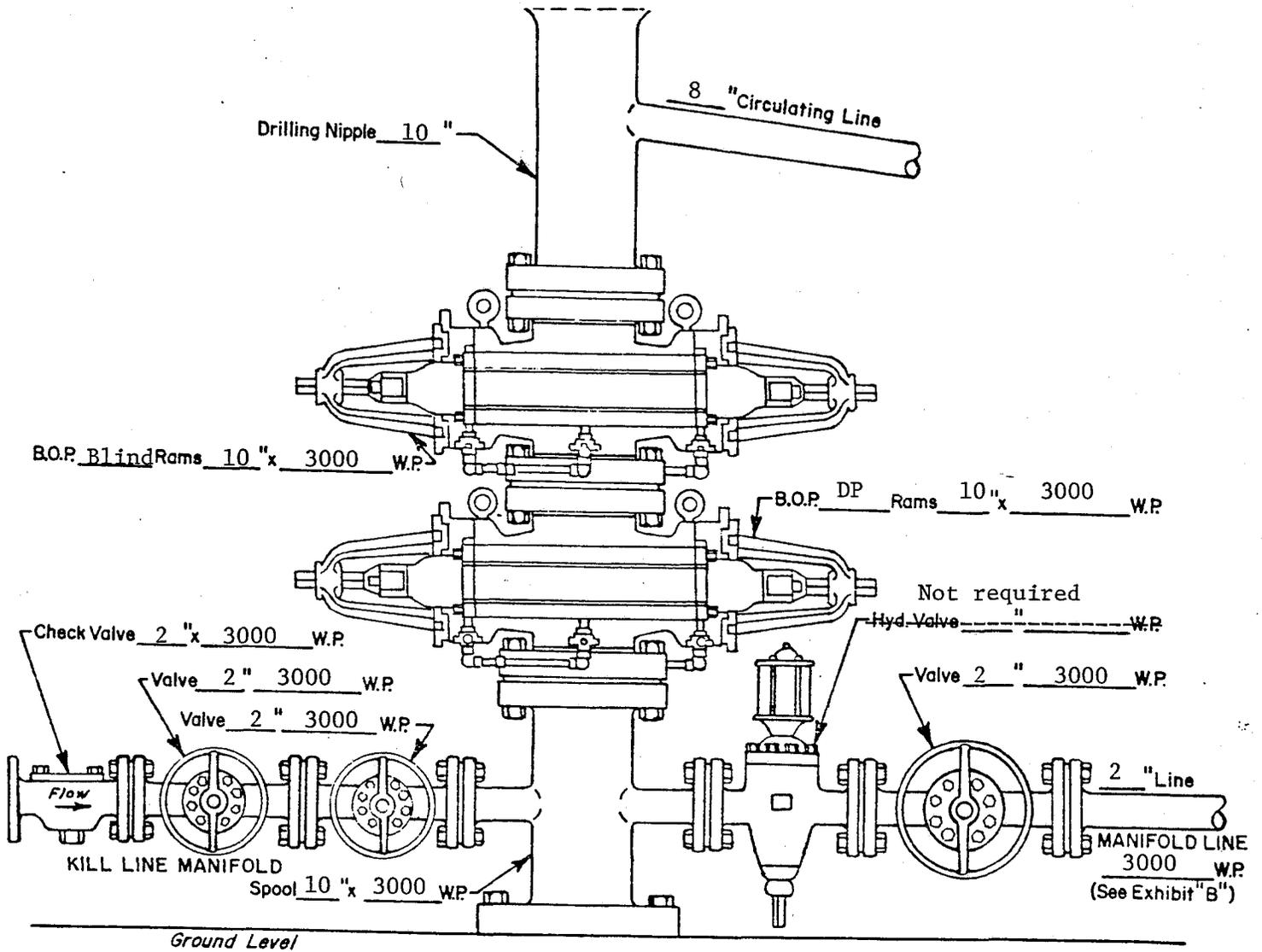
Note: Cement top for production casing will cover the potash zone in the Paradox formation (estimated cement top 3,900').

5. DRILLING FLUID:

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Vis</u>	<u>F.L.</u>
0-1000'	Gel/Lime	9.2-9.6	30-40	N.C.
1000-3900'	Fresh Mud	9.2-9.8	35-40	<12
3900-T.D.	Salt Mud	10.0-10.5	40-45	8-10

Sufficient materials to maintain mud requirements and to meet minor lost circulation and threatened blowout conditions shall be stored at the location.

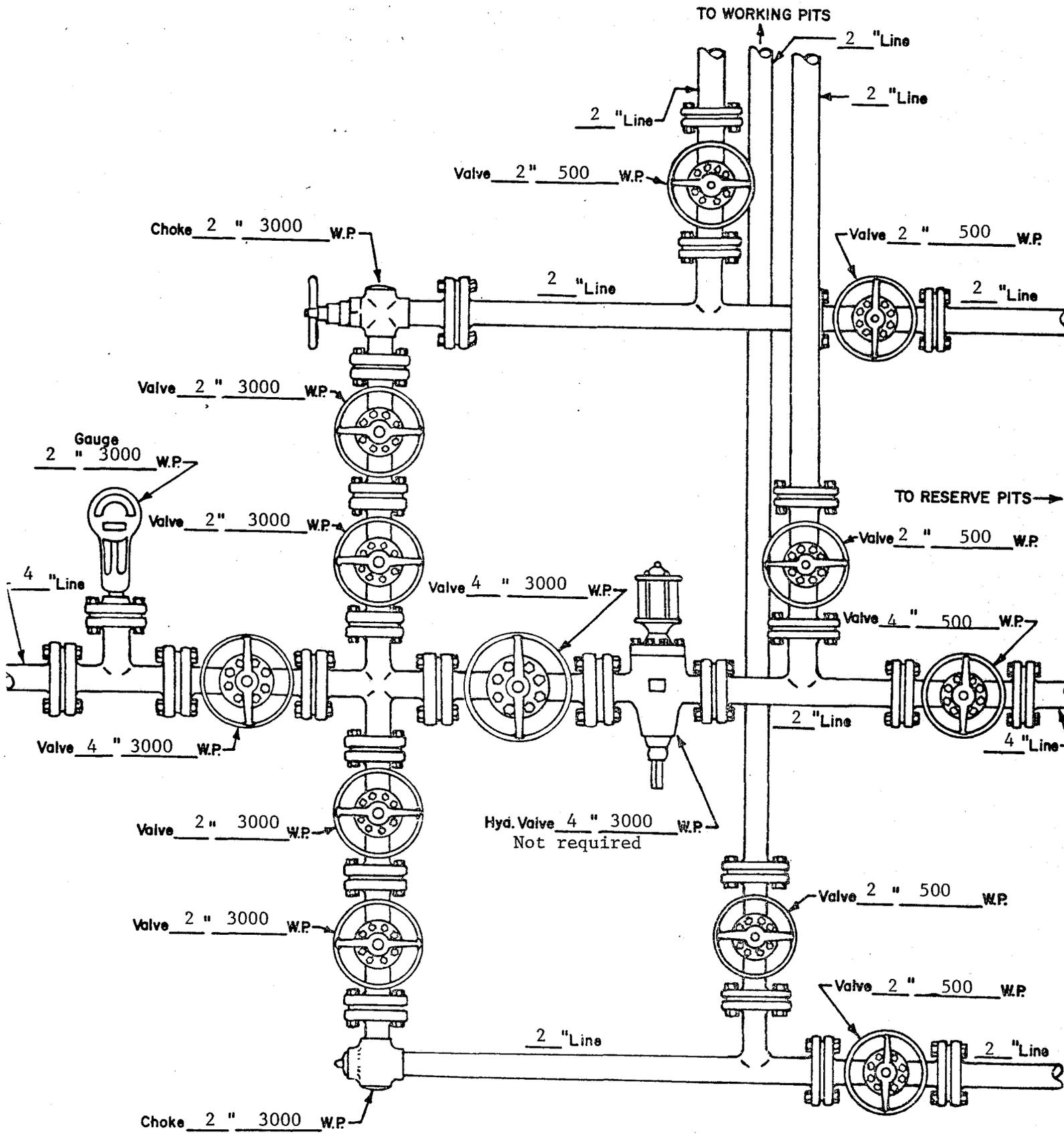
Lisbon Unit Well No. C-715
San Juan County, Utah



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

- Manuel
- Hydraulic

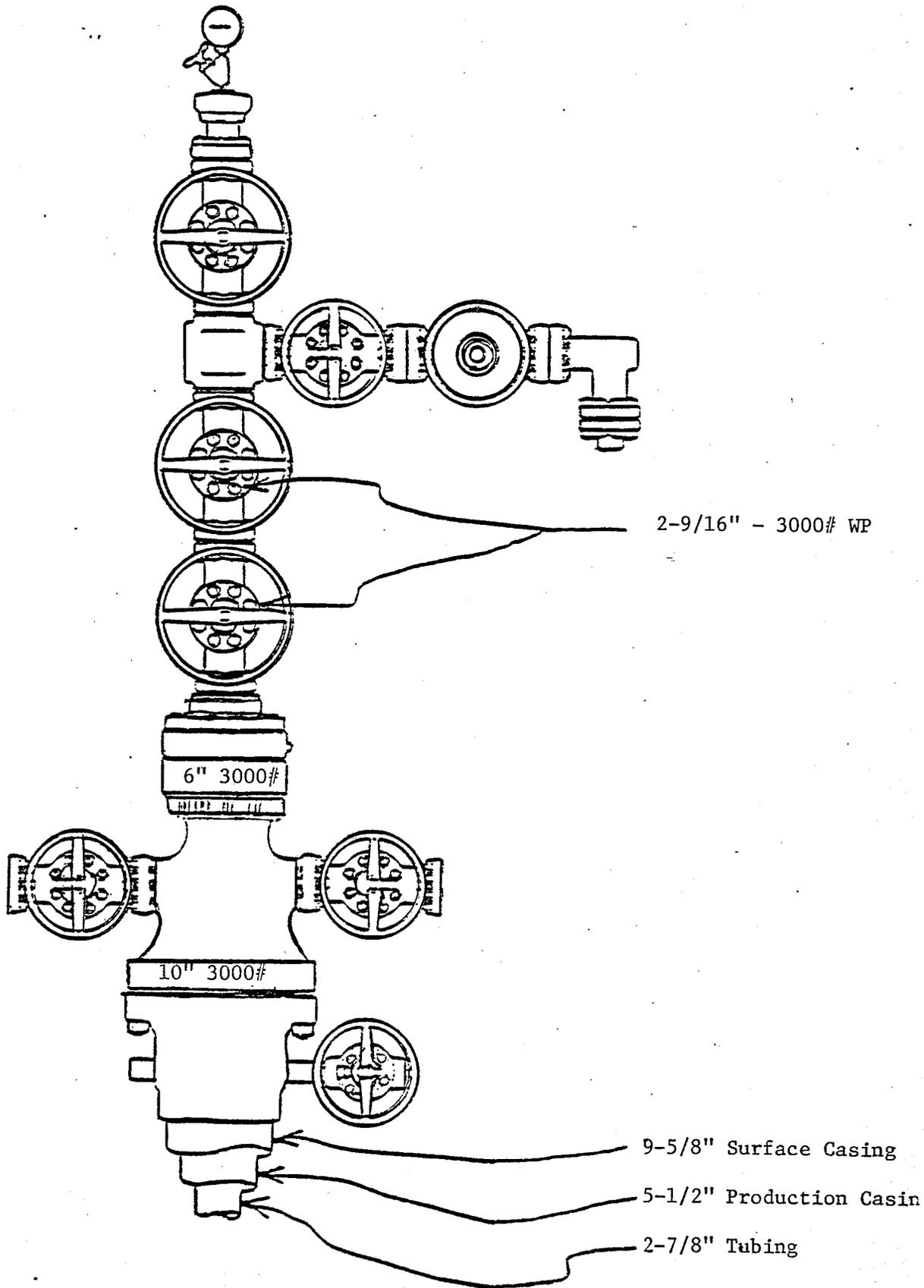
Lisbon Unit Well No. C-715
 San Juan County, Utah



MANIFOLD
 3000 #W.P.

- Manuel
- Hydraulic

Lisbon Unit Well No. C-715
San Juan County, Utah



UNION OIL COMPANY OF CALIFORNIA

Lisbon Unit Well No. C-715
San Juan County, Utah

B. THIRTEEN-POINT SURFACE USE PLAN

1. Existing Roads:

- a. The proposed well is approximately 38 miles south and west 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. Turn right and proceed 2 miles on a blacktop road to the Lisbon Plant. Drive through the plant and pipe yard. Turn left at the last pipe yard and proceed 1-1/4 miles on a dirt lease road to the location.
- c. No new access roads will be required.
- d. Not applicable.
- e. Existing roads are shown on Attachment No. 4.
- f. The existing county road will be maintained at a standard equal to or better than the conditions of the roads prior to the start of operations, weather conditions permitting. At the conclusion of drilling and completion operations, the roads will be repaired and restored to a standard equal to or better than the conditions at the start of operations.
- g. An encroachment permit will be applied for with the San Juan County Road Department.

2. Planned Access Roads:

No new access roads will be required.

3. Location of Existing Wells:

Attachment No. 5 shows producing wells, water wells and abandoned wells within one mile of Lisbon Unit Well No. C-715.

- | | |
|-------------------------------------|--------------------------------------|
| (1) Water Wells - 0 | (6) Producing Wells - 3 |
| (2) Abandoned Wells - 1 | (7) Shut-In Wells - 6 |
| (3) Temporarily Abandoned Wells - 0 | (8) Injection Wells - 2 |
| (4) Disposal Wells - 0 | (9) Monitoring Wells - 0 |
| (5) Drilling Wells - 1 | (10) Wells Waiting on Completion - 1 |

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

- a. (1) Tank Batteries: 1
(2) Production Facilities: 1
(3) Oil Gathering Lines: 10 Steel Flow Lines
(4) Gas Gathering Lines: 0 Steel Flow Lines
(5) Injection Lines: 6 Steel Gas Lines
(6) Disposal Lines: 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 150' x 125'. (See Attachment No. 7)
(3) No outside construction materials should be necessary.
(4) All equipment will either be fenced or have metal guards in place. No open pit will be required.
(5) An existing flow line which runs through the location will be used if the well is productive. No tank batteries will be required.
(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 per BLM specifications.

5. Location and Type of Water Supply:

- a. The well will be drilled with produced water from the Lisbon Unit and salt brine water from Moab Brine Company.
- b. The water will be hauled by truck to the location along the existing road.

6. Source of Construction Materials:

- a. The proposed location will utilize soil material which is on location. No construction materials will be needed.
- b. The proposed location is on federal land with federal minerals. No Indian land is involved.

6. Source of Construction Materials - Continued:

- c. 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.
- d. See Attachment Nos. 4 & 9.

7. Methods for Handling Waste Disposal:

- a. The reserve pit will not 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.
- c. In the event of a producing well, produced water will be disposed of in accordance with NTL-2B.
- d. 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 land fill or incinerated off site.
- e. If burning is required, a burning permit will be obtained from the State Fire Warden, John Baker (Telephone No. 801-587-2705).
- f. 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. 8(a), 8(b), and 8(c)).

- a. Maximum cut will be 34'. Maximum fill will be 22'. 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 and one safety trailer.
- c. See Attachment No. 9.
- d. The pits will not be lined.

10. Plans for Restoration of Surface:

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. All waste material will be buried in the burn pit and 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 so maintained until clean-up.

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 spring of the year.

11. Surface Ownership:

The land is federally owned.

12. Other Information:

a. Topography, soil characteristics, geologic features, flora & fauna:

The terrain surrounding the location is a semi-arid, desert-type country. 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:

There are no other surface use activities.

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

There are no reservoirs or flowing streams in the immediate area of this lease. There is a dry stream bed to the southeast of the location. There are no occupied dwellings in the immediate area.

An archeological study has been made and is forthcoming.

13. Operator's Field Representative and Certification:

a. Field Representative:

Mr. R. G. Ladd, Jr.
Union Oil Company of California
P. O. Box 2620
Casper, WY 82602-2620

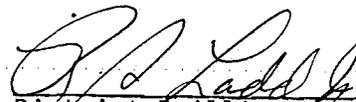
Phone - (307) 234-1563

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 currently exist; that the statements made in this plan are, to the best of my 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 it is approved.

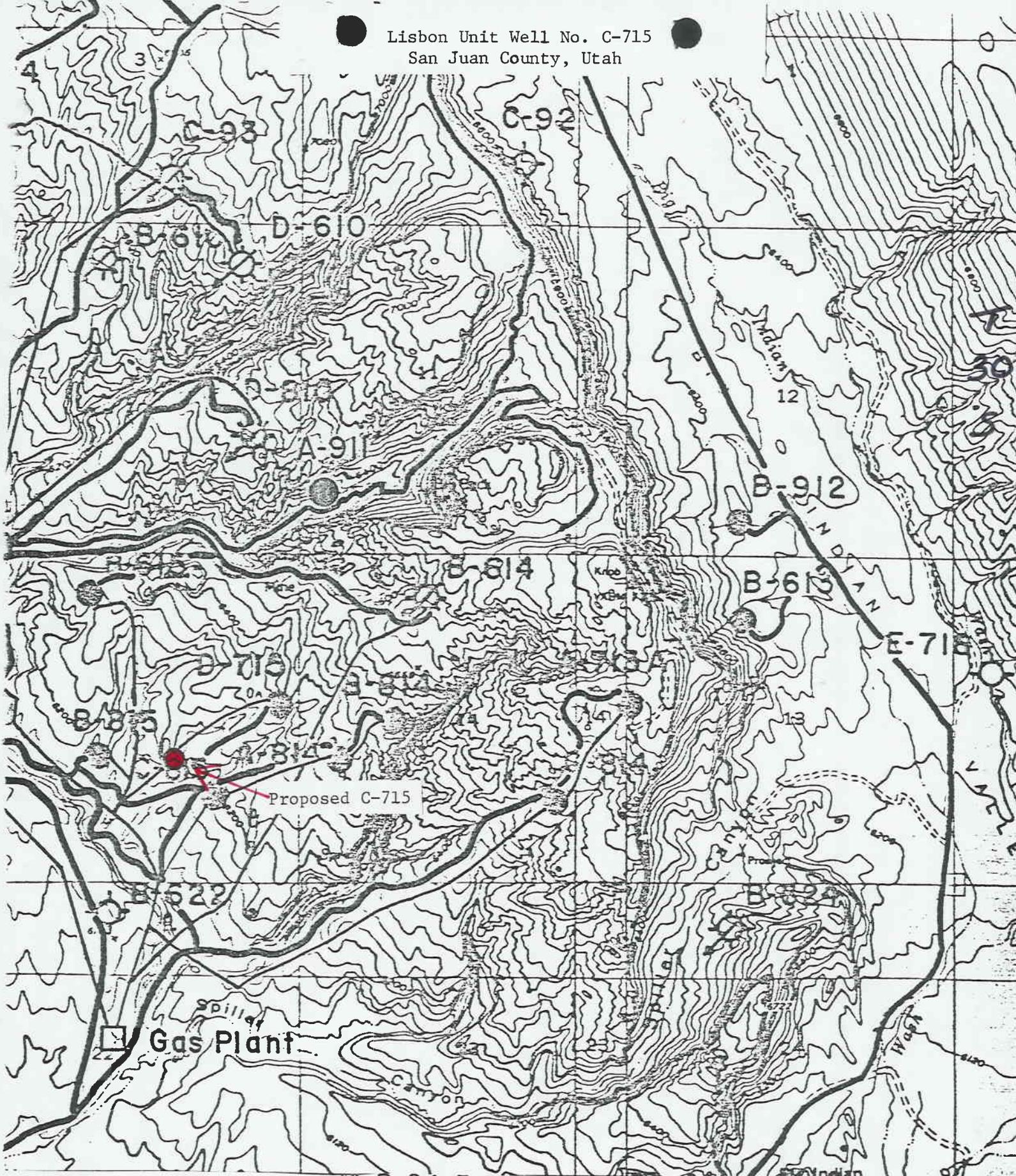
9-11-84

Date



District Drilling Superintendent

Lisbon Unit Well No. C-715
San Juan County, Utah



— Roads
— Flowlines

NOTE: ALL WELLS ARE SURFACE LOCATIONS

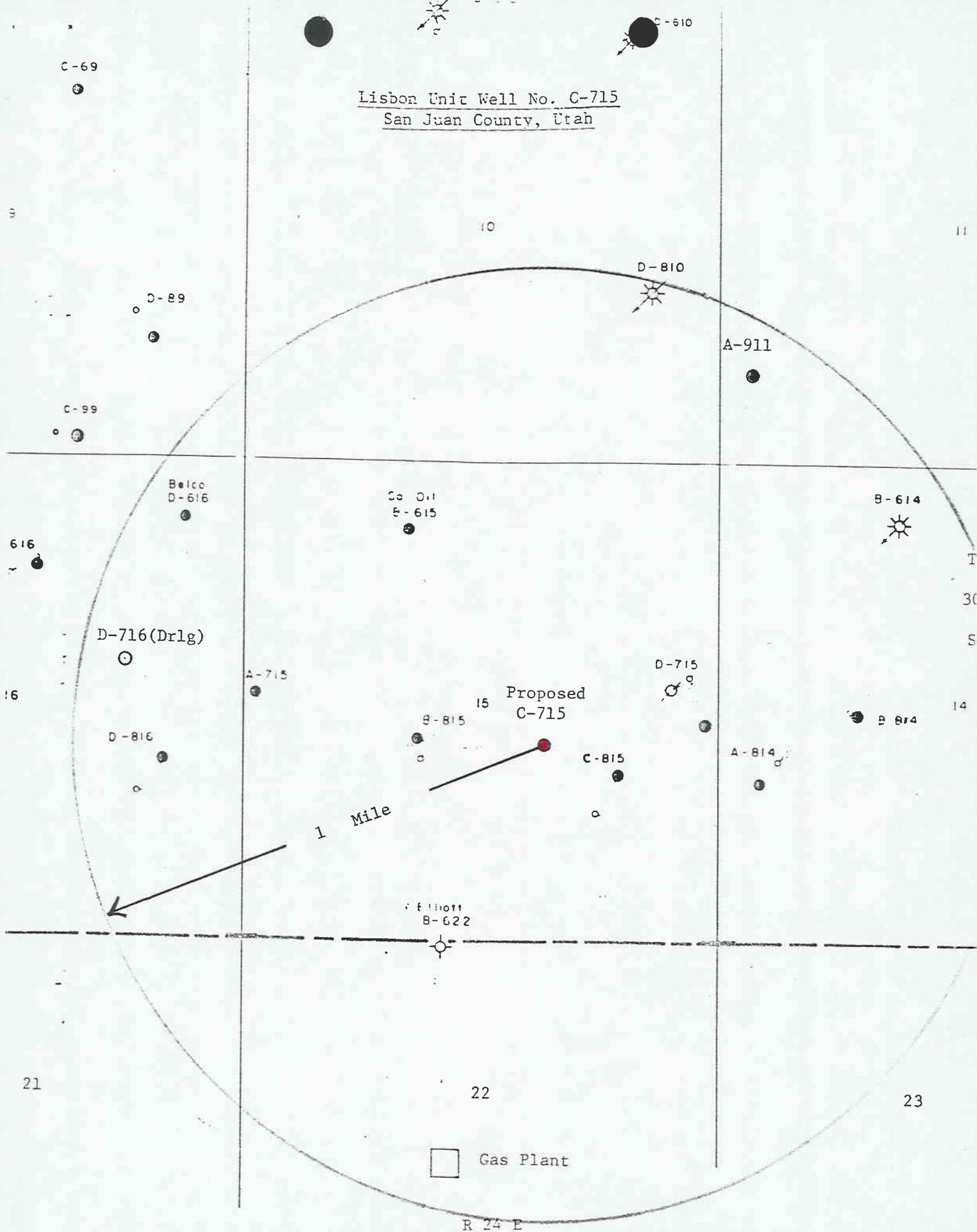
MT PEALE 3 NE UTAH
N38°15' W109°15' 15
LISBON UNIT FIELD

ATTACHMENT 4.

