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LAND OFFICE	
OPERATOR	

3A. Indicate Type of Lease
STATE <input checked="" type="checkbox"/> REC <input type="checkbox"/>
3. State Oil & Gas Lease No.
E-9721

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. Type of Work

2. Type of Well

DRILL ☐DEEPEN ☐PLUG BACK ☒OIL WELL ☒GAS WELL ☐

OTHER

SINGLE ZONE ☒MULTIPLE ZONE ☐

2. Name of Operator

Texaco Inc.

3. Address of Operator

P. O. Box 728, Hobbs, New Mexico 88240

4. Location of Well

UNIT LETTER D LOCATED 660 FEET FROM THE North LINE

660 FEET FROM THE West LINE OF SEC. 32 TWP. 19-S REC. 32-E NMPM

7. Unit Agreement Name

8. Farm or Lease Name

N.M. State "CR"

9. Well No.

1

10. Field and Pool, or Wildcat

*

12. County

Lea

19. Proposed Depth

11,495' (TD)

19A. Formation

**

20. Rotary or C.T.

Pulling Unit

1. Elevations (Show whether DF, RT, etc.)

3561 DF

21A. Kind & Status Plug. Bond

Blanket

21B. Drilling Contractor

22. Approx. Date Work will start

September 15, 1986

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
15"	11-3/4"	31.2#	925'	600	Circulated
10-5/8"	8-5/8"	24#	3900'	650	2600'
7-7/8"	4-1/2"	11.6#	11,495'	300	10,500'

*
Lusk Bone Spring
Wildcat Brushy Canyon
Lusk Delaware

**
Bone Spring
Brushy Canyon
Delaware

Well is presently completed in the Strawn. The 3 prospective intervals will be tested and the well will be completed in the zone which is found to be commercially productive.

1. MIRU. Install BOP.
2. Run gauge ring on wireline to 11,250'.
3. Set CIBP @ 11,250' and dump 35' cement on top.
4. Run GR-CCL 4400'-8900'.
5. Spot mud 11,215'-8900'.

Continued on page 2

ABOVE SPACE DESCRIBE PROPOSED PROGRAM IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed Donald J. Stearns Sr. L. J. Seeman
Title Dist. Petr. Engr. Date 8/06/86

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY DISTRICT 1 SUPERVISOR TITLE DATE 8/11/86

CONDITIONS OF APPROVAL, IF ANY:

New Mexico State "CR" Well No. 1
Lea County, New Mexico

6. Perforate @ 8900' w/2 JSPF.
7. Set Cement retainer @ 8850', sting into retainer and establish circulation or injection rate.
8. Cement w/1000 sacks 50-50 Poz Class H (2% bentonite, 1% FLA, 1/4# Flocele/sx, 1# gilsonite/sx, 13.6 ppg, 1.43 ft³/sx). Pump additional 1000 sacks 50-50 Poz Class H less fluid loss additive.
9. Flush w/50 Bbls water, sting out of retainer and reverse out excess.
10. Run temperature survey to verify TOC. Test casing to 2000 PSI. Re-cement if necessary.
11. GIH w/packer to 8778'. Spot 80 gallons acetic acid from 8778'-8650'.
12. Pull up and set packer @ 8600'. Swab down to 6000'.
13. Perforate w/2 JSPI 8756', 59', 61', 65' and 68'.
14. Swab/flow well to evaluate.
15. If necessary, acidize w/3000 gallons 15% NEFE (Maximum rate, pressure: 3 BPM, 5000 PSI).
16. Swab/flow to evaluate.
17. If necessary, acid fracture w/5000 gallons gelled acid and 5000 gallons pad. Evaluate.
18. If non-commercial, spot 33 Barrels gelled mud 8662'-6500'. POH. Set CIBP @ 8700' and dump 35' cement on top.

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19. GIH, spot 80 gallons acetic acid 6422'-6294'. Pull up and set packer @ 6250'. Swab down to 4000'.
20. Perforate interval w/2 JSPI: 6416'-22'.
21. Swab/flow to evaluate.
22. If necessary, acidize w/3000 gallons 15% NEFE (Maximum rate, pressure: 3 BPM, 5000 PSI). Evaluate.
23. If necessary, sand fracture w/10,000 gallons gelled 2% KCL and 21,000# 20-40 mesh sand. SI 2 hours and flow back to evaluate.
24. If non commercial, spot mud 6312'-4400'. GIH w/CIBP & set @ 6350'. Dump 35' cement on top.
25. Spot 80 gallons acetic acid 4792'-4664'. Pull up and set packer @ 4650'. Swab down to 3000'.
26. Perforate w/2 JSPI: 4772', 75', 78', 79', 85', 87', 90' and 92'.
27. Swab/flow to evaluate.
28. If necessary, acidize w/3000 gallons 15% NEFE (Maximum rate, pressure: 3 BPM, 5000 PSI). Evaluate.
29. If necessary, sand fracture perfs 4772'-4792'. (Design frac prior to treatment). Evaluate.
30. If non commercial, set CIBP @ 4700' and dump 35' cement on top.
31. Spot 80 gallons acetic acid 4550'-4422'. Pull up and set packer @ 4400'. Swab down to 3000'.

