

Dec. 30, 1964:

C-74 - Non Commercial - T.H.

(D-84 - High GOR - little oil
status will be shut-in (Possible future
insertion well or ^{gas production} after well depleted)

Oil Column lies between C-74 & D84

C-94 will not effectively drain acreage
to the north.

This well serves toward good
conservation because it will recover
oil that could otherwise be lost.

Verbal approval was therefore given
to Mr. P. G. Cochran (Dist Pet. Eng.)
in Cooper to proceed with Unit
development plans. It was
requested that he submit a
report for the necessity of drilling
the well - PGB

Copy H/C

SUBMIT IN DUPLICATE* (Other instructions on reverse side)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL [X] DEEPEN [] PLUG BACK []

b. TYPE OF WELL OIL WELL [X] GAS WELL [] OTHER [] SINGLE ZONE [X] MULTIPLE ZONE []

2. NAME OF OPERATOR The Pure Oil Company

3. ADDRESS OF OPERATOR P. O. Box 1611 - Casper, Wyoming

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface 2,690' FNL & 1,520' FEL, NW SE At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any) 1,150'

16. NO. OF ACRES IN LEASE 5,878.76 Part. Area 20,941.92 Unit Area

17. NO. OF ACRES ASSIGNED TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 900' SE of C-74

19. PROPOSED DEPTH 9,050'

20. ROTARY OR CABLE TOOLS

21. ELEVATIONS (Show whether DF, RT, GR, etc.) Ungraded ground - 6,440' APPROX. DATE WORK WILL START* January 12, 1965

23. PROPOSED CASING AND CEMENTING PROGRAM

Table with 4 columns: SIZE OF HOLE, SIZE OF CASING, WEIGHT PER FOOT, SETTING DEPTH. Rows include 24" hole with 20" casing, 15" hole with 10-3/4" casing, and 8-3/4" hole with 5-1/2" casing.

Propose to drill a Mississippian development well with rotary tools, and cement as necessary to an estimated total depth of 9,050'.

The objective pay is the Mississippian Formation.

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

SIGNED [Signature] L. K. Cogan TITLE District Chief Clerk DATE [Date]

PERMIT NO. APPROVAL DATE

APPROVED BY TITLE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

5. LEASE DESIGNATION AND SERIAL NO. U.S.A. U-015115
6. IF INDIAN ALLOTTEE OR TRIBE NAME
7. AGREEMENT NAME
8. AGREEMENT OR LEASE NAME
9. WELL NO.
10. FIELD AND POOL, OR WILDCAT
11. SEC., T., R., M. OR BDRG. AND SURVEY OR AREA
12. COUNTY OR PARISH AND STATE

50th YEAR



THE PURE OIL COMPANY

NORTHERN PRODUCING DIVISION • DISTRICT OPERATIONS
P. O. BOX 1611 • CASPER, WYOMING 82602 • AREA CODE 307-234-1565

December 30, 1964

Utah Oil & Gas Commission
348 East South Temple
Suite 301
Salt Lake City, Utah

Re: Development Well - C-84
NE NW SE Section 4
Township 30S, Range 24E

Gentlemen:

In confirmation of a telephone conversation with Mr. Paul Burchell, the location for the proposed Lisbon Unit Development Well C-84 was selected because the unit owners recognized a need to improve the reservoir drainage and to enlarge the area to be swept by gas in the pressure maintenance operation.

The location of the well is between Wells C-74 and D-84, both of which are shut in. Well C-74 is non-commercial and is temporarily abandoned. Well D-84 is shut in because it is a small oil producer and has an excessively high gas-oil ratio. Well C-84 should penetrate the Mississippian reservoir in the oil column thereby providing the most effective economic drainage.

Yours very truly,

P. F. Cochran
District Petroleum Engineer

PFC:maw

cc: Mr. Paul Burchell

THE PURE OIL COMPANY

LOCATION REPORT

Lisbon Field

A.F.E. No. 4882

Date December 10, 1964

Division Northern Producing

Prospect District Casper - Moab Area

Lease U.S.A. (Utah 015445)

5,878.76 Participating Area

Ung.Gr.

Lisbon Unit

Acres 20,941.92 Unit Area

Lease No. 8848

Elevation 6440

Well No. C-84 (Serial No.)

Quadrangle NW - SE

Sec. 4

Twp. 30S

Rge. 24E

Bk. Dist. Twp.

Survey Salt Lake Meridian

County San Juan

State Utah

Operator The Pure Oil Company

Map Utah 1-4

2690 Feet South of the North line of Section

1520 Feet West of the East line of Section

Feet of the line of

Feet of the line of

LEGEND

○ Location

☼ Gas Well

● Oil Well

☼ Gas-Distillate Well

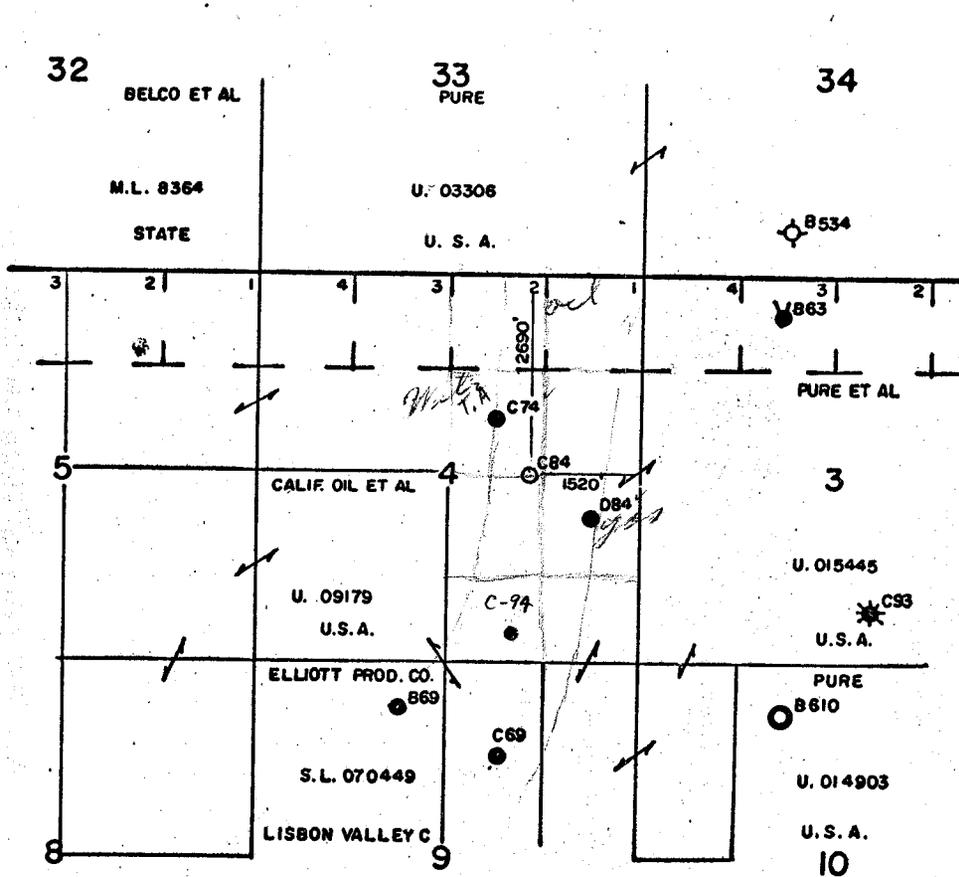
∅ or ○ Dry Hole

☼ Abandoned Location

☼ or ☼ Abandoned Gas Well

● or ● Abandoned Oil Well

○ or ○ Input Well



Scale 2" = 1 Mile

Remarks:

Submitted by *Res. L. Smith* Civil Engineer

Approved by _____ Division Manager

Approved by _____ Vice-President—General Manager

UNITED STATES
DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake
Lease Number USA U-015445
Unit Lisbon Unit

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field Lisbon

The following is a correct report of operations and production (including drilling and producing wells) for month of January, 19 65,

Agent's address P. O. Box 1611 Company THE PURE OIL COMPANY
Casper, Wyoming Signed R. E. Davis

Phone 234-1565 Agent's title District Office Manager

Sec. and 1/4 of 1/4	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In Thousands)	Gallons of Gasoline Recovered	Barrels of Water (If none, so state)	REMARKS: (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
			2690 ¹ FNL - 1520 ¹ FEL (NW SE)							
			Sec. 4, T.30S, R.24E							
			Gr. 6,441 ¹ - KB 6,452 ¹							
			LISBON UNIT WELL NO. C-81							
										Spud on January 17, 1965, drilled to 702'. Set 25 joints 10-3/4" OD 10.5# J-55 R-2 Casing at 702' with 400 sacks 50/50 Posmix. Drilled to 2,560' and twisted off on January 26, 1965. Recovered fish on January 29, 1965. Drilled to 2,958', drilling ahead, on January 31, 1965.
										Incomplete.

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold; No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

SN: /
Cadd

Copy of the C

PMB

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

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 type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Drilling Well	5. LEASE DESIGNATION AND SERIAL NO. U.S.A. U-015445
2. NAME OF OPERATOR The Pure Oil Company	6. INDIAN ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 1611 - Casper, Wyoming	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 2,690' FNL & 1,520' FEL, NW SE	8. FARM OR LEASE NAME Lisbon Unit
14. PERMIT NO.	9. WELLS NO. C-84
15. ELEVATIONS (Show whether DF, RT, GR, etc.) Ungraded ground 6,440'	10. FIELD AND POOL, OR WILDCAT Lisbon - Miss. - Dev.
	11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 4, 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 checked="" type="checkbox"/> Supplemental Well History	

(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.)*

Spudded at 3:30 a.m. 1-17-65 and drilled 15" hole to 702'.

On January 19, 1965, set 25 jts. of 10-3/4" OD 40.5# J-55 R-2 casing at 702' KB. Ran Howco guide shoe on bottom joint with Howco insert float valve in top of bottom joint. Centralizers in middle of 1st and 3rd joints and top of collars of 4th, 6th, 8th and 10th joints. Halliburton cemented with 400 sax 50-50 Pozmix with 2% calcium chloride added to mix, followed with 100 sax regular cement with 2% calcium chloride. Three sax gel flake blended with cement. Displaced with 68 bbls. of fresh water. Full returns. Cement circulated to surface. Plug down at 5:00 a.m. 1-20-65.

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

SIGNED *L. K. Coggan* TITLE **District Chief Clerk** DATE **1-20-65**

(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
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

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.)

<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Drilling Well</p> <p>2. NAME OF OPERATOR The Pure Oil Company</p> <p>3. ADDRESS OF OPERATOR P. O. Box 1611 - Casper, Wyoming</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2,690' FNL & 1,520' FEL, NW SE</p>	<p>5. LEASE DESIGNATION AND SERIAL NO. U.S.A. U-015145</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME Liabon Unit</p> <p>8. FARM OR LEASE NAME Liabon Unit</p> <p>9. WELL NO. O-81</p> <p>10. FIELD AND POOL OR WILDCAT Liabon - Miss. - Dev.</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 4, T-30S, R-24E S.L.P.M.</p> <p>12. COUNTY OR PARISH 13. STATE San Juan Utah</p>
<p>14. PERMIT NO.</p>	<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) L & S - GL 6,441' - KB 6,452'</p>

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 checked="" type="checkbox"/> Supplemental Well History	<input checked="" type="checkbox"/> X

(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 from 702' to 2,560'. Twisted off January 26, 1965, while drilling at 2,560', leaving 12 - 7" drill collars, 2 stabilizers, 5 jts. of 4-1/2" OD drill pipe and 11-1/2' stub of 4-1/2" drill pipe and bit in hole. Top of fish at 2,203'. Ran Dialog and backed off all of fish above drill collars, leaving 12 - 7" drill collars, 2 stabilizers and bit in hole. Ran 4-1/2" drill pipe open ended. Screwed into fish. Ran Dialog and backed off 4-1/2" drill pipe, leaving 1 jt. of 4-1/2" drill pipe in top of fish. Washed over from 2,208' to 2,336'. Ran drill pipe and screwed into fish. Backed off and recovered 1 jt. of 4-1/2" drill pipe and 6 - 7" drill collars. Washed over to 2,540'. Ran drill pipe, screwed into fish, broke circulation and recovered all of fish. Resumed drilling January 29, 1965.

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

ORIGINAL SIGNED BY
SIGNED R. E. DAVIS TITLE District Office Manager DATE Feb. 1, 1965

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U.S.A. U-015045

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 **Drilling Well**

2. NAME OF OPERATOR

The Pure Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 1611 - Casper, Wyoming

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

At surface
2690' FNL and 1520' FEL, NW SE

7. UNIT AGREEMENT NAME

Liabon Unit

8. FARM OR LEASE NAME

Liabon Unit

9. WELL NO.

C-84

10. FIELD AND POOL, OR WILDCAT

Liabon - Misa. - Dev.

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

**Sec. 8, T-36S, R-24E
S.L.P.H.**

14. PERMIT NO.

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

L & S - GL 6441'; KD 6452'

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

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.)*

SEE SUPPLEMENTAL SHEET ATTACHED

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

ORIGINAL SIGNED BY

SIGNED **R. E. DAVIS**
R. E. Davis

TITLE **District Office Manager**

DATE **March 10, 1965**

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

P. 12

SUNDRY NOTICES AND REPORTS ON WELLS

SUPPLEMENTAL SHEET

The Pure Oil Company
P. O. Box 1611 - Casper, Wyoming
2690' FNL and 1520' FEL, NW SE
Sec. 4, T-30S, R-24E
San Juan County, Utah

Lease No. U.S.A. U-015445
Lisbon Unit C-84
Supplementary Well History

March 10, 1965

Drilled from 2,560' to 8,963' TD. Drilling completed 3-7-65. Ran Schlumberger electric logs. Projected deviation TD - 241' from well bore with bearing N 65° 3' E, TVD 8955'.

