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LAND OFFICE	
OPERATOR	

3A. Indicate Type	Lease
STATE <input checked="" type="checkbox"/>	FEED <input type="checkbox"/>
3. State Oil & Gas Lease No.	
B-918	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Type of Work	
Type of Well	DRILL <input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/>
IL <input checked="" type="checkbox"/> CAS <input type="checkbox"/> OTHER	SINGLE <input type="checkbox"/> MULTIPLE <input type="checkbox"/>
Name of Operator	

Texaco Producing Inc.

Address of Operator

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

Location of Well	UNIT LETTER C LOCATED 660 FEET FROM THE North LINE
2080 FEET FROM THE West LINE OF SEC. 15 TWP. 21-S REG. 37-E NMPM	

7. Unit Agreement Name	
8. Firm or Lease Name	State S
9. Well No.	4

10. Field and Pool, or Wildcat
Brunson Ellenburger
Hare Simpson

12. County	Lea
------------	-----

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
7896'	Ellenburger, Simpson	Pulling Ut.
21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
Blanket		May 18, 1987

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/2"	13-3/8"	36#	295'	300	Circulated
11"	8-5/8"	24#	2998'	1700	Circulated
6-3/4"	5-1/2"	15.5# & 17#	7895'	500	2990 (T.S.)

Well is presently completed in the Blinbry from 5802' to 5912'. It is proposed to squeeze the Blinbry perfs and re-complete in the Simpson and Ellenburger and downhole commingle these two zones.

1. MIRU. Pull rods & pump.
2. Install BOP. Pull 2-3/8" tubing.
3. TIH w/cement retainer and set @ 5700'.
4. Establish rate into Blinbry perfs using water.
5. Cement squeeze Blinbry perfs w/Class "H" cement. Use volume as per established rate.
6. Sting out of retainer and circulate excess cement. TOH.
7. WOC 24 hours.
8. TIH w/bit, drill out retainer and cement.
9. Close BOP and test squeeze to 500 PSI.
10. Drill out CIBP @ 7650' and clean out 5-1/2" casing to 7870'.

Continued on Page 2

OVER SPACE DESCRIBE PROPOSED PROGRAM IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODU-
ONE. GIVE SLOWOUT PREVENTER PROGRAM, IF ANY.

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

L. J. Seeman

Title Dist. Petr. Engr.

Date 4/29/87

(This space for State Use)

Orig. Signed by
Paul Kautz
Geologist

APPROVED BY _____ TITLE _____ DATE MAY 1 1987

CONDITIONS OF APPROVAL, IF ANY:

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APR 30 1997

1997-04-30

STATE "S" WELL NO. 4
BRUNSON ELLENBURGER, HARE SIMPSON FIELD
LEA COUNTY, NEW MEXICO

Form C-101 continued:

11. Spot 150 gallons 15% NEFE HCL from 7706' - 7856'.
12. TOH w/workstring and bit.
13. Test and install lubricator.
14. Perforate Ellenburger @ 7706', 16', 18', 32', 7800', 10', 15', 25', 7846', 50', and 56' with 4" casing gun. (2 SPF)
15. TIH w/packer and set @ 7650'.
16. Acidize interval 7706'-7856', w/5000 gallons 15% NEFE HCL. Rock salt for diversion. 3-6 BPM. Maximum pressure 4500 PSI. Swab/flow back load.
17. TOH w/packer. GIH w/production equipment and test. (NMOCD DHC Test).
18. Pull production equipment. GIH w/CIBP and set @ +7660'.
19. Test and install lubricator.
20. Perforate Simpson @ 7321', 26', 31', 41', 60', 74', 83', 92', 7407', 22', 32', 40', 43', 53', 60', 64', 68', 73', 78', 97', 7510', 15', 22', 30', 47', 57', 67', 78', 92', 7605', and 17'. (2 SPF).
21. Acidize Simpson 7321'-7617' w/5000 gallons 15% NEFE HCL. Ball sealers for diversion. 3-6 BPM. Maximum Pressure 4800 PSI. Swab/flow back load.
23. Fracutre Simpson perfs w/40,000 gallons of 40 Lb. cross-linked gel containing 40 Lbs. per gallon fluid loss additive and 95,000 Lbs. of sand. Fracture treat @ 20 BPM and Maximum Pressure of 4800 PSI.
24. TOH w/packer.
25. TIH w/bit and cleanout 5-1/2" casing to CIBP @ 7660'. POH.

