ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-101
Revised 10-1-78

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LAND OFFICE	✓	
OPERATOR	✓	

5A. Indicate Type of Lease: STATE [X] FEE [ ]

5. State Oil & Gas Lease No.: E-5894-1

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:
DRILL [ ] DEEPEN [X] PLUG BACK [ ]

7. Unit Agreement Name:

b. Type of Well:
OIL WELL [ ] GAS WELL [X] OTHER SINGLE ZONE [X] MULTIPLE ZONE [ ]

8. Farm or Lease Name: Remuda Basin Unit

2. Name of Operator: Texaco Inc. ✓

9. Well No.: 1

3. Address of Operator: P. O. Box 728, Hobbs, New Mexico 88240

10. Field and Pool, or Wildcat: Wildcat Morrow, Wildca Atoka, Wildcat Strawn

4. Location of Well: UNIT LETTER J LOCATED 1980 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE OF SEC. 24 TWP. 23-S RGE. 29-E NMPM

12. County: Eddy

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19. Proposed Depth	19A. Formation	20. Rotary or C.T.
15,141'	Morrow, Atoka Strawn	Pulling Ut

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
3040' DF	Blanket		June 8, 1987

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
24"	20"	94#	308'	225	Circulated
17-1/2"	13-3/8"	68#	4109'	5500	Circulated
12-1/4"	9-5/8"	47# & 43#	10,932'	3500	5560' (T.S.)
8-1/4"	7"	32#	15,109'	1100	6790' (T.S.)

This well is currently completed in the Remuda Wolfcamp. It is proposed to abandon the Wolfcamp and complete in one of three zones being applied for in this permit.

1. MIRU. Kill well. Install hydraulic BOP/choke manifold system. Install casing pressure relief system. POH w/packer.
2. GIH w/7" cement retainer and set @ 11,075'.
3. Sting out of retainer. Clear tubing w/conventional circulation. Sting into retainer.
4. Squeeze perforations 11,111'-11,452' w/300 sacks Class "H" w/0.6% Halad-9. (15.6 ppg, 1.18 cu. ft./sx.). Maximum rate and pressure: 5 BPM, 5000 PSI.
5. Sting out of retainer. Reverse circulate out excess cement. POH. SION.
6. GIH w/5-7/8" bit.
7. Drill out retainer and cement to 11,500'.

CONTINUED ON PAGE 2

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. 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 L. J. Seeman Title Dist. Petr. Engr. Date 5/19/87

(This space for State Use)

APPROVED BY Original Signed By Mike Williams Oil & Gas Inspector TITLE DATE MAY 27 1987

CONDITIONS OF APPROVAL, IF ANY:

REMUDA BASIN UNIT WELL NO. 1
EDDY COUNTY, NEW MEXICO

Continuation to Form C-101

8. Test squeeze to 5000 PSI. Re-squeeze if necessary.
9. Clean out hole to 13,335' PBTD. Drill out cement plug from 13,335' to 14,000'.
10. Test casing to 5000 PSI.
11. Spot 600 gallons acetic acid from 13,870'-13,474'. POH.
12. GIH w/7" Baker Model DB Packer w/anchor seal assembly, F & R nipples and wireline re-entry guide. Set packer @ 13,450'.
13. Test in hole to 8000 PSI with tubing. Circulate packer fluid, latch into packer. ND BOP. NU Tree and test to 8000 PSI. Swab fluid level down to 8000'.
14. GIH w/1-9/16" through-tubing guns.
15. Perforate w/2 JSPI: 13,849', 50', 54', 55', 56', 63', 64', 68', 69' and 13,870'. (10 intervals, 20 holes).
16. Flow/swab back well. Test and evaluate.
17. Repeat step 14. Perforate following intervals w/2 JSPI: 13,553', 54', 56', 57', and 13,558' (5 intervals, 10 holes). Repeat Step 16.
18. If necessary, load backside to 500 PSI and acidize w/3000 gallons 7-1/2% Morrow compatible acid. Max. rate and pressure: 3 BPM; 8000 PSI.
19. Flow/swab back acid residue.
20. If Morrow pay is not productive, proceed with following steps, otherwise, place well on production.
21. Kill well. ND tree. Install hydraulic BOP/choke manifold system. Unlatch tubing from packer. Spot 300 gallons acetic acid from 12,592' to 12,394'. POH.
22. Rig up wireline truck. TIH w/Baker DR Plug and set in packer.
23. GIH w/dump bailer, cap w/35' cement (new PBTD: 13,412'),
24. GIH w/7" Baker model DB packer w/anchor seal assembly, F&R nipples and wireline re-entry guide. Set packer @ 12,300'.
25. Test in hole to 8000 PSI w/tubing. Circulate packer fluid. Latch into packer, ND BOP. NU Tree and test to 10,000 PSI. Swab fluid level down to 8000'.
26. GIH w/1-9/16" through-tubing gun.
27. Perforate following intervals with 2 JSPI: 12,420', 22', 95', 97', 99', 12,568', 74, 76', 78', 80', 82', 87' and 12,592'. (12 intervals, 24 holes).
28. Flow/swab back well. Test and evaluate.
29. If necessary, load backside to 500 PSI and acidize w/3000 gallons 15% acid. Maximum rate and pressure: 3 BPM, 8000 PSI.
30. Flow/swab back acid residue.
31. If Atoka pay is not productive, proceed w/following steps, otherwise, place on production.