LOG TOPS:

Top of Salt	4,733' (+1719)
Base of Salt	8,243' (-1791)
Lower Hermosa	8,244' (-1792)
Molas	8,418' (-1965)
Mississippian	8,460' (-2008)
Mississippian Dolo.	8,586' (-2134)
Ouray	8,950' (-2498)

On March 9, 1965 set 273 jts. of 5-1/2" OD casing at 8,963'. (See Casing Memo for details). Ran Weatherford TA scratchers throughout pay section, starting at 8,963' to 8,470'. Scratchers spaced 10' apart. Ran two Weatherford cementing baskets spaced 3' and 6' below Howco DV packoff collar. Ran 18 Howco centralizers starting at bottom of production casing. Ran 1 per joint up to first joint below Howco DV packoff. Ran 1 immediately below packoff, 1 - 10' above packoff, 1 - 1 jt. above packoff. Casing was reciprocated slowly 30 minutes prior to 1st stage cementing, throughout cementing and 15 minutes after cement was displaced. Lost small amount of mud on last 15 jts. of casing in hole. Cemented in two stages. 1st Stage: Cemented with 200 cu. ft. of 50-50 Pozmix, 2% gel, salt saturated, 3/4# CLR2 per sack added to mixed cement. Mixed 15.5# per gallon, 25 bbls. of mud flush was run as spearhead ahead of 1st stage. 1st stage displaced with drilling mud. Good returns. DV packoff was opened one hour after 1st stage. 2nd Stage: Cemented with 1757 cu. ft. of 50-50 Pozmix, 8% gel, salt saturated. Displaced with water. Good returns throughout. Did recover mud flush and no cement to surface. Job completed at 3:30 p.m. 3-9-65. Set slips on 5-1/2" casing and cut off pipe this morning 3-10-65.

CASING MEMO:

1 - Howco float guide shoe	1.69'
1 jt. 5-1/2" OD 17# 8 Rd. J-55 casing w/LT&C	26.51'
1 - Howco fillup collar with Howco insert float installed below fillup collar	1.84'
14 jts. 5-1/2" OD 17# J-55 casing w/LT&C	452.73'
1 - Howco DV packoff cementing collar	3.09'
46 jts. 5-1/2" OD 17# J-55 casing w/LT&C	1,503.43'
172 jts. 5-1/2" OD 15.5# J-55 casing w/LT&C	5,670.94'
40 jts. 5-1/2" OD 17# J-55 casing w/LT&C	1,310.40'
TOTAL	8,970.63'
Casing landed at 8,963' KB ✓	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U.S.A. U-015045

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Lieber Unit

8. FARM OR LEASE NAME

Lieber Unit

9. WELL NO.

C-81

10. FIELD AND POOL OR WILDCAT

Lieber - Miss. - Dev.

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

Sec. 4, T-30S, R-24E
S.L.P.H.

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

1. OIL WELL GAS WELL OTHER **Drilling Well**

2. NAME OF OPERATOR
The Pure Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 1611 - Casper, Wyoming

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
2690' FNL and 1520' FEL, NW SE

14. PERMIT NO.

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

L & S - OL 6441'; KB 6452'

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other)

PULL OR ALTER CASING
MULTIPLE COMPLETION
ABANDON*
CHANGE PLANS

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other) **Supplementary Well History**
(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

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.)*

8,963' TD; 8,922' PBTD

Barker Well Service moved in and rigged up 3-13-65. Tagged top of cement in two stage collar at 8,471'. Drilled out to 8,922' PBTD. Circulated and cleaned out well. Ran Gamma Ray Correlation and Collar Log. Perforated with two NCF2 cone shots per foot 8,830' - 8,846' and 8,862' - 8,874'. Ran Baker retrievable bridge plug and Model R-2 production packer on 2-7/8" tubing. Tagged bottom with bridge plug at 8,922'. Picked up 20'. Set bridge plug below all perforations. Set Baker Model R-2 packer at 8,852', between upper and lower perforated zones to test zone 8,862' - 8,874'. Swabbed well down to top of packer at 8,852'. Well started making very small amount of gas - 3' flare at end of burn line. Acidized using Barker Well Service pump and Dowell acid as follows: 100 gals. HMA; 150 gals. regular 15% HCl; 600 gals. 15% CRA; 400 gals. regular 15% HCl. Displaced with fresh water. With acid on formation, pressure rose slowly to 1500#. Acid started in formation at 1/4 bbl. per minute. Pressure bleeding off slowly. With 6-1/2 bbls. of acid in formation, at 1/4 bbl. per minute, pressure 160#. Pumped acid away at rate of 1/2 to 1 bbl. per minute with 100# pressure for full displacement. Stopped pump. Well on vacuum. Started pump. Overdisplaced with 5 bbls. Well on vacuum. Shut down for night. No evidence of communications throughout job. At 7:00 a.m. 3-17-65, tubing and casing dead.

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

ORIGINAL SIGNED BY

SIGNED R. E. DAVIS
R. E. Davis

TITLE District Office Manager

DATE 3-17-65

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Form approved.
Budget Bureau No. 42-R1424.

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 type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Drilling Well		5. LEASE DESIGNATION AND SERIAL NO. U.S.A. U-015445	
2. NAME OF OPERATOR The Pure Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P. O. Box 1611 - Casper, Wyoming		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 2690' FNL and 1520' FEL, NW SE		8. FARM OR LEASE NAME Lisbon Unit	
14. PERMIT NO.		9. WELL NO. C-84	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) L & S - GL 6441'; KB 6452'		10. FIELD AND POOL, OR WILDCAT Lisbon - Miss. - Dev.	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 4, T-30S, R-24E S.L.P.M.	
		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.)*