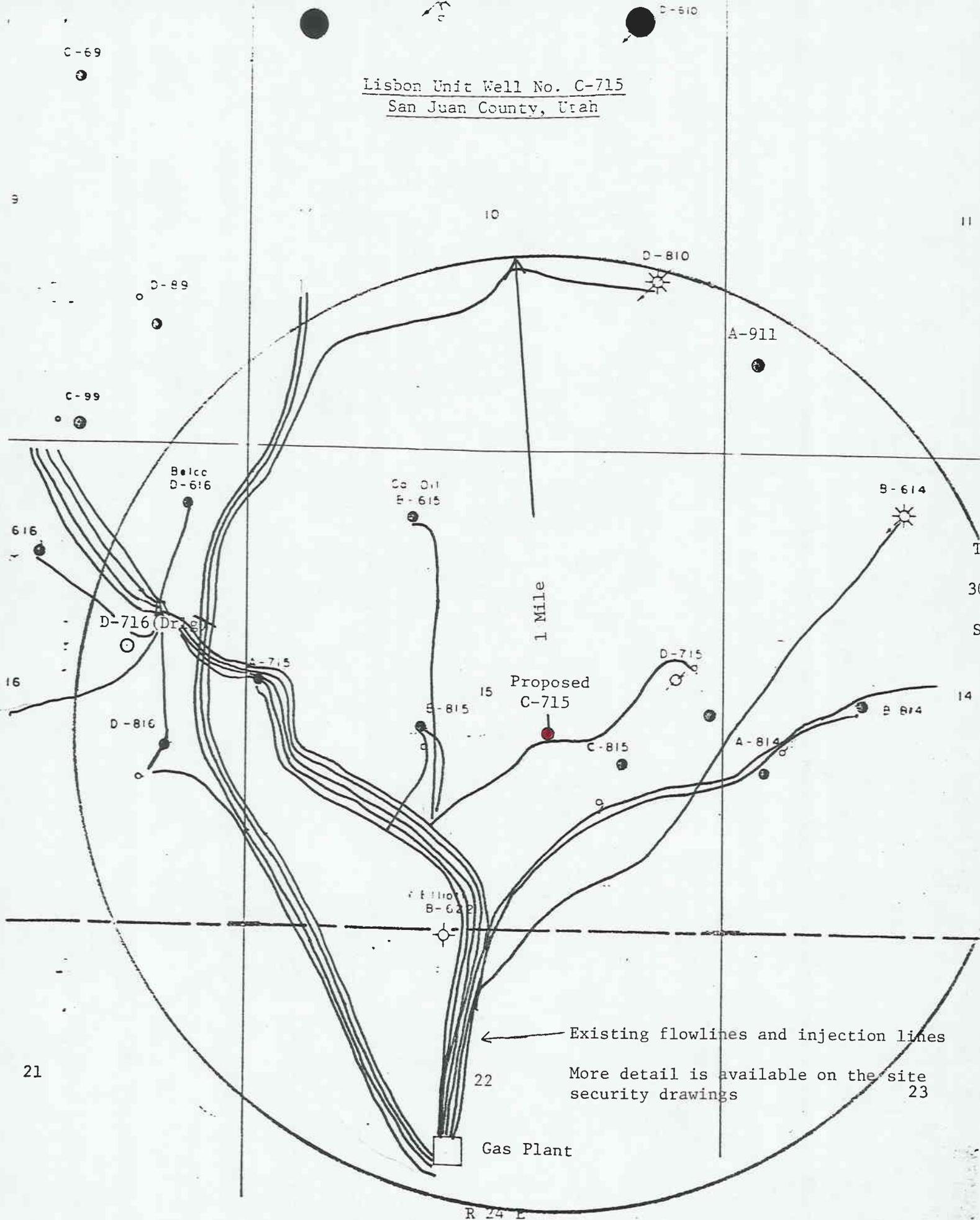
ROAD CLASSIFICATION
Improved — Unimproved
Mapped by the Geological Survey 1954
Topography by multiple methods from
aerial photographs taken 1953

19
APPROXIMATE LOCATION
DECLINATED IN 1958

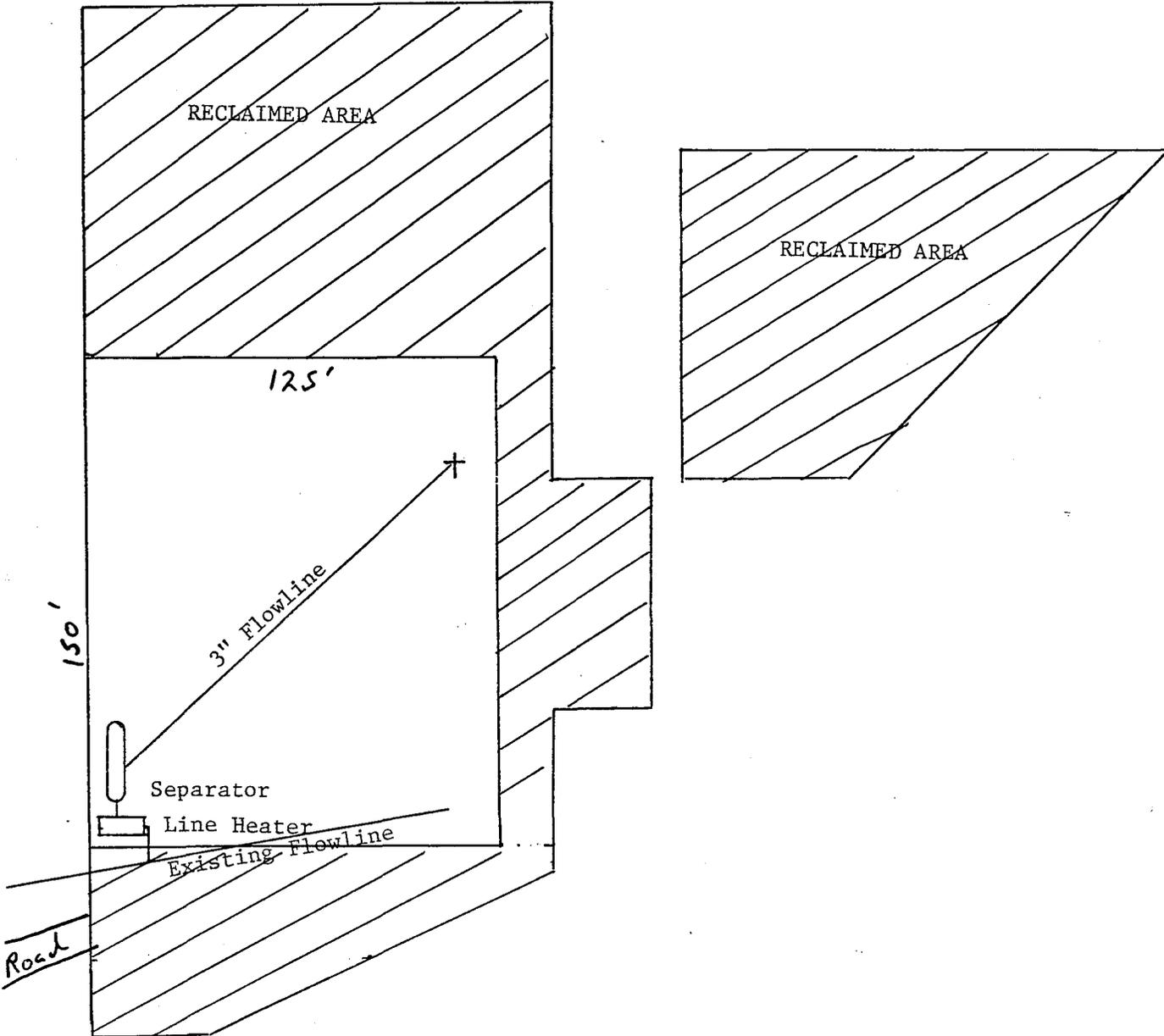
Lisbon Unit Well No. C-715
San Juan County, Utah



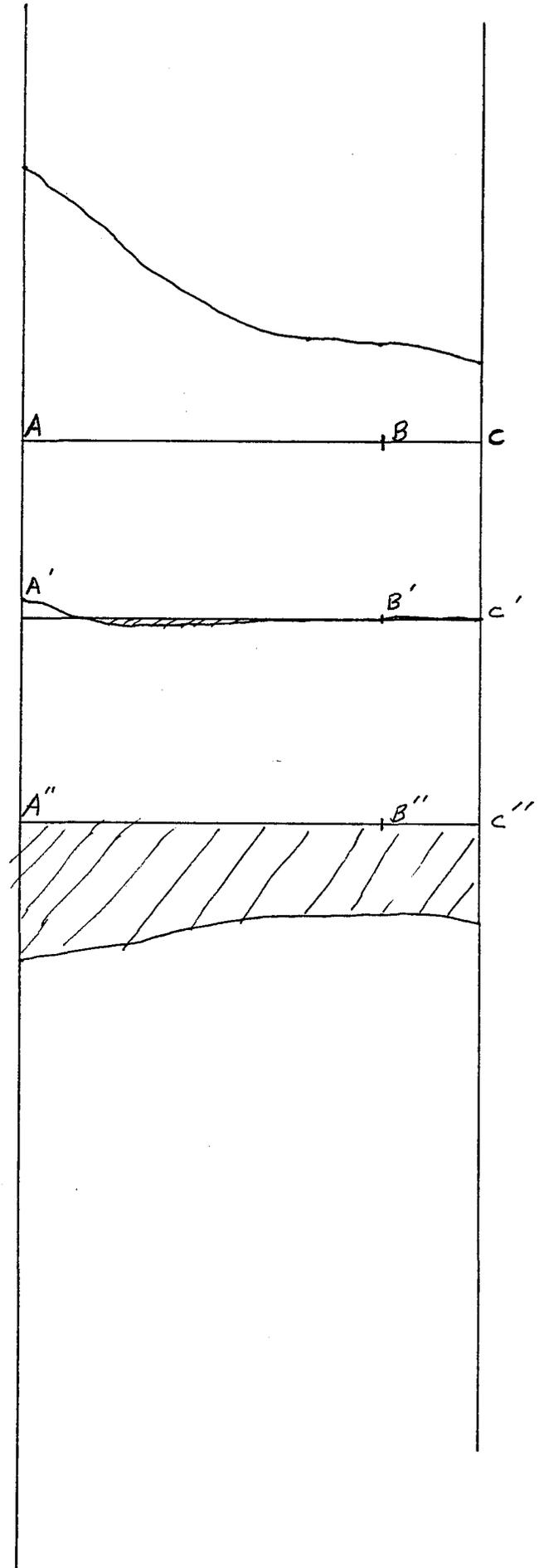
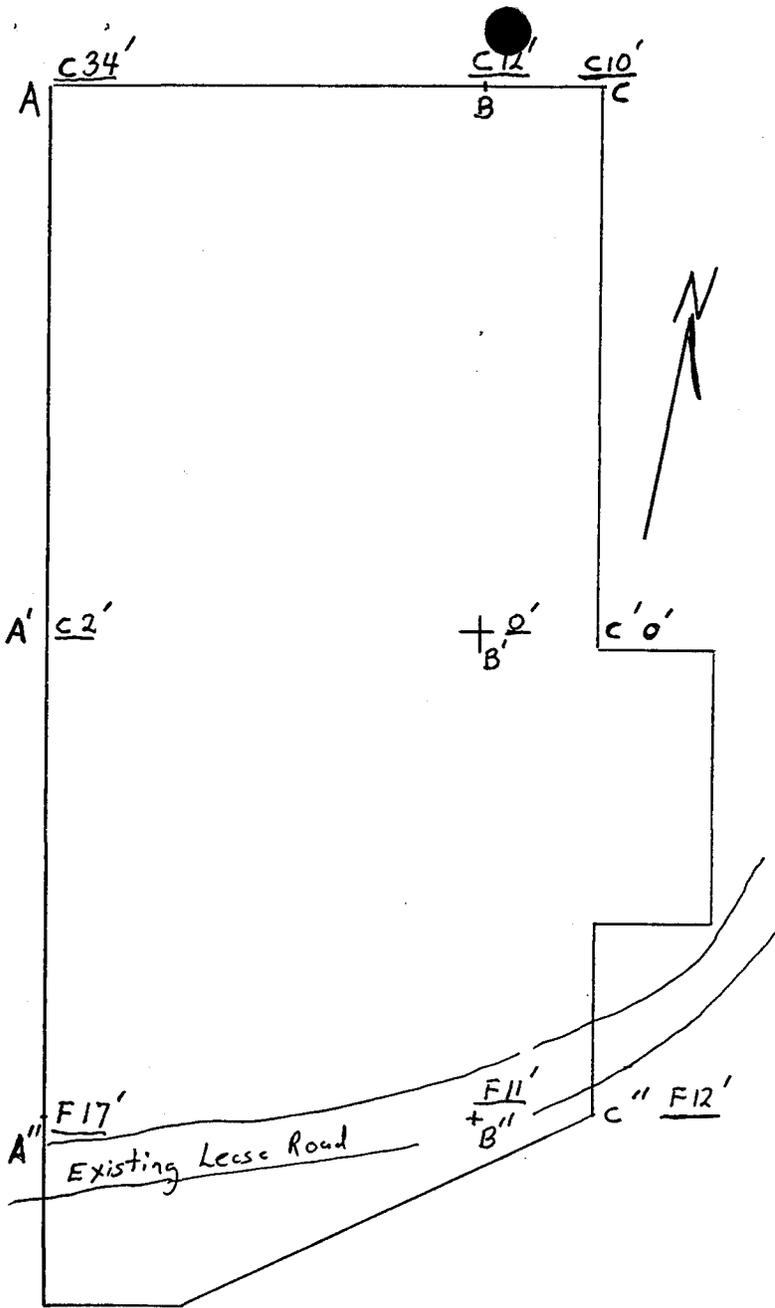
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San Juan County, Utah



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San Juan County, Utah

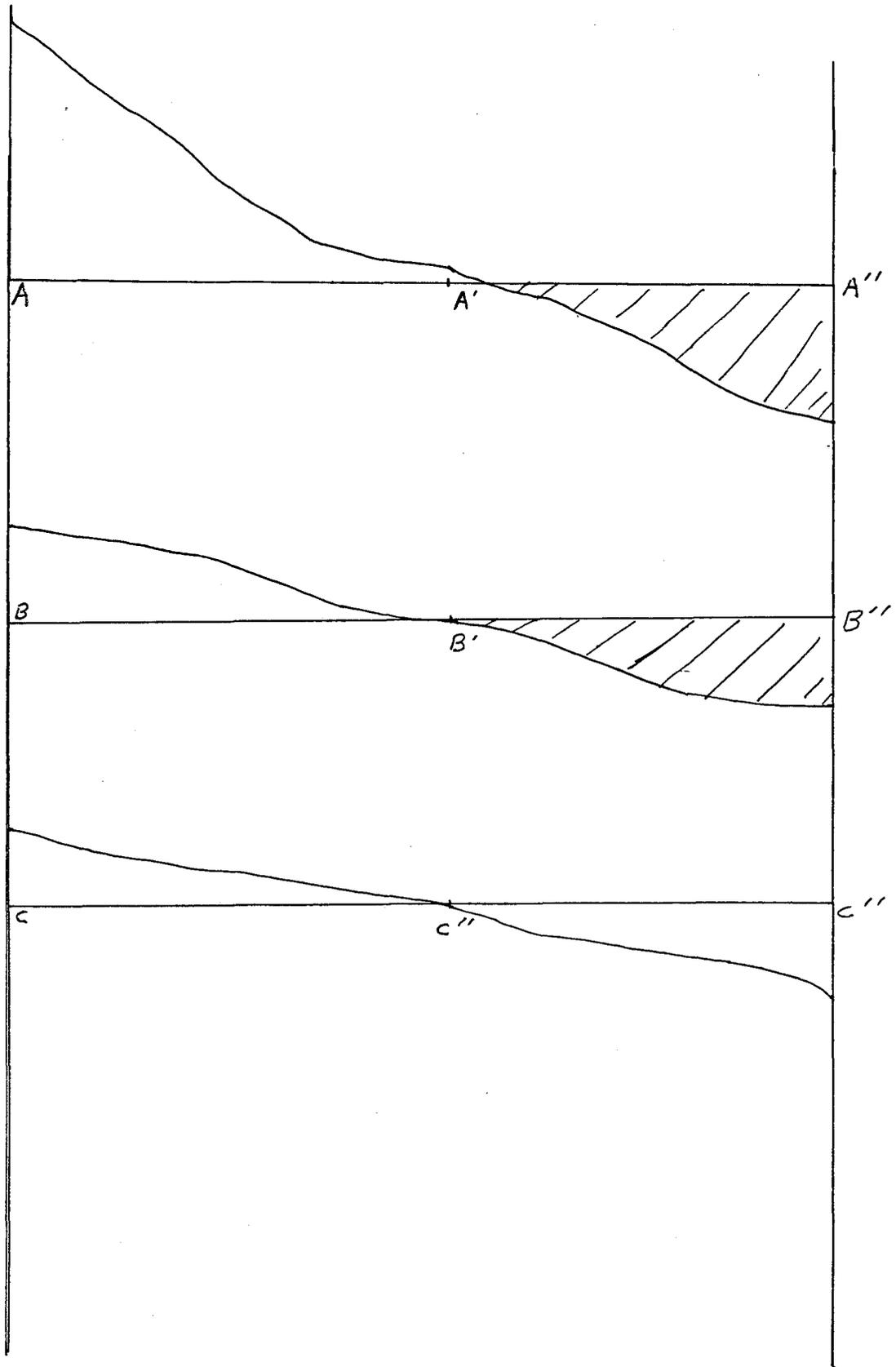


Horizontal Scale: 1" = 50'



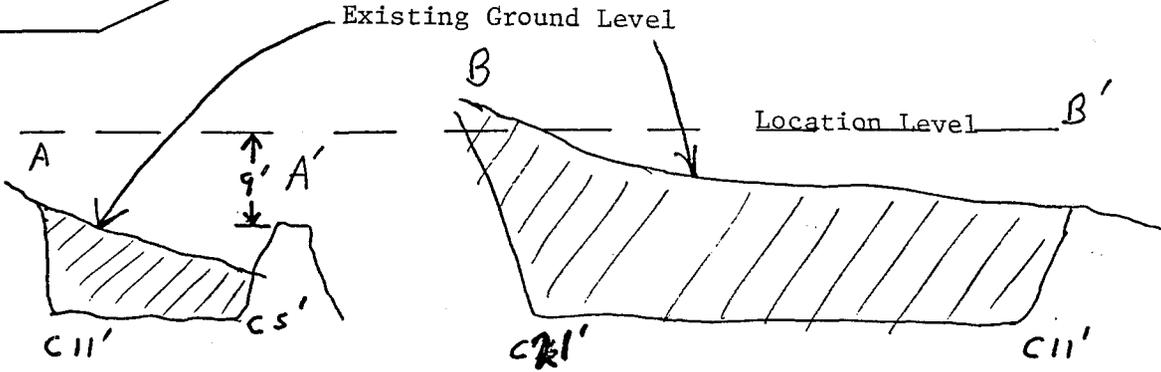
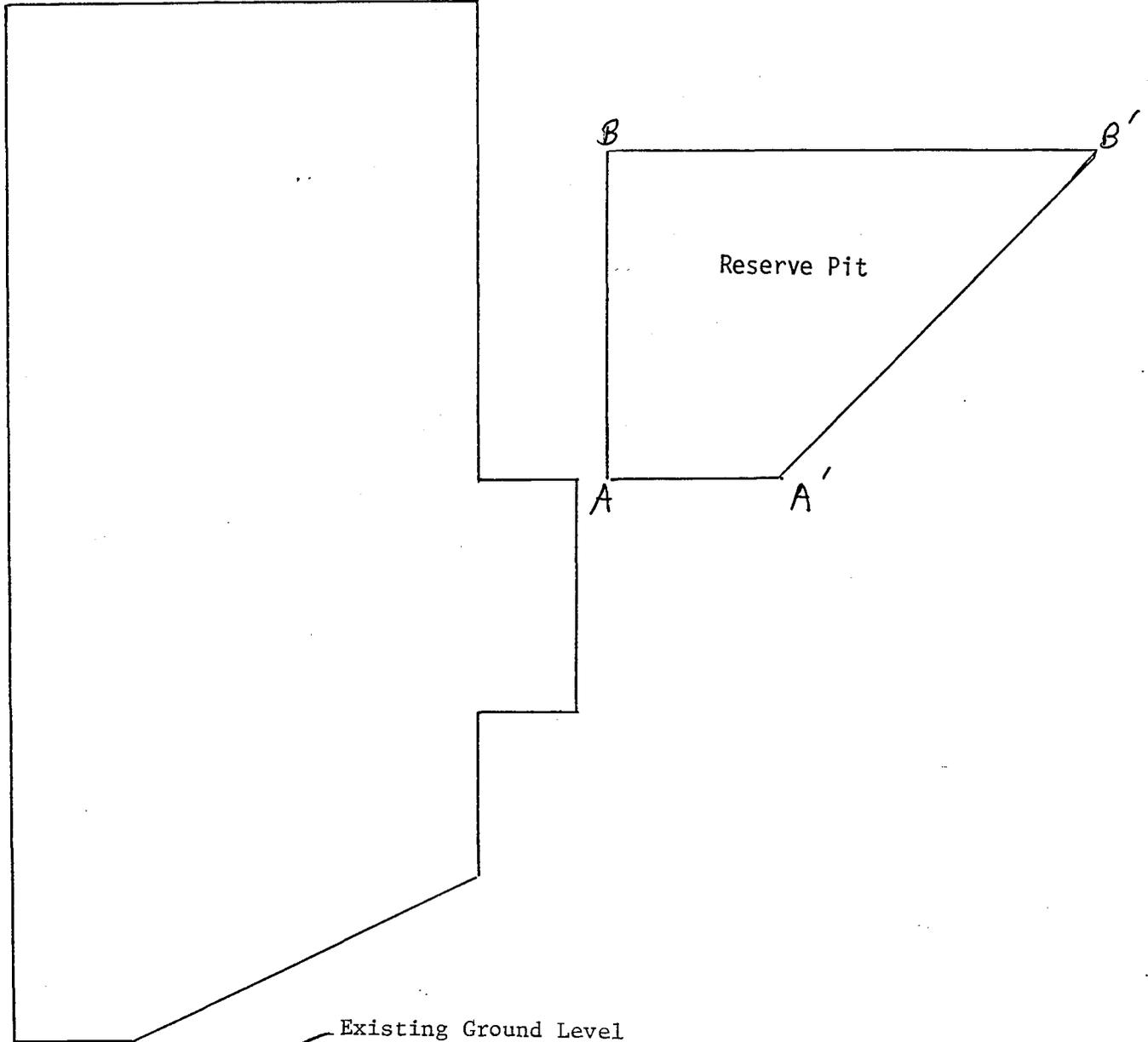
Horizontal Scale: 1" = 50'
Vertical Scale: 1" = 20'

Lisbon Unit Well No. C-715
San Juan County, Utah



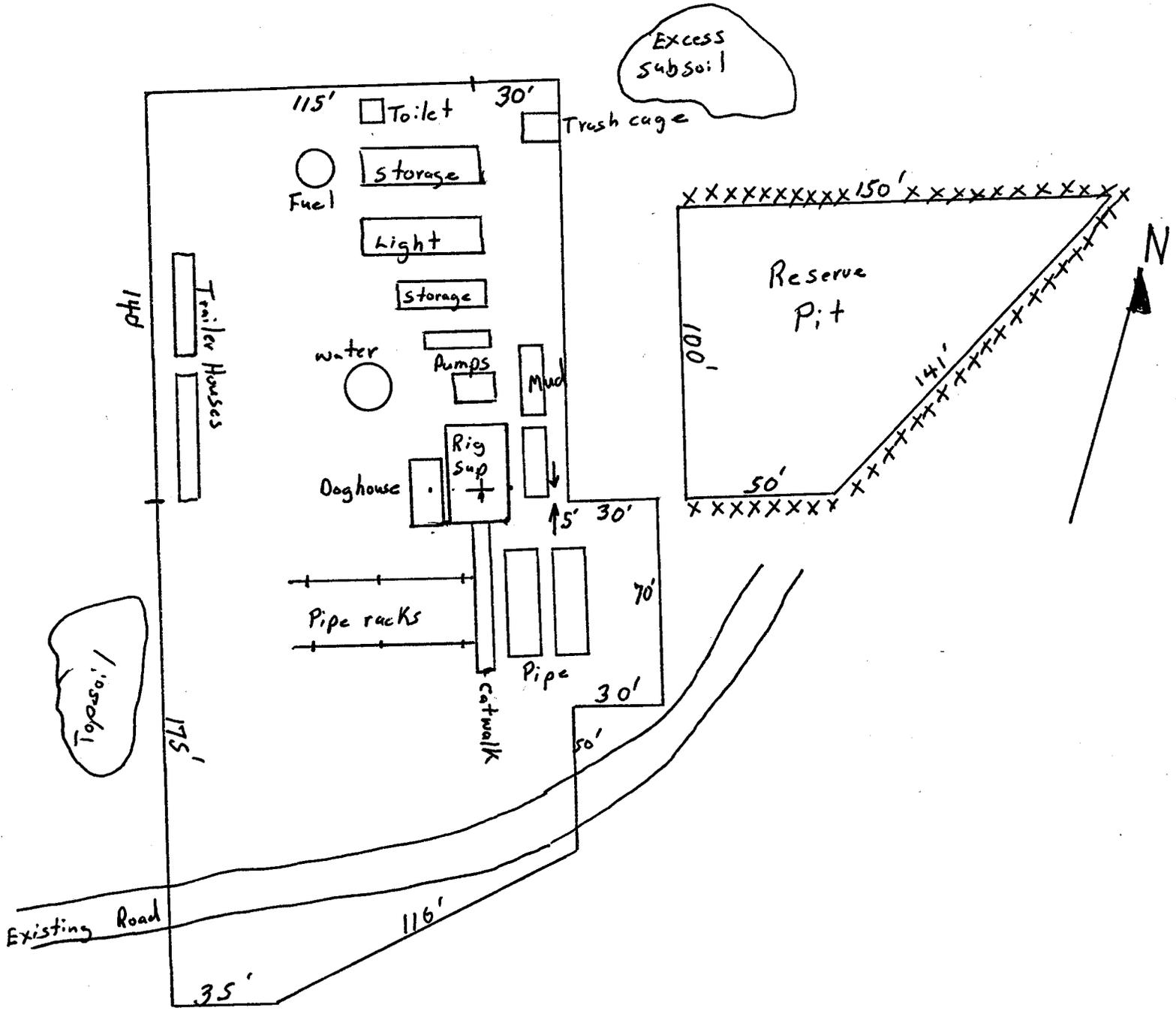
Horizontal Scale: 1" = 50'
Vertical Scale: 1" = 20'

Lisbon Unit Well No. C-715
San Juan County, Utah



Horizontal Scale: 1" = 50'
Vertical Scale: 1" = 20'

Lisbon Unit Well No. C-715
San Juan County, Utah



Scale: 1" = 50'

H₂S CONTINGENCY PLAN

Lisbon Unit Well No. C-715

I. EMERGENCY TELEPHONE NUMBERS:

1. Ambulance:

- a) Moab - 801-259-7403
- b) Monticello - 801-587-2116

2. Hospital:

- a) Moab - Allen Memorial Hospital - 801-259-7191
- b) Monticello - San Juan County Hospital - 801-587-2116

3. Doctors:

- a) Blanding - Dr. James Redd, M.D. - Office - 801-678-2254
Residence - 801-678-2005
- b) Monticello - Dr. Carroll Goon, G.S. - Office - 801-587-2282
Dr. Jerrold Smith, G.S. & G.P. - Office - 801-587-2522

4. Helicopter Services:

- a) Arrowhead Helicopters, Inc. - Moab - 801-259-5956
- b) Luebell Helicopters - Moab - 801-259-8824

5. Veterinarian:

- a) Moab - Spanish Valley Veterinary Clinic - 801-259-5216
Emergency - 801-259-5773

6. Utah State Highway Patrol:

- a) Moab - 801-259-5441
- b) Monticello - 801-587-2662

7. County Sheriff:

- a) Moab - 801-259-8115
- b) Monticello - 801-587-2237

8. Utah State National Guard:

- a) Provo - 801-373-1060

9. Civil Defense Agency:

- a) Salt Lake City - 801-533-4000
- b) Moab - Cliff Aldridge - 801-259-7575

10. Fire Department:

- a) Moab - 801-259-5551
- b) Monticello - 801-587-2500

H₂S CONTINGENCY PLAN

Emergency Telephone Numbers (Continued)

Lisbon Unit Well No. C-715

Page 2

II. GOVERNMENT AGENCIES - TELEPHONE NUMBERS:

1. Bureau of Land Management:

- a) Salt Lake City - 801-524-5311
- b) Moab - 801-259-6111

2. United States Forest Service:

- a) Moab - 801-259-7155
- b) Manti-LaSal National Forest - Price - 801-637-2817
- c) District Rangers Office - Moab - 801-259-8415

3. Environmental Protection Agency:

- a) Denver, CO - 303-837-3895

4. Utah State, Department of Environmental Quality:

- a) Health Services Division - Salt Lake City - 801-523-6121

5. Utah State, Department of Wildlife Resources:

- a) Price - 801-637-3310

6. Utah State, Division of Oil, Gas, and Mining:

- a) Salt Lake City - 801-533-5771

III. COMPANY & CONTRACTOR - TELEPHONE NUMBERS:

1. Union Oil Company of California Personnel:

- a) Union Oil Company Office - Casper, Wyoming - 307-234-1563
- b) District Operations Manager - Lon Pardue - 307-266-5400
- c) District Drilling Superintendent - Ralph Ladd, Jr. - 307-265-6317
- Mobile Phone - 307-265-4374
- d) Drilling Engineer - Dave Peters - 307-237-1554
- Mobile Phone - 307-265-4078
- e) Drilling Foreman - Frank Gillespie - 307-577-0631
- Mobile Phone - 307-265-4254

2. Drilling Contractor:

- a) Drilling Superintendent - Not available
- b) Toolpusher - Not available
- c) Toolpusher - Not available
- d) Rig Telephone - Not available

III. COMPANY & CONTRACTOR - TELEPHONE NUMBERS: (Continued)

3. Mud and Chemicals Company:
 - a) District Manager - Not available
 - b) Mud Engineer - Not available
 - c) Mud Engineer - Not available
 - d) Warehouse - Not available

4. W&C Construction Company:
 - a) Farmington, New Mexico - 505-325-1991
Earth-moving equipment, dozers, backhoes, trucks, floats, etc.