REMUDA BASIN UNIT WELL NO. 1
EDDY COUNTY, NEW MEXICO

Continuation to Form C-101

32. Kill well. ND Tree. Install hydraulic BOP/choke manifold system. Unlatch tubing from packer. Spot 100 gallons acetic acid from 12,197'-12,131'. POH.
33. GIH w/Baker DR Plug and set in packer.
34. GIH w/dump bailer and cap packer w/35' cement. (New PBTD: 12,262').
35. GIH w/7" Baker Model DB Packer w/anchor seal assembly, F&R nipples and wireline re-entry guide. Set packer @ 12,050'.
36. Test in hole to 8000 PSI w/tubing. Circulate packer fluid. Latch into packer. ND BOP. NU Tree. Test to 8000 PSI. Swab fluid level down to 8000 Feet.
37. Perforate w/2 JSPF: 12,190'-12,197'. (8 feet, 16 holes).
38. Flow/swab back well. Test and evaluate.
39. If necessary, load backside to 500 PSI, acidize w/3000 gallons 15% NEFE acid. Maximum rate and pressure: 3 BPM, 8000 PSI.
40. Place well on production.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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Form C-102
Revised 10-1-78

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

Operator	Lease	Well No.
Texaco Inc.	Remuda Basin Unit	1

Unit Letter	Section	Township	Range	County
J	24	23-S	29-E	Eddy

Actual Footage Location of Well:
1980 feet from the South line and 1980 feet from the East line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3040' DF	Morrow, Atoka, Strawn	Wildcat Morrow, Wildcat Atoka, Wildcat Strawn	320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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.

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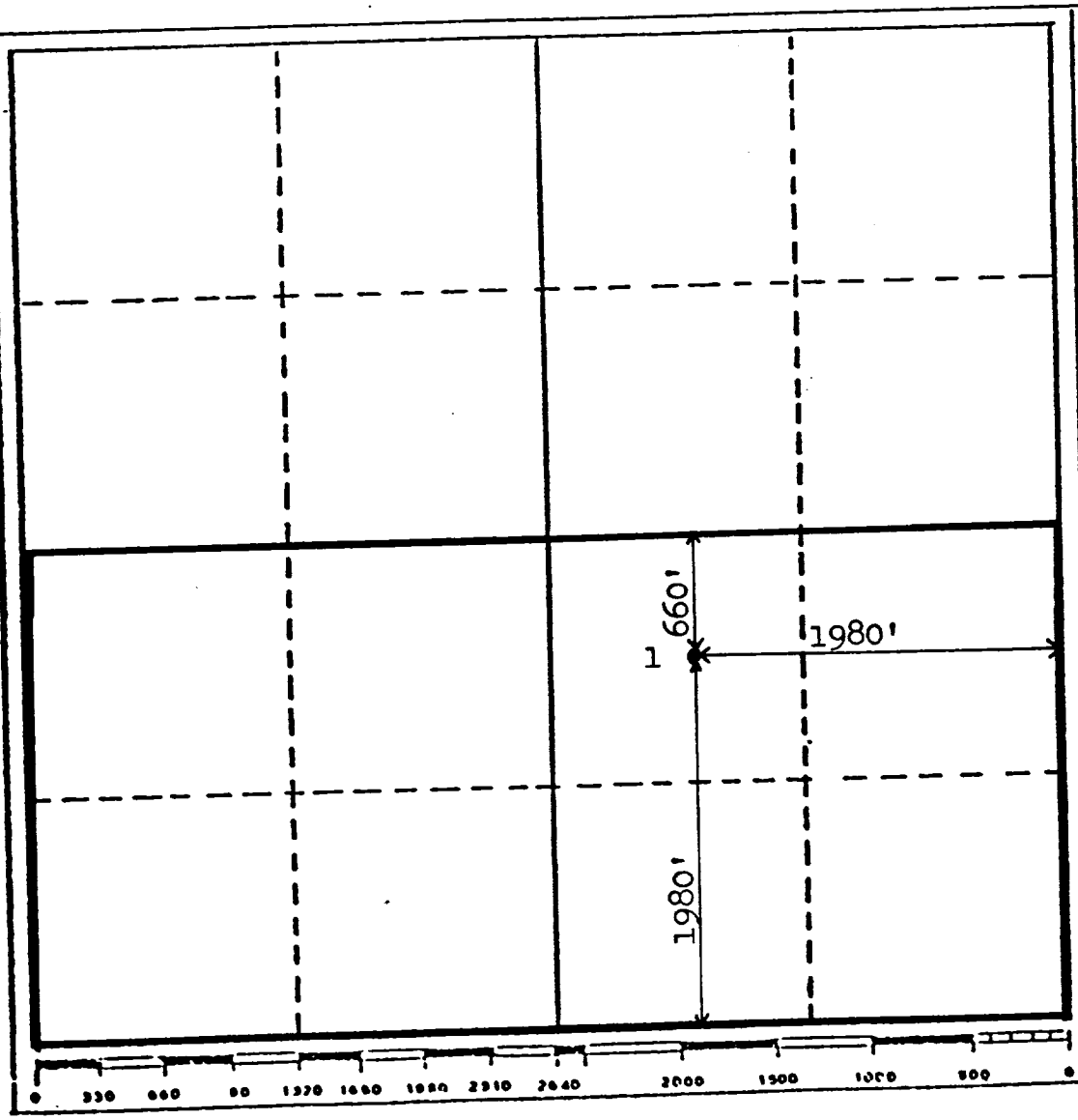

CERTIFICATION

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: May 19, 1987

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.