3-17-65: 8,963' TD; 8,922' PBTD
 Unseated Model R-2 packer and latched on to bridge plug. Set bridge plug at 8,852', between upper and lower perforations. Set Baker Model R-2 packer at 8,805'. Bottom of stinger below packer at 8,837'. Swabbed well down and made 8 runs with swab. Started picking up small amounts of gas on 5th run of swab. Swabbing from 5,000'. Fluid rising approximately 1,000' between runs. On 6th and 7th runs, column became gas cut and had small amount of oil on runs. On 8th run well started flowing. Flowing approximately 1/2 million cu. ft. of gas, oil and water not measured - going to pit. Flowed to pit 30 minutes. Gas flare remaining constant. Making small head of oil and water. Shut down to acidize.
 Acid Job No. 2 - Acidized perforations 8,830' - 8,846'. Filled annulus with fresh water. Pressured to 500#. Acidized using Barker Well Service pump and Dowell acid. Acidized with 200 gals. BDA followed by 1500 gals. regular 15% HCl. Displaced with fresh water. With acid 3 bbls. off formation, pressure increased from 0# to 1500#. Displaced fluid into formation at 1/4 bbl. per minute at 1300 - 1500# pressure. When acid hit formation, pressure broke slowly on 1st bbl. of acid into formation, from 1500# to 100#. Increased pumping rate from 1/4 to 1 bbl. per minute to keep up with the acid. Over displaced 5 bbls. Well on vacuum. Shut down for one hour. Unseated Model R-2 packer. Ran in hole. Latched on to bridge plug. Pulled tubing. Failed to retrieve bridge plug. Checked retrieving head. Started back in hole for retrievable bridge plug. Ran 30 stands of tubing in hole. Set Baker Model R-2 production packer. Shut down for night.

SIGNED R. E. Davis TITLE District Office Manager DATE 3-18-65
R. E. Davis

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Form approved. *[Signature]*
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U.S.A. U-015045

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Lisbon Unit

8. FARM OR LEASE NAME

Lisbon Unit

9. WELL NO.

C-84

10. FIELD AND POOL OR WILDCAT

Lisbon - Miss. - Dev.

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

**Sec. 4, T-308, R-2, E
S.L.P.M.**

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

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
The Pure Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 1611 - Casper, Wyoming

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

2690' PNL and 1520' PBL, NW SE

14. PERMIT NO.

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

L & S - OL 6441'; KB 6452'

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*

Supplementary Well History X
(NOTE: Report results of multiple completion of 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.)*

8,963' TD; 8,922' PBLD

Recovered retrievable bridge plug and dressed Model R-2 packer. Ran 3-7/8" OD plastic inter-lined production tubing in hole. Set Baker Model R-2 packer at 8,818'. Swabbed well in 3-18-65. Flowed to test tanks to clean up and turned to plant at 10:20 a.m. 3-21-65 on 16/64" choke. Testing continuing - Incomplete.

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

SIGNED

[Signature]
L. K. Coggan

TITLE

District Chief Clerk

DATE

3-25-65

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN REVERSE SIDE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U.S.A. U-015445

6. IF INDIAN ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Lisbon Unit

8. FARM OR LEASE NAME

Lisbon Unit

9. WELL NO.

C-34

10. FIELD AND POOL, OR WILDCAT

Lisbon - Misc. - Dev.

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

**Sec. 4, T-30S, R-24E
S. 1, 2, 3, 4**

12. COUNTY OR PARISH 13. STATE

San Juan Utah

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
The Pure Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 1611 - Casper, Wyoming

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
2,690' FNL and 1,520' FEL, NW SE

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)
L & S - GL 6,441'; KB 6,452'

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.)*

8,963' TD; 8,922' PHTD
I.P. for record 4-11-65. Flowed 24 hours, 32/64" chokes. Produced 710 bbls. of oil, no water, GOR 1108, TP 90%.

18. I hereby certify that the foregoing is true and correct
ORIGINAL SIGNED BY
SIGNED R. E. DAVIS TITLE District Office Manager DATE 4-29-65
R. E. Davis
(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
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

U.S.A. U-015415

6. IF INDIAN, ALIOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Lisbon Unit

8. FARM OR LEASE NAME

Lisbon Unit

9. WELL NO.

C-04

10. FIELD AND POOL, OR WILDCAT

Lisbon - Miss. - Dev.

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

Sec. 4, T-30S, R-24E
S.L.P.H.

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

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. Other

2. NAME OF OPERATOR

The Pure Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 1611 - Casper, Wyoming

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 2,690' FNL & 1,520' FNL, NW SE

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED

15. DATE SPUDDED 1-17-65 16. DATE T.D. REACHED 3-7-65 17. DATE COMPL. (Ready to prod.) 3-19-65 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* OL 6,441'; KB 6,452' 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 8,963' 21. PLUG, BACK T.D., MD & TVD 8,922' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 0'-8,963' ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Mississippian - 8,460' - 8,950' 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN Schlumberger Laterolog, Gamma Sonic and Caliper 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
10-3/4"	40.5#	702'	15"	500 sack	-0-
5-1/2"	17# & 15.5#	8,963'	8-3/4"	1957 sack	-0-

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-1/2"	8,825'	8,818'

31. PERFORATION RECORD (Interval, size and number)
Perfd with 2 HCF2 cone shots per foot
8,830' - 8,846' and 8,862' - 8,874'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8862'-8874'	1250 gals.
8830-8846'	1700 gals.

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
3-19-65		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
4-11-65	24	32/64"	→	740	820	-0-	1108
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
905	→	→	740	820	-0-	54.2	

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

35. LIST OF ATTACHMENTS
None

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

ORIGINAL SIGNED BY

SIGNED R. E. DAVIS

TITLE District Office Manager

DATE 4-21-65

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 83, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

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

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

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

DESCRIPTION, CONTENTS, ETC.

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Permian	2,516	2,720	Various porous zones - water bearing - not tested.
Mississippian	0,124		Various oil bearing porous zones

38. GEOLOGIC MARKERS

NAME	MEAS.	DEPTH	TOP	VERT. DEPTH
Top of Salt	1,733'			(2129)
Base of Salt	0,243'			(-179)
Lager Hermon	0,246'			(179)
Wojas	0,418'			(396)
Mississippian	0,560'			(508)
M.M.S. - Doba.	0,586'			(534)
Ouray	0,950'			(890)

APR 23 1965

*Aug 3 1954
W. K. G. Casper
Chairman*

PM

FORM OGCC-8-X

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
348 EAST SOUTH TEMPLE
SUITE 301
SALT LAKE CITY, UTAH

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number: Lisbon Unit C-84

Operator The Pure Oil Co., A Division of Union Oil Co. of California Address Box 1611-Casper, Wyo Phone 234-1565

Contractor Moran Bros., Inc. Address Wichita Falls, Texas Phone _____

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

Water Sands:

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1. <u>2,546'</u>	<u>3,720'</u>	<u>Various porous water sands - not tested. These</u>	
2. _____	_____	<u>various zones can be picked from the Schlumberger</u>	
3. _____	_____	<u>logs submitted.</u>	
4. _____	_____	_____	
5. _____	_____	_____	

(Continued on reverse side if necessary)

Formation Tops: **See reverse**

Remarks:

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

"OVER"

Drillers Log: (Continued)

LOG TOPS:

Top of Salt	4,733 (+1719)
Base of Salt	8,243' (-1791)
Lower Hermosa	8,244' (-1792)
Molas	8,418' (-1965)
Mississippian	8,460' (-2008)
Miss. - Dolo.	8,586' (-2134)
Ouray	8,950' (-2498)

Rule C-20 REPORTING OF FRESH WATER SANDS

It shall be the duty of any person, operator or contractor drilling an oil or gas well or drilling a seismic, core or other exploratory hole to report to the Commission all fresh water sands encountered; such report shall be in writing and give the location of the well or hole, the depth at which the sands were encountered, and the thickness of such sands, and the rate of flow of water if known.

