Form 3160-3
(November 1983)
(formerly 9-331C)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☐ DEEPEN ☒ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
Texaco Inc. (505)325-4397

3. ADDRESS OF OPERATOR
3300 N. Butler, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface
SW SW 660' FSL and 660' FWL of Sec. 32
At proposed prod. zone
Same as above

5. LEASE DESIGNATION AND SERIAL NO.
Contract No. 68

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME
--

8. FARM OR LEASE NAME
Jicarilla "B"

9. WELL NO.
#4

10. FIELD AND POOL, OR WILDCAT
Basin Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
M
Sec. 32-T25N-R5W

12. COUNTY OR PARISH: Rio Arriba
13. STATE: NM

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 15 miles NE of Lybrook, NM.

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 660' FSL & 660' FWL

16. NO. OF ACRES IN LEASE: 2560 ac.

17. NO. OF ACRES ASSIGNED TO THIS WELL: 160 ac.

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: 1320'

19. PROPOSED DEPTH: 7101'

20. ROTARY OR CABLE TOOLS: 0'-7150'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6662' GR 6671' DF

22. APPROX. DATE WORK WILL START*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-3/4"	10-3/4"	32.75#	328'	300 sks
8-3/4"	5-1/2"	17.0#	7140'	1100 sks 2 stages

Texaco Producing Inc. proposes to squeeze the Gallup formation and re-enter the Dakota formation. The attached procedure will be followed.

(See attached procedure)

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DIST. 3

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.
SIGNED Alan A. Kleier TITLE Area Manager DATE 7-19-90

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED
AUG 06 1990
Ken Townsend
AREA MANAGER

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:
Hold C-104 FOR NSL & 320 plat

BLM-Farmington(5), Jicarilla Apache Tribe, RSL,, AAK, MLK, MAG

*See Instructions On Reverse Side

JICARILLA "B" WELL NO. 4

CURRENT COMPLETION

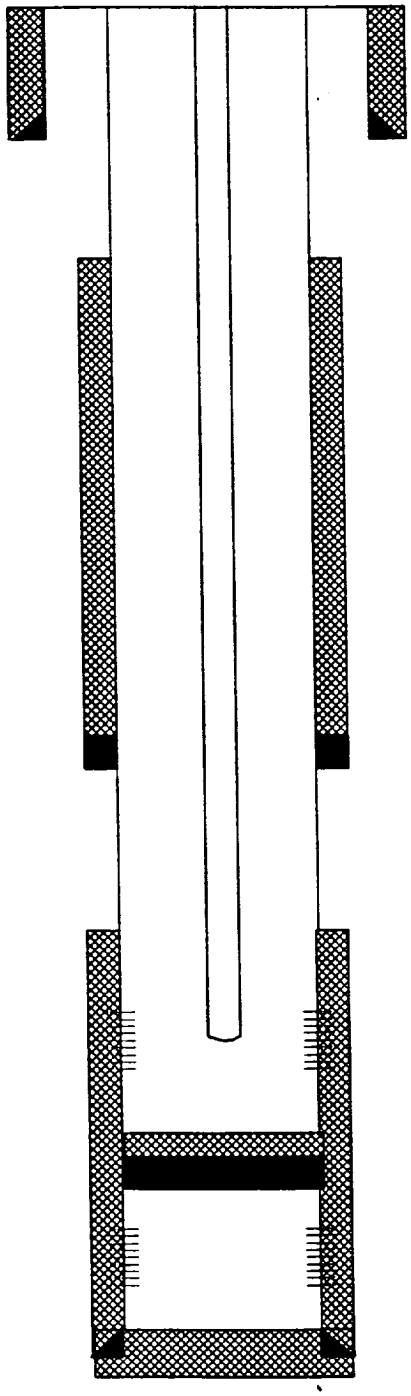
12-3/4" HOLE
10-3/4" CSG @ 328'
W/ 300 SX CMT

2-3/8" TUBING
@ 5918'

8-3/4" HOLE

CIBP @ 6870'
2 SX CMT ON TOP
PBTD 6855'

5-1/2" CSG @ 7140'
w/ 600 SX 1ST STAGE
& 500 SX 2ND STAGE



CMT CIRCULATED

TOC @ 1450'
CALC WITH
25% EXCESS

DV @ 3745'

TOC @ 4770'
TEMP SURVEY

GALLUP
PERFORATIONS:
5910'-6010'

DAKOTA
PERFORATIONS:
6932'-6986'

PBTD - 7101'
TD - 7150'

JICARILLA "B" WELL NO. 4

Workover Procedure

1) MIRU. Install BOP with pipe and blind rams. Pull tubing.