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STATE "S" WELL NO. 4
BRUNSON ELLENBURGER, HARE SIMPSON FIELD
LEA COUNTY, NEW MEXICO

Form C-101 continued:

26. Run production equipment and test (NMOCD DHC Test).
27. Pull production equipment.
28. TIH w/bit. Drill out CIBP at 7660' and clean out 5-1/2" casing to 7870'.
29. POH.
30. Run production equipment and place on production.

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All distances must be from the corner or corners of the Section.

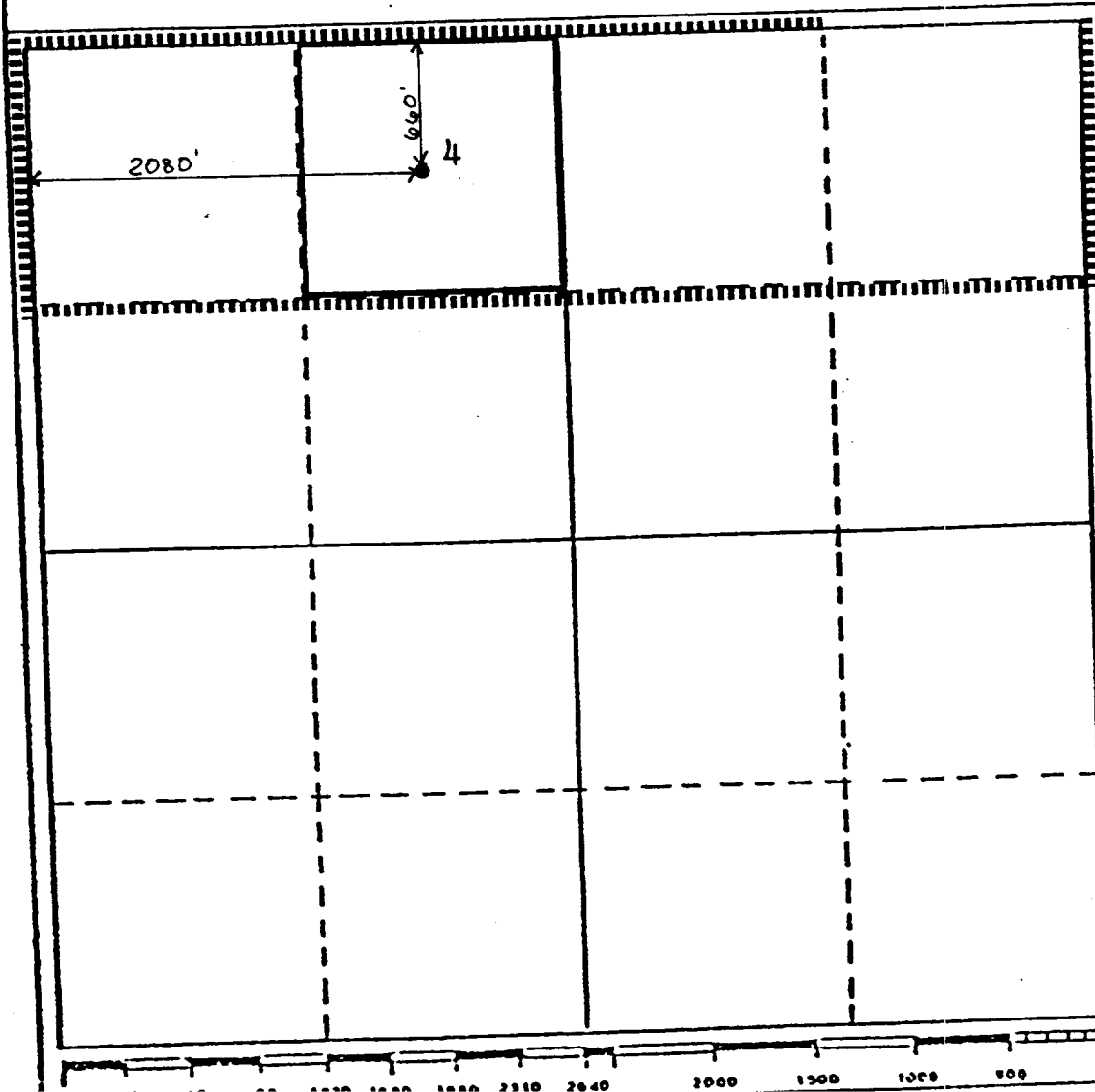
Operator Texaco Producing Inc.			State "S"		Well No. 4
Unit Letter C	Section 15	Township 21-S	Range 37-E	County Lea	
Actual Postage Location of Well: 660 feet from the North line and 2080 feet from the West line					
Ground Level Elev. 3459'	Producing Formation Simpson		Pool Hare Simpson		Dedicated Acres 40 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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 Producing Inc.