October 14, 1965

The Pure Oil Company
P. O. Box 1611
Casper, Wyoming

Attention: Mr. R. E. Davis, District Office Manager

Re: Well No. Lisbon Unit C-84,
Sec. 4, T. 30 S., R. 24 E.,
San Juan County, Utah.

Gentlemen:

Reference is made to our letter of April 27, 1965, in which we requested Form OGCC-8-X, Report of Water Encountered During Drilling. As of this date we have not as yet received said information.

Please submit to this office said information as soon as possible.

Thank you for your cooperation.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

SHARON C. HINT
RECORDS CLERK

sch

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

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 Form 9-331-C 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. See space 17 below.)
AT SURFACE: 2690' FNL & 1520' FEL (NW SE)
AT TOP PROD. INTERVAL: Straight Hole
AT TOTAL DEPTH: Straight Hole

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

5. LEASE
U-015445

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Lisbon Unit

8. FARM OR LEASE NAME
Lisbon Unit

9. WELL NO.
C-84

10. FIELD OR WILDCAT NAME
Lisbon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 4, T.30S., R.24E.

12. COUNTY OR PARISH | 13. STATE
San Juan | Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6441' GL; 6452' KB

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input checked="" type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) <u>REPAIRING & ADDING PERFORATIONS</u>		
<u>(MISSISSIPPIAN)</u>		

MAR 9 8 1983
 DIVISION OF

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

8963' TD
10-3/4" @ 702'
5-1/2" @ 8963'

Drilled in 1965 by Pure Oil Co.
Perfs: 8830-8846'-Mississippian
8862-8874'-Mississippian

Killed well down tubing with 200 bbls. of produced water. 5-1/2" casing pressure 1500 psi, bled to slight blow in three hours. 10-3/4" casing bled through leak in nipple to zero psi in five hours. Pumped 150 bbls. of produced water down 5-1/2" casing at 3 bpm, 0# pressure. Rigged up well service unit on 1-18-83. SDON.

TP 1000 psi. Pumped 100 bbls. water down tubing and 125 bbls. water down casing. Removed wellhead and installed BOP. POOH with 2-7/8" tubing and

(CONTINUED ON ATTACHED SHEET)

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED R. G. Ladd, Jr. TITLE District Drilling Superintendent DATE 3-1-83

(This space for Federal or State office use)

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

Union Oil Company of California
Lisbon Unit Well No. C-84
San Juan County, Utah
3-1-83
Pg. 2

packer. Removed BOP's and tubing hanger spool and found no primary packing and all eight bolts on secondary packing broken. Drilled and tapped three holes. Reinstalled spool and BOP's. Repaired pack-off between 5-1/2" and 10-3/4" casing and tested to 1000 psi, O.K. Installed tubing spool and BOP's. RIH with 4-3/4" bit and scraper on 2-7/8" tubing and tagged ETD at 8918'. POOH with bit and scraper. RIH with packer and bridge plug on 2-7/8" tubing and set bridge plug at 8770'. Picked up one joint and tested packer to 1500 psi and annulus to 1000 psi, O.K. Pulled up to 8584' and spotted 250 gallons of 15% HCl with additives. POOH and ran Gamma-Ray-Collar Log from 8758-8100'. SDON.

Perforated Mississippian from 8568-8598' with four spf with casing gun. POOH. Picked up treating packer and retrieving tool, TIH, and set packer at 8431'. Pressured annulus to 600 psi. Established injection rate at 1/2 bpm at 1800 psi. Treated perforations, 8568-8598', with 3,000 gallons of 15% MSR acid. Final injection rate was 2.8 bpm at 1200 psi. ISIP 500 psi. Vacuum/1 min. Swabbed back 106 bbls. of load of 582 total load. SDON.

T.P. 700 psi. Blew well down. Swabbed 154 bbls. of water. Well kicked off and flowed to pit. Flowing stabilized at 3 MMCFD and 0 BW + 0 BO at 600 psi FTP. Recovered 350 bbls. of 582 bbl. water load.

Produced well at 3.18 MMCFD rate + 0.2 BW + 0 BO with FTP 600 psi on 1-31-83. SDON.

Shut in well at 7:00 a.m., 2-1-83. Killed well down tubing with 80 bbls. of Lisbon produced water. Checked annulus and found it full. Released packer and installed BOP's. Picked up additional tubing and retrieved bridge plug. POOH with packer and bridge plug. Picked up Model "R-3" packer and "MR-1" snap-set packer and RIH to bottom perforations. SDON.

Removed BOP's, picked up wellhead, and set Model "R-3" packer at 8759'. Pumped 100 bbls. of 1% treated water down annulus. Set Model "MR-1" snap-set packer at 8503'. Filled annulus with treated water. Flanged up wellhead and swabbed 160 bbls. of water with small amount of gas on last two runs. SDON.

SITP 300 psi. Swabbed 100 bbls. water and well kicked off. Returned to production on 2-3-83. making 200 BOPD, 125 BWPD, and 5.7 MMCFD at 990 psi FTP.

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

SUBMIT IN TRIPLE COPY
(Other instructions reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

U-015445

POW

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

070736

7. UNIT AGREEMENT NAME

Lisbon Unit

FARM OR LEASE NAME

Lisbon Unit

9. WELL NO.

C-84

10. FIELD AND POOL, OR WILDCAT

Lisbon

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

Sec. 4, T.30S., R.24E.

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

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 19 1987**

1. OIL WELL GAS WELL OTHER Shut In

2. NAME OF OPERATOR
Union Oil Company of California

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

**DIVISION OF
OIL, GAS & MINING**

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

2690' FNL & 1520' FEL (NW SE)

14. PERMIT NO.

43-037-16246

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

6441' GL; 6452' KB

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) Tested Lower Perforations

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.)*

8963' TD; 8595' ETD
10-3/4" @ 702'
5-1/2" @ 8963'

Drilled in 1965
Perfs: 8830-8846')
8862-8874')-Mississippian
8568-8598')

Purpose: To isolate lower perforations and test.

MIRU well service unit on 6-1-87. SITP 1480 psi. SICP 200 psi. Bled casing to 0 immediately. Pumped 120 bbls. produced water down tubing. Well on vacuum and casing dead. N.D. wellhead and N.U. BOP's. POOH with tubing and packers.