5. Crowley Construction:
 - a) Monticello - 801-587-2377
Earth-moving equipment, dozers, backhoes, trucks, floats, etc.

6. Moab Brine Company:
 - a) Moab - 801-259-5751
Liquid transport, semi- and bobtail rigs

7. Halliburton Services:
 - a) Farmington, New Mexico - 505-325-3575
High-pressure pumping equipment and cementing services

8. Dowell Division:
 - a) Grand Junction, Colorado - 303-241-0550
High-pressure pumping equipment and cementing services

9. Safety International, Inc.:
 - a) Darrel Loyd - Cortez, Colorado
Office - 303-565-7455
Residence - 303-565-3582

H₂S safety specialists with all necessary safety equipment available on rental or lease basis, including monitors, breathing equipment, signs, flags, first-aid equipment, personnel training, on-site supervision, etc.

10. Moore Engineering and Sales:
 - a) Englewood, Colorado - 303-789-1009
Oil spill clean-up and containment equipment

11. Dalgarno:
 - a) Moab - 801-259-6844
Heavy hauling of all types of material, both liquid and dry-bulk material. Transportation of any type of equipment.

III. COMPANY & CONTRACTOR - TELEPHONE NUMBERS: (Continued)

12. W. R. Hall Transportation:

a) Grand Junction, Colorado

- 303-243-3210

Heavy hauling of all types of material. Transportation of any type of equipment.

H₂S CONTINGENCY PLAN
H₂S EMERGENCY INSTRUCTIONS
Lisbon Unit Well No. C-715

In the event that H₂S is detected by one of the electronic monitors, in a concentration greater than 10 ppm, visual and audio alarms will be activated on the rig floor and in the toolpusher trailer houses.

The driller will put on a five-minute emergency escape pack. He will then shut the well in, if possible, and evacuate to the upwind briefing area.

All other personnel will evacuate immediately to the upwind briefing area.

The toolpusher and/or company supervisor will account for all personnel and appraise the situation.

If a person is unaccounted for, two men will put on fresh-air breathing equipment and with safety ropes attached, will make a search of the location for the missing individual, using the buddy system and staying within eye-sight of each other at all times.

If it is determined that an emergency situation exists -- All fresh-air breathing equipment will be checked for proper functioning prior to entering the hazardous area. Only personnel trained in the use of fresh-air breathing equipment will be allowed to enter the area. No one will enter the area alone or without a lifeline attached and no one will enter the area without fresh-air breathing equipment in use.

The driller and the motor-man will go to the rig control station.

The derrick-man will go to the remote BOP control station accompanied by a floor-man.

One floor-man will go to the existing lease road, put up flags and signs and stop unauthorized personnel from entering the location.

Geologists and other personnel not directly involved in controlling the situation will remain at the briefing area.

The Union Oil Company supervisor and the toolpusher will direct the work toward bringing the well under control.

The Union Oil Company district office will be notified by the Union Oil supervisor of the problem as soon as possible. The district office will then notify authorities, government agencies, etc., as deemed necessary by the men on location. Any persons known to reside in the area will be contacted and informed of the situation. In the event that contact cannot be made, assistance from the local law enforcement will be requested to locate the individuals.

The floor-man assigned to stop unauthorized personnel from entering the location may be asked to notify the residents in the area of the situation if conditions warrant.

The Following Safety Equipment will be Located:

A. Air Packs:

- 1 - 5-minute escape pack on the derrick
- 4 - 5-minute escape packs in the dog-house
- 1 - 30-minute pack in each trailer
- 1 - 30-minute pack in mud shed
- 1 - 30-minute pack at bottom of stairs to floor

Total: 7 - 30-minute packs
7 - 5-minute packs (Robertshaws)
7 - Airline work units

B. Cascade System:

- 10 - 380 cu. ft. cylinder air supply system
- 1 - 5-outlet manifold on floor
- 1 - 5-outlet manifold on mud tanks
- 7 - line masks (same as 5-minute packs)
- 1000' - Low-pressure air-line hose with quick-connects

C. Detection Equipment:

- 1 - Tac Monitor with a sensor at bellnipple, one on floor and one at shaker. A siren and light will be positioned in derrick so to be seen from all points on location.
- 2 - Hand-sampling gas detectors will be used to check areas not covered by automatic monitoring equipment.

D. This equipment is available for persons normally on location. This includes the five-man crew, toolpusher, drilling supervisor, and geologists. Maximum number of people to be on location during normal drilling operations should range from ten to twelve.

- 1. Two areas on location will be designated as BRIEFING AREAS. The one that is upwind from the wellbore will be designated as the "SAFE BRIEFING AREA." The SAFE BRIEFING AREA will be recognized by the positioning of the SAFETY trailer in this area.
- 2. The "SAFETY" trailer provided by SAFETY INTERNATIONAL, INC. will contain the equipment listed above and will have a wind sock or streamer to indicate wind direction.
- 3. A second wind sock or streamer will be located at the end of the catwalk and be visible from the rig floor.
- 4. A third wind sock at the entrance to location.
- 5. A fourth wind sock will be located on the steel mud pits.

6. A condition warning sign will be displayed at the entrance the location regarding current operation conditions.
7. Three road cones will be available to block the entrance to the location should an emergency occur.

H₂S TRAINING AND PROTECTION

1. H₂S Training and Drills:

All personnel shall be instructed and certified one week prior to penetrating an expected hydrogen sulfide zone. Training will include: The correct use of the air masks, wind socks, safety ropes, and oxygen resuscitator, instruction on artificial respiration and on the emergency procedure.

H₂S drills will be held periodically. The company representative, along with the toolpusher, shall plan and activate the drills. They will activate, without warning, the H₂S alarm and participate in the drill. The crew will proceed to put on a mask and secure the well as per posted drilling procedure.

2. A Safety Supervisor will be on site when drilling or testing the H₂S bearing zones.

SAFETY EQUIPMENT TO BE PROVIDED BY SAFETY INTERNATIONAL, INC.

1	Complete H ₂ S Safety Trailer
8	Bottle Cascade
7	30-minute Rescue Units
7	5-minute Work/Escapes Units
7	5-minute Escape Capsules
1,000'	Air-line hose
1	Filler Hose for Work Units
6	Windssocks
1	Well Condition Sign with Flags (4x4)
1	H ₂ S Caution Sign (4x4)
2	Briefing Area Signs (4x4)
1	Gastec Hand-detector with Tubes
1	Flare Gun with shells
1	Fire Blanket
1	Stretcher
1	Resuscitator
3	Traffic Cones
2	Safety Ropes with Harness
1	Three-Channel Monitor with Alarms (Texas Analytical set at 10 ppm with light and sirens)
1	Bug Blower
1	2-Bottle Cascade System at #2 Briefing Area
1	First Aid Kit
1	Set Air Splints

H₂S EMERGENCY INSTRUCTIONS

RADIUS OF EXPOSURE

Lisbon Unit Well No. C-715

Data obtained from other wells in the area indicates that the expected H₂S concentration associated with oil or gas production may be as high as 10,000 ppm.

Using the formulae:

$$R_{100} = (1.589 \times (\text{mole frac}) \times Q)^{0.6258}$$

and

$$R_{500} = (0.4546 \times (\text{mole frac}) \times Q)^{0.6258}$$

where: R_{100} = radius of exposure to 100ppm concentration in ft.

R_{500} = radius of exposure to 500ppm concentration in ft.

Q = gas volume in cubic ft/day.

a maximum expected or attainable flow rate of 21,500,000 scfpd of gas with a concentration of 10,000ppm yields:

$$R_{100} = 2900' = 0.55 \text{ mile}$$

$$R_{500} = 1326' = 0.25 \text{ mile}$$

A 100ppm concentration is not dangerous and can be worked in safely for a limited amount of time. A 500ppm concentration is dangerous and can be fatal. A 500ppm concentration is unsafe and fresh-air breathing equipment must be used in this environment.

There are no permanent residents within a 1/2 mile radius of the proposed location. In the event of an emergency, the existing lease road will be blockaded and any personnel working in the area will be notified to evacuate the area. (See attached map)

There will be signs posted on and along the lease road warning of potential H₂S danger. If an emergency situation occurs, the county sheriff will be asked to barricade the road at a distance of approximately 1/2 mile from

the location. All public access to the area would then be eliminated during the time of the emergency. (See attached map for location of barricades)

In the event that it is necessary to abandon the location entirely, escape from the location can be accomplished along the lease road or by means of a path. The access road goes towards and away from the prevailing wind and will be well marked with flags. The primary escape route will be to the west on the existing lease road (upwind). The path will run perpendicular to the prevailing wind directions and will also be well marked with flags. All personnel will be familiar with the path and will have a working knowledge of the terrain in the area. (See attached location layout and map)

Two briefing areas will be set up and maintained on location. (See attached location layout) The briefing areas will be equipped with seven fresh-air units, first-aid equipment, lifelines, and instructions for emergencies. Flags will be located at each briefing area, at the end of the catwalk, and alongside the access road to the location.

H₂S detectors will be placed at the drilling nipple, the shale shaker, in the cellar, and on the rig floor. The detectors will be connected to audio and visual alarms on the rig floor and in the trailer houses. The detectors will be set at a 100ppm concentration alarm level. A ventilation fan will be installed under the rig floor.

Additional Information

This well will be drilled in the fall. Operations will begin in late October or early November and should be completed by the middle of December. Changing weather conditions should not present a problem, however, snow removal equipment will be made available if adverse weather conditions are encountered.

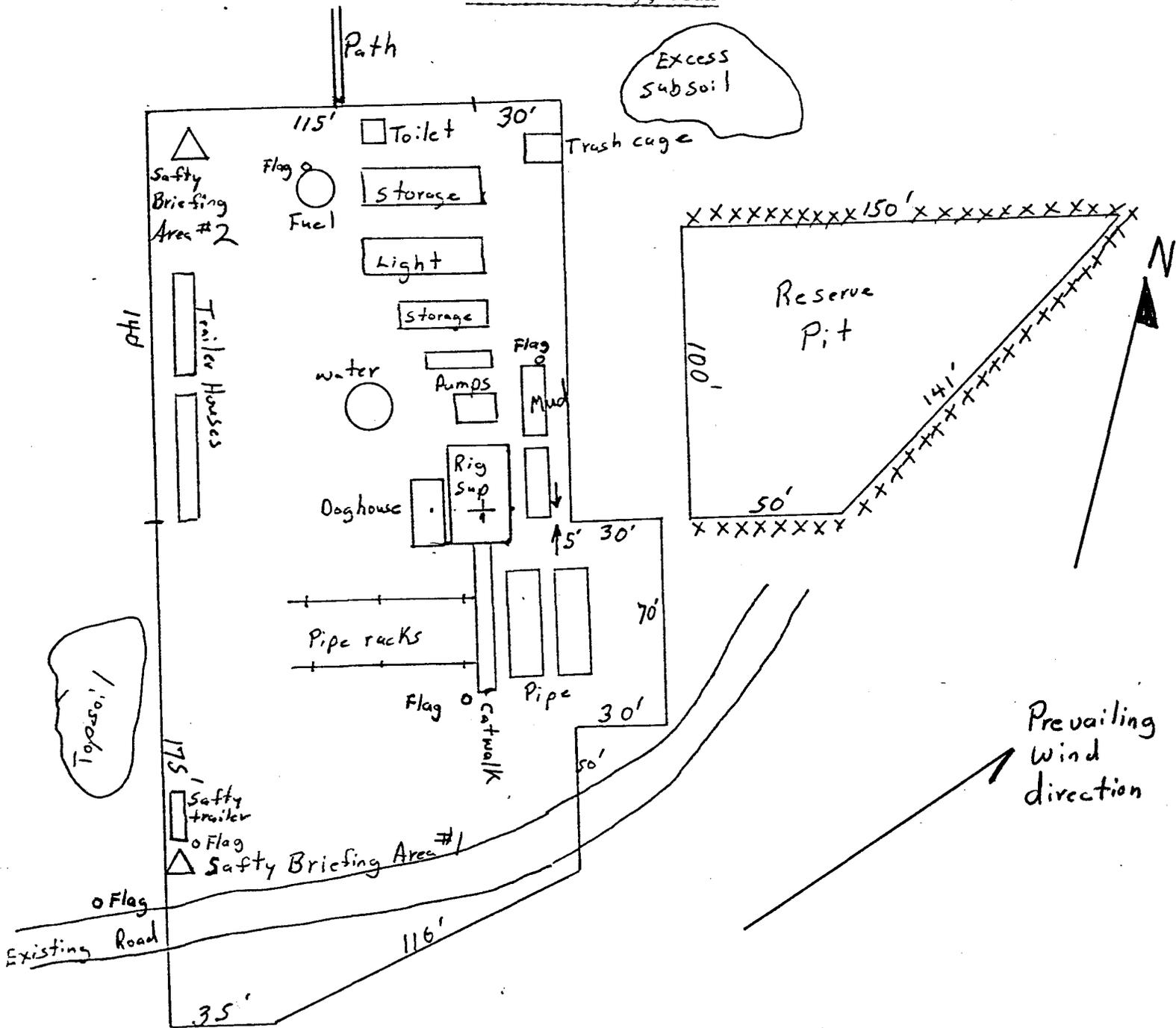
All personnel of the drilling contractor and Union Oil Company representatives will be adequately trained in H₂S safety, the use of emergency equipment, and first aid, as well as emergency procedures.

All drilling equipment and wellhead equipment will be designed to minimize H₂S damage and will meet standards for H₂S service.

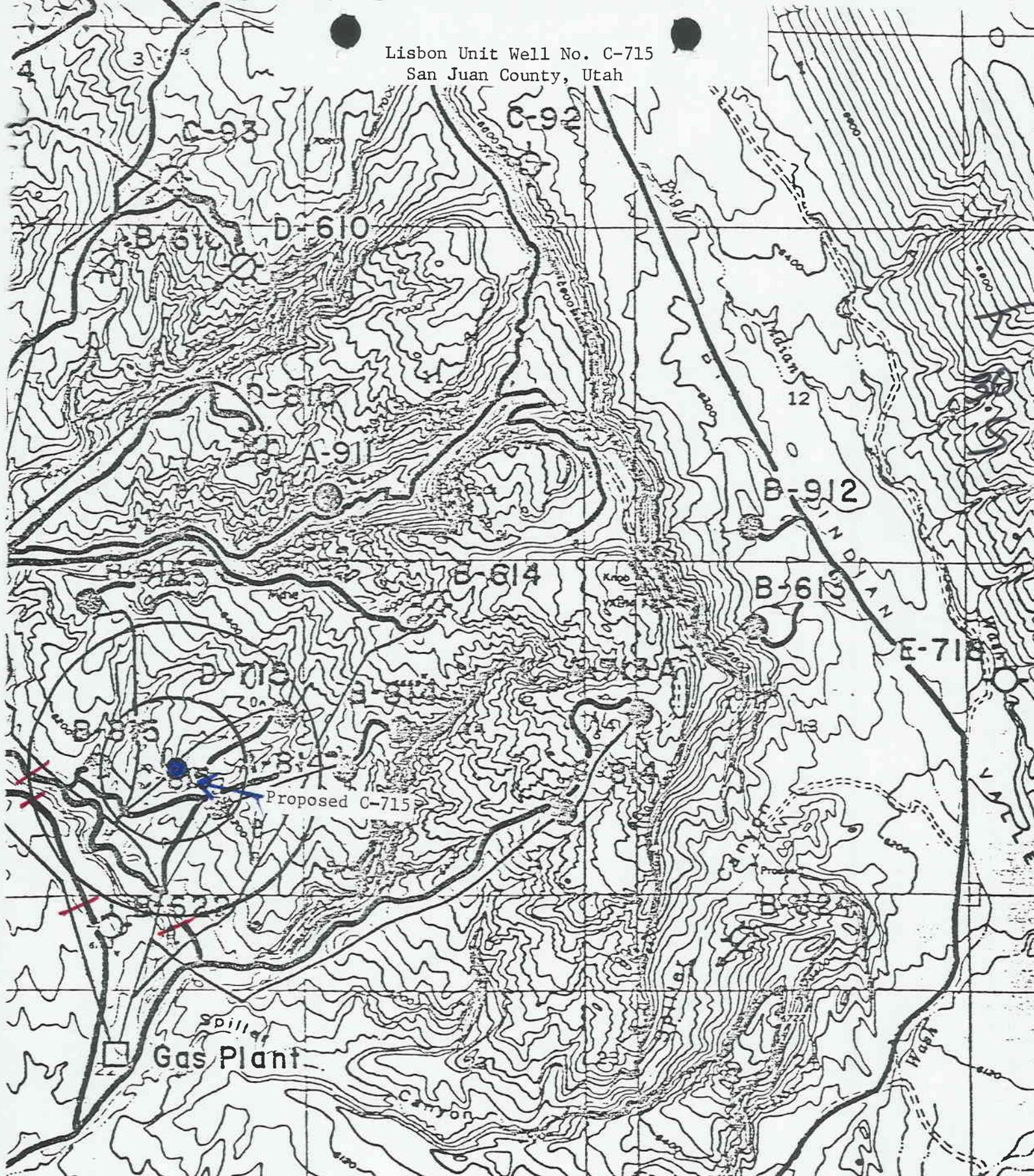
Ironite sponge and ammonia will be maintained on location and will be added to the mud system if H₂S is detected. In addition, zinc carbonate will be maintained in the mud system at approximately five lbs. per bbl. Zinc carbonate will reduce H₂S at a ratio of one lb. zinc carbonate to 500ppm H₂S. All produced fluid from the well on drill stem tests or swabbing will be handled through a low-pressure separator. Gas will then be diverted to a flare pit and burned. During any such operations, the gas will be ignited by a continuous pilot light.

In the event of an uncontrolled blowout, the county sheriff of San Juan County, Utah and/or a qualified Union Oil Company representative will have the authority to ignite the well so as to eliminate H₂S gas in the immediate area of the wellsite.

Lisbon Unit Well No. C-715
San Juan County, Utah



Lisbon Unit Well No. C-715
San Juan County, Utah



R 24 E

Mapped by the Geological Survey 1954
Topography by multiboles methods from
aerial photographs taken 1953

ROAD CLASSIFICATION
Improved Unimproved

- Roads
- Flowlines
- Barricades

NOTE: ALL WELLS ARE SURFACE LOCATIONS

MT PEALE 3 NE, UTAH
N. 80° 5' W. 10915/75

LISBON UNIT FIELD

APPROXIMATE 1954
DECLINATION 15°

OPERATOR Union Oil Co. of Ca. DATE 9-19-84

WELL NAME Lester Unit C-715

SEC NWSE 15 T 30S R 24E COUNTY San Juan

43-097-31074
API NUMBER

Fed.
TYPE OF LEASE

POSTING CHECK OFF:

<input type="checkbox"/>	INDEX	<input type="checkbox"/>	HL	<input type="checkbox"/>
<input type="checkbox"/>	NID	<input type="checkbox"/>	PI	<input type="checkbox"/>
<input type="checkbox"/>	MAP	<input type="checkbox"/>		<input type="checkbox"/>

PROCESSING COMMENTS:

Lester Unit - OK on POD / Lease 9/27/84
Need water permits

APPROVAL LETTER:

SPACING: A-3 Lester UNIT c-3-a _____ CAUSE NO. & DATE

c-3-b c-3-c

SPECIAL LANGUAGE:

1- Water
~~2- BOP 500 psi 9 5/8" CS~~

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER _____

UNIT *Luton*

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

October 1, 1984

Union Oil Company of California
P.O. Box 2620
Casper, Wyoming 82602-2620

Gentlemen:

Re: Well No. Lisbon Unit C-715 - NW SE Sec. 15, T. 30S, R. 24E
(Surface) 2204' FSL, 1922' FEL, (BHL) 2200' FSL, 1900' FEL
San Juan County, Utah

Approval to drill the above referenced oil well is hereby granted in accordance with Section 40-6-18, Utah Code Annotated, as amended 1983; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulation:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

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

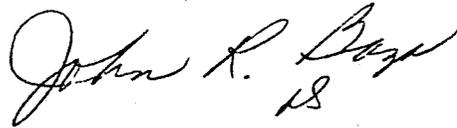
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 533-5771, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Page 2
Union Oil Company of California
Well No. Lisbon Unit C-715
Page 2

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31074.

Sincerely,

A handwritten signature in cursive script that reads "John R. Baza" with a small "18" written below the name.

John R. Baza
Petroleum Engineer

gl
Enclosures
cc: Branch of Fluid Minerals

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
 P. O. Box 2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 2204' FSL & 1922' FEL (NW SE)
 At proposed prod. zone
 2200' FSL & 1900' FEL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 38 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) 709'

16. NO. OF ACRES IN LEASE 320

17. NO. OF ACRES ASSIGNED TO THIS WELL (Unit)

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 968'

19. PROPOSED DEPTH 8600'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6156' GR (Ungraded)

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

5. LEASE DESIGNATION AND SERIAL NO.
 U-015269

6. IF IN INDUSTRY, NAME OF TOOL NAME
GAS & MINING

7. UNIT AGREEMENT NAME
 Lisbon Unit

8. FARM OR LEASE NAME
 Lisbon Unit

9. WELL NO.
 C-715

10. FIELD AND POOL, OR WILDCAT
 Lisbon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 15, T.30S., R.24E.

12. COUNTY OR PARISH 13. STATE
 San Juan Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT	Expected Top
17-1/2"	13-3/8"	48#	50'	10 sx	Surface
12-1/4"	9-5/8"	36#	1000'	+600 sx	Surface
8-3/4"	5-1/2"	17# & 20#	8600'	+1300 sx	3,900'

PROPOSED DRILLING PROGRAM:

Drill 17-1/2" hole with rat-hole machine to 50'. Set and cement 13-3/8" conductor. Move in rotary rig. Drill 12-1/4" hole to 1000'. Run and cement 9-5/8" casing. Drill 8-3/4" hole to approximate T.D. of 8600'. Run logs and, 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. B-73310

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 R. G. Ladd, Jr. TITLE District Drilling Supt. DATE 9-11-84
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY /s/ GENE NODINE TITLE DISTRICT MANAGER DATE 12 OCT 1984
 CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED

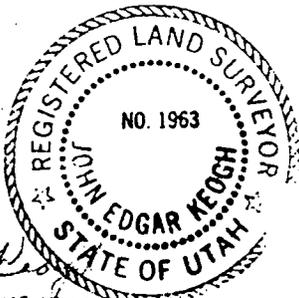
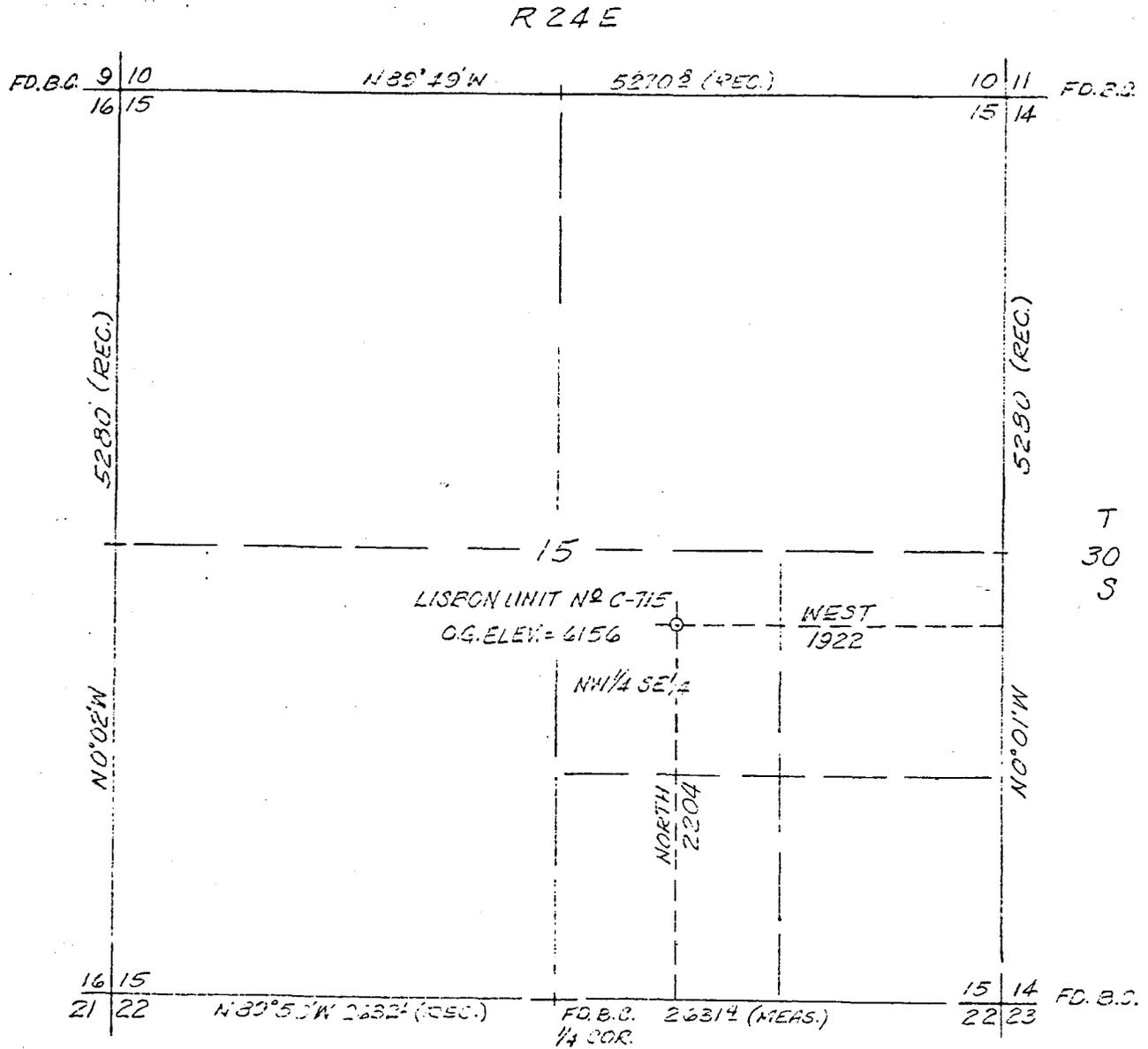
FLARING OR VENTING OF GAS IS SUBJECT OF NTL 4-A DATED 1/1/80

*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.