Date

April 29, 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.

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

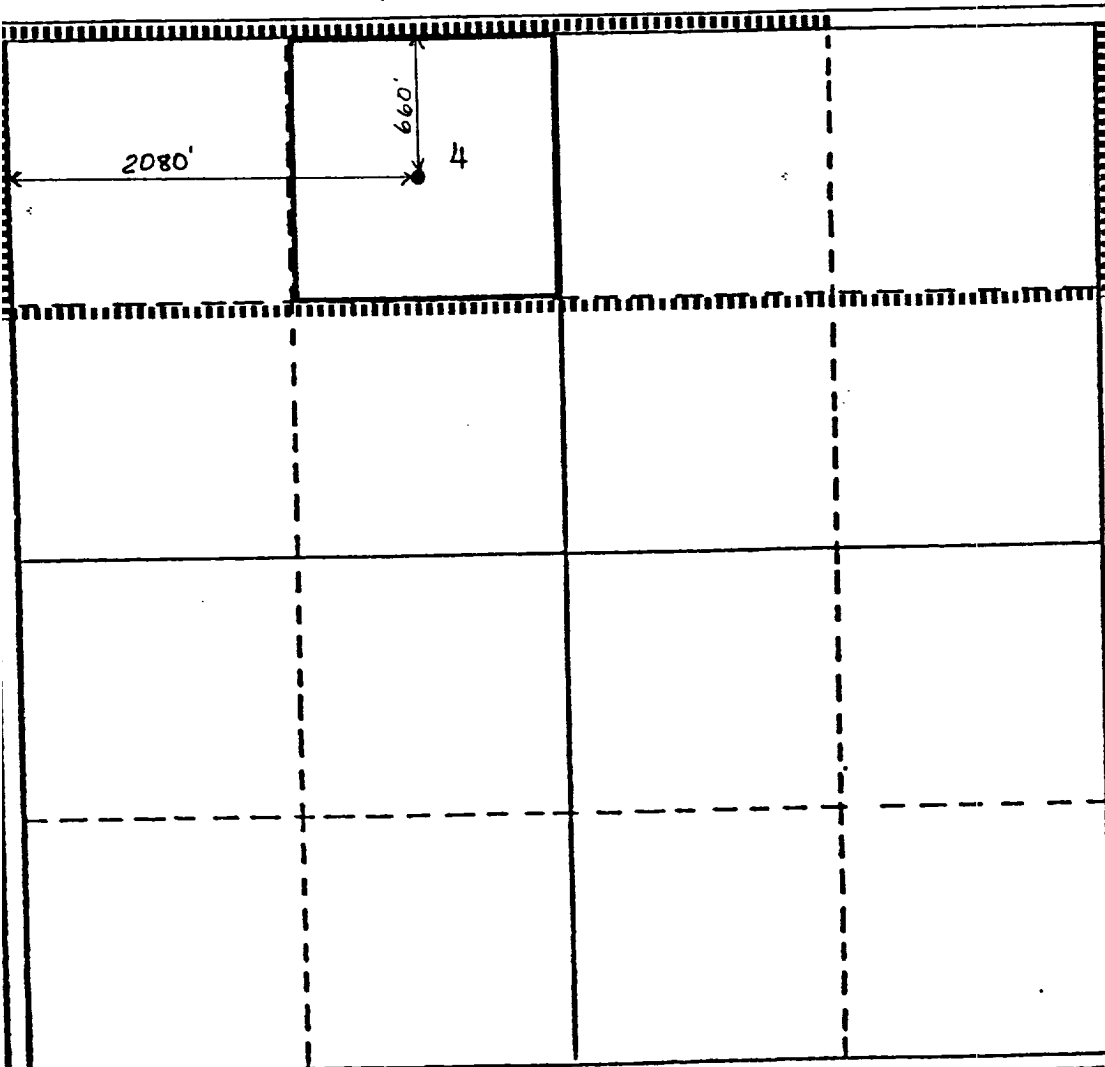
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Section Letter C	Section 15	Township 21-S	Range 37-E	County Lea	
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Ground Level Elev. 3459' DF	Producing Formation Ellenburger		Owner Brunson Ellenburger		Dedicated Acreage 40 Acres

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