

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. OIL & GAS COMMISSION
P.O. BOX 1980
HOBBS, NEW MEXICO 88240

FORM APPROVED
Reg. 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

SWD

2. Name of Operator

Union Oil Company of California

3. Address and Telephone No.

P.O. Box 671 - Midland, TX 79703 (915) 685-7607

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

1980' FSL & 660' FWL
Sec. 7, T-19-S, R-34-E

5. Lease Designation and Serial No.

NM-6870

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

Pipeline Deep Unit Federal

8. Well Name and No.

Pipeline Deep Unit Federal #5
9/ API Well No. SWD

10. Field and Pool, or Exploratory Area

Quart Ridge (Morrow)

11. County or Parish, State

Lea County, NM

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.

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

Signed

Charlotte Beeson

Title

Drilling Clerk

Date

1-19-95

(This space for Federal or State office use)

Approved by

(ORIG SCD) JOE G. LARA

Title

PETROLEUM ENGINEER

Date

2/13/95

Conditions of approval, if any:

See attached

Prod Supt _____
Drig Supt _____
Drig Tech _____
Engr _____

Unocal Corp.
Central United States
Business Unit

Date: 1/2/95

Field: Quail Ridge

Asset Group: South

Lease/Unit: Pipeline Deep Unit

Well No.: 5

Reason For Work: To Plug and Abandon

Condition of Hole:

Total Depth: 13,620'

PBTD: 5,175'

KB Datum is 22' A/GL:

Casing Record: 13-3/8" @ 503', 48#, H-40. Cmt'd w/ 300sx. Cmt Circ.
9-5/8" @ 5295', 40 & 43.5#, S-80, K-55, Cmt'd in 2 stages: 1st 800sx, 2nd stage
1100 sx thru DV tool @ 1791'. Cmt Circ.
5-1/2" @ 13,620', 17# N-80, S-95, Cmt'd in 2stages: 1st stage 750sx, 2nd stage
600 sx thru DV tool @ 10,003'. TOC @ 6,900'.

Perforations: **Morrow Perfs.** 13,435-13,527'. Sqzd w/100sx thru ret @ 13,348'.
13,054-13,288'. Otis "WB" Pkr @ 12,900'. Capped w/355sx
TOC @ 9310'.
Yates Perfs. 3,712-4,490'. Open.

Existing Plugs: **Plug #1:** (13,348-13,527'). **Plug #2:** (9,310-12,900').
Plug #3: (6,825-6,970'). **Plug #4:** (5,175-5,375').

Tubing Detail: See Detailed well schematic.

Rod & Pmp Detail: None.

Regulatory Requirements: Notify BLM prior to rig-up.

PROCEDURE:

1. MIRU DD PU. ND WH. NU BOP. LOAD 2-3/8" X 9-5/8" ANNULUS. RU & EST PI RATE THRU PKR INTO YATES PERFS. RLSE PRSS. BASED OFF OF RATE, SQZ YATES PERFS W/ 350 SX CLASS "C" CMT DISPLACE CMT TO 3680'. SWI. SD. WOC. RLSE PRSS. PRSS TST PLUG.

2. RLSE PKR & RIH & TAG TOC. PLUG #1:(3680-4490'). TOH. RIH W/ OE'D WS TO TOC. RU & CIRC HOLE W/10 PPG MLB @ 35 VIS. PUH TO 3313'. RU & SPOT 120 SX CLASS "C" CMT MIXED @ 14.8 PPG, FROM 3313-2942'. PLUG #2:(2942-3313').
3. PUH TO 1930'. RU & SPOT 60 SX CLASS "C" CMT FROM 1930-1744'. PLUG #3:(1744-1930'). PUH TO 550'. RU & SPOT 80 SX CLASS "C" CMT FROM 550-302'. PLUG #4:(302-550').
4. PUH TO 93'. SPOT 30 SX CLASS "C" CMT FROM 93'-SURF. PLUG #5:(SURF-93'). POH. ND BOP. RD MO DD PU. CUT OFF WH TO 3' BGL. WO PA PLATE & MARKER. CLEAN AND LEVEL LOCATION.