State of Utah - DOG-M.

WELL LOCATION PLAT



John E. Keoch
 UTAH R.L.S. NO. 1963

WELL LOCATION PLAT OF
 LISBON UNIT WELL NO C-715 IN
 NW 1/4 SE 1/4, SEC. 15, T. 30 S., R. 24 E., S.L.B. & M.
 SAN JUAN COUNTY, UTAH
 FOR: UNION OIL CO. OF CALIFORNIA
 SCALE: 1" = 1000' SEPT. 6, 1984
 TRANSIT & E.D.M. SURVEY

ELEV. BY VER. ANGLES FROM U.S.G.S. TOPO. QUAD.
 "HATCH POINT, UTAH" 1954 (S.E. COR., SEC. 15 = 6141)

Union Oil C-715
Sec. 15, T. 30 S., R. 24 E
San Juan County, Utah

Conditions of Approval

1. Northwest corner of the pad will be rounded to minimize excessive cuts.
2. Vegetation and trees will be stockpiled along with whatever topsoil can be removed. Trees may also be stockpiled to the north by the subsoil pile as long as they are located away from the flare pit and direction of the blooie line.
3. Existing pipeline will be moved prior to pad construction.
4. Warning signs will be posted along the access route to slow down traffic and warn of drilling activity and congestion on road since it bisects the drill pad.
5. Access will be re-routed along the edge of the pad and reserve pit. Access road construction and upgrading will follow Moab District Class III road standards.
6. Determination of whether the reserve pit will need to be lined will be made by the BLM after construction of the pit commences.
7. All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.
8. Blooie line will be misted to reduce fugitive dust when air drilling.
9. 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 3164. 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 (cutting, fluids, and/or gases) will be submitted when requested by the Moab District Manager.
10. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before resumption of operations.

11. The spud date will be reported orally to the Area Manager within a minimum of twenty-four (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 twenty-four (24) hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.
12. In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6, "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed directly with the BLM District Office, P.O. Box 970, Moab, Utah 84532.
13. Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Resource Area in accordance with requirements of NTL-3A.
14. If the replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed for prior approval of the District Manager, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergency situations, verbal approval to bring on a replacement rig will be approved by the District Petroleum Engineer.
15. Should the well be successfully completed for production, the District Manager will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) business days following the date on which the well is placed on production.
16. A first production conference will be scheduled within fifteen (15) days after receipt of the first production report. The Resource Area Office will coordinate the field conference.
17. No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly-drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the District Petroleum Engineer. A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the District Manager 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. 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.
18. Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The marker will be constructed as follows: 4 ft. tall. The top of the marker will be closed or capped.

The following minimum information will be permanently placed on the marker plate, cap or beaded-on with a welding torch:

"Fed", "Operator Name", "Well Number, location by 1/4 1/4 section, township and range". "Lease Number".

19. If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the battery.
20. All loading lines and valves will be placed inside the berm surrounding the tank battery.
21. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.
22. The following seed mixture will be used:

Seed Mixture		lbs/acre
Oryzopsis hymenoides	Indian ricegrass	2
Agropyron smithii	Western wheatgrass	2
Melilotus officinalis	Yellow sweetclover	1
Purshia tridentata	Antelope bitterbrush	2
Cowenia mexicana	Cliffrose	2
	Total	<u>9</u> lbs/acre

23. There will be no deviation from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, will be identified in accordance with 43 CFR 3162.2.
24. "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 3164.
25. The dirt contractor will be provided with an approved copy of the surface use plan.
26. This permit will be valid for a period of one (1) year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

ONSITE

DATE: October 2, 1984

PARTICIPANTS:

TITLES:

Your contact with the District Office is: Robert (Bob) Graff

Office Phone: 801-259-6111 Ext. 216 Home Phone: 801-259-6088

82 East Dogwood, P.O. Box 970

City: Moab State: Utah 84532

Resource Area Manager's address and contacts are: Grand Resource Area

Address: Old Sand Flat Road, P.O. Box M, Moab, Utah 84532

Your contact is: Wayne Svejnoha

Office Phone: 801-259-8193

Home Phone: 801-259-8476

Union Oil and Gas Division: Central Region

Union Oil Company of California
900 Werner Court
Post Office Box 2620
Casper, Wyoming 82602-2620
Telephone (307) 234-1563

UNION 76

RECEIVED

September 17, 1985

SEP 19 1985

**DIVISION OF OIL
GAS & MINING**

State of Utah
Natural Resources
Oil, Gas & Mining
4241 State Office Building
Salt Lake City, UT 84114

Attn: Ron Firth
Director

Re: Request for Extension
of Drilling Permit for
Lisbon Unit Well No. C-715
NW SE, Sec. 15, T.30S., R.24E.
Lisbon Field
San Juan County, Utah

API No. 43-037-31074
Lease No. U-015269

Gentlemen:

Union Oil Company of California requests an extension of the permit to drill for subject well, approved by your office on October 1, 1984, and which expires on October 1, 1985.

Very truly yours,

UNION OIL COMPANY OF CALIFORNIA

M. E. Dill

For: R. G. Ladd, Jr.
District Drilling Superintendent

Extension granted to 10/1/86 JRB

RGL:pd

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

DATE: *9/23/85*
BY: *John R. Dayer*

w/α

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API #43-037-31074

NAME OF COMPANY: UNION OIL COMPANY

WELL NAME: LISBON UNIT C-715

SECTION NW SE 15 TOWNSHIP 30S RANGE 24E COUNTY San Juan

DRILLING CONTRACTOR Veco

RIG # 6

SPUDED: DATE 11-8-85

TIME 5:00 PM

HOW Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Peg Dill

TELEPHONE # (307) 234-1563

DATE 11-12-85 SIGNED RJF

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions
reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NO.

U-015269

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Lisbon Unit

8. FARM OR LEASE NAME

Lisbon Unit

9. WELL NO.

C-715

10. FIELD AND POOL, OR WILDCAT

Lisbon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 15, T.30S., R.24E.

14. PERMIT NO.

API No. 43-037-31074

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6156' GR (Ungraded)

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other) SPUD NOTICE

(Other)

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

17. 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.)*

MIRU Veco Drilling, Inc.'s rotary rig No. 6. Spudded 12-1/4" hole at 5:00 p.m., 11-8-85. Drilling ahead at 1009' on 11-10-85.

RECEIVED

NOV 14 1985

DIVISION OF OIL
GAS & MINING

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

SIGNED

R. G. Ladd, Jr.

R. G. Ladd, Jr.

TITLE

District Drilling Supt.

DATE

11-11-85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED

OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.	U-015269
2. NAME OF OPERATOR Union Oil Company of California				6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P. O. Box 2620 - Casper, WY 82602-2620				7. UNIT AGREEMENT NAME Lisbon Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations. See also space 17 below.) At surface 2204' FSL & 1922' FEL (NW SE)				8. FARM OR LEASE NAME Lisbon Unit	
				9. WELL NO. C-715	
				10. FIELD AND POOL, OR WILDCAT Lisbon	
				11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 15, T.30S., R.24E.	
14. PERMIT NO. API No. 43-037-31074		15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6156' GR (Ungraded)		12. COUNTY OR PARISH San Juan	
				13. STATE Utah	

NOV 15 1985

**DIVISION OF OIL
& GAS MINING**

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>	FRACUTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACUTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>	REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) SUPPLEMENTARY WELL HISTORY <input checked="" type="checkbox"/>	
REPAIR WELL <input type="checkbox"/>							
(Other)							

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

17. 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.)*

Drilled to 1023'. Circulated. Ran and cemented 24 jts. (1003.81') of 9-5/8", 36#, J-55 & K-55, 8RD, ST&C, new and used, seamless casing at 1015.81' (float collar at 972.80') with 450 sacks of cement. Preceded cement with 10 bbls. water, 18 bbls. mud sweep, and 5 bbls. water. Displaced with 77 bbls. fresh water at 4 bpm to 5 bpm at 400#. Maximum PDP 500#. Did not bump plug. Released pressure and float held O.K. Had full returns and circulated 40 sacks of cement to surface. CIP & J.C. at 6:45 p.m., 11-11-85. W.O.C.

N.U. BOP and manifold. Tested blind rams to 1000 psi for 30 mins., O.K. TIH and tested pipe rams to 1000 psi for 1/2 hour, O.K. Drilling ahead at 1055'.

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

SIGNED R. G. Ladd, Jr. TITLE District Drilling Supt. DATE 11-13-85

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

***See Instructions on Reverse Side**

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Union Oil Company of California

3. ADDRESS OF OPERATOR
P. O. Box 2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
2204' FSL & 1922' FEL (NW SE)

14. PERMIT NO.
API No. 43-037-31074

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6156' GR (Ungraded)

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DEC 19 1985
DIVISION OF OIL
GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.
U-015269

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Lisbon Unit

8. FARM OR LEASE NAME
Lisbon Unit

9. WELL NO.
C-715

10. FIELD AND POOL, OR WILDCAT
Lisbon

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA
Sec. 15, T.30S., R.24E.

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) SUPPLEMENTARY WELL HISTORY <input checked="" type="checkbox"/>	

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

17. 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.)*

Drilled to 8,177' on 12-15-85. Deviation Surveys as follows:

- | | |
|--------------------------|-------------------------|
| 1° @ 460' | 4.7° N. 90° E. @ 4470' |
| 1° @ 1023' | 7.8° S. 37° W. @ 4747' |
| 1.25° N. 76° E. @ 1121' | 7.7° S. 54° W. @ 5073' |
| 3.25° N. 59° E. @ 1770' | 7.6° S. 58° W. @ 5663' |
| 5° N. 54° E. @ 2203' | 8.75° S. 58° W. @ 6160' |
| 7.25° N. 55° E. @ 2766' | 10° S. 58° W. @ 6568' |
| 9° N. 49° E. @ 3167' | 9.5° S. 55° W. @ 6744' |
| 11.75° N. 47° E. @ 3363' | 9.75° S. 57° W. @ 6960' |
| 9° N. 49° E. @ 3430' | 10° S. 55° W. @ 7147' |
| 6.4° N. 53° E. @ 3578' | 10.5° S. 44° W. @ 7650' |
| 7.2° N. 58.6° E. @ 3666' | 9.5° S. 40° W. @ 7929' |
| 8.3° N. 65° E. @ 3848' | 8.5° S. 44° W. @ 8115' |
| 4.4° N. 64.6° E. @ 4159' | |

Drilling ahead at 8,177'.

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

SIGNED R. G. Ladd, Jr. TITLE District Drilling Supt. DATE 12-17-85

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

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JAN 10 1986

DIVISION OF OIL
GAS & MINING

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-015269
2. NAME OF OPERATOR Union Oil Company of California		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 2620 - Casper, WY 82602-2620		7. UNIT AGREEMENT NAME Lisbon Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 2204' FSL & 1922' FEL (NW SE)		8. FARM OR LEASE NAME Lisbon Unit
14. PERMIT NO. API No. 43-037-31074	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6156' GR (Ungraded)	9. WELL NO. C-715
		10. FIELD AND POOL, OR WILDCAT Lisbon
		11. SEC., T., S., M., OR BLK. AND SURVEY OR AREA Sec. 15, T.30S., R.24E.
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) SUPPLEMENTARY WELL HISTORY <input checked="" type="checkbox"/>	

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

17. 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.)*

Drilled to 8765' T.D. at 2:30 a.m., 12-21-85. (Deviation Surveys as follows: 8.25° S. 47° W. @ 8146', 6.25° S. 46° W. @ 8238', 5.5° S. 49° W. @ 8331', 5° S. 49° W. @ 8454', 4° S. 64° W. @ 8725') Circulated and conditioned hole for logs. Ran DLL-MSFL w/GR & Caliper, LDT-GNL w/GR & Caliper, and Sonic Logs. Circulated hole.

Ran and cemented 225 jts. and 1 piece (8752.08') of 5-1/2", 20# & 17#, L-80, LT&C, 8RD, new, seamless casing at 8764.08' (float collar at 8718.13', top of top plug baffle plate at 8682.11', and D.V. tool at 8149.75') with 1460 sacks of cement in two stages. Pumped first stage as follows: Mixed and pumped 160 sacks of class "H" cement with additives. Displaced with 10 bbls. fresh water and 189 bbls. 10.2#/gal. mud. Maximum PDP 600#. Bumped plug with 1000#. Had full returns throughout job. First stage plug down at 10:28 a.m., 12-23-85. Dropped bomb and opened D.V. tool with 1700# at 11:15 a.m., 12-23-85. Circulated 3-1/4 hrs. Pumped second stage cement as follows: Pumped 1200 sacks of Howco-Lite cement w/additives, followed by 100 sacks class "H" cement with additives. Displaced with 186 bbls. fresh water. Maximum PDP 1600#. Closed D.V. tool with 3400#. Tool closed O.K. Released pressure with no flow back. Had good circulation throughout. Had no cement to surface on first or second stage. Had mud flush and clabbered mud to surface after first stage. C.I.P. and J.C. at 3:55 p.m., 12-23-85. Set slips and cut off casing. Released rig at 8:00 p.m., 12-23-85. W.O.C.U.

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

SIGNED R. G. Ladd, Jr. TITLE District Drilling Supt. DATE 1-6-86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-015269
2. NAME OF OPERATOR Union Oil Company of California		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 2620 - Casper, WY 82602-2620		7. UNIT AGREEMENT NAME Lisbon Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2204' FSL & 1922' FEL (NW SE)		8. FARM OR LEASE NAME Lisbon Unit
14. PERMIT NO. API No. 43-037-31074	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6156' GR (Ungraded)	9. WELL NO. C-715
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		10. FIELD AND POOL, OR WILDCAT Lisbon
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 15, T.30S., R.24E.
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input checked="" type="checkbox"/> Move in Replacement Rig for Completion Operations	<input checked="" type="checkbox"/>

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

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

17. 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.)*

8765' T.D.

PROPOSED COMPLETION PROCEDURE:

- MIRU completion unit. Install BOP.
- P.U. 4-3/4" bit, casing scraper, & D.C.'s on 2-7/8" tubing to 8100'. Test BOP and casing to 3000#.
- Drill DV tool at 8150' and test casing to 3000#.
- TIH with bit and drill cement and baffle to float collar at 8718' ETD.
- Circulate hole with inhibited Mississippian formation water. POOH with bit. R.U. H₂S equipment.
- Run GR-Neutron Compensated Correlation Log from ETD to 8000' and Cement Evaluation Log from ETD to top of second stage of cement. Swab F.L. to 4000'. Perforate Mississippian formation from 8628-8648' with 4 casing jspf.
- TIH with retrievable packer and bridge plug straddle assembly on 2-7/8" tubing. Run a packer with a 2-7/8" mandrel. Set the bridge plug at ±8670' and pull the packer to 8650'. Spot 100 gals. 15% HCl acid with NE & LST additives from 8650-8550'. Pull the packer and set at 8500'.

(Continued on Attached Sheet)

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

SIGNED R. G. Ladd, Jr. TITLE District Drilling Supt. DATE 1-8-86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

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GAS & MINING

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8. Swab test perforations 8628-8648' (natural).
9. Treat perfs 8628-8648' with 2000 gals. 15% HCl acid with NE & LST additives in four 500-gal. stages with 50# benzoic acid flakes between stages.
10. Swab and test.
11. If the perfs are not productive, set a retainer at 8615' and cement squeeze. If the perfs are productive, pull the bridge plug to 8600' and set.
12. Spot 50 gals. acid from 8580-8550', pull packer to 8450' and set. Swab F.L. to 4000'.
13. Perf Mississippian from 8556-8563' and 8571-8576' with 4 spf with 2" tubing gun.
14. Swab test perfs 8556-8576' (natural).
15. Treat perfs 8556-8563' and 8571-8576' with 1200 gals. 15% HCl acid with NE & LST additives with 100# benzoic acid flakes in the last 600 gals. of acid. Swab and test.
16. If the perfs are not productive, drop 2 sacks of sand on bridge plug at 8600' and cement squeeze perfs 8556-8576' below the packer. Drill out the cement, test the squeeze to 500# and retrieve the bridge plug. If perfs 8628-8648' were nonproductive, POOH with straddle assembly and squeeze perfs 8556-8576' below a retainer set at 8551' on an electric line. If perfs 8556-8576' are productive, pull up and set bridge plug at 8549'.
17. Spot 50 gals. acid from 8545-8500', pull up and set packer at 8400'. Swab F.L. to 4000'.
18. Perf Mississippian 8532-8540' with 4 spf with 2" tubing gun.
19. Swab perfs 8532-8540' (natural).
20. Treat perfs 8532-8540' with 800 gals. 15% HCl acid with NE & LST additives in two 400-gal. stages with 50# BAF between stages. Swab and test.
21. If perfs 8532-8540' are nonproductive, drop sand on bridge plug and squeeze perfs under the packer set at 8400'. Drill out the cement, test the perfs and move the bridge plug to 8523'.
22. Spot 50 gals. acid from 8515-8470'. Pull packer to 8350' and set. Swab F.L. to 4000'.
23. Perf Mississippian from 8483-8493', 8498-8504', and 8510-8514' with 4 spf with 2" tubing gun. Swab test (natural).
24. Treat perfs 8483-8493', 8498-8504', and 8510-8514' with 2000 gals. 15% HCl acid with NE & LST additives in four 500-gal. stages, dropping 50# BAF in one bbl. acid between stages. Swab and test.
25. If perfs 8483-8514' are nonproductive, dump sand on bridge plug and cement squeeze perfs below packer set at 8350'.
26. Drill out cement, test perfs, and POOH with packer-bridge plug straddle assembly.
27. Run production packer on 2-7/8" tubing and set at \pm 8250'. Remove BOP and N.U. Xtree.
28. Swab and test.

Note: If there are no perfs open below nonproductive perfs, squeeze the nonproductive perfs below a cement retainer set 5' above the nonproductive perfs. Perf the next set of perfs while out of hole with tubing, using a casing gun.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved by
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

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

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DIVISION OF OIL
GAS & MINING

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-015269
2. NAME OF OPERATOR Union Oil Company of California		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 2620 - Casper, WY 82602-2620		7. UNIT AGREEMENT NAME Lisbon Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 2204' FSL & 1922' FEL (NW SE)		8. FARM OR LEASE NAME Lisbon Unit
14. PERMIT NO. API No. 43-037-31074	15. ELEVATIONS (Show whether DP, RT, GR, etc.) 6156' GR (Ungraded)	9. WELL NO. C-715
		10. FIELD AND POOL, OR WILDCAT Lisbon
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 15, T.30S., R.24E.
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>SUPPLEMENTARY WELL HISTORY</u> <input checked="" type="checkbox"/>	

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

17. 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.)*

8765' T.D.

MIRU well completion unit on 1-7-86. N.U. tubing spool and BOP. Tested BOP and casing to 1500#, O.K. P.U. 4-5/8" bit, casing scraper, and eight 4" D.C's on 2-7/8" tubing and tagged cement stringer at 8017'. N.U. reverse unit with B.O.P. R.U. power swivel. Washed and drilled cement stringers from 8017-8105'. Pressure tested 5-1/2" casing to 3000#, O.K. Drilled firm cement from 8105-8145'. Drilled D.V. tool from 8145-8149'. Washed to 8169'. Pressured D.V. tool to 3000#, O.K. Ran bit to 8475'. Washed 8475-8650'. Drilled from 8650-8683'. Circulated hole with 200 bbls. inhib. produced water. POOH.

Ran CNL-GR log. Perforated Mississippian formation from 8628-8648' with 4" casing gun w/4 spf. F.L. surface and steady while perforating. RIH with model "G" Lok-Set bridge plug and 5-1/2" Model "EA" retrievomatic, big-bore packer on 2-7/8" tubing and set bridge plug at 8666'. P.U. to 8650' and spotted 100 gals. 15% HCl with NE and LST and inhib. additives from 8650-6550'. P.U. and set packer at 8496'. Pressured annulus to 1500 psi, O.K. Swab tested perms and recovered 51.5 bbls. of water and acid load, 6.5 bbls. water and 1 bbl. oil. SION

(Continued on Attached Sheet)

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

SIGNED R. G. Ladd, Jr. TITLE District Drilling Supt. DATE 1-21-86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ 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.

Union Oil Company of California

Lisbon Unit Well No. C-715

San Juan Co., Utah

1-21-86

Page 2 of 2

F.L. @ 8000' (400' rise/13-1/2 hrs.) Swabbed and recovered 1-1/2 bbls. fluid cut 30% oil with no gas/30 mins. Acidized Mississippian perms 8628-8648' with 2000 gals. 15% HCl, 3 gals./1000 HAI-60 (Inhib.), 3 gals./1000 Lo-Surf 259, using 150# BAF as diverter, in four 500-gal. stages at average pressure of 2100 psi and rate of 5 bpm. Displaced with 52 bbls. inhib. formation water. ISIP 1000 psi. 1 min. 850 psi. 5 mins. 300 psi. 10 mins. vacuum. Swabbed and recovered 90 bbls. fluid/6 hrs. (60 bbls. acid water and 30 bbls. oil) with oil cut increasing to 50% last 2 runs. Well gassing strongly after each run for 10-15 mins. H₂S reading 800 ppm. F.L. 1200-3000' and scattered. SION.

SITP 500 psi/14 hrs. Flowed 4 BW + 1 BO/1/2 hr. Swabbed and recovered 50 BW + 53 BO/8 hrs. F.L. 3300-4700' & steady. Well gassing strongly after each run/10-15 mins. with 12,000 ppm H₂S. (Have recovered the 100 bbl. acid and water load, 10 bbls. water, and 84 bbls. oil.) SION.

SITP 500 psi/15 hrs. Installed 2 new deadmen and tested all four to 25,000#. Bled T.P. to zero, recovering 4 bbls. oil. Released retrievomatic packer at 8496'. Pumped 50 bbls. inhib. produced water down casing and 20 bbls. inhib. produced water down tubing to kill well. Washed over retrieving head, latching onto B.P. at 8666'. Reset B.P. at 8597' and 5-1/2" retrievomatic packer at 5580'. Attempted to pressure test B.P. Pressured up to 800# and lost all pressure. RIH and retrieved B.P. at 8670'. POOH. SION.

SITP & SICP 0 psi/14 hrs. Pumped 10 bbls. inhib. produced water down tubing and 20 bbls. inhib. produced water down annulus. POOH with straddle assembly. RIH with 5-1/2" model "G" Lok-Set B.P. and model "EA" retrievomatic big-bore packer on 2-7/8" tubing. Set B.P. at 8007'. Pressure tested B.P. to 2600 psi, O.K. Spotted 50 gals. 15% HCl w/NE & LST additives from 8580-8525'. P.U. and set 5-1/2" packer at 8458'. Swabbed F.L. to 4000'. SWION.

SITP & SICP 0 psi/14 hrs. Perforated Mississippian formation from 8571-8576' and 8553-8563' with 4 spf with 2" tbg. gun. F.L. 3990' increasing to 3940' while perforating. Swabbed Mississippian perms 8553-8563' and 8571-8576', recovering 34-1/2 bbls. fluid/3 hrs. with trace of oil. Acidized Mississippian perms 8553-8563' and 8571-8576' with 1200 gals. 15% HCl with 3 gals./1000 HAI-60, 3 gals./1000 Lo-Surf 259, and 100# BAF in two 600-gal. stages at average pressure of 2000 psi and rate of 6-1/4 bpm. Displaced with 51 bbls. inhib. produced water. ISIP 400 psi. 1 min. vacuum. J.C. at 3:45 p.m., on 1-18-86. Swabbed 42 bbls. fluid/2 hrs. cut 10% oil. H₂S 1200 ppm. Had strong gas blow after each run/10 mins. SION.

SITP 200 psi/14 hrs. Swabbed Mississippian perms 8571-8576' and 8553-8563' and recovered total of 125 bbls. fluid/6 hrs with cut 10-25% and steady. F.L. 3000-3500' and steady. Recovered total of 50 bbls. water, 31 bbls. oil, and 80 bbl. acid and water load. SION.

