

N.M. OIL CONS. COMMISSION
P.O. BOX 1980
POBBS, NEW MEXICO 88240

Form 3160-5
(June 1990)

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 (915) 685-7607

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

660' FSL & 760' FWL
Unit Letter M - Sec. 4, T-19-S, R-34-E

5. Lease Designation and Serial No.

NM-10474

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Pipeline Federal #1

9. API Well No.

30-025-23475

10. Field and Pool, or Exploratory Area

La Rica Morrow (Gas)

11. County or Parish, State

Lea County, N.M.

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

TYPE OF SUBMISSION

☒ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☒ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

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

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

See attached procedure.

RECEIVED
1997 JUL 30 A 10:52
BUREAU OF LAND MGMT.
OFFICE OF THE DIRECTOR

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

Signed

Charlotte Beason

Title

Regulatory Clerk

Date

7-29-97

(This space for Federal or State office use)

Approved by

(ORIG. 302.) JOE G. LARA

Title

Petroleum Engineer

Date

7/30/97

Conditions of approval, if any

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

*See Instruction on Reverse Side



Drig Engr:	<i>Ra</i>
Drig Supt:	<i>SL</i>
Resv Engr:	<i>CHN</i>
Prod Engr:	
Prod Supt:	

South Permian Asset Group

FIELD: La Rica LEASE: Pipeline Federal
 Location: 660' FSL & 760' FWL Twn: 19S
 Sec: 4 County: Lea

May 13, 1997
 NO: 1
 Rge: 34E
 State: NM

REASON FOR WORK: Abandon the Lower Morrow formation & recomplete in the Upper & Middle Morrow Formations.

CONDITION OF HOLE:

TOTAL DEPTH: 14626' ETD: 14435' KB DATUM: 19.0' Above: G.L.(3862.0)

CASING RECORD:

13 3/8" 48# K-55 @420' w/460sx(circ)
 9 5/8" 40# K-55 & N-80 @ 5451' w/ 600 sx
 5 1/2" 17 & 20# N-80 & P-110 @ 14585' w/ 1350 sx (TOC @11000' ts)

PERFORATIONS:

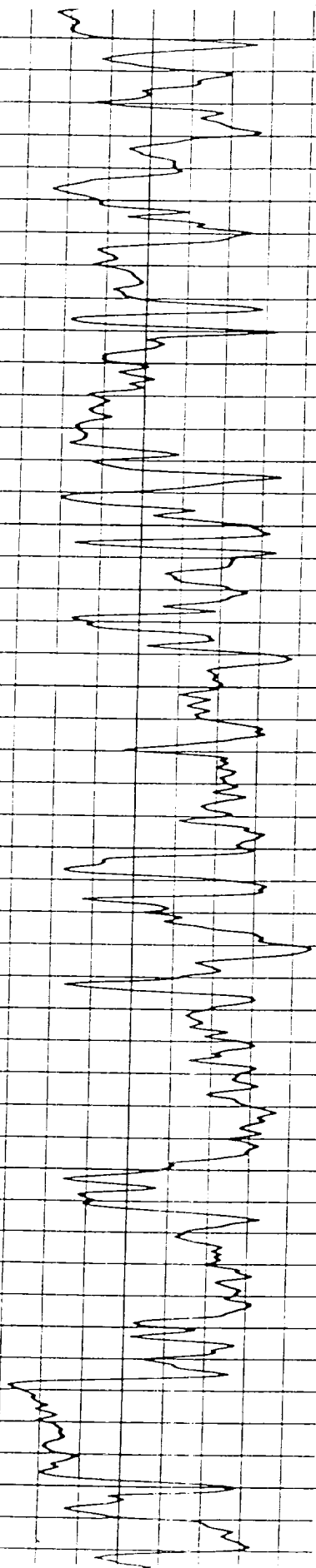
Formation	Date	From	To	SPF	# Holes
Lower Morrow	8/6/70	13420	13442	1	23
Re-perf					
Lower Morrow	5/23/96	13420	13442	4	84

TUBING DETAIL:

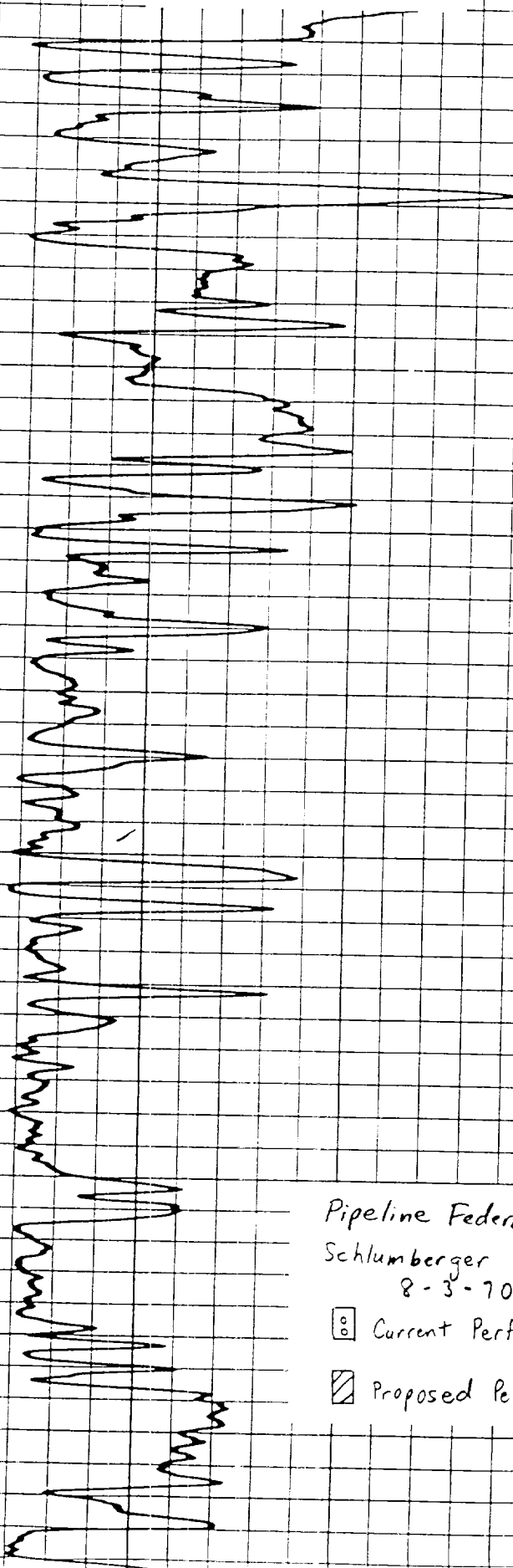
425	2 3/8" 4.7# L-80 AB mod.	13335
1	2 3/8" SN	1
1	2 3/8" 4.7# L-80 AB mod.	NA
1	Baker seal bore assembly	NA
	Total Tbg	
	Btm Tbg.	13352

REGULATORY REQUIREMENTS: Obtain BLM approval.

Gamma Ray



Neutron
(API Units)



13000

13100

13200

13300

13400

Pipeline Federal #1
Schlumberger GRN
8-3-70

○ Current Perfs

▨ Proposed Perfs



PIPELINE FEDERAL #1

PROCEDURE:

1. Obtain BLM approval via notice of intent sundry notice.
2. RU kill truck and pump 50 bbls approved plugging fluid down 2 3/8" tubing.
3. MIRU well service unit. Perform audit.
4. ND wellhead. NU BOP. TOO H w/tubing & seal assembly.
5. RU wireline, run junk basket & gauge ring to top of permanent packer @ 13370'. Set CIBP on top of packer @ 13368'. Dump 35' cement on bridge plug. (BLM requirements).
6. TIH w/5 1/2 casing scraper & 4 3/4" bit to 13320'.
7. RU acid pump truck & pump 500 gal 15% HCl pickle acid to bottom of tubing. Reverse circulate hole w/310 bbl 2% KCl. Test casing to 2000#. Spot 5 bbls acetic acid across perforation zone 13100'-13320'.
8. TOO H w/bit & scraper.
9. RU wireline to perforate upper & middle morrow formations as follows: Run pack-off & full lubricator. 4" casing gun w/premium charges, 120° phasing, 2 spf as follows: 13090'-13102', 13119'-13122', 13178'-13182', 13218'-13220', 13252'-13258', 13290'-13294'. 68 total holes. (reference Schlumberger GR/N dated 8/3/70.)
10. TIH w/2 3/8", 4.7#, L-80, eue 8rd, AB mod. w/tubing set packer. (possible packer- Halliburton perma-latch w/on-off tool w/1.875 "X" profile & 1.791" "XN" profile on bottom.) Hydro-test tubing in hole to 8000 psi.
11. Circulate annulus w/packer fluid & set packer in 20k compression @13000'.
12. ND BOP, test tree to 5000 psi, Flange up tree.
13. Swab & evaluate, (fluid to tank).
14. RU BJ to acidize via 2 3/8" tree saver (10k) w/4000 gal 20Q CO₂ acid system, (2400 gals 7 1/2% HCl + 800 gals methanol + 800 gals CO₂) plus additives carrying 100 ballsealers. Flush w/2130 gals 20Q CO₂ treated water(1700 gals 2% KCl + 430 gals CO₂). (see acid recommendation.)

15. Record ISDP, 5,10,15 min SITP, RD acid company & tree saver.
16. Flow back well slowly on 10/64" choke, record pressures and recover fluids in tank.
17. Evaluate, swab if needed.
18. Establish stabilized production, evaluate possible fracture treatment.
19. Perform static BHP tests & AOF 4 pt. test.