Ran Retrieva-D on wireline and set at 8857'. Ran and landed 2-7/8" tubing (with one 6' seal assembly and one 5' production tube) at 8866.37', "F" nipple at 8854.39', sliding sleeve at 8694.41', and Model FH packer at 8500.93'. N.D. BOP's. N.U. wellhead. Stung into Retrieva-D and set 20,000# compression. Pumped 85 bbls. packer fluid down annulus. Dropped ball down tubing. Pumped 35 bbls. packer fluid down tubing. Pressured to 1000 psi and set FH packer. Pumped 40 bbls. remaining packer fluid down annulus. Pressure tested FH packer to 700 psi, O.K. SDON.

(Continued on Attached Sheet)

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 6-17-87

(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-84
Lisbon Field
San Juan County, Utah
6-17-87
Page 2

SITP 50 psi/10 hrs. Swabbed 10 hrs. Recovered 140 bbls. of 820 BWL. SION.

SITP 11 hrs. 400 psi. Blew well down. Made 5 swab runs. F.L. 2000-800'. Well kicked off at 9:00 a.m., 6-5-87. Flowed well to tank to clean up. Shut well in to tie into production unit. Released rig on 6-5-87. Placed on production to test. (6-9-87 test) - Recovered 95 BO + 11 BW & 8722 MCFD sep. gas with 1025# FTP. Shut in.

Unocal Oil & Gas Divis
Unocal Corporation
900 Werner Court, P.O. Box 2620
Casper, Wyoming 82602-2620
Telephone (307) 234-1563

cc: Dianne
Lowell
R.S.

UNOCAL 76

October 22, 1987

RECEIVED
OCT 26 1987

DIVISION OF
OIL, GAS & MINING

State of Utah Natural Resources
Oil, Gas and Mining
3 Triad Center Suite 350
Salt Lake City, UT 84180-1203

Attention: William Moore

Re: Gas Leaking from Core
Holes
Lisbon Field
San Juan County, Utah

Dear Mr. Moore:

This will confirm my phone call to you on the morning of Wednesday, October 21, 1987 regarding the subject situation. As I said on the phone, we discovered gas venting from 3-4 core holes located in the vicinity of our Lisbon Unit Well No. D-84 about the first of October. We understand that these core holes were drilled by one of the mining companies and are 1100-1300 feet deep. Some of the holes were drilled many years ago and some were drilled fairly recently.

Gas flow from one hole has increased to about 230 MCFD and has a composition very similar to the Mississippian gas we produce from Lisbon Unit wells. Due to the volume and the hydrogen sulfide content of one percent, over 100 lbs per day of a hazardous substance is being released. We suspected the gas may have been coming from a leak in our Lisbon Unit No. D-84 gas injection well. Logging and pressure testing the casing, however, revealed no leaks. We have moved to Lisbon Unit No. C-84 and are testing for leaks there to see if it may be the source of the problem. All wells will be checked for possible leaks.

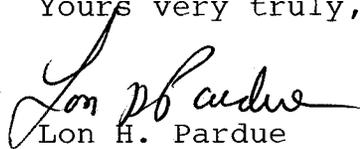
As I mentioned to you, there is a possibility that gas venting from these core holes could find its way into one of the mines in the area. If so, this would pose a serious threat to anyone entering or working in the mine. This is why I asked you to notify your counterparts in Mining so they would alert mine operators in the area to check for gas before entering and while working in the mines. Do you know if your mining people have contacted area mine operators yet regarding the situation?

State of Utah Natural Resources -
Oil, Gas and Mining
Page 2
October 22, 1987

On Tuesday afternoon late, I notified (by phone) Mr. George Kensley, San Juan County Fire Chief, Monticello, Utah of the situation. On Wednesday morning, October 21, 1987 I notified Mr. Monty Keller with the State of Utah Division of Environmental Health in Salt Lake City.

We will keep you advised of changes in the situation. If you need additional information, please call me at 307-234-1563 in Casper, Wyoming.

Yours very truly,



Lon H. Pardue
District Operations Manager

LHP:jh

UNDESIRABLE EVENT REPORT

Operator UNOCAL Lease U-015445

Well Number or Site Description Lisbon C-84

Sec. 4 T. 30S R. 24E Field Lisbon

County SAN JUAN Date/Time Rptd. 9:30 AM/Oct. 26, 1987

Event: Major Minor Fatalities/Injuries

Amount Spilled/Destroyed 1 MMCF/D Type Gas w H₂S

Date/Time of Spill NA Quantity Recovered NA

Cause Parted tubing and hole in casing down-hole. Venting through nearby
core holes 230 mcf/d and 1 mmcf/d each.

Area Affected (Extent and Type) several square miles; local mines may
contain gas (H₂S)

Surface Water Systems Affected Unknown

Control, Containment and Cleanup Red Adair on site since 10-24-87.

Remarks (attach additional sheets as required) Contacted 10-23-87 about minor
amount of gas coming from core hole and asked us to inform mining. Since
then down hole blow-out has escalated.

Reported by Keith - Unocal (686-2237)

Reported to William Moore

UNDESIRABLE EVENT REPORT

Operator UNOCAL Lease U-015445

Well Number or Site Description Lisbon C-84

Sec. 4 T. 30S R. 24E Field Lisbon

County SAN JUAN Date/Time Rptd. 9:30 AM/Oct. 26, 1987

Event: Major Minor Fatalities/Injuries _____

Amount Spilled/Destroyed 1 MMCF/D Type Gas w H₂S

Date/Time of Spill NA Quantity Recovered NA

Cause Parted tubing and hole in casing down-hole. Venting through nearby core holes 230 mcf/d and 1 mmcf/d each.

Area Affected (Extent and Type) several square miles; local mines may contain gas (H₂S)

Surface Water Systems Affected Unknown

Control, Containment and Cleanup Red Adair on site since 10-24-87.

Remarks (attach additional sheets as required) Contacted 10-23-87 about minor amount of gas coming from core hole and asked us to inform mining. Since then down hole blow-out has escalated.

Reported by Keith - Unocal (686-2237)

Reported to William Moore

**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

111705

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.)