UNOCAL 76

PERMIAN BASIN BUSINESS UNIT

ASSET GROUP: South Permian
 FIELD: Quail Ridge Morrow
 LEASE/UNIT: Pipeline Deep Unit Federal
 COUNTY: Lea

DATE: Jan. 12, 1995
 BY: M.C. Phillips
 WELL: #5
 STATE: New Mexico

SPUD DATE: 4/13/80
 COMP. DATE: 7/24/80
 CURRENT STATUS: Gas
 LOCATION: Sec. 7, T-19-S, R-34-E.

KB = 3,767'
 Elevation = 3,743'
 TD = 13,620'
 PBD = 5,175'

Before P&A

13-3/8" @ 503'. Cmt'd w/300ex.
 Cmt circ.

Guiberson Uni-VI	9.15'
Type "XL" ON/OFF	1.95'
116 jts. 2-3/8" J-55 PCID	3602.56'
1 sub 2-3/8" J-55 PCID	8.18'
1 sub 2-3/8" J-55 PCID	10.13'
	3631.97'
KB	22.00'
	3653.97'

PERFORATIONS:

Yates Perfs from 3,712-4,490'

110 sx spotted from 5375-5175'. Tagged.

9-5/8" @ 5295'. Cmt'd in 2 stages thru DV
 tool @ 1791'. 1st stage 800ex, 2nd stage
 1100ex.
 Cmt circ.

Formation Tops

Fw	400'
Top Salt	1880'
Base Salt	3060'
Yates	3263'
San Andres	4412'

45 sx spotted from 6970-6825'. Tagged.

5-1/2" cag cut & removed @ 6894'.

TOC @ 6800'

PERFORATIONS:

Morrow Perfs from 13,054-13,288'
 Morrow Perfs from 13,435-13,527'
 Sqzd thru ret @ 13348, w/100ex.

Otis "WB" Plr @ 12,900'. Capped w/ cmt. TOC @
 9310'.

5-1/2" Csg. @ 13,620' Cmt. w/ 2 stages. 750 sx cmt, 600ex thru DV
 @ 10083'. TOC @ 6800'.

PBD = 5,175'
 TD = 13,620'