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32. Perforate following interval w/2 JSPI: 4532'-36', 4540'-50'.
(16 Intervals, 32 Holes).
33. Swab/flow to evaluate.
34. If necessary, acidize w/5000 gallons 15% NEFE. (Maximum
rate, pressure: 3 BPM, 5000 PSI.) Evaluate.
35. If necessary, sand fracture perfs 4532'-50'. (Design frac
prior to treatment).
36. Flow back to evaluate and place well on production.

NEW MEXICO STATE "CR" WELL NO. 1
UNIT D, SECTION 32, T-19-S, R-32-E
LEA COUNTY, NEW MEXICO

<u>Producing Formation</u>	<u>Pool</u>	<u>Dedicated Acreage</u>
Bone Spring	Lusk Bone Spring	40
Brushy Canyon	Wildcat Brushy Canyon	40
Delaware	Lusk Delaware	40

All distances must be from the outer boundaries of the Section.

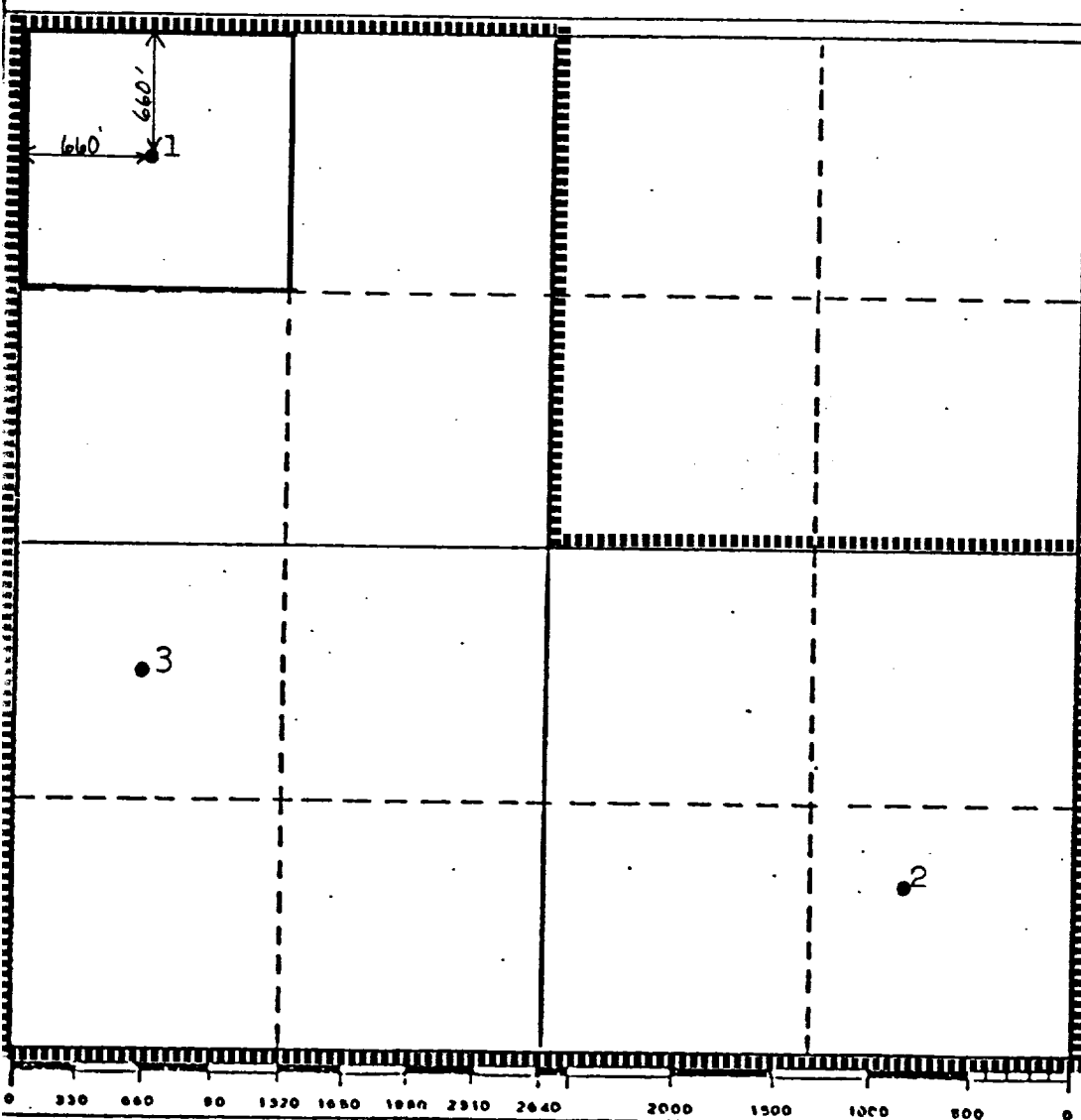
Operator Texaco Inc.			Lease New Mexico "CR" State			Well No. 1
Unit Letter D	Section 32	Township 19-S	Range 32-E	County Lea		
Actual Footage Location of Well: 660 feet from the North line and 660 feet from the West line						
Ground Level Elev. 3542	Producing Formation See Attached Sheet		Pool See Attached Sheet		Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

L. J. Seeman
Name

L. J. Seeman
Position

Dist. Petr. Engr.
Company

Texaco Inc.
Date

8/06/86

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Registered Professional Engineer
and/or Land Surveyor

Certificate No.