SITP 100 psi & SICP 0 psi/14 hrs. Bled T.P. to 0 psi/10 mins. Pumped 20 bbls. inhib. produced water down tubing. Released packer and RIH with 2-7/8" tubing to 8600' Reset B.P. at 8549' and packer at 8544'. Pressure tested B.P. to 2500 psi, O.K. Released big-bore packer and spotted 50 gals. 15% HCl w/NE and LST additives from 8543-8493'. Set packer at 8364'. Swabbed F.L. to 4000'. Perforated Mississippian formation from 8532-8536' with 4 spf with 2" tubing gun. F.L. 4050-3930' while perforating. Swab testing.

NAME	ACTION CODE(S)	INTL
NORM		27
TAMI	FILE, IF IN DRLG	
VICKY		UC
CLAUDIA		Cj
STEPHANE		cc
CHARLES		cc
RULA	2, IF NOT <u>IN DRLG</u>	Rem
MARY ALICE		MAT
CONNIE		(S)
MILLIE		
PAM		

Required Action Code

1. Data Entry
2. Filming
3. Posting
 - a. Card Index
 - b. File Label
 - c. Lists
4. Bonding Verification
5. Other (See Norm)

IF NOT IN DRLG, MAKE SURE NO
ZONE CHANGE. IF ZONE CHANGE,
SEE ME.

1/1

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

RECEIVED
FEB 20 1986

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or to recomplete wells. Use "APPLICATION FOR PERMIT" for such purposes.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-015269
2. NAME OF OPERATOR Union Oil Company of California		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 2620 - Casper, WY 82602-2620		7. UNIT AGREEMENT NAME Lisbon Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2204' FSL & 1922' FEL (NW SE)		8. FARM OR LEASE NAME Lisbon Unit
14. PERMIT NO. API No. 43-037-31074		9. WELL NO. C-715
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6156' GR (Ungraded)		10. FIELD AND POOL, OR WILDCAT Lisbon
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 15, T.30S., R.24E.
		12. COUNTY OR PARISH 13. STATE San Juan Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) SUPPLEMENTARY WELL HISTORY <input checked="" type="checkbox"/>	

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

17. **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.)*
8765' T.D.

Swabbed Mississippian perforations 8532-8536' and recovered total of 41 bbls. oil plus 132 bbls. water, and the 32-bbl. water and acid load. Had weak but steady gas blow while swabbing. (H₂S 8,000-11,000 ppm). Set retrievable bridge plug (RBP) at 8614'. Loaded tubing with 17 bbls. inhibited produced water and pressure tested RBP to 2500 psi, O.K. Dumped 1 sack of sand on RBP at 8614'. Tagged sand fill at 8610'. TOOH. TIH with RBP with retrievamatic packer on 2-7/8" tubing and set RBP at 8542'. Dumped 1 sack of 20-40 sand on top of RBP at 8542'. Tagged sand fill at 8537'. Cement squeezed Mississippian perms 8532-8536' with 75 sacks of class "G" cement with additives as follows: Loaded annulus with 44 bbls. inhibited produced water and pressure tested to 1000 psi, O.K. Loaded tubing with 21 bbls. inhibited produced water and established injection rate at 3 bpm at 700 psi. Mixed and pumped cement at 0-750-0 psi at 3 bpm. Displaced with 41 bbls. inhibited produced water at 3-0 bpm at 0-1600 psi. Held pressure steady for 10 mins. Released packer and reversed tubing clean with 55 bbls. inhibited produced water. Reversed 30 sacks of cement to surface. Pressured annulus to 500 psi and tubing to 1600 psi with 1/4 bbl. fluid. ISIP 1600 psi. 5 mins. 1600 psi. 30 mins. 1650 psi. Maximum PDP 1600 psi. CIP & J.C. at 10:00 a.m., 1-26-86. TOOH.

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

SIGNED R. G. Ladd, Jr. TITLE District Drilling Supt. DATE 2-14-86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ 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.

Union Oil Company of California
Lisbon Unit Well No. C-715
San Juan County, Utah
2-14-86
Page 2

TIH with 4-5/8" bit and 5-1/2" casing scraper on 2-7/8" tubing. Tagged top of cement at 8332'. R.U. swivel. Drilled soft to medium-firm cement from 8332-8457' and firm cement from 8457-8539'. Reverse circulated hole clean. Pressure tested squeezed Mississippian perfs 8532-8536' to 700 psi/20 mins., O.K. TOOH. TIH with retrievomatic packer with retrieving head on 2-7/8" tubing and set at 8507'. Swabbed and recovered 46-1/2 bbls. inhibited produced water. S.D. 1/2 hour with no fluid entry. Reset RBP at 8522'. Pressure tested RBP to 2500 psi, O.K. Spotted 50 gals. 15% HCl with additives from 8515-8470'. Pressured annulus to 500 psi, O.K.

Perforated Mississippian formation from 8483-8493', 8498-8504', and 8510-8514' with 4 spf with 2" tubing gun. Swabbed back 29 bbl. load plus 3 bbls. water with rainbow of oil & 5% B.S. S.D. 1/2 hr. w/150' rise. (H₂S 3000 ppm). Acidized Mississippian perfs 8483-8493', 8498-8504', and 8510-8514' with 2000 gals. 15% HCl with additives, using 300# BAF as diverter, in four 500-gallon stages at average rate of 5 bpm and pressure of 1600 psi. ISIP 0 psi. Swabbed and recovered the 99 bbl. water and acid load plus 53 bbls. water. Well gassing mildly after each run. (H₂S 2,500 ppm.) SION. Swabbed and recovered 40 bbls. formation water with 1% BS and trace of oil/2 hrs. (H₂S 12,000 ppm). Spotted 1-1/2 sacks of 20-40 sand from 8522-8517' with wireline dump bailer. Pressured annulus to 1000 psi. Squeezed Mississippian perfs 8483-8493', 8498-8504', and 8510-8514' with 200 sacks of class "H" cement with 5#/sack 20-40 sand as follows: Established injection rate at 600 psi at 5 bpm. Mixed and pumped 43 bbls. cement slurry and 9 bbls. water at 5 to 3-1/2 bpm at 0 psi. With cement on perfs, rate decreased from 3-1/2 to 1/4 bpm at 0-1000-900-1200-1600 psi. S.D., released packer and reverse circulated 72 sacks cement to surface. Pressured tubing to 1600 psi, O.K. Released 5-1/2" packer and TOOH.

P.U. 4-5/8" bit and 5-1/2" scraper and TIH on 2-7/8" tubing. Washed from 8300-8348'. Tagged firm cement at 8348'. Drilled firm to hard cement from 8348-8518'. Reverse circulated hole clean. Pressure tested squeezed Mississippian perfs 8483-8493', 8498-8504', and 8510-8514' to 750 psi/15 mins., O.K. POOH. RIH with retrieving head on "big bore" packer and set packer at 8360'. Pressured annulus to 500 psi, O.K. Swabbed and recovered 41 bbls. fluid/1-1/2 hours. Loaded tubing with 12 bbls. inhibited produced water.

Perforated Mississippian formation from 8483-8490' with 4 spf with 2" tubing gun. Swabbed and recovered 24 bbls. water with trace of oil/1-3/4 hrs. Acidized Mississippian perfs 8483-8490' with 500 gals. 15% HCl with additives, as follows: Spotted 500 gals. 15% acid from 8484-7950'. Pressured annulus to 500 psi, O.K. Displaced acid to perfs at 0 psi at 2 bpm. ISIP vacuum. Swabbed and recovered 63 bbl. water and acid load plus 411 bbls. water and 55 bbls. oil. TOOH.

P.U. retrieving head and hydrostatic bailer on 2-7/8" tubing. TIH, engaged RBP and TOOH. Laid down RBP and retrieving head. TIH with "big bore" retrievomatic packer on 2-7/8" tubing and set at 8546'. Swab tested Mississippian perfs 8553-8563' and 8571-8576' and recovered 32 bbls. water in 2 hours (no oil, gas, or H₂S). RIH and could not work past 8553'. POOH.

Union Oil Company of California
Lisbon Unit Well No. C-715
San Juan County, Utah
2-14-86
Page 3

TIH and tagged cement at 8553'. Pumped 20 sacks LCM down tubing at 4 bpm. Had blow on annulus with 55 bbls. pumped. Established full circulation with 75 bbls. pumped. Drilled with reverse circulation at 4 bpm with 3000# weight as follows: Drilled soft, unconsolidated cement from 8553-8558' and firm but scattered cement from 8558-8580'. Fell free from 8580-8603'. Drilled scattered cement from 8603-8610'. Stopped drilling at 8611'. Had full returns throughout drilling. Circulated crumbly cement followed by sand to surface. Rolled hole with 200 bbls. treated formation water. TOOH. TIH with 5-1/2" fullbore packer on 2-7/8" tubing to 8604'. Reverse circulated 60 bbls. treated formation water around packer at 1 bpm to 2 bpm. Had full returns after pumping 6 bbls. Did not have any LCM returned to surface. TOOH. TIH and tagged sand fill at 8611'. Washed with reverse circulation from 8611-8614' using 95 bbls. treated formation water. Circulated cement and sand to surface. TIH and set RBP at 8609'. Loaded tubing with 18 bbls. treated formation water and pressure tested RBP to 2000 psi for 15 mins., O.K. Swab tested Mississippian perms 8553-8563' and 8571-8576'. Recovered 36 bbls. water in 1-1/2 hrs. (no oil, gas, or H₂S). Preparing to reperforate Mississippian perms 8553-8563' and 8571-8576'.

NAME	ACTION CODE(S)	INTL
NORM		<i>N</i>
TAMI		<i>T</i>
VICKY		<i>VC</i>
CLAUDIA		<i>VC</i>
STEPHANE		<i>SB</i>
CHARLES		<i>CP</i>
RULA		<i>Rm</i>
MARY ALICE		<i>MALP</i>
CONNIE		
MILLIE		<i>MS</i>
PAM	<i>FILE</i>	

Required Action Code

1. Data Entry
2. Filming
3. Posting
 - a. Card Index
 - b. File Label
 - c. Lists
4. Bonding Verification
5. Other (See Norm)

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN TRIPPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

DR

5. LEASE DESIGNATION AND SERIAL NO.

U-015269

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Union Oil Company of California

3. ADDRESS OF OPERATOR
P. O. Box 2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
2204' FSL & 1922' FEL (NW SE)

RECEIVED
FEB 24 1986

DIVISION OF
OIL, GAS & MINING

7. UNIT AGREEMENT NAME
Lisbon Unit

8. FARM OR LEASE NAME
Lisbon Unit

9. WELL NO.
C-715

10. FIELD AND POOL, OR WILDCAT
Lisbon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 15, T.30S., R.24E.

14. PERMIT NO.
API No. 43-037-31074

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6156' GR (Ungraded)

12. COUNTY OR PARISH 13. STATE
San Juan Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input checked="" type="checkbox"/>	SUPPLEMENTARY WELL HISTORY <input checked="" type="checkbox"/>

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

17. 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.)*

8765' T.D.

Reperforated Mississippian from 8571-8576' and 8553-8563' with 2 spf using tubing gun. No gas or blow at surface. Swabbed Mississippian perforations 8553-8563' and 8571-8576'. Tagged fluid at 3800' (900' rise/14 hrs.). Recovered 28 bbls. water in 3-1/2 hrs, cut trace of oil, 2-1/2% to 3% solids, and slight gas blows after each run. F.L. 3800-8540'. Swabbed dry. Acidized Mississippian perforations 8553-8563' and 8571-8576' with 1250 gals. of 15% HCl acid with additives in five 250-gal. stages, dropping 50# BAF between stages, as follows: Loaded tubing with acid and 19 bbls. treated formation water at 4 bpm and 0-1500 psi. Pumped to perfs with 1st stage at 3-1/2 bpm at 1500-1350 psi, 2nd stage at 3-1/2 bpm at 1350-1400-1300 psi, 3rd stage at 3-1/2 bpm at 1300-1400 psi, 4th stage at 3-1/2 bpm at 1400-1200 psi, and 5th stage at 3-1/2 bpm at 1200-900-750 psi. Displaced with 49-1/2 bbls. treated formation water at 3-1/2 bpm. ISIP vacuum. J.C. at 11:30 a.m., 2-15-86. Swabbed Mississippian perfs 8553-8563' and 8571-8576'. Tagged fluid at 2000'. Swabbed 109 bbls. water/4 hrs, cut 0-8% oil, with trace of solids, and slight to moderate gas blows after each run (1500 ppm H₂S detected). F.L. 2000-2700' and steady. SWION.

(Continued on Attached Sheet)

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

SIGNED R. G. Ladd, Jr.

TITLE District Drilling Supt.

DATE 2-21-86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Union Oil Company of California
Lisbon Unit Well No. C-715
San Juan Co., Utah
2-21-86
Pg. 2

SITP 100 psi & SICP 0 psi/15 hrs. Bled T.P. to 0 psi/1 minute. Swabbed Mississippian perms 8553-8563' and 8571-8576'. Tagged fluid at 2500' (200' rise/15 hrs.). Swabbed 124 bbls. water/4-1/2 hrs., cut 27% to trace oil, with moderate gas blows after runs (6000 ppm H₂S detected). F.L. 2500-2700' and steady. Had 300' free oil on 1st run. Have recovered total of 11 bbls. oil plus 142 bbls. water and the 80 bbl. load. Released packer at 8540' and RIH, tagging fill at 8600'. Washed over, engaged and released RBP at 8609'. P.U. and set RBP at 8520' and packer at 8441'. Pressured annulus to 500 psi, O.K.

Swabbed Mississippian perms 8483-8490'. Tagged fluid at 2700'. Swabbed 32 bbls. fluid in 1-1/2 hrs., cut 30% oil, with LCM and moderate gas blows after each run (trace of H₂S detected). F.L. 2700-4700' and scattered. Recovered 23 bbls. water and 9 bbls. oil at 21 bph rate. SWION.

SITP 25 psi & SICP 500 psi/14 hrs. Checked F.L. at 2900' (1800' rise/14 hrs.) Swabbed perms 8483-8490' and recovered 20 bbls. fluid in 1 hour, cut 20% oil, 2% solids, and 78% water with LCM. F.L. 2900-4200' with weak gas blow and 3000 ppm H₂S. Treated perms 8483-8490' with 250 gals. 15% HCl acid with NE & LST additives as follows: Pumped 6 bbls. acid followed by prod. water, hitting pressure after pumping 24 bbls. fluid. Pumped acid to perms at 1/4 bpm at 750#. Pressure decreased to 350# at 1 bpm with acid on perms. Displaced with 4-1/2 bbls. prod. water. ISDP vacuum. Total load 80 bbls. Swabbed 125 bbls. fluid in 5-1/2 hours, cut trace to 5% oil, trace solids and 95% water, at 22-3/4 bph rate. F.L. 2000-3800' and steady with fair to moderate gas blow. SDON with well on 8/64" choke.

T.P. & C.P. 0 psi/14 hours. No recovery overnight; weak gas blow. Checked F.L. at 2700' (1400' rise/14 hrs.). Made one run and recovered 3 bbls. water, cut 30% oil in 1 hr. Had 150' free oil. F.L. 2700-3200'. (H₂S 8000 ppm) Rigged down swab. Released packer and retrieved B.P. TOOH with 2-7/8" tubing. Ran 4.5" gauge ring and wire line junk basket to 8669' O.K. SDON.

SICP Vacuum/19 hrs. Ran 5-1/2", Retrieva "D", wireline-set packer at 8541.33' (W.L. measurements). Ran and landed 278 jts. and 2 subs (8542.63') of 2-7/8" tubing at 8552.63' with 10,000# compression, with "F" nipple at 8537.74', Model "L" sliding sleeve at 8503.86', Model "FH" hydro-set packer at 8376.44', "F" nipple at 8375.44', and gas lift valves at 7710', 7403', 7105', 6801', 6493', 6030', 5345', 4366', and 3017', as follows: N.D. BOP. Landed tubing. N.U. Xtree. Dropped 1.5" trip ball. Pressured tubing to 1500# and set "FH" packer. Pressured tubing to 2000# to shear ball seat, O.K. Tested Xtree to 5000#, O.K. (The sliding sleeve at 8503.86' was run in the closed position. Open perms and squeezed perms 8483-8514' and 8532-8536' are isolated between the packers.) Released rig at 6:00 p.m., 2-19-86. Installing production equipment.

NAME	ACTION CODE(S)	INTL
NORM		<i>✓</i>
TAMI		
VICKY		
CLAUDIA	<i>1 - TAD, ENTITY</i>	<i>G</i>
STEPHANE		<i>h</i>
CHARLES		
RULA		
MARY ALICE		
CONNIE		
MILLIE		
PAM	<i>FILE</i>	

Required Action Code

1. Data Entry
2. Filming
3. Posting
 - a. Card Index
 - b. File Label
 - c. Lists
4. Bonding Verification
5. Other (See Norm)

WATCH FOR CR.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

del.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back.
Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED
MAR 03 1986
DIVISION OF OIL, GAS & MINING

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Union Oil Company of California

3. ADDRESS OF OPERATOR
P. O. Box 2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
2204' FSL & 1922' FEL (NW SE)

14. PERMIT NO.
API No. 43-037-31074

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6156' GR (Ungraded)

5. LEASE DESIGNATION AND SERIAL NO.
U-015269

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

UNIT AGREEMENT NAME
Lisbon Unit

FARM OR LEASE NAME
Lisbon Unit

9. WELL NO.
C-715

10. FIELD AND POOL, OR WILDCAT
Lisbon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 15, T.30S., R.24E.

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	FIRST DAY PRODUCTION NOTICE <input checked="" type="checkbox"/>
(Other) <input type="checkbox"/>			(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. 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.)*

In compliance with Onshore Oil and Gas Order No. 1, Union Oil Company of California hereby submits the following information:

Lisbon Unit Well No. C-715 was connected to production facilities and gas lift system on 2-22-86. On 2-22-86 and 2-23-86, the well produced all water.

First Production

2-24-86: Recovered 469 bbls. fluid with trace of oil in 24 hrs. (Injected 1000 MCF gas lift gas and recovered 965 MCF through separator.) C.P. 1050 psi & FTP 360 psi.

Note

Start-up of production was phoned in to Greg Noble, Petroleum Engineer, Bureau of Land Management, Moab, Utah, on 2-26-86.

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

SIGNED R. G. Ladd, Jr. TITLE District Drilling Supt. DATE 2-26-86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

GREAT LAND DIRECTIONAL DRILLING INC.

REPORT OF SUB-SURFACE DIRECTIONAL SURVEY

UNION OIL COMPANY OF CALIFORNIA
COMPANY

LISBON # 715
WELL NAME

SAN JUAN COUNTY, UTAH
LOCATION

RMC11-85-D77	SINGLE SHOT	JANUARY 3, 1986
JOB NUMBER	TYPE SURVEY	DATE

THIS IS A RECORD OF A SUB-SURFACE SURVEY OF YOUR WELL

We have retained a copy of your survey report in our files for your convenience; however, should you so desire, all copies of the survey report will be forwarded to you on written request. All surveys are kept in a locked file and are held in strictest confidence. Additional copies of your survey report can be made from the original by any blueprint company.

GREATLAND DIRECTIONAL DRILLING

COMPLETION REPORT

COMPUTED ON 01/03/86 USING RADIUS OF CURVATURE TECHNIQUE
 FROM SURVEY DATA TAKEN
 FINAL CLOSURE DIRECTION N 79.70 E
 SINGLE SHOT SURVEY

UNION OIL COMPANY OF CALIFORNIA
 LISBON # 715

RECORD OF SURVEY
 (WELL ASSUMED VERTICAL TO 90.0)

MEAS DEPTH	DRIFT		TRUVERT DEPTH	SUBSEA DEPTH	SECTION DIST	DIRECTION ANGLE	RELATIVE COORDINATES FROM WELL-HEAD		CLOSURE			DOG LEG des. 0		
	DG	MN					DISTANCE	DG	MN	S				
0	0	0	0.00	-6168.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0.000	
90	0	15	90.00	-6078.00	0.19	N 65.00 E	0.08 N	0.18 E	0.20	N 65	0	0	E	0.278
123	0	45	123.00	-6045.00	0.47	N 65.00 E	0.20 N	0.44 E	0.48	N 65	0	0	E	1.515
456	0	45	455.97	-5712.03	4.68	N 65.00 E	2.05 N	4.39 E	4.84	N 65	0	0	E	0.000
735	0	45	734.95	-5433.05	8.22	N 65.00 E	3.59 N	7.70 E	8.50	N 65	0	0	E	0.000
1023	1	0	1022.91	-5145.09	12.47	N 65.00 E	5.45 N	11.69 E	12.89	N 65	0	0	E	0.087
1126	1	15	1125.89	-5042.11	14.46	N 76.00 E	6.12 N	13.59 E	14.90	N 65	44	38	E	0.243
1341	2	0	1340.80	-4827.20	20.50	N 68.00 E	8.01 N	19.38 E	20.97	N 67	33	29	E	0.349
1560	2	30	1559.63	-4608.37	28.79	N 61.00 E	11.70 N	27.14 E	29.55	N 66	40	10	E	0.228
1770	3	15	1769.37	-4398.63	38.71	N 59.00 E	16.97 N	36.26 E	40.03	N 64	55	6	E	0.357
1991	4	15	1989.89	-4178.11	52.23	N 59.00 E	24.42 N	48.65 E	54.43	N 63	20	58	E	0.452
2203	5	0	2201.20	-3966.80	67.94	N 54.00 E	33.85 N	62.90 E	71.43	N 61	42	52	E	0.354
2420	5	30	2417.29	-3750.71	85.83	N 54.00 E	45.52 N	78.96 E	91.14	N 60	2	19	E	0.230
2482	6	0	2478.98	-3689.02	91.45	N 55.00 E	49.13 N	84.02 E	97.33	N 59	41	8	E	0.17
2766	7	15	2761.08	-3406.92	121.22	N 55.00 E	67.92 N	110.86 E	130.01	N 58	30	22	E	0.140
2921	8	15	2914.66	-3253.34	140.13	N 54.00 E	80.06 N	127.87 E	150.87	N 57	57	5	E	0.645
3045	8	30	3037.34	-3130.66	156.40	N 54.00 E	90.67 N	142.49 E	168.89	N 57	31	45	E	0.202
3167	9	0	3157.92	-3010.08	172.75	N 49.00 E	102.22 N	157.01 E	187.35	N 56	55	60	E	0.422
3290	11	30	3278.94	-2889.06	191.57	N 49.00 E	116.58 N	173.52 E	209.05	N 56	6	19	E	2.033
3363	11	45	3350.45	-2817.55	204.09	N 47.00 E	126.42 N	184.45 E	223.62	N 55	34	26	E	0.361
3430	9	0	3416.34	-2751.66	214.35	N 49.00 E	134.49 N	193.42 E	235.58	N 55	11	14	E	4.105
3491	7	30	3476.71	-2691.29	221.99	N 52.00 E	140.06 N	200.17 E	244.31	N 55	1	10	E	2.460
3556	6	36	3541.22	-2626.78	228.95	N 48.80 E	145.15 N	206.32 E	252.26	N 54	52	25	E	1.386
3604	5	42	3588.94	-2579.06	233.46	N 53.40 E	148.37 N	210.32 E	257.39	N 54	47	54	E	1.877
3666	7	12	3650.55	-2517.45	239.83	N 58.60 E	152.27 N	216.09 E	264.35	N 54	49	48	E	2.423
3788	8	0	3771.47	-2396.53	255.14	N 64.00 E	160.01 N	230.24 E	280.38	N 55	12	5	E	0.661
3818	8	0	3801.18	-2366.82	259.16	N 64.00 E	161.84 N	233.99 E	284.51	N 55	19	48	E	0.000
3848	8	18	3830.88	-2337.12	263.26	N 65.00 E	163.67 N	237.83 E	288.71	N 55	27	52	E	1.002