<p>1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Shut In</p> <p>2. NAME OF OPERATOR Union Oil Company of California</p> <p>3. ADDRESS OF OPERATOR P. O. Box 2620 - Casper, WY 82602-2620</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2690' FNL & 1520' FEL (NW SE)</p> <p>14. PERMIT NO. 43-037-16246</p>	<p>5. LEASE DESIGNATION AND SERIAL NO. U-015445</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME POW</p> <p>7. UNIT AGREEMENT NAME Lisbon Unit</p> <p>8. FARM OR LEASE NAME Lisbon Unit</p> <p>9. WELL NO. C-84</p> <p>10. FIELD AND POOL, OR WILDCAT Lisbon</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 4, T.30S., R.24E.</p> <p>12. COUNTY OR PARISH San Juan</p> <p>13. STATE Utah</p>
<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6441' GL; 6452' KB</p>	

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) UNDESIREABLE EVENT <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.)*

8963' TD
10-3/4" @ 702'
5-1/2" @ 8963'

Perfs: 8830-8846')
8862-8874')-Mississippian
8568-8598')

(Retrieva-D set on W.L. at 8857')

Union Oil Company was informed by Energy Fuels Nuclear that their 1300' core holes were producing gas. It was discovered that the gas contained 200 ppm H₂S, with a maximum flow rate of 1.1 MMCFD. Union suspected that Lisbon Unit Well No. C-84 had a leak and was contributing the gas.

Union ran pressure tests and found that the 2-7/8" tubing, 2-7/8" x 5-1/2" casing annulus, and the 5-1/2" x 10-3/4" annulus were pressured and communicating. An attempt was made to kill the well by pumping several hundred barrels of water down both the 2-7/8" tubing and the 2-7/8" x 5-1/2" annulus without success. A collar locator was run on an electric wireline and indicated that the tubing was apparently parted at ±45' from surface. An Otis snubbing unit was rigged up and 1-1/4" tubing was snubbed in the hole to approximately 7800', and the tubing flow was killed. The well will continue to flow out the 2-7/8" x 5-1/2"

(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 11-5-87

(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-84
Lisbon Field
San Juan County, Utah
11-5-87
Page 2

annulus and the 5-1/2" x 10-3/4" annulus with a decrease in rate and also, the flow out the core holes will decrease. The 1-1/4" tubing was pulled out of the hole, and a tubing plug was run and set in the "F" nipple at 8861' on 10-31-87. The flows out the 2-7/8" x 5-1/2" annulus and the 5-1/2" x 10-3/4" annulus have decreased to a very weak blow, and the flows out Energy Fuels Nuclear's core holes have died.

Union Oil Company proposes to move in a workover unit, POOH with production tubing and packers, repair the apparent 5-1/2" casing leak, and rerun the production equipment.

Note: A Notice of Intention for the repair procedure will follow.

No approval
necessary for
this notice.

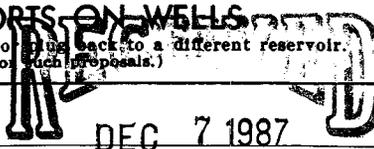
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 requirements.* See also space 17 below.)
At surface
2690' FNL & 1520' FEL (NW SE)

14. PERMIT NO.
43-037-16246

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6441' GL; 6452' KB

5. LEASE DESIGNATION AND SERIAL NO.
U-015445 *Pozd*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
121124

7. UNIT AGREEMENT NAME
Lisbon Unit

8. FARM OR LEASE NAME
Lisbon Unit

9. WELL NO.
C-84

10. FIELD AND POOL, OR WILDCAT
Lisbon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 4, 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

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) (Repair, Perforate, & Treat)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

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.)*

8963' TD
10-3/4" @ 702'
5-1/2" @ 8963'

Perfs: 8830-8846')
8862-8874')-Mississippian
8568-8598')

(Retrieva-D set on W.L. @ 8857')
(Tbg plug set in "F" nipple @ 8861')

Proposed Plan of Procedure

- MIRU workover rig. N.U. BOP and two kill and flare lines off 5-1/2" casing.
- P.U. overshot with grapple and packoff.
- Engage fish and pump 50 bbls. produced water over the tubing volume. R.U. wireline. Run in and retrieve tubing plug.
- Release "FH" packer and TOOH with packer, seal assembly, sliding sleeve, and tubing.
- P.U. 2-7/8" workstring and retrieving tool and TIH, recovering Retrieva-D packer. TOOH.

(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 12-4-87

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

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

DATE: 12-9-87
BY: *John R. B...*

*See Instructions on Reverse Side

Federal approval of this action is required before commencing operations.

6. P.U. retrievable bridge plug (RBP) and TIH to $\pm 100'$. Pressure test 5-1/2" casing hanger and packoff.
7. If 5-1/2" packoff leaks, repair it; run casing inspection log from ETD to surface.
8. Locate hole/leak in 5-1/2" casing. Set RBP below hole. Dump 6 sacks of sand on top of RBP. Set packer $\pm 150'$ above hole and squeeze hole/leak with cement. W.O.C.
9. TOOH with packer. Drill out cement and pressure test squeeze.
10. If 5-1/2" casing pressure tests O.K., then retrieve RBP.
11. Perforate Mississippian formation from 8706-8732' and 8745-8796' with 2 spf using csg gun.
12. TIH with straddle assembly, setting RBP at 8814' and packer at 8650'.
13. Swab test new Mississippian perfs.
14. Treat new Mississippian perfs with 4000 gals. 15% MSR acid with additives in eight 500-gallon stages, dropping 100# of wide-range unibeads between stages (7 drops). Attempt to keep rate a 3-5 bpm and treating pressure at 1800-2000 psi.
15. Swab test after treatment.
16. TOOH with straddle assembly.
17. TIH with 2-7/8" tubing and production packer, setting packer at 8500'. Load annulus with packer fluid prior to setting the packer. Pressure test annulus to 500#. Swab test.

**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 formation.)
Use "APPLICATION FOR PERMIT—" for subsurface operations.

RECEIVED
MAR 18 1988

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER (Shut In) <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-015445 <i>POW/MSSP</i>
2. NAME OF OPERATOR Union Oil Company of California		6. IF INDIAN, ALLOTTEE OR TRIBE NAME 032527
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 2690' FNL & 1520' FEL (NW SE)		8. FARM OR LEASE NAME Lisbon Unit
14. PERMIT NO. 43-037-16246		9. WELL NO. C-84
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6441' GL; 6452' KB		10. FIELD AND POOL, OR WILDCAT Lisbon
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 4, 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) REPAIRED, PERFORATED & TESTED <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.)***

8963' TD
10-3/4" @ 702'
5-1/2" @ 8963'

Perfs: 8830-8846')
8862-8874') - Mississippian
8568-8598')

"FH" packer at 8501'.
Retrieva-D set on W.L. at 8857'.
Tbg plug set in "F" nipple at 8861'.

Purpose: To fish tubing, repair casing leak, add perforations, and test.