2) RIH with tubing and 5-1/2" M.S. EZ Drill cement retainer. Set retainer at 5890' and squeeze Gallup perforations with 50 sx cmt. Pull out of cement retainer and reverse circulate tubing volume. POOH.

3) Pressure test casing to 1000 psi. If casing will not hold, RIH with tubing and packer. Locate casing leak. Squeeze casing leak with tubing and packer. Volume of cement to be determined from location of leak. If leak can not be squeezed, evaluate plugging and abandonment.

4) Drill out cement retainer at 5890' and clean out to 6850'. Pressure test squeeze to 500 psi.

5) Drill out cement and CIBP located at 6855'. Clean out to a PBTD of 7101'. Obtain fluid sample. POOH.

6) RIH with tubing and packer. RU swab and swab test well.

7) If stimulation is needed stimulate well. Treatment to be determined upon obtaining initial test and fluid samples. 24,000 gallons of load oil was still to be recovered after the well was SOF in 1957.

8) POH w/tubing and packer.

9) RIH with 6950' of 2-3/8" production tubing.

10) RDMOSU.

JICARILLA "B" WELL NO. 4

PROPOSED COMPLETION

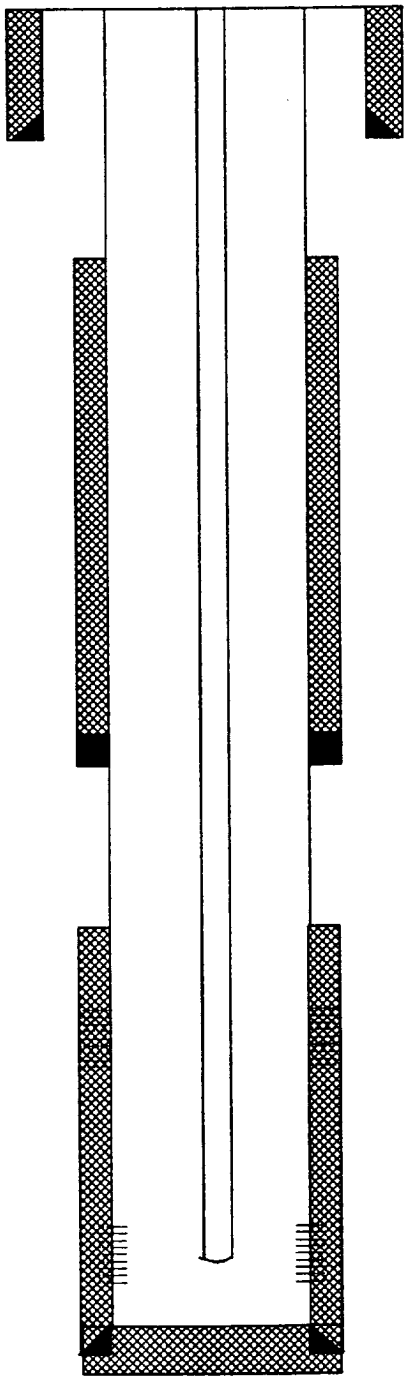
12-3/4" HOLE
10-3/4" CSG @ 328'
W/ 300 SX CMT

2-3/8" TUBING
@ 6950'

8-3/4" HOLE

CIBP @ 6870'
2 SX CMT ON TOP
PBTD 6855'

5-1/2" CSG @ 7140'
w/ 600 SX 1ST STAGE
& 500 SX 2ND STAGE



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GALLUP
PERFORATIONS:
5910'-6010'

SQUEEZED
W/ 50 SX CMT

DAKOTA
PERFORATIONS:
6932'-6986'

PBTD - 7101'
TD - 7150'

Submit to Appropriate District Office
State Lease - 4 copies
Fee Lease - 3 copies

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator	Lease	Well No.
Texaco Inc.	Jicarilla "B"	4

Unit Letter	Section	Township	Range	County
M	32	25N	5W NMPM	Rio Arriba

Actual Footage Location of Well:
660' feet from the South line and 660' feet from the West line

Ground level Elev.	Producing Formation	Pool	Dedicated Acreage:
6662'	Dakota	Basin Dakota	160 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