RECORD OF SURVEY

MEAS DEPTH	DRIFT DG MN	TRUVERT DEPTH	SUBSEA DEPTH	SECTION DIST	DIRECTION ANGLE	RELATIVE COORDINATES FROM WELL-HEAD		CLOSURE				DOG LEG des/100
								DISTANCE	DG	MN	S	
3881	8 0	3863.55	-2304.45	267.78	N 64.00 E	165.69 N	242.05 E	293.33	N 55	36 29	E	0.911
3904	8 0	3886.32	-2281.68	270.87	N 65.00 E	167.07 N	244.94 E	296.49	N 55	42 13	E	0.084
3912	8 6	3894.24	-2273.76	271.95	N 64.00 E	167.55 N	245.95 E	297.60	N 55	44 12	E	1.274
3944	6 30	3925.98	-2242.02	275.90	N 68.00 E	169.20 N	249.67 E	301.60	N 55	52 27	E	5.003
3976	5 24	3957.81	-2210.19	279.17	N 74.00 E	170.28 N	252.80 E	304.80	N 56	2 12	E	3.002
4006	4 36	3987.70	-2180.30	281.78	N 76.00 E	170.96 N	255.33 E	307.28	N 56	11 43	E	2.667
4026	5 18	4007.62	-2160.38	283.50	N 71.00 E	171.45 N	256.98 E	308.92	N 56	17 25	E	3.506
4037	6 6	4018.57	-2149.43	284.56	N 65.00 E	171.86 N	257.99 E	309.99	N 56	19 53	E	7.299
4067	6 24	4048.39	-2119.61	287.69	N 60.40 E	173.35 N	260.90 E	313.24	N 56	23 51	E	1.018
4098	5 6	4079.23	-2088.77	290.59	N 57.20 E	174.96 N	263.55 E	316.34	N 56	25 16	E	4.194
4127	3 48	4108.14	-2059.86	292.73	N 67.10 E	176.01 N	265.54 E	318.58	N 56	27 41	E	4.485
4159	4 24	4140.06	-2027.94	294.95	N 64.00 E	176.96 N	267.62 E	320.84	N 56	31 34	E	1.876
4190	6 18	4170.93	-1997.07	297.68	N 56.90 E	178.38 N	270.13 E	323.72	N 56	33 40	E	6.135
4221	7 54	4201.69	-1966.31	301.12	N 50.90 E	180.64 N	273.23 E	327.54	N 56	31 48	E	5.174
4252	7 48	4232.40	-1935.60	304.78	N 47.80 E	183.40 N	276.44 E	331.74	N 56	26 19	E	0.371
4284	6 18	4264.15	-1903.85	308.13	N 49.00 E	186.01 N	279.38 E	335.63	N 56	20 41	E	4.688
4314	5 48	4293.99	-1874.01	310.97	N 58.00 E	187.88 N	281.92 E	338.79	N 56	19 6	E	1.695
4346	5 12	4325.84	-1842.16	313.91	N 70.00 E	189.23 N	284.67 E	341.82	N 56	23 13	E	1.900
4377	5 24	4356.71	-1811.29	316.77	N 87.00 E	189.80 N	287.46 E	344.47	N 56	33 56	E	0.808
4398	5 24	4377.61	-1790.39	318.68	S 80.00 E	189.68 N	289.43 E	346.05	N 56	45 42	E	0.548
4409	5 24	4388.56	-1779.44	319.65	S 80.00 E	189.50 N	290.45 E	346.80	N 56	52 44	E	0.000
4439	4 42	4418.45	-1749.55	322.14	S 81.00 E	189.06 N	293.06 E	348.75	N 57	10 22	E	2.333
4470	4 42	4449.34	-1718.66	324.59	S 90.00 E	188.86 N	295.59 E	350.77	N 57	25 26	E	0.195
4501	4 30	4480.24	-1687.76	327.03	S 89.00 E	188.84 N	298.07 E	352.85	N 57	38 39	E	0.645
4532	3 54	4511.16	-1656.84	329.16	S 72.00 E	188.47 N	300.30 E	354.54	N 57	53 18	E	1.952
4561	4 12	4540.09	-1627.91	330.83	S 58.00 E	187.60 N	302.15 E	355.66	N 58	9 53	E	1.066
4592	5 36	4570.97	-1597.03	332.48	S 40.00 E	185.87 N	304.14 E	356.44	N 58	34 11	E	4.550
4622	6 36	4600.80	-1567.20	333.73	S 27.00 E	183.22 N	305.90 E	356.57	N 59	4 50	E	3.382
4653	6 0	4631.62	-1536.38	334.13	S 7.00 E	179.98 N	306.89 E	355.77	N 59	36 34	E	2.060
4684	6 54	4662.42	-1505.58	333.56	S 5.00 W	176.51 N	306.95 E	354.08	N 60	5 58	E	2.956
4715	7 36	4693.17	-1474.83	331.99	S 22.00 W	172.72 N	306.04 E	351.41	N 60	33 41	E	2.453
4747	7 48	4724.88	-1443.12	329.25	S 37.00 W	169.00 N	303.93 E	347.76	N 60	55 29	E	1.066
4793	7 54	4770.45	-1397.55	324.13	S 52.00 W	164.53 N	299.54 E	341.75	N 61	13 18	E	0.653
4855	7 42	4831.88	-1336.12	316.68	S 52.00 W	159.35 N	292.91 E	333.45	N 61	27 12	E	0.323
4949	7 48	4925.02	-1242.98	305.41	S 53.00 W	151.63 N	282.86 E	320.94	N 61	48 20	E	0.108
5073	7 42	5047.89	-1120.11	290.41	S 54.00 W	141.68 N	269.42 E	304.40	N 62	15 37	E	0.082

RECORD OF SURVEY

MEAS DEPTH	DRIFT DG MN	TRUVERT DEPTH	SUBSEA DEPTH	SECTION DIST	DIRECTION ANGLE	RELATIVE COORDINATES FROM WELL-HEAD		CLOSURE			DOG LEG deg/100
								DISTANCE	DG	MN	
5200	7 36	5173.76	-994.24	274.99	S 57.00 W	132.11 N	255.48 E	287.62	N 62 39 24	E	0.089
5326	7 30	5298.66	-869.34	259.66	S 58.00 W	123.21 N	241.52 E	271.14	N 62 58 16	E	0.081
5448	7 36	5419.61	-748.39	244.77	S 58.00 W	114.72 N	227.93 E	255.17	N 63 16 59	E	0.082
5570	7 6	5540.60	-627.40	230.17	S 60.00 W	106.68 N	214.55 E	239.61	N 63 33 42	E	0.111
5663	7 36	5632.84	-535.16	219.04	S 58.00 W	100.55 N	204.35 E	227.75	N 63 47 59	E	0.089
5906	7 45	5873.66	-294.34	188.78	S 59.00 W	83.60 N	176.68 E	195.46	N 64 40 43	E	0.062
6160	8 45	6125.03	-42.97	154.80	S 58.00 W	64.56 N	145.61 E	159.27	N 66 5 23	E	0.394
6350	9 0	6312.76	144.76	127.47	S 59.00 W	49.24 N	120.61 E	130.28	N 67 47 34	E	0.132
6568	10 0	6527.76	359.76	93.93	S 58.00 W	30.44 N	89.94 E	94.95	N 71 18 3	E	0.459
6650	10 30	6608.45	440.45	80.37	S 58.00 W	22.71 N	77.56 E	80.82	N 73 40 53	E	0.610
6744	9 30	6701.02	533.02	65.37	S 55.00 W	13.70 N	63.95 E	65.40	N 77 54 32	E	1.067
6831	9 15	6786.86	618.86	52.50	S 55.00 W	5.57 N	52.34 E	52.64	N 83 55 29	E	0.287
6960	9 45	6914.09	746.09	33.00	S 57.00 W	6.33 S	34.69 E	35.27	S 79 39 10	E	0.390
7050	10 0	7002.76	834.76	18.81	S 56.00 W	14.85 S	21.82 E	26.40	S 55 45 29	E	0.280
7147	10 0	7098.29	930.29	3.45	S 55.00 W	24.39 S	7.94 E	25.65	S 18 1 49	E	0.031
7254	10 0	7203.66	1035.66	-13.29	S 53.00 W	35.31 S	7.09 W	36.02	S 11 21 13	W	0.056
7340	9 45	7288.39	1120.39	-26.35	S 51.00 W	44.39 S	18.71 W	48.18	S 22 51 21	W	0.298
7557	10 0	7502.17	1334.17	-58.51	S 48.00 W	68.56 S	47.01 W	83.13	S 34 26 10	W	0.123
7650	10 30	7593.69	1425.69	-72.27	S 44.00 W	80.05 S	58.91 W	99.39	S 36 20 54	W	0.556
7743	11 0	7685.05	1517.05	-85.90	S 39.00 W	93.04 S	70.40 W	116.67	S 37 6 47	W	0.572
7867	10 15	7806.93	1638.93	-103.24	S 39.00 W	110.81 S	84.79 W	139.53	S 37 25 20	W	0.095
7929	9 30	7868.01	1700.01	-111.36	S 40.00 W	119.01 S	91.55 W	150.15	S 37 34 10	W	1.210
7960	9 30	7898.58	1730.58	-115.26	S 39.00 W	122.96 S	94.81 W	155.27	S 37 37 59	W	0.088
8053	8 45	7990.41	1822.41	-126.61	S 41.00 W	134.26 S	104.29 W	170.00	S 37 50 18	W	0.808
8115	8 30	8051.70	1883.70	-134.02	S 44.00 W	141.11 S	110.57 W	179.27	S 38 4 47	W	0.417
8238	6 15	8173.68	2005.68	-147.00	S 46.00 W	152.28 S	121.73 W	194.95	S 38 38 19	W	1.829
8331	5 30	8266.19	2098.19	-155.05	S 49.00 W	158.71 S	128.75 W	204.36	S 39 2 59	W	0.807
8454	5 0	8388.67	2220.67	-164.73	S 49.00 W	166.09 S	137.24 W	215.46	S 39 34 1	W	0.407
8725	4 0	8658.83	2490.83	-184.21	S 64.00 W	177.79 S	154.92 W	235.82	S 41 4 3	W	0.370

DATA INTERPOLATED FOR EVEN 100 FEET OF SUBSEA DEPTH

MEAS. DEPTH	TRU VERT DEPTH	SUB SEA DEPTH	MD-TVD DIFF.	VERTICAL CORRECT	RELATIVE COORDINATES FROM WELL-HEAD	
0	0	-6168	0	0	0.00	0.00
100	100	-6068	0	0	0.11 N	0.23 E
200	200	-5968	0	0	0.63 N	1.35 E
300	300	-5868	0	0	1.18 N	2.54 E
400	400	-5768	0	0	1.74 N	3.73 E
500	500	-5668	0	0	2.29 N	4.91 E
600	600	-5568	0	0	2.84 N	6.10 E
700	700	-5468	0	0	3.40 N	7.28 E
800	800	-5368	0	0	3.96 N	8.50 E
900	900	-5268	0	0	4.59 N	9.84 E
1000	1000	-5168	0	0	5.28 N	11.33 E
1100	1100	-5068	0	0	6.16 N	12.97 E
1200	1200	-4968	0	0	6.60 N	15.31 E
1300	1300	-4868	0	0	7.52 N	18.10 E
1400	1400	-4768	0	0	8.84 N	21.35 E
1500	1500	-4668	0	0	10.52 N	24.90 E
1600	1600	-4568	0	0	12.59 N	28.72 E
1701	1700	-4468	1	1	15.04 N	33.00 E
1801	1800	-4368	1	0	17.89 N	37.78 E
1901	1900	-4268	1	0	21.14 N	43.20 E
2001	2000	-4168	1	0	24.81 N	49.29 E
2101	2100	-4068	1	0	28.99 N	55.89 E
2202	2200	-3968	2	1	33.79 N	62.81 E
2302	2300	-3868	2	0	39.05 N	70.05 E
2403	2400	-3768	3	1	44.54 N	77.62 E
2503	2500	-3668	3	0	50.40 N	85.85 E
2604	2600	-3568	4	1	56.76 N	94.92 E
2705	2700	-3468	5	1	63.55 N	104.62 E
2805	2800	-3368	5	0	70.82 N	114.98 E
2906	2900	-3268	6	1	78.82 N	126.17 E
3007	3000	-3168	7	1	87.41 N	137.99 E
3108	3100	-3068	8	1	96.44 N	150.05 E
3210	3200	-2968	10	2	106.82 N	162.30 E
3311	3300	-2868	11	1	119.42 N	176.75 E
3413	3400	-2768	13	2	132.90 N	191.22 E

DATA INTERPOLATED FOR EVEN 100 FEET OF SUBSEA DEPTH

MEAS. DEPTH	TRU VERT DEPTH	SUB SEA DEPTH	MD-TVD DIFF.	VERTICAL CORRECT	RELATIVE COORDINATES FROM WELL-HEAD	
3514	3500	-2668	14	1	141.93 N	202.52 E
3615	3600	-2568	15	1	149.06 N	211.22 E
3716	3700	-2468	16	1	155.70 N	221.48 E
3817	3800	-2368	17	1	161.77 N	233.84 E
3918	3900	-2268	18	1	167.90 N	246.67 E
4018	4000	-2168	18	0	171.24 N	256.33 E
4119	4100	-2068	19	1	175.96 N	264.91 E
4219	4200	-1968	19	0	180.50 N	273.05 E
4320	4300	-1868	20	1	188.22 N	282.42 E
4420	4400	-1768	20	0	189.32 N	291.49 E
4521	4500	-1668	21	1	188.95 N	299.55 E
4621	4600	-1568	21	0	183.74 N	306.38 E
4722	4700	-1468	22	1	171.86 N	305.72 E
4823	4800	-1368	23	1	162.02 N	296.33 E
4924	4900	-1268	24	1	153.60 N	285.66 E
5025	5000	-1168	25	1	145.43 N	274.72 E
5126	5100	-1068	26	1	137.49 N	263.78 E
5226	5200	-968	26	0	130.20 N	252.56 E
5327	5300	-868	27	1	123.12 N	241.37 E
5428	5400	-768	28	1	116.10 N	230.14 E
5529	5500	-668	29	1	109.06 N	219.10 E
5630	5600	-568	30	1	102.82 N	208.04 E
5731	5700	-468	31	1	95.77 N	196.74 E
5832	5800	-368	32	1	88.54 N	185.38 E
5933	5900	-268	33	1	81.73 N	173.59 E
6034	6000	-168	34	1	74.38 N	161.49 E
6135	6100	-68	35	1	66.58 N	148.85 E
6236	6200	32	36	1	58.37 N	135.78 E
6337	6300	132	37	1	49.90 N	122.58 E
6438	6400	232	38	1	41.91 N	108.51 E
6540	6500	332	40	2	33.01 N	94.06 E
6641	6600	432	41	1	23.54 N	78.89 E
6743	6700	532	43	2	13.80 N	64.09 E
6844	6800	632	44	1	4.34 N	50.59 E
6946	6900	732	46	2	5.50 S	37.05 E

DATA INTERPOLATED FOR EVEN 100 FEET OF SUBSEA DEPTH

MEAS. DEPTH	TRU VERT DEPTH	SUB SEA DEPTH	MD-TVD DIFF.	VERTICAL CORRECT	RELATIVE COORDINATES FROM WELL-HEAD	
7047	7000	832	47	1	14.58 S	22.22 E
7149	7100	932	49	2	24.57 S	7.69 E
7250	7200	1032	50	1	34.93 S	6.58 W
7352	7300	1132	52	2	45.65 S	20.26 W
7453	7400	1232	53	1	56.75 S	33.55 W
7555	7500	1332	55	2	68.30 S	46.72 W
7656	7600	1432	56	1	80.90 S	59.72 W
7758	7700	1532	58	2	95.29 S	72.22 W
7860	7800	1632	60	2	109.83 S	84.00 W
7961	7900	1732	61	1	123.15 S	94.96 W
8063	8000	1832	63	2	135.38 S	105.25 W
8164	8100	1932	64	1	146.06 S	115.27 W
8264	8200	2032	64	0	154.26 S	123.75 W
8365	8300	2132	65	1	160.82 S	131.17 W
8465	8400	2232	65	0	166.74 S	137.98 W
8566	8500	2332	66	1	172.58 S	143.94 W
8666	8600	2432	66	0	178.50 S	148.87 W

LISBON # 715

01/03/86

DATA INTERPOLATED FOR EVEN 1000 FEET OF MEASURED DEPTH

----- MEAS. DEPTH -----	----- TRU VERT DEPTH -----	----- SUB SEA DEPTH -----	----- RELATIVE COORDINATES FROM WELL-HEAD -----	
1000	1000	-5168	5.28 N	11.33 E
2000	1999	-4169	24.76 N	49.22 E
3000	2993	-3175	86.78 N	137.13 E
4000	3982	-2186	170.90 N	254.84 E
5000	4976	-1192	147.46 N	277.36 E
6000	5967	-201	76.88 N	165.58 E
7000	6954	786	10.07 S	28.99 E
8000	7938	1770	128.04 S	98.85 W

Great Land Directional Drilling

Notes :

All values in feet.
Depths shown are TVD.

Closure: 236 ft at S 41 deg 4 min W

Bottom hole:

TVD 8659

TMD 8725

Magnetic declination: 14 deg E

HORIZONTAL VIEW

UNION OIL COMPANY OF CALIFORNIA

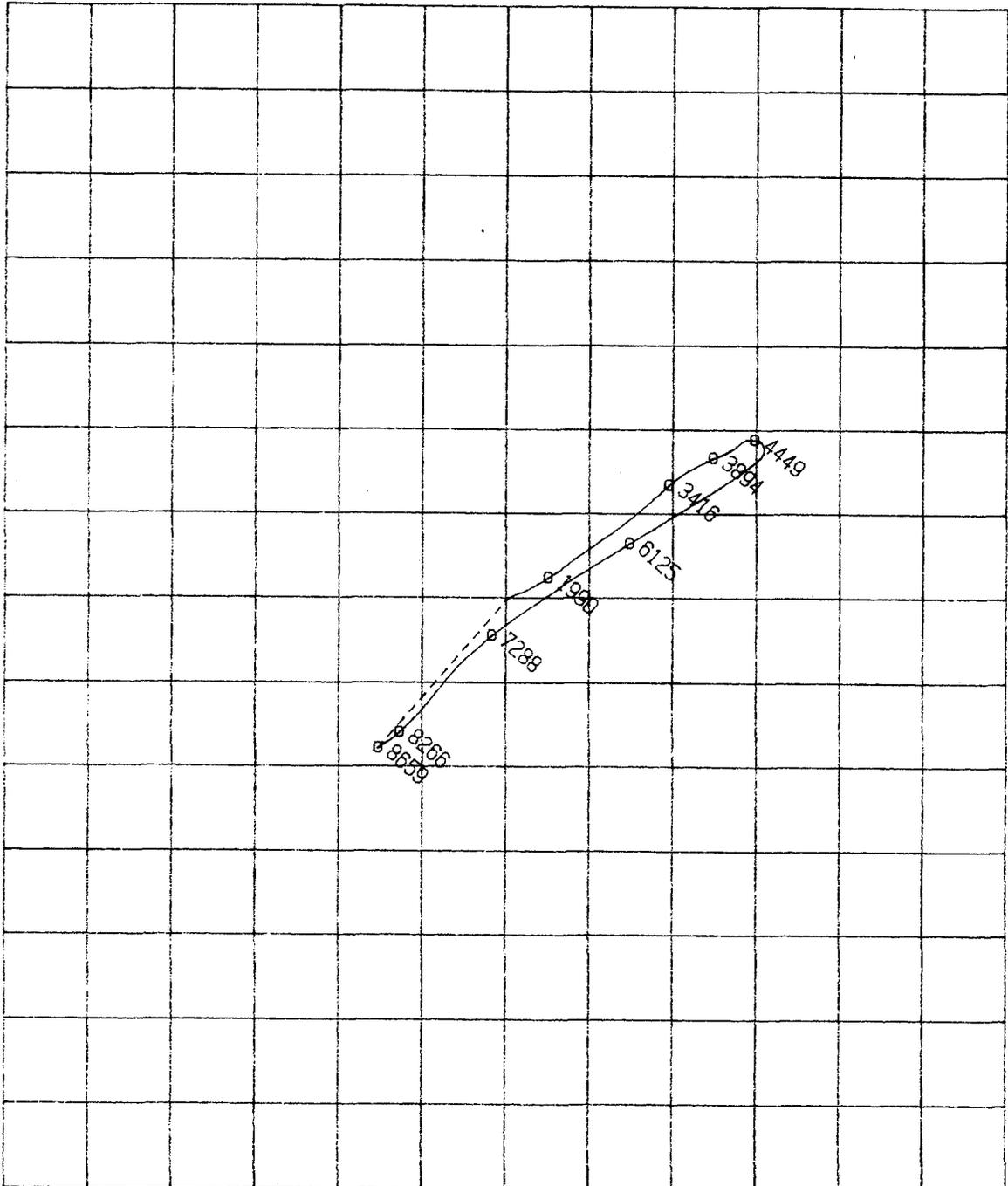
LISBON # 715

RADIUS OF CURVATURE

SINGLE SHOT SURVEY

SCALE : 1 inch = 200 feet

DRAWN : 01/03/86



Great Land Directional Drilling

VERTICAL SECTION

UNION OIL COMPANY OF CALIFORNIA

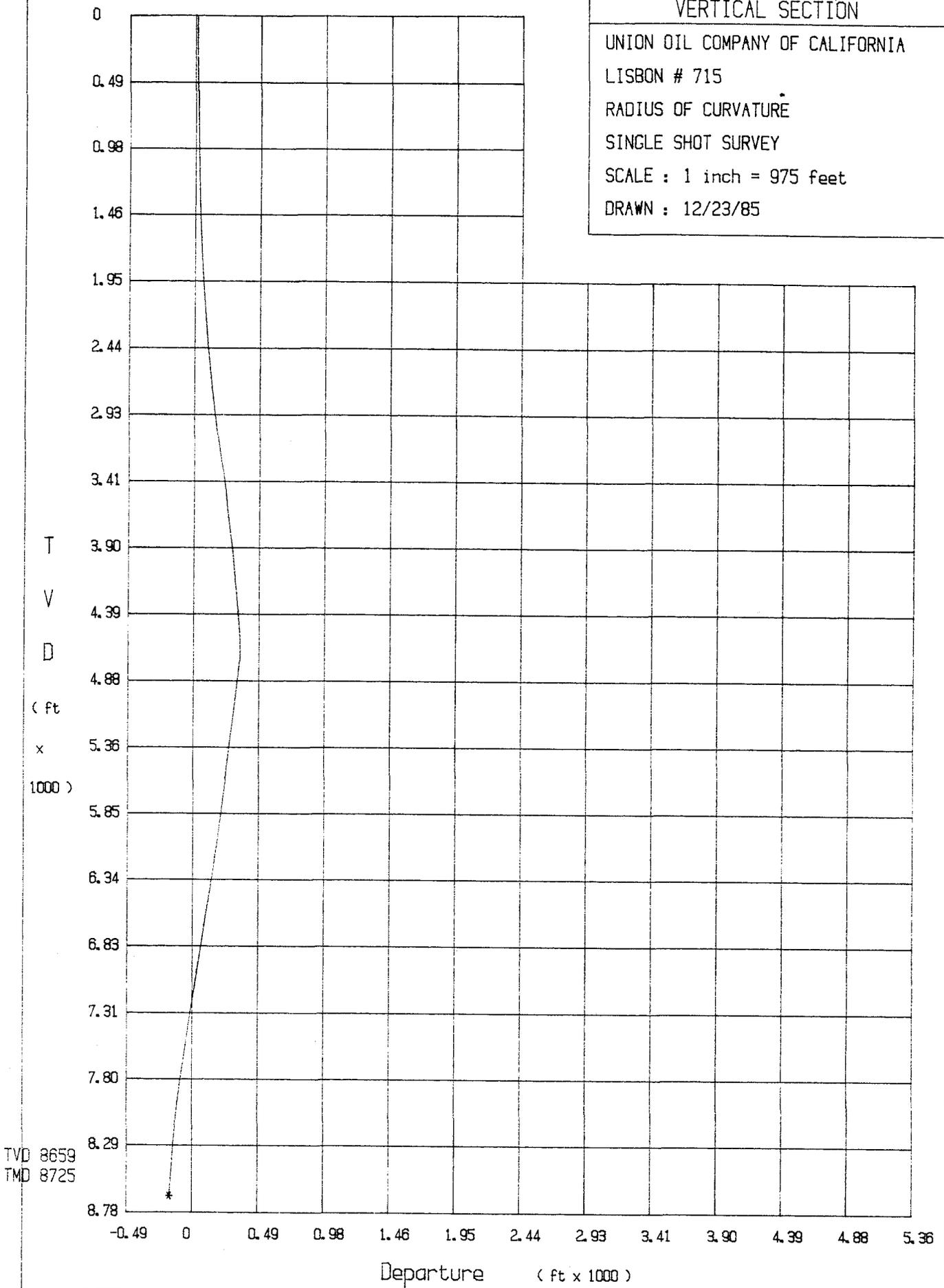
LISBON # 715

RADIUS OF CURVATURE

SINGLE SHOT SURVEY

SCALE : 1 inch = 975 feet

DRAWN : 12/23/85



TVD 8659
TMD 8725

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
4241 State Office Building
Salt Lake City, UT 84114

RECEIVED
MAR 03 1986

DIVISION OF
OIL, GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Lisbon Unit Well No. C-715

Operator Union Oil Co. of California Address P. O. Box 2620-Casper, WY 82602

Contractor VECO Drilling, Inc. Address P. O. Box 1705-Grand Junction, CO

Location NW 1/4 SE 1/4 Sec. 15 T. 30S. R. 24E. County San Juan 81502

Water Sands

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1.	No flowing water sands were encountered during drilling.		
2.			
3.			
4.			
5.			

(Continue on reverse side if necessary)

Formation Tops - Hermosa Group-2630', La Sal-3391', Paradox-3898', Paradox Salt-4228', Base Salt-8109', Pinkerton Trail-8159', Molas-8202', Redwall-8215', Ouray-8696'

Remarks

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

NAME	ACTION CODE(S)	INTL
NORM		
TAMI	3A	7
VICKY		
CLAUDIA	1 - TAB. ENTRY	
STEPHANE	1	
CHARLES		CP
RULA	2-WHOLE FILE, LOGS	Rym
MARY ALICE		
CONNIE		
MILLIE		
PAM	FILE, RELOCATE	

Required Action Code

1. Data Entry
2. Filming
3. Posting
 - a. Card Index
 - b. File Label
 - c. Lists
4. Bonding Verification
5. Other (See Norm)

THIS IS A DIRECTIONAL HOLE...
NOTICE LOCATIONS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

Dr. 10

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

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

2. NAME OF OPERATOR
Union Oil Company of California

3. ADDRESS OF OPERATOR
P. O. Box 2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (Report location clearly and in accordance with any State or Federal laws)
At surface 2204' FSL & 1922' FEL (NW SE)
At top prod. interval reported below 2036' FSL & 2061' FEL
At total depth 2025' FSL & 2071' FEL

RECEIVED
MAR 07 1986

DIVISION OF
OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.

U-015269

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Lisbon Unit

8. FARM OR LEASE NAME

Lisbon Unit

9. WELL NO.

C-715

10. FIELD AND POOL, OR WILDCAT

Lisbon

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 15, T.30S., R.24E.