MIRU well service unit on 2-8-88. Tested BOP, O.K. RIH with 4-11/16" overshot with grapple. Engaged 2-7/8" tubing stub at 62'. RIH through 2-7/8" tubing with 2-1/8" OD chemical cutter on wireline and cut 2-7/8" tubing at 8486'. POOH with wireline. Attempted to TOOH while working tubing through tight spot, with drag increasing to 20,000#. Could not work tubing back down. Shut down while pulling tubing out of hole. Picked up and RIH through 2-7/8" tubing with 1-1/2" OD tubing to 8480'. Spotted 12 sacks of 20-40 sand from 8480-8445'. Pulled up to 8440' and spotted 75 sacks of class "H" cement with additives from 8440-8043' (Plug No. 1). (Note: Received verbal approval on 2-12-88 from Dale Manchester, BLM, and John Baza, Utah O&GCC, to use this as P&A Plug No. 1 if the well could not be re-entered.) Cement in place at 12:45 p.m., 2-14-88. POOH, laying down 1-1/2" tubing. POOH with 2-7/8" tubing.

(Continued on Attached Sheet)

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

SIGNED *Jim Benson* TITLE Drilling Engineer DATE 3-14-88
Jim Benson

(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-84
San Juan County, Utah
3-14-88
Page 2

RIH with 4-3/4" OD lead impression block on 2-7/8" tubing and set down at apparent casing part at 901'. POOH with tubing and impression block. POOH with 25 joints and 2 pieces (853.84') of 5-1/2", 17#, J-55, 8RD, LT&C casing. RIH with 7-7/8" bit and cleaned out to top of 5-1/2" casing stub. POOH with bit. RIH with 6-13/16" OD, 5-1/2" lead-seal casing patch on new 5-1/2", 17#, J-55, LT&C casing. Washed over and engaged 5-1/2" casing stub. Set lead seals and casing patch. Pressured casing to 1000 psi, O.K. Set 5-1/2" casing in slips. Cut off 5-1/2" casing and N.U. tubing head. Ran casing inspection logs from 7860' to surface. RIH with 4-3/4" bit. and DC's on 2-7/8" tubing. Cleaned out to top of cement at 8043'. Drilled cement from 8043' to top of sand at 8445'. Washed sand to top of 2-7/8" stub at 8486'. TOOH. RIH with 4-11/16" OD overshot and washed over and engaged 2-7/8" tubing stub at 8486'. P.U. and released Model "FH" packer and TOOH with packer and sliding sleeve. TIH with retrieving tool on 2-7/8" tubing and retrieved Retrieva-D packer at 8855'. TOOH.

Perforated Mississippian formation from 8706-8732' and 8745-8796' with 2 spf with 4" casing gun. RIH with straddle assembly on 2-7/8" tubing. Set retrievable bridge plug at 8814' and packer at 8637'. Swabbed well and well kicked off flowing on second run.

Rigged up flow lines to production unit on 3-9-88. Flowed 2 bbls. oil/4 hours on 28/64" choke, 3-9-88. Flowed all gas on 3-10-88 at rate of 5.5 MMCFD and steady on 28/64" choke, with FTP 1460 psi and steady.

Mixed up packer fluid. Shut well in and killed well. Nippled down test lines. Unseated R-3 packer, circulated over, and latched into retrievable bridge plug (RBP). Unseated RBP and POOH with 2-7/8" tubing. P.U. and RIH on wireline with model "B" perm. packer with knock-out cast-iron plug. Set packer at 8490'. POOH. Ran and landed 267 jts. (8414.18') of 2-7/8" tubing at 8426.18'. N.D. BOP. N.U. WH. Circulated hole with 215 bbls. packer fluid. R.D. Released rig on 3-12-88.

Shut well in, 3-12-88. Waiting on blowdown.

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

6. Lease Designation and Serial Number <p style="text-align: center;">UTU015445</p>
7. Indian Allottee or Tribe Name
8. Unit or Communitization Agreement <p style="text-align: center;">Lisbon Unit</p>
9. Well Name and Number <p style="text-align: center;">Lisbon C-84</p>
10. API Well Number <p style="text-align: center;">430371624600</p>
11. Field and Pool, or Wildcat <p style="text-align: center;">Mississippian</p>

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)	
2. Name of Operator <p style="text-align: center;">Union Oil Company of California</p>	
3. Address of Operator <p style="text-align: center;">3300 N. Butler, Ste 200, Farmington, NM 87401</p>	4. Telephone Number <p style="text-align: center;">(505) 326-7600</p>
5. Location of Well Footage : 2690' FNL & 1520' FEL County : San Juan QQ, Sec. T., R., M. : NW SE, Sec 4, T30S, R24E State : UTAH	

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

NOTICE OF INTENT
(Submit in Duplicate)

<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Other <u>Annual Status Report</u>	

Approximate Date Work Will Start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Other _____	

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
 * Must be accompanied by a cement verification report.

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

This well is currently shut-in due to the limited capacity of the gas plant to process the produced gas. The well is planned to be returned to production during the blowdown of the reservoir.

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

Name & Signature Craig Q. Van Horn Title Field Supt. Date 2/17/92

(State Use Only)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993
5. Lease Designation and Serial No.
UTU 015445
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 reentry to a different reservoir.
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

RECEIVED
NOV 03 1992

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 UNION OIL COMPANY OF CALIFORNIA

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 2690' FNL & 1520' FEL, SEC. 4, T30S, R24E

7. If Unit or CA, Agreement Designation
 LISBON UNIT

8. Well Name and No.
 C-84

9. API Well No.
 43-037-16246

10. Field and Pool, or Exploratory Area
 LISBON

11. County or Parish, State
 SAN JUAN, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NOTIFICATION, REPORT, OR OTHER DATA

RECEIVED
DEC 22 1992

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.)*

- 7/31 MIRU. RD Wellhead. NU BOP. POH & LD Prod Equip.
- 8/1-3 RIH w/ 4-3/4" bit. Drill out perm pkr @ 8490'. POH.
- 8/4 Perf Mississippian w/ 4" csg gun @ 4 spf from 8625-40 and 8643-49.
- 8/5-10 Flow tested zones.
- 8/11 Csg collapse from 7052-7078'.
- 8/12 Received permission from Mr. Dale Manchester to P&A well.
- 8/13 Set cmt ret @ 6870'. Sqz w/ 141 sx cmt. TOC @ 6770' (Plug #1).
- 8/14 Perf @ 4950'. Pressure sqz perf to 2500# & held okay. Perf @ 2500'. Inj. rate: 3BPM @ 1500#. Displace hole w/ 9.3 PPG mud. Spot 35 sx Cl G cmt @ 4800-5100' (Plug #2).
- 8/15 Set cmt ret @ 2458'. Sqz w/ 60 sx Cl G cmt. Dump 11 sxs cmt on top of ret (Plug #3). Perf @ 777'. Set cmt ret @ 772'. Sqz w/ 390 sxs Cl G. Did not circ cmt. Dump 11 sx cmt on top of ret. (Plug #4: 471-777').
- 8/16 Sptd 75 sxs Cl G cmt from 471'-3' (Plug #5). Cut off csg head 3' BGL & weld on dry hole marker.

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

Signed [Signature] Title Reservoir Engineer Date 8/26/92

(This space for Federal or State office use)

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

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