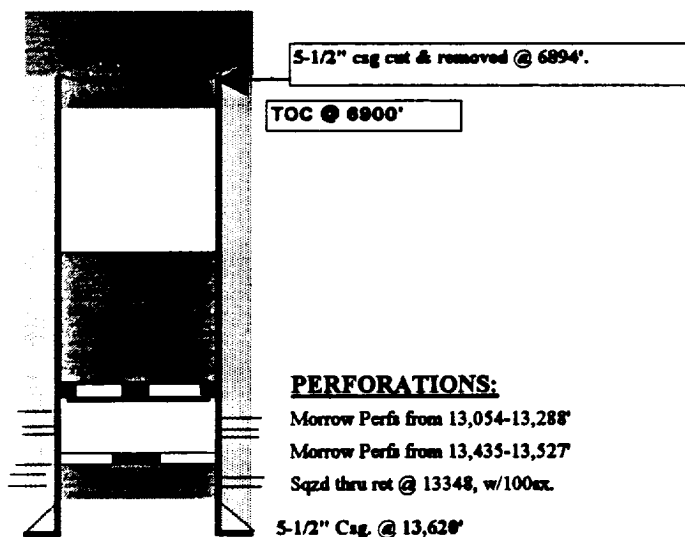
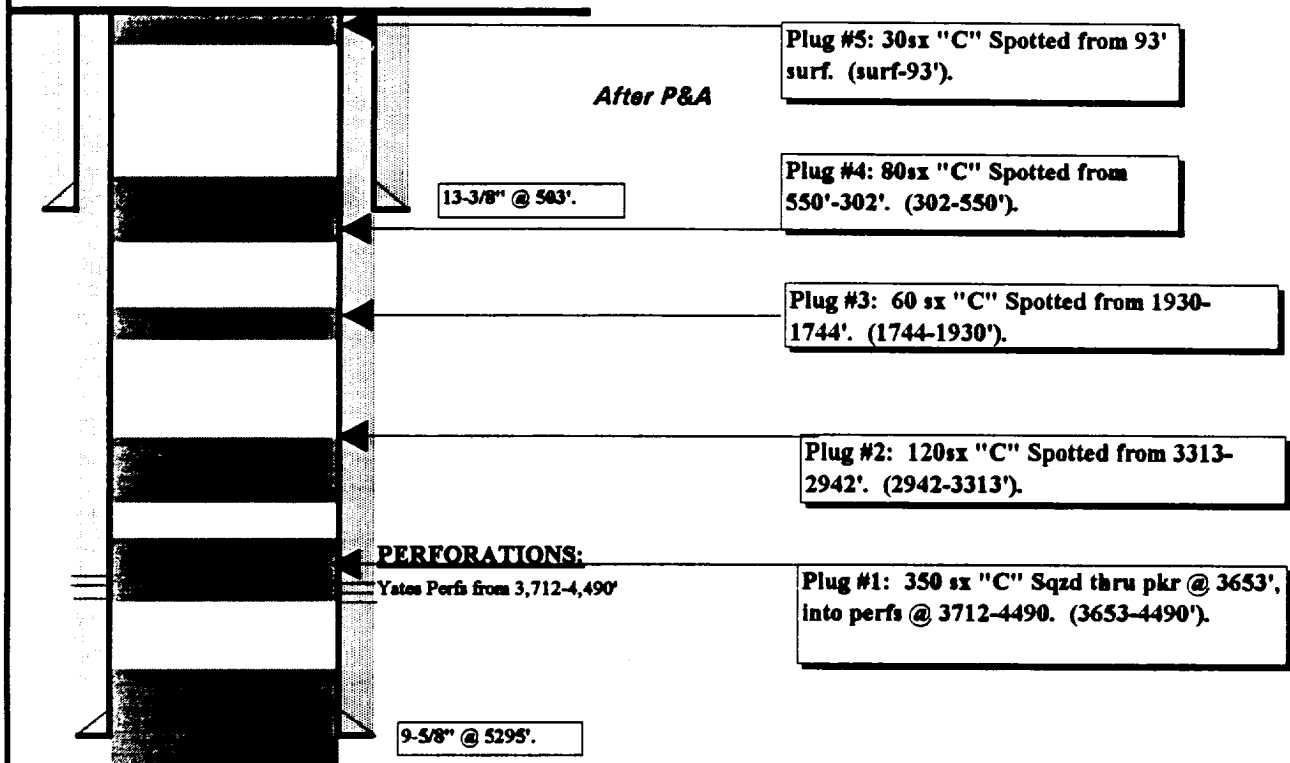
UNOCAL 76
PERMIAN BASIN BUSINESS UNIT

ASSET GROUP: South Permian
FIELD: Quail Ridge Morrow
LEASE/UNIT: Pipeline Deep Unit Federal
COUNTY: Lea

DATE: Jan. 12, 1995
BY: M.C. Phillips
WELL: #5
STATE: New Mexico

SPUD DATE: 4/13/80
COMP. DATE: 7/24/80
CURRENT STATUS: Gas
LOCATION: Sec. 7, T-19-S, R-34-E.

KB = 3,767'
Elevation = 3,743'
TD = 13,620
PBTD = 5,175



PBTD = Surf
TD = 13,620'

RECEIVED

11 13 15

1915

BUREAU OF LAND MANAGEMENT
CARLSBAD RESOURCE AREA

Permanent Abandonment of Wells on Federal Lands

Conditions of Approval

1. Approval: Plugging operations shall commence within 90 days from the approval date of plugging procedure.
2. Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Eddy County call (505)887-6544 ; for wells in Lea County call (505) 393-3612.
3. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet ; and a 5M system for a well not deeper than 22,727 feet.
4. Mud Requirement: Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of water. Minimum nine (9) pounds per gallon.
5. Cement Requirement: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either class "C" , for up to 7,500 feet of depth, mixed at 14.8 lbs./gal. with 6.3 gallons of fresh water per sack or class "H" , for deeper than 7,500 feet plugs, mixed at 16.4 lbs./gal. with 4.3 gallons of fresh water per sack.
6. Dry Hole Marker: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement. The following information shall be permanently inscribed on the dry hole marker: Well name and number, the name of the operator, the lease serial number, the surveyed location (the quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer; such as metes and bounds).
7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and five copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. Show date well was plugged.

Following the submittal and approval of the Subsequent Report of Abandonment, surface restoration conditions of approval will be developed and furnished to you.