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

15. DATE SPUDDED 11-8-85 16. DATE T.D. REACHED 12-21-85 17. DATE COMPL. (Ready to prod.) Rel. Rig 2-19-86 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6156' GR (Ungraded) 19. ELEV. CASINGHEAD 6157'

20. TOTAL DEPTH, MD & TVD 8765' 21. PLUG, BACK T.D., MD & TVD 8669' ETD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 0 - TD 24. ROTARY TOOLS - - - - - 25. CABLE TOOLS - - - - -

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 8483-8648' MD (8417-8582' TVD) - Mississippian-Redwell 25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN DLL-MSFL w/GR & CAL, LDT-CNL w/GR & CAL, Sonic, CNL w/GR, BHC C EAC 27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#	1016'	12-1/4"	450 sx	- - -
5-1/2"	20# & 17#	8764'	8-3/4"	1460 sx	- - -

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
- - -	- - -	- - -	- - -	- - -	2-7/8"	8553'	8541' (WL set) 8376' (Hydro-set)

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

(See Attached Sheet)

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(See Attached Sheet)	

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
2-24-86	Gas Lift	Producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
2-28-86*	24	- - -	→	6	185	879	30,833:1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
270 psi	1070 psi	→	6	185	879	59°	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) *Producing from 8553-8648' Reinjected for reservoir pressure maintenance. TEST WITNESSED BY J. L. Axtell

35. LIST OF ATTACHMENTS
Report of Sub-Surface Directional Survey Gas Lift Valves at 7710', 7403', 7105', 6801', 6493', 6030', 5345', 4366', & 3017'

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

SIGNED R. G. Ladd, Jr. TITLE District Drilling Supt. DATE 3-3-86

*(See Instructions and Spaces for Additional Data on Reverse Side)

860318 cp

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Cutler	(?)	2630'	Shale, shaley sandstone, and porous sandstone. (Porous sandstones are water wet. No tests.)	Hermosa Gp.	2630'	2626'
Hermosa	2630'	3391'	Sandstones, shales, and limestones. (Porous sandstones and limestones are water wet. No tests.)	La Sal	3391'	3378'
				Paradox	3898'	3880'
				Paradox Salt	4228'	4209'
				Base Salt	8109'	8046'
				Pinkerton Trail	8159'	8095'
La Sal	3487'	3491'	Limestone. (Water wet. No test.)	Molas	8202'	8138'
Paradox (Ismay Stage)	3992'	4008'	Limestone. (Water wet. No test.)	Redwall	8215'	8151'
				Ouray	8696'	8630'
Redwall	8225'	8472'	Tight limestone and porous dolomite. (Dolomite contains gas and minor oil. No tests.)			
Redwall	8482'	8550'	Dolomite. (Contains water and oil.)			
Redwall	8550'	8645'	Tight limestone and porous dolomite. (Dolomite contains oil with high water cut.)			
			No DST's.			
			<u>Note:</u> Blowout preventers tested daily in accordance with Union Oil Company policy and reported by drilling contractor on four sheets.			

Union Oil Company of California
Lisbon Unit Well No. C-715
Lisbon Field
San Juan County, Utah

31. Perforation Record (Interval, Size and Number):

(All in Mississippian Formation)

8483-8493')
8498-8504') - 4 spf w/2" tbg gun - Squeezed w/200 sx cmt
8510-8514')

8483-8490' - 4 spf w/2" tbg gun - Reperforated - Open

8532-8536' - 4 spf w/2" tbg gun - Squeezed w/75 sx cmt.

8553-8563')
8571-8576') - 4 spf w/2" tbg gun - Damaged due to cement
and LCM contamination.

8553-8563')
8571-8576') - 2 spf w/2" tbg gun - Reperforated - Open

8628-8648' - 4 spf w/4" csg gun - Open

Note: Sliding sleeve was set at 8503.86' in the closed position. Open perfs and squeezed perfs 8483-8514' and 8532-8536' are isolated between the packers.

32. Acid, Shot, Fracture, Cement Squeeze, etc.:

<u>Depth Interval</u>	<u>Amount and Kind of Material Used</u>
8628-8648'	2000 gals 15% HCl w/additives, using 150# BAF as diverter
8553-8576'	1200 gals. 15% HCl w/additives, and 100# BAF
8483-8514'	2000 gals 15% HCl w/additives using 300# BAF as diverter
8483-8490'	500 gals. 15% HCl w/additives
8553-8576'	1250 gals. 15% HCl w/additives and 200# BAF
8483-8490'	250 gals. 15% HCl acid w/additives

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-015269

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED
APR 03 1986

1. OIL WELL GAS WELL OTHER

UNIT AGREEMENT NAME

Lisbon Unit

2. NAME OF OPERATOR

Union Oil Company of California

FARM OR LEASE NAME

Lisbon Unit

3. ADDRESS OF OPERATOR

P. O. Box 2620 - Casper, WY 82602-2620

DIVISION OF
OIL, GAS & MINING

9. WELL NO.

C-715

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface

2204' FSL & 1922' FEL (NW SE)

10. FIELD AND POOL, OR WILDCAT

Lisbon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 15, T.30S., R.24E.

14. PERMIT NO.

API No. 43-037-31074

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6156' GR (Ungraded)

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) SUPPLEMENTARY WELL HISTORY

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

17. 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.)*

8765' T.D.; 8669' ETD
9-5/8" @ 1016' w/450 sx
5-1/2" @ 8764' w/1460 sx

Drilled in 1985

(See perms on attached sheet.)

Produced from perforations 8553-8648' from 2-24-86 through 3-4-86, recovering 37 BO + 7416 BW. Shut in at 9:00 a.m., 3-5-86.

Opened sliding sleeve to perforations 8483-8490' (blanking off perms 8553-8648'). Started well on gas lift at 3:45 p.m., 3-6-86. Produced from perms 8483-8490' from 3-6-86 through 3-12-86, recovering 41 BO + 3596 BW. Shut in on 3-13-86.

Moved Retrieval "D" packer to 8588' and set "FH" packer at 8429' with sliding sleeve closed. Isolated perforations 8483-8490', 8553-8563', and 8571-8576'. (Total water load 358 bbls.) Started testing perforations 8628-8648' by gas lift on 3-24-86. On 3-31-86, produced 23 BO + 34 BW in 24 hrs. (Have recovered a total of 173 BO and 332 bbls. of 358 bbl. water load.) Testing.

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

SIGNED

R. G. Ladd, Jr.
R. G. Ladd, Jr.

TITLE District Drilling Supt.

DATE 4-1-86

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Perforation Record (Interval, Size and Number):

(All in Mississippian Formation)

8483-8493')
8498-8504') - 4 spf w/2" tbg gun - Squeezed w/200 sx cmt
8510-8514')

8483-8490' - 4 spf w/2" tbg gun - Reperforated - Open

8532-8536' - 4 spf w/2" tbg gun - Squeezed w/75 sx cmt.

8553-8563')
8571-8576') - 4 spf w/2" tbg gun - Damaged due to cement
and LCM contamination.

8553-8563')
8571-8576') - 2 spf w/2" tbg gun - Reperforated - Open

8628-8648' - 4 spf w/4" csg gun - Open

Note: Sliding sleeve was set at 8503.86' in the closed position. Open perfs and squeezed perfs 8483-8514' and 8532-8536' are isolated between the packers.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-015269
2. NAME OF OPERATOR Union Oil Company of California		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 2620 - Casper, WY 82602-2620		7. UNIT AGREEMENT NAME Lisbon Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2204' FSL & 1922' FEL (NW SE)		8. FARM OR LEASE NAME Lisbon Unit
14. PERMIT NO. API No. 43-037-31074	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6156' GR (Ungraded)	9. WELL NO. C-715
		10. FIELD AND POOL, OR WILDCAT Lisbon
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 15, T.30S., R.24E.
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) Treatment <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. 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.)*

8765' T.D.; 8669' ETD
9-5/8" @ 1016' w/450 sx
5-1/2" @ 8764' w/1460 sx

Drilled in 1985
(See perms on attached sheet.)

Tested Mississippian perforations 8628-8648' by gas lift from 3-24-86 to 4-16-86, recovering the 358 BWL and a total of 475 BO + 380 BW.

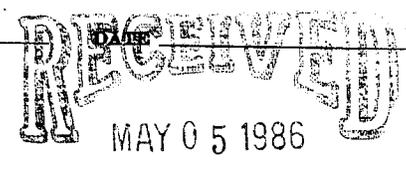
R.U. well service unit on 4-16-86. Treated Mississippian perforations 8628-8648' with 4000 gals. 2% KCl water with 20 gals. Losurf, 40 gals. FE-1A, and 40 gals. methanol. Flushed with 2350 gals. 2% KCl water (all fluid had 190,700 scf nitrogen), as follows: Pumped 4000 gals. of treatment at 3.5 bpm, nitrogen at 3.47 bpm, at 510-3100#. Flushed with 2% KCl at 3 bpm, nitrogen at 3.74 bpm, at 3100-3200#. ISDP 2400#. Turned well to pit immediately on 14/64" choke. Flowed well to pit at 370# T.P. Total load 151 bbls. water. Well died after 1-3/4 hrs. Produced well to pit to clean up an additional 7 hrs. using gas lift gas. Placed back on production to test by gas lift from perforations 8628-8648' on 4-17-86. Recovered load water on 4-21-86. Test Before Treatment: (4-15-86) - Produced 17 BO + 25 BW in 22 hrs. with 1015 MCF gas-lift gas. Test After Treatment: (4-28-86) - Produced 27 BO + 20 BW in 24 hrs. with 1096 MCF gas-lift gas. Testing and evaluating.

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

SIGNED R. G. Ladd, Jr. TITLE District Drilling Supt. DATE 4-29-86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY: _____



*See Instructions on Reverse Side

Perforation Record (Interval, Size and Number):

(All in Mississippian Formation)

8483-8493')
8498-8504') - 4 spf w/2" tbg gun - Squeezed w/200 sx cmt
8510-8514')

8483-8490' - 4 spf w/2" tbg gun - Reperforated - Open

8532-8536' - 4 spf w/2" tbg gun - Squeezed w/75 sx cmt

8553-8563')
8571-8576') - 4 spf w/2" tbg gun - Damaged due to cement
and LCM contamination.

8553-8563')
8571-8576') - 2 spf w/2" tbg gun - Reperforated - Open

8628-8648' - 4 spf w/4" csg gun - Open

Note: Set Retrieva "D" packer at 8588' and "FH" packer at 8429' with sliding sleeve closed. Perfs 8483-8490', 8553-8563', and 8571-8576' are isolated between the packers.

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-015269

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED
MAY 14 1986

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Union Oil Company of California

3. ADDRESS OF OPERATOR
P. O. Box 2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface

2204' FSL & 1922' FEL (NW SE)

DIVISION OF
OIL, GAS & MINING

7. UNIT AGREEMENT NAME

Lisbon Unit

8. FARM OR LEASE NAME

Lisbon Unit

9. WELL NO.

C-715

10. FIELD AND POOL, OR WILDCAT

Lisbon

11. SEC., T., E., M., OR BLK. AND SURVEY OR ARMA

Sec. 15, T.30S., R.24E.

14. PERMIT NO.

API No. 43-037-31074

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6156' GR (Ungraded)

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

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

17. 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.)*

8765' T.D.; 8669' ETD
9-5/8" @ 1016' w/450 sx
5-1/2" @ 8764' w/1460 sx

Drilled in 1985

(See perfs on attached sheet.)

MIRU well service unit on 5-1-86. Tested lines to 6000 psi. Treated Mississippian perforations 8628-8648' with 3000 gals. 7-1/2% HCl with 6 gals. A250 inhibitor, 9 gals. F78 surfactant, 18 gals. W52.1 non-emulsifier, 300 gals. U66 miscible solvent, 30 gals. U42 chelating agent, and 197,500 scf nitrogen, as follows: Loaded pump and piping with 3 bbls. produced water. Pumped 71 bbls. 7-1/2% HCl and 1500 scf/bbl. nitrogen at 3 bpm at 900 psi T.P., increasing to 2600 psi after 10 mins. and 2850 psi after 30 mins. Pumped 55 bbls. produced water at 2-1/2 bpm at 2850 psi to 3000 psi. Monitored casing pressure; had no change in pressure. Rigged down well service unit on 5-1-86. Produced well to pit for 2 hours. Had good show of oil. Produced well to pit for total of 3 hours. Switched well into flow line. (Producing from Mississippian perforations 8628-8648'.) Test Before Treatment: (4-28-86) - Produced 27 BO + 20 BW in 24 hrs. with 1096 MCF gas-lift gas. Test After Treatment: (5-7-86) - Produced 29 BO + 19 BW in 24 hrs. with 1010 MCF gas-lift gas.

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

SIGNED R. G. Ladd, Jr.

TITLE District Drilling Supt.

DATE 5-9-86

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

Perforation Record (Interval, Size and Number):

(All in Mississippian Formation)

8483-8493')
8498-8504') - 4 spf w/2" tbg gun - Squeezed w/200 sx cmt
8510-8514')

8483-8490' - 4 spf w/2" tbg gun - Reperforated - Open

8532-8536' - 4 spf w/2" tbg gun - Squeezed w/75 sx cmt

8553-8563')
8571-8576') - 4 spf w/2" tbg gun - Damaged due to cement
and LCM contamination.

8553-8563')
8571-8576') - 2 spf w/2" tbg gun - Reperforated - Open

8628-8648' - 4 spf w/4" csg gun - Open

Note: Set Retrieva "D" packer at 8588' and "FH" packer at 8429' with sliding sleeve closed. Perfs 8483-8490', 8553-8563', and 8571-8576' are isolated between the packers.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions reverse side)

070329

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME Lisbon Unit	
2. NAME OF OPERATOR Union Oil Company of California		8. FARM OR LEASE NAME Lisbon Unit	
3. ADDRESS OF OPERATOR P. O. Box 2620 - Casper, WY 82602-2620		9. WELL NO. C-715	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 2204' FSL & 1922' FEL (NW SE)		10. FIELD AND POOL, OR WILDCAT Lisbon	
14. PERMIT NO. API No. 43-037-31074		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 15, T.30S., R.24E.	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6156' GR (Ungraded)		12. COUNTY OR PARISH San Juan	
		13. STATE Utah	

RECEIVED
JUN 23 1986

DIVISION OF OIL, GAS & MINING

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO :

SUBSEQUENT REPORT OF :

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) ADD PERFS, ACIDIZE, AND TEST <input checked="" type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. 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.)*

8765' T.D.; 8669' ETD
9-5/8" @ 1016' w/450 sx
5-1/2" @ 8764' w/1460 sx

Drilled in 1985.

(See perfs on attached sheet.)

*To perforate and test an additional interval.

Logs indicate potential production from an interval that is higher than previously tested intervals. It is desired to set a bridge plug to isolate the lower intervals and to perforate and test the higher interval.

Proposed Plan of Procedure

- MIRU service unit. N.U. BOP's. Kill well with inhibited produced water.
- Release "FH" packer and POOH, laying down gas lift valves, packer and sliding sleeve.
- P.U. retrieving tool and TIH with 2-7/8" tubing. Engage and release Retrieva "D" packer. POOH and lay down packer and retrieving head.

(Continued on Attached Sheet)

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

SIGNED R. G. Ladd, Jr. TITLE District Drilling Supt. DATE 6-19-86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Federal approval of this action is required before commencing operations.

*See Instructions on Reverse Side

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

DATE: 7-10-86
[Signature]

Union Oil Company of California
Lisbon Unit Well No. C-715
Lisbon Field
San Juan County, Utah
6-19-86
Page 2

4. P.U. 5-1/2" retrievable bridge plug (RBP) and set at 8470'. Test RBP to 3000 psi. Spot 2 sacks of sand on top of RBP.
5. Spot 50 gals. 15% HCl acid with NE & LST additives from 8450-8400'. POOH with 2-7/8" tubing.
6. R.U. wireline. Perforate Mississippian formation from 8430-8450' with 4 spf using 4" casing gun.
7. P.U. retrievematic packer and TIH. Set packer at \pm 8300'.
8. Swab test Mississippian perforations 8430-8450'.
9. Acidize Mississippian perforations 8430-8450' with 2000 gals. 15% HCl acid with NE & LST additives and 150# benzoic acid flakes.
10. Swab to recover acid load and test.
11. Run production equipment.

Union Oil Company of California
Lisbon Unit Well No. C-715
Lisbon Field
San Juan County, Utah
6-19-86
Page 3

Perforation Record (Interval, Size and Number):

(All in Mississippian Formation)

8483-8493')
8498-8504') - 4 spf w/2" tbg gun - Squeezed w/200 sx cmt
8510-8514')

8483-8490' - 4 spf w/2" tbg gun - Reperforated - Open

8532-8536' - 4 spf w/2" tbg gun - Squeezed w/75 sx cmt

8553-8563')
8571-8576') - 4 spf w/2" tbg gun - Damaged due to cement
and LCM contamination.

8553-8563')
8571-8576') - 2 spf w/2" tbg gun - Reperforated - Open

8628-8648' - 4 spf w/4" csg gun - Open

Note: Set Retrieval "D" packer at 8588' and "FH" packer at 8429' with sliding sleeve closed. Perfs 8483-8490', 8553-8563', and 8571-8576' are isolated between the packers.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

070313

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

10

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED
JUN 23 1986

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Union Oil Company of California

3. ADDRESS OF OPERATOR
P. O. Box 2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations.
See also space 17 below.)
At surface
2204' FSL & 1922' FEL (NW SE)

14. PERMIT NO. API No. 43-037-31074

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6156' GR (Ungraded)

5. LEASE DESIGNATION AND SERIAL NO.
U-015269

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Lisbon Unit

8. FARM OR LEASE NAME
Lisbon Unit

9. WELL NO.
C-715

10. FIELD AND POOL, OR WILDCAT
Lisbon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 15, T.30S., R.24E.

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) ADD PERFS, ACIDIZE, AND TEST <input checked="" type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

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

17. 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.)*

8765' T.D.; 8669' ETD
9-5/8" @ 1016' w/450 sx
5-1/2" @ 8764' w/1460 sx

Drilled in 1985.
(See perfs on attached sheet.)

*To perforate and test an additional interval.

Logs indicate potential production from an interval that is higher than previously tested intervals. It is desired to set a bridge plug to isolate the lower intervals and to perforate and test the higher interval.

Proposed Plan of Procedure

- MIRU service unit. N.U. BOP's. Kill well with inhibited produced water.
- Release "FH" packer and POOH, laying down gas lift valves, packer and sliding sleeve.
- P.U. retrieving tool and TIH with 2-7/8" tubing. Engage and release Retrieva "D" packer. POOH and lay down packer and retrieving head.

(Continued on Attached Sheet)

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

SIGNED R. G. Ladd, Jr. TITLE District Drilling Supt. DATE 6-19-86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

Federal approval of this action is required before commencing operations.

*See Instructions on Reverse Side

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

DATE: 7-1-86

Union Oil Company of California
Lisbon Unit Well No. C-715
Lisbon Field
San Juan County, Utah
6-19-86
Page 2

4. P.U. 5-1/2" retrievable bridge plug (RBP) and set at 8470'. Test RBP to 3000 psi. Spot 2 sacks of sand on top of RBP.
5. Spot 50 gals. 15% HCl acid with NE & LST additives from 8450-8400'. POOH with 2-7/8" tubing.
6. R.U. wireline. Perforate Mississippian formation from 8430-8450' with 4 spf using 4" casing gun.
7. P.U. retrievematic packer and TIH. Set packer at ±8300'.
8. Swab test Mississippian perforations 8430-8450'.
9. Acidize Mississippian perforations 8430-8450' with 2000 gals. 15% HCl acid with NE & LST additives and 150# benzoic acid flakes.
10. Swab to recover acid load and test.
11. Run production equipment.

Union Oil Company of California
Lisbon Unit Well No. C-715
Lisbon Field
San Juan County, Utah
6-19-86
Page 3

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(All in Mississippian Formation)

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8498-8504') - 4 spf w/2" tbg gun - Squeezed w/200 sx cmt
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8483-8490' - 4 spf w/2" tbg gun - Reperforated - Open

8532-8536' - 4 spf w/2" tbg gun - Squeezed w/75 sx cmt

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and LCM contamination.

8553-8563')
8571-8576') - 2 spf w/2" tbg gun - Reperforated - Open

8628-8648' - 4 spf w/4" csg gun - Open

Note: Set Retrieva "D" packer at 8588' and "FH" packer at 8429' with sliding sleeve closed. Perfs 8483-8490', 8553-8563', and 8571-8576' are isolated between the packers.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions re-
verse side)
091103

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.
U-015269
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back a well. Use "APPLICATION FOR PERMIT" for such proposals.)

RECEIVED
SEP 09 1986
DIVISION OF
OIL, GAS & MINING

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Union Oil Company of California

3. ADDRESS OF OPERATOR
P. O. Box 2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

2204' FSL & 1922' FEL (NW SE)

14. PERMIT NO.
API No. 43-037-31074

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6156' GR (Ungraded)

7. UNIT AGREEMENT NAME
Lisbon Unit

8. FARM OR LEASE NAME
Lisbon Unit

9. WELL NO.
C-715

10. FIELD AND POOL, OR WILDCAT
Lisbon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 15, T.30S., R.24E.

12. COUNTY OR PARISH 13. STATE
San Juan Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

PERFORATED & ACIDIZED

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

17. 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.)*

8765' T.D.
9-5/8" @ 1016' w/450 sx
5-1/2" @ 8764' w/1460 sx

Drilled in 1985
(See perfs on attached sheet.)

MIRU well service unit on 8-22-86. Pumped 40 bbls. inhibited produced water down annulus. Annulus pressure went from 780 psi to vacuum. Pumped 15 bbls. down 2-7/8" tubing. T.P. went from 280 psi to vacuum. N.D. Xtree and N.U. BOP. Released 5-1/2" model "FH" packer at 8429'. Stung out of model "D" packer at 8588'. SWION.

SITP 20 psi & SICP 80 psi/14 hrs. Pumped 40 bbls. inhibited produced water down annulus and 15 bbls. down tubing with both going to vacuum. POOH and laid down packer, sliding sleeve, seal assembly, and gas lift valves. P.U. retrieving head for Model "D" packer and TIH on 2-7/8" tubing. Latched onto 5-1/2" Retrieval "D" packer at 8588'. Released packer and POOH. P.U. 5-1/2" retrievable bridge plug (RBP) and retrieving head and TIH on 2-7/8" tubing and set at 8470'. Pressure tested to 3000 psi, O.K. Dumped 1-3/4 sacks 20-40 sand on top of RBP from 8470-8455' using wireline dump bailer. RIH with 2-7/8" tubing to 8450'. Spotted 50 gals. 15% HCl acid with NE & LST additives from 8450-8400'. POOH.

(Continued on Attached Sheet)

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

SIGNED

R. G. Ladd, Jr.

TITLE

District Drilling Supt.

DATE

9-5-86

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Union Oil Company of California
Lisbon Unit Well No. C-715
Lisbon Field
San Juan County, Utah
9-5-86
Page 2

Perforated Mississippian formation from 8430-8450' with 4 spf using 4" casing gun. POOH.

RIH with 5-1/2" x 2-7/8" RTTS packer and set packer at 8304'. Pressured annulus to 1000 psi. Attempted to swab Mississippian perforations 8430-8450'. Swab would not go below 500' and stuck at 500'. Opened bypass on packer at 8304' and pumped 60 bbls. hot produced water down annulus. Attempted to free swab without success. Cut swab line at surface. Released packer at 8304' and POOH. Removed swab. RIH and reset packer at 8304'. Pressure tested annulus to 1000 psi, O.K. pumped 40 bbls. hot oil down tubing at 1 bpm with pressure increasing from 0-1000 psi. Cut paraffin with knife to 2100'. Swab tested Mississippian perforations (8430-8450'). Swabbed 55 bbls. fluid/1-1/2 hrs. Recovered 40 bbls. load oil and 15 bbls. water.

Acidized Mississippian perforations 8430-8450' with 2000 gals. 15% HCl acid with 3 gals./1000 Lo-Surf 259 and 4 gals./1000 HAL-60 in two 1000 gals. stages, dropping 150# BAF between stages, as follows: Pumped to spot, 51-3/4 bbls. acid and H₂O at 0-4 bpm at 0-1800 psi. Caught pressure with 25 bbls. away. 1st stage on perfs at 4-5 bpm and 1800-1200-1300 psi. Dropped BAF in last 200 gals. of 1st stage. 2nd stage on perfs at 5 bpm and 1300-1200 psi. Displaced with 51-3/4 bbls. inhibited formation water. ISDP 0 psi. Total load - 99-3/4 bbls. water. J.C. at 4:00 p.m., 8-27-86. Swabbed Mississippian perforations 8430-8450'. Swabbed 90 bbls. water/2 hrs., cut 0% oil. SWION.

SITP 20 psi & SICP 0 psi in 11 hrs. Swab tested Mississippian perforations 8430-8450'. Tagged F.L. at 3000', no change in 11 hrs. Swabbed 54 bbls. water/2-1/4 hrs., cut 0% oil. Had slight gas blows after swab runs (2500 ppm H₂S). Released packer at 8304' and POOH. Laid down packer.

Ran and landed 273 jts. (8367.38') of 2-7/8", 6.5#, J-55, EUE, 8RD, used tubing at 8377.38' with top of "FH" packer at 8368.35' and top of 2-7/8" seating nipple at 8367.50'. N.D. BOP. and N.U. Xtree. Dropped setting ball and set packer with 2300 psi. Released rig at 4:00 p.m., 8-28-86. Recovered load on 8-29-86.

Production Before WO: July 1986 average - 13 BOPD + 14 BWPD & 1347 MCFD gas.

Production After WO: (9-1-86) - Produced 0 BO + 175 BW in 21 hrs., with 1250 MCF gas lift gas, no formation gas.

Perforation Record (Interval, Size and Number):

(All in Mississippian Formation)

8483-8493')
8498-8504') - 4 spf w/2" tbg gun - Squeezed w/200 sx cmt
8510-8514')

8483-8490' - 4 spf w/2" tbg gun - Reperforated - Open

8532-8536' - 4 spf w/2" tbg gun - Squeezed w/75 sx cmt

8553-8563')
8571-8576') - 4 spf w/2" tbg gun - Damaged due to cement
and LCM contamination.

8553-8563')
8571-8576') - 2 spf w/2" tbg gun - Reperforated - Open

8628-8648' - 4 spf w/4" csg gun - Open

Note: Set Retrieval "D" packer at 8588' and "FH" packer at 8429' with sliding sleeve closed. Perfs 8483-8490', 8553-8563', and 8571-8576' are isolated between the packers.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or to plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

RECEIVED
AUG 8 1988

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Union Oil Company of California

3. ADDRESS OF OPERATOR
P. O. Box 2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
2204' FSL & 1922' FEL (NW SE)

14. PERMIT NO.
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6156' GR (Ungraded)

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U-015269

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7. UNIT AGREEMENT NAME
Lisbon Unit

8. FARM OR LEASE NAME
Lisbon Unit

9. WELL NO.
C-715

10. FIELD AND POOL, OR WILDCAT
Lisbon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 15, T.30S., R.24E.

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	(Other)	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
CHANGE PLANS	<input type="checkbox"/>		

(Other) Cement Squeeze Existing Perfs, Perf. Higher in Miss., & Test

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

17. 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.)*

8765' TD; 8470' ETD (See Details on Attached Well Schematic)

Lisbon Unit Well No. C-715 was completed in 1986. The well was extensively treated in the lower intervals, but was shut in due to excessive water production. Union Oil Company of California proposes to squeeze off all perforations and test the remaining pay in the well.