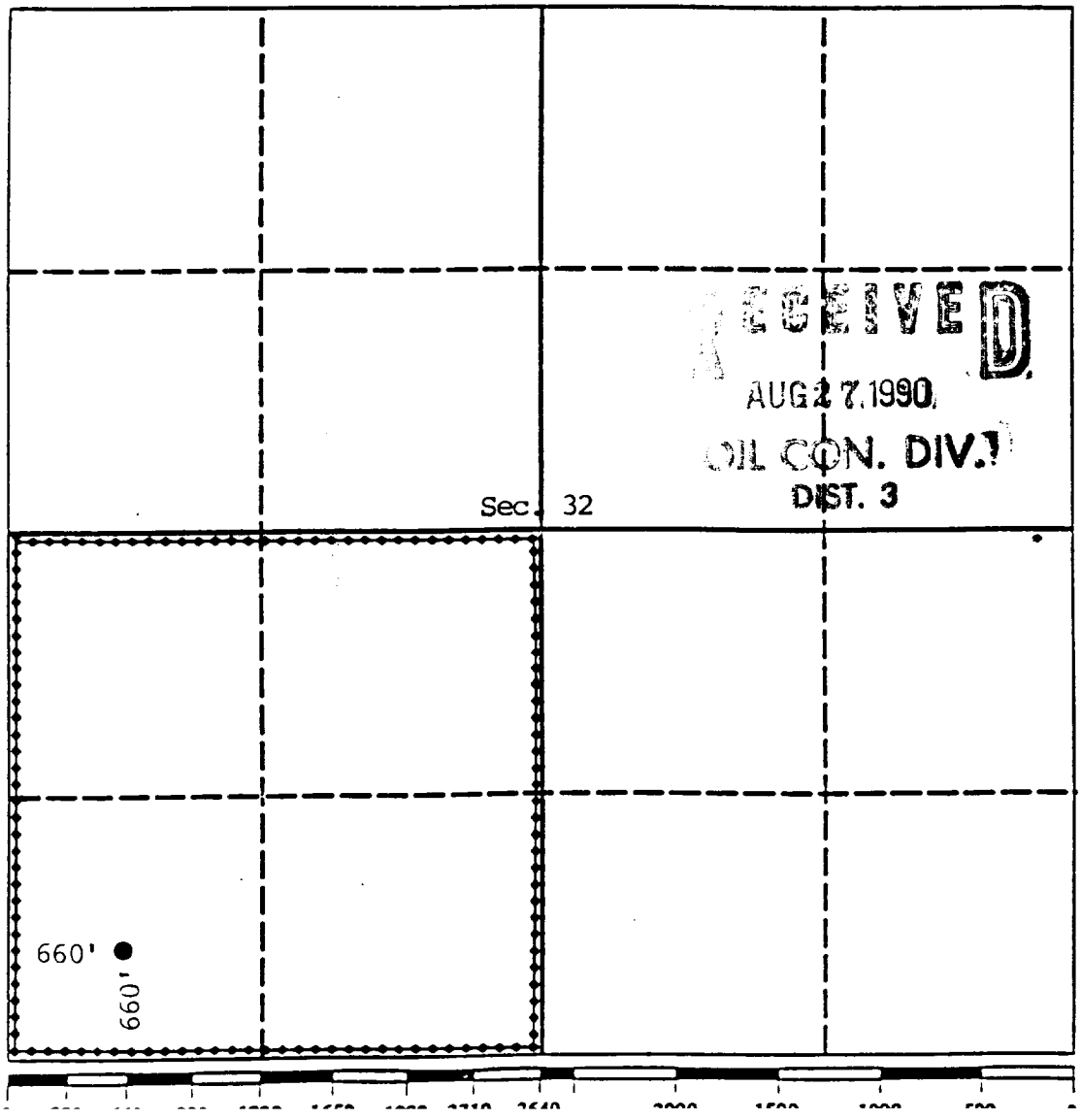
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest 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 interest, has been approved by the Division.



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DIST. 3

OPERATOR CERTIFICATION

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

Signature: Alan A. Kleier

Printed Name: Alan A. Kleier

Position: Area Manager

Company: Texaco Inc.

Date: 7-19-90

SURVEYOR CERTIFICATION

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 supervison, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Signature & Seal of Professional Surveyor

Certificate No.