Proposed Plan of Procedure

- MIRU well service unit. R.U. H₂S safety equipment.
- Blow down tbg/csg annulus. Pump 45 bbls. prod. water down annulus and 20 bbls. down tubing. N.D. wellhead. N.U. BOP's.
- Release FH packer and POOH with 2-7/8" tubing and nine gas lift valves.
- RIH with retrieving head on 2-7/8" tubing, circulate sand off retrievable bridge plug (RBP) at 8470', latch onto RBP, and TOOH.
- R.U. wireline. RIH with EZ-SV cement retainer and set retainer at 8460'. POOH and R.D. wireline.

COPY

18. I hereby certify that the foregoing is true and correct
SIGNED John R. Underhill TITLE District Drilling Supt. DATE 8-4-88
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:
Federal approval of this action is required before commencing operations.
ACCEPTED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 8-15-88
BY: John R. Underhill
*See Instructions on Reverse Side

LISBON UNIT WELL NO. C-715
SAN JUAN COUNTY, UTAH

CASING DETAIL

9-5/8" 36# j55 & k55 @ 1016' w/ 450 SX
5-1/2" 17# & 20# 180 @ 8764' w/ 1460 SX

PBTD 8669', TD 8765'

TUBING DETAIL

5.00 2-3/8" perforated ball catcher
1.18 2-3/8" Baker hydrotrip
.80 2-7/8" x 2-3/8" 8rd eue xover w/ collar
6.30 Baker 5-1/2" x 2-7/8" "FH" pkr, 20,000# shear Pin
1.00 Baker "F" nipple 2.25 ID
4.13 Otis Orifice Valve
451.68 2-7/8" tbg
4.15 Otis GLV
449.44 2-7/8" tbg
4.15 Otis GLV
446.03 2-7/8" tbg
4.04 Otis GLV
456.73 2-7/8" tbg
4.10 Otis GLV
452.52 2-7/8" tbg
4.08 Otis GLV
519.84 2-7/8" tbg
4.08 Otis GLV
859.67 2-7/8" tbg
4.08 Otis GLV
1186.29 2-7/8" tbg
4.01 Otis GLV
3467.66 2-7/8" tbg
30.82 2-7/8" tbg w/ HBA wraparound

8371.78 273 JTS-Total Tubing
10.00 BKDB

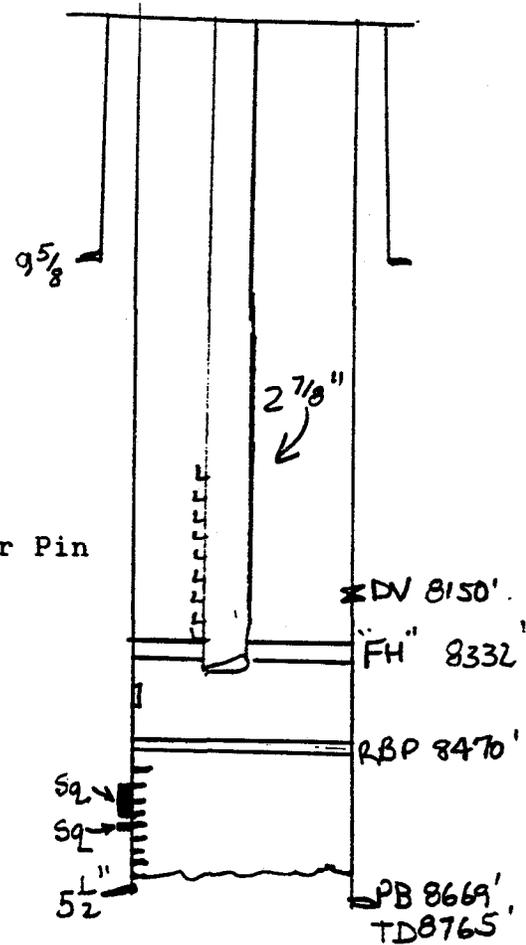
8381.78 FHD

PERMANENT EQUIPMENT IN HOLE

DV TOOL @ 8150'

RETRIEVABLE EQUIPMENT IN HOLE

Baker FH Packer @ 8382'
Baker 45A @ 8470'



WORKOVER BEFORE PLUGGING

Set RBP @ 8410' and Perf last porous interval

PERFORATION AND STIMULATION

Mississippian Perforations

8430-8450 4 SPFF Open
8483-8490 4 SPF * | * reperfed 4 SPF
8490-8493 4 SPF | _ Sq'd w/ 128 sx cmt
8498-8504 4 SPF |
8510-8514 4 SPF |
8532-8536 4 SPF SQ'd w/ 45 sx
8553-8563 6 SPF (4 + 2 REPERF)
8571-8576 6 SPF (4 + 2 REPERF)
8628-8648 4 SPF

6. TIH with stinger on 2-7/8" tubing and stab into retainer at 8460'. P.U. without removing latch and test tubing to 2000 psi. If O.K., establish injection rate down tubing.
7. Squeeze Mississippian perforations 8483-8490', 8553-8563', 8571-8576', and 8628-8648' with ± 100 sacks of cement. Sting out of retainer dumping excess cement to cover approximately 50' above perms 8430-8450'. POOH.
8. TIH with 4-1/2" bit on 2-7/8" tubing and drill out to 8430'. Circulate hole clean and pressure test squeeze to 1500 psi. (If it holds O.K., continue with Step No. 9. If pressure does not hold, POOH, P.U. EZ-SV cement retainer and set at approximately 8390' and squeeze Mississippian perms 8430-8450' with ± 50 sacks of cement. Sting out and POOH. Drill out to 8430' and pressure test.)
9. Perforate from 8380-8418' with 4" casing gun with 4 spf. RIH with treating packer on 2-7/8" tubing and set at 8330'. Swab well. If rates are low and/or well is swabbed down, release packer and circulate 250 gals. 15% HCl with NE and LST additives to bottom of tubing. Set packer and displace acid to perforations. If rates are insufficient, acidize perms with 2000 gals. 15% HCl with NE and LST additives. Swab test. If rates are not economical, squeeze perms with cement retainer. If rates and gas/oil are in reasonable amounts, kill well, release packer, and POOH.
10. Perforate from 8296-8310' with 4" casing gun with 4 jsfp.
11. P.U. RBP and packer on 2-7/8" tubing. TIH and set RBP at 8360'. Set packer at 8250'. Swab test. Follow procedure in Step No. 9 except acidize with 500 gals. 15% HCl on second step if 250 gals. spot acid is not effective. If zone is economical, kill well, latch onto RBP and P.U. to 8280' and set RBP, and set packer at 8150'.
12. Perforate from 8220-8230' with 2-7/8" tubing gun. Release packer and circulate down 500 gals. 15% HCl to packer. Reset packer and displace acid. Swab test. If rates are insufficient, acidize with 1000 gals. 15% HCl bullheaded in. Swab test.
13. Kill well, retrieve RBP and POOH.
14. RIH with production equipment, setting packer 50-60' above top perms. N.D. BOP. N.U. wellhead. Put well on production.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIP DATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Union Oil Company of California

3. ADDRESS OF OPERATOR
P. O. Box-2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations.
See also space 17. below.)
At surface
2204' FSL & 1922' FEL (NW SE)

14. PERMIT No.
API No. 43-037-31074

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6156' GR (Ungraded)

RECEIVED
DEC 05 1988

DIVISION OF
OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.
U-015269

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Lisbon Unit

8. FARM OR LEASE NAME
Lisbon Unit

9. WELL NO.
C-715

10. FIELD AND POOL, OR WILDCAT
Lisbon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 15, T.30S., R.24E.

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) RESUMING PRODUCTION <input checked="" type="checkbox"/>	

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

17. 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.)
8765' TD; 8425' PBTD

Lisbon Unit Well No. C-715 has been shut in since April, 1987 because of excessive water production. The existing perforations were squeezed, a higher interval (8380-8418') was perforated, and the well was returned to production.

In compliance with Onshore Oil and Gas Order No. 1, Union Oil Company of California hereby submits the following information:

Date of First Production After Resuming Production: 11-23-88.

Nature of Production: Returned well to production at 10:00 a.m., 11-23-88. Recovered 143 BO + 307 BW in 22 hours. (C.P. 1070 psi. T.P. 400 psi. Choke at 29/64". Sep. Pressure at 295 psi & gas at 992 MCFD rate. GLG at 992 MCF.)

Note

Notice of resuming production was phoned in to Dale Manchester, Bureau of Land Management, Moab, Utah, on 11-28-88.

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

SIGNED John R. Underhill TITLE District Drilling Supt. DATE 11-28-88

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO
U-015269

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

RECEIVED
JAN 30 1989

2. NAME OF OPERATOR
Union Oil Company of California

3. ADDRESS OF OPERATOR
P. O. Box 2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

DIVISION OF
OIL, GAS & MINING

2204' FSL & 1922' FEL (NW SE)

14. PERMIT NO.
API No. 43-037-31074

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6156' GR (Ungraded)

7. UNIT AGREEMENT NAME

Lisbon Unit

8. FARM OR LEASE NAME

Lisbon Unit

9. WELL NO.

C-715

10. FIELD AND POOL, OR WILDCAT

Lisbon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 15, T.30S., R.24E.

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other) Added Perforations

(Other)

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

17. 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.)*

(Union Oil Company of California received approval to squeeze the existing perforations and to perforate higher in the Mississippian formation from 8380-8418', 8296-8310', and 8220-8230'. After squeezing the existing perforations and perforating from 8380-8418', the well was returned to production on 11-23-88 making 143 BO + 307 BW in 22 hrs. However, production dropped to approximately 60 BOPD, and it was decided to re-enter the well to see if the gas lift valves were plugged. The valves were found to be okay, and it was decided to add the perforations 8296-8310' and 8220-8230'.)

MIRU pulling unit on 1-3-89. Pumped 60 bbls. produced water down tubing and 120 bbls. produced water down annulus. N.D. and removed production tree. N.U. BOP. Pressure tested BOP and pipe rams to 2000 psi on top of wraparound. TOOH with 2-7/8" tubing and laid down gas-lift valves and "FH" packer. (Gas lift valves appeared to be in good condition and were not plugged.)

Perforated Mississippian formation from 8296-8310' with 4" gun with 4 jsfp. P.U. retrievable bridge plug (RBP) and retrievematic packer and set RBP at 8360'. Pressured tested RBP and packer; held okay. Swabbed back 25 bbls. of 230-bbl. load water. POOH.

(Continued on Attached Sheet)

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

SIGNED John R. Underhill
John R. Underhill

TITLE District Drilling Supt.

DATE 1-25-89

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

Acidized Mississippian perforations from 8296-8310' with 1400 gals. 20% HCl with NE & LST and solid suspension additives. Broke down at 5250 psi and went on vacuum with 3 bbls. acid into perfs and stayed on vacuum the remainder of the job. Swabbed back 77 bbl. water load plus 10 BO and 226 BW. (Note: Received verbal approval from Jim Monroe, BLM, Moab, Utah, on 1-7-89 to squeeze perfs 8296-8310'.). Pumped 30 bbls. produced water down tubing. Released packer and POOH. RIH with open-ended tubing to 8324'. Trickled 4 cu. ft. of sand down tubing to fill 30' of casing over RBP. Tagged top of sand; found approximately 20' of sand on top of RBP. Squeezed Mississippian perfs from 8296-8310', as follows: Spotted 50 sacks of cement from 8322-7806'. Had partial returns to surface on annulus after 20-25 bbls. into job with partial returns throughout job. POOH. Pumped 6 bbls. produced water down tubing with no returns up annulus. POOH.

RIH with casing scraper and tagged cement at 8125'. R.U. power swivel and circulating unit. Drilled cement to 8315'. Circulated hole clean. Closed pipe rams. Pressure tested casing to 1500 psi/15 mins., O.K. Released pressure. Drilled 10' of cement. Rotated and circulated out sand on top of RBP. TOOH. Tested blind rams to 1000 psi, O.K. Perforated Mississippian formation from 8220-8230' with 4" guns with 4 jspf. P.U. retrievomatic packer with retrieving tool and TIH. Latched onto RBP and released same. P.U. to 8274' and set RBP. P.U. to 8243' and set packer. Pressure tested RBP to 1000 psi; held O.K. Released packer and P.U. to 8140'.

Acidized Mississippian perforations 8220-8230' with 1000 gals. 20% HCl with NE, LST and solid suspension additives, at 1.5 bpm to 1 bpm at 2500-2000-4200-3500-2080 psi. ISDP 2050 psi. 1990 psi/10 mins. Swabbed back 42 bbls. of 74 bbl. acid and water load. Released packer and RBP and TOOH.

P.U. production packer and nine gas-lift valves on 2-7/8" tubing. Landed in 2-7/8" x 5-1/2" wraparound with packer at 8146.31' and "F" nipple at 8145.21'. N.D. BOP and N.U. production tree on 1-15-89. R.D. and released rig on 1-16-89.

Production Before WO: (December 1988 Average) - 71 BOPD + 333 BWPD & 2100 MCFD gas.

Production After WO: (1-23-89) - 39 BOPD + 601 BWPD & 1486 MCFD sep. gas and 886 MCFD GLG. T.P. 320 psi. C.P. 1135 psi.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

10

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY
 b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESRV.

RECEIVED
FEB 06 1989
DIVISION OF OIL, GAS & MINING

2. NAME OF OPERATOR: Union Oil Company of California
 3. ADDRESS OF OPERATOR: P. O. Box 2620 - Casper, WY 82602-2620

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
 At surface: 2204' FSL & 1922' FEL (NW SE)
 At top prod. interval reported below: 2036' FSL & 2061' FEL
 At total depth: 2025' FSL & 2071' FEL

14. PERMIT NO.: API 43-037-31074 | DATE ISSUED: 10-1-84
 12. COUNTY OR PARISH: San Juan | 13. STATE: Utah

15. DATE SPUDDED: MIRU 11-3-88* | 16. DATE T.D. REACHED: 12-21-85 | 17. DATE COMPL. (Ready to prod.): Rel. Rig 1-16-89
 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*: 6156' GR (Ungraded) | 19. ELEV. CASINGHEAD: 6157'

20. TOTAL DEPTH, MD & TVD: 8765' | 21. PLUG, BACK T.D., MD & TVD: 8425' | 22. IF MULTIPLE COMPL., HOW MANY*:
 23. INTERVALS DRILLED BY: 0-TD (1985) | ROTARY TOOLS: | CABLE TOOLS: - - -

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 8220-8418' - Mississippian Fm.
 25. WAS DIRECTIONAL SURVEY MADE: Yes - In 1985

26. TYPE ELECTRIC AND OTHER LOGS RUN: Logs Run in 1985: DLL-MSFL w/GR & CAL, LDT-CNL w/GR & CAL, Sonic, CNL w/GR, BHC
 27. WAS WELL CORED: No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#	1016'	12-1/4"	450 sx (Cemented in 1985)	- - -
5-1/2"	20# & 17#	8764'	8-3/4"	1460 sx (Cemented in 1985)	- - -

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
- - -	- - -	- - -	- - -	- - -

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	8153.14'	8147.34'

31. PERFORATION RECORD (Interval, size and number)
(SEE ATTACHED SHEET)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
 DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED
 (SEE ATTACHED SHEET)

33.* PRODUCTION

DATE FIRST PRODUCTION: Resumed Production on 11-23-88.** | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump): Gas Lift | WELL STATUS (Producing or shut-in): Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
1-23-89***	24	- - -	→	39	1486	601	38,102:1

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
320 psi	1135 psi	→	39	1486	601	55.6°

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): Reinject for reservoir pressure maintenance. ***Producing from 8220-8418'
 TEST WITNESSED BY: J. L. Axtell

35. LIST OF ATTACHMENTS: Page 3 *MIRU on 11-3-88 to squeeze existing perfs & perf higher zone. Rel. rig on 11-22-88. MIRU on 1-3-89 to complete workover & rel. rig on 1-16-89.

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

SIGNED: John R. Underhill | TITLE: District Drilling Supt. | DATE: 1-28-89

*(See Instructions and Spaces for Additional Data on Reverse Side)

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Information from 1986 Well	Completion	Report	
Cutler	(?)	2630'	Shale, shaley sandstone, and porous sandstone. (Porous sandstones are water wet. No tests.)
Hermosa	2630'	3391'	Sandstones, shales, and limestones. (Porous sandstones and limestones are water wet. No tests.)
La Sal	3487'	3491'	Limestone. (Water wet. No test.)
Paradox (Ismay Stage)	3992'	4008'	Limestone. (Water wet. No test.)
Redwall	8225'	8472'	Tight limestone and porous dolomite. (Dolomite contains gas and minor oil. No tests.)
Redwall	8482'	8550'	Dolomite. (Contains water and oil.)
Redwall	8550'	8645'	Tight limestone and porous dolomite. (Dolomite contains oil with high water cut.)
			No DST's

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
From Logs Run in 1986		
Hermosa Group	2630'	2626'
La Sal	3391'	3378'
Paradox	3898'	3880'
Paradox Salt	4228'	4209'
Base Salt	8109'	8046'
Pinkerton Trail	8159'	8095'
Molas	8202'	8138'
Redwall	8215'	8151'
Ouray	8696'	8630'

14-	2-	1-TMS	DTS	JRB	DRN	OIL AND GAS
FILE	MICROFILM	ASST	SLD			

31. Perforation Record (Interval, Size and Number):

All in Mississippian Formation)

Perforated in 1986

8430-8450' - (Perfed during 9/86 WO) - Squeezed in 1988
8483-8493')
8498-8504') - Squeezed in 1986
8510-8514')
8483-8490' - Reperfed - Squeezed in 1988
8532-8536' - Squeezed in 1986
8553-8563')
8571-8576') - Reperfed in 1986 - Squeezed in 1988
8628-8648' - Squeezed in 1988

Perforated in 1988 & 1989

8380-8418' - 4 spf w/4" csg gun - Open
8296-8310' - Sqzd in 1989.
8220-8230' - 4 spf w/4" csg gun - Open

32. Acid, Shot, Fracture, Cement Squeeze, etc.:

<u>Depth Interval</u>	<u>Amount and Kind of Material Used</u>
8380-8418'	2000 gals 20% HCl w/additives
8296-8310'	1400 gals 20% HCl w/additives
8220-8230'	1000 gals 20% HCl w/additives

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

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.

P. O. Box 671----Midland, TX 79702 (915) 685-7608

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

NWSE Sec. 15, T30S, R24E
 2204' FSL & 1922' FEL

5. Lease Designation and Serial No.

U-015269

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

Lisbon Unit

8. Well Name and No.

Lisbon Unit #C-715

9. API Well No.

43-037-31074

10. Field and Pool, or Exploratory Area

Mississippian

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 checked="" type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input checked="" type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casine
	<input type="checkbox"/> Other _____
	<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.)

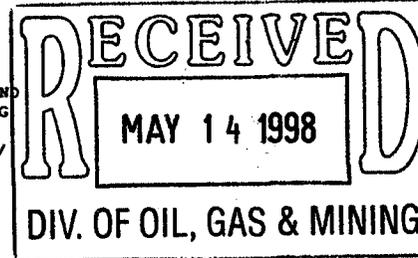
10/29/97 SITP & SICP 1100 PSI. MIRU BIG "A" RIG #8. DEPRESSURED WELL.

10/30/97 SITP 540 PSI & SICP 10 PSI. KILLED WELL W/ 120 BBLs 10# BRINE. ND WH. UNSEATED PKR & NU BOP. POH W/ 114 STDS 2-7/8" OD 6.5# L-80 BRD EUE TBG (6958') + 5 GLV'S.

10/31/97 SITP & SICP 0 PSI. OPENED WELL W/ SMALL GAS FLOW. KILLED WELL W/ 30 BBLs BRINE. POH W/ TBG, GLV'S & PKR. (NUMBERS ON GLV'S INDICATE THEY WERE NOT RUN IN PROPER SEQUENCE). RIH W/ CMT RET ON 2-7/8" TBG & SET RET @ 8104'. STUNG OUT OF RET & CIRC CSG W/ 160 BBLs BRINE. P-TEST CSG @ 500 PSI/10 MMIN, OK. STUNG IN RET & PUMPED 20 BBLs FRESH WATER ON VAC. PUMPED 10 BBLs FRESH WATER F/B 120 SX CL "G" CMT F/B 38 BBLs FRESH WATER. PRESS INCREASED TO 500 PSI. STUNG OUT OF RET & LD 26 JTS TBG. TBG ON VAC. REV CIRC TBG CLEAN. POH.

11/1/97 RU WEATHERFORD ENTERRA CSG JACKS & FREE POINT WL EQPT. PU 5-1/2" CSG. UNABLE TO UNSEAT CSG @ 200,000 LBS PU. WELDED SLIPS TO CSG & UNSEATED CSG/SLIPS W/240,000 LBS PU. STRETCH CALCULATIONS INDICATED FREE POINT TO BE APPROX 2000'. RU WL & RAN FREE POINT & DETERMINED CSG TO BE 100 % FREE @ 1465' & 90 % FREE @ 1506'. RD FREE POINT TRUCK & CSG JACKS. SECURED WELL. COMMENTS: BLM REPRESENTATIVE @ WELLSITE ADVISED THAT THE BLM OFFICE IN MONTICELLO HAD OVERLOOKED TWO ADDITIONAL CMT PLUGS THAT WILL BE INCLUDED IN THE "CONDITIONS OF APPROVAL" WHEN P&A OPERATIONS RESUME

11/4/97 RIH W/141 JTS 2-7/8" WS TO 4320'. MIXED & SPOTTED 19 SX CLASS B CMT PLUG @ 4320-4153'. POH W/WS. RIH W/WL PERF GUN & PERF 5-1/2" CSG @ 1116' W/4 JSPF. PPD 10# BRINE DOWN 5-1/2" CSG & ESTABLISHED CIRC TO SURF THRU 5-1/2" x 9-5/8" ANNULUS @ 3 BPM @ 75-100 PSI. MIXED & PPD 78 SX CLASS B CMT & DISP TO 916' LEAVING T/CMT @ 916' IN 5-1/2" CSG & ANNULUS. LD WS. SPOTTED 7 SX CMT PLUG IN T/5-1/2" CSG. CUT OFF WH & SPOTTED 12 SX CMT PLUG IN T/ANNULUS. J.C. @ 3:30 PM 11-3-97.



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

Signed Charlotte B. [Signature] Accepted by the Regulatory Clerk Date 2-26-98

(This space for Federal or State office) **Utah Division of Oil, Gas and Mining**

Approved by _____ Date _____
 Conditions of approval, if any.

FOR RECORD ONLY

**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

SUBMIT IN TRIPLICATE

<p>1. Type of Well</p> <p style="padding-left: 20px;">Oil <input type="checkbox"/> Well Gas <input type="checkbox"/> Well Other <input type="checkbox"/></p> <p><input checked="" type="checkbox"/> Well</p>	<p>7. If Unit or CA. Agreement Designation</p> <p align="center">Lisbon Unit</p>
<p>2. Name of Operator</p> <p align="center">Union Oil Company of California</p>	<p>8. Well Name and No.</p> <p align="center">C-715</p>
<p>3. Address and Telephone No.</p> <p align="center">P.O. Box 760 Moab, UT 84532 (435) 686-2236</p>	<p>9. API Well No.</p> <p align="center">43-037-31074</p>
<p>4. Location of Well (Footage, Sec., T., R., M., or Survey Description)</p> <p align="center">2204' FSL & 1922' FEL NWSE Sec 15, T30S, R24E</p>	<p>10. Field and Pool, or Exploratory Area</p> <p align="center">Mississippian</p>
	<p>11. County or Parish, State</p> <p align="center">San Juan, Utah</p>

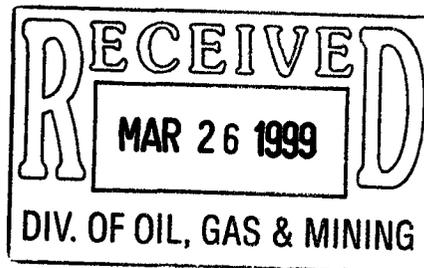
12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

(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.)*

All recontouring, shaping, and furrowing for seeding on the C-715 wellsite has been completed. Seeding was completed on 3-5-99



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

Signed *Phil J. Costanzo* Title Field Foreman Date 23-Mar-99

(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. 1004-013
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

SUBMIT IN TRIPLICATE

<p>1. Type of Well Oil <input type="checkbox"/> Gas <input type="checkbox"/> <input checked="" type="checkbox"/> Well <input type="checkbox"/> Well <input type="checkbox"/> Other</p>	<p>5. Lease Designation and Serial No. U-015269</p>
<p>2. Name of Operator Tom Brown, Inc.</p>	<p>6. If Indian, Allottee or Tribe Name</p>
<p>3. Address and Telephone No. P.O. Box 760 Moab, UT 84532 (435) 686-2236</p>	<p>7. If Unit or CA. Agreement Designation Lisbon Unit</p>
<p>4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NWSE Sec 15, T30S, R24E, 2204'FSL & 1922'FEL</p>	<p>8. Well Name and No. Lisbon Unit#C-715</p>
	<p>9. API Well No. 43-037-31074</p>
	<p>10. Field and Pool, or Exploratory Area Mississippian</p>
	<p>11. County or Parish, State San Juan Co., Utah</p>

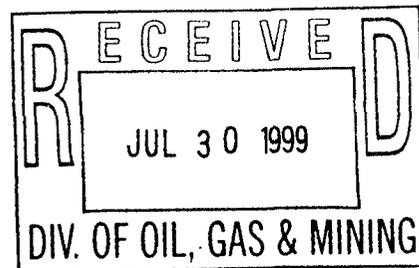
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input checked="" type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other _____
	<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.)*

This is the final abandonment notice. All reclamation work has been completed.



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

Signed *Paul J. Contarino* Title Field Foreman Date 26-Jul-99

(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.