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

OIL CON. DIVISION

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

'90 JUL 16 AM 8 47

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, N.M. 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 660' FSL and 660' FEL
At proposed prod. zone:

5. LEASE DESIGNATION AND SERIAL NO.: 45614 Cont #68

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Jicarilla Indian

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Jicarilla "B"

9. WELL NO.: # 10

10. FIELD AND POOL, OR WILDCAT: So. Blanco - PC

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

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: Counselor, N.M. (approx. 20 mi.)

12. COUNTY OR PARISH: Rio Arriba

13. STATE: NM

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

16. NO. OF ACRES IN LEASE: 2657

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

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

19. PROPOSED DEPTH: 2620'-2705'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 6715' DF 6706' GR

22. APPROX. DATE WORK WILL START*: 06/18/90

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|---|---|---|---|---|
| | 10 3/4" | 32.75 | 328' | 300 sks. reg. cmt |
| | 5 1/2" | 15.5 | 6134' | 750 sks. reg. cmt |

Texaco, Inc., proposes to plug back the subject well from the Gallup Formation to the Picture Cliff Formation. The attached procedure will be followed.

(See attached procedure)

RECEIVED
JUL 9 1990
OIL CON. DIV
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 06/15/90

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

AS AMENDED
APPROVED
JUL 03 1990
AREA MANAGER

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:
Hold C-104 for NSL & Plat
NMOCD
BLM-Farmington (5), NMOGCC (4), RSL, AAK, MLK

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to

# JICARILLA "B" WELL NO. 10

## Workover Procedure

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

2) RIH with tubing and 5-1/2" M.S. EZ Drill cement retainer. Set retainer at 5970' and squeeze Gallup perforations with 35 sx cmt. Pull out of retainer and spot 5 sx cmt on top.

2A) Spot 25 sk cement plug from 4234 to 4134'

3) Spot 9.2 ppg mud from top of plug to 3600'.

4) Pull up to 3695' and spot a 25 sx cement plug from 3695' to 3595'.

5) Spot 9.2 ppg mud from top of plug to 3500'.

6) Pull up to 3510' and spot a 25 sx cement plug from 3510' to 3410'. POOH.

7) Pressure test casing to 1000 psi. If casing will not hold, RH 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.

8) RU wireline and run GR-CNL-CCL from 3400'-2000'.

9) Perforate Picture Cliff formation with 2 JSPF. Intervals to be determined from GR-CNL-CCL.

10) RIH with a 5-1/2" treating packer on a 3-1/2" 9.2# N-80 tubing string. Set packer 150' above perforations. Load backside and pressure test to 1000 psi.

11) Acidize down tubing with 1500 gal of 15% HCL at 6 BPM and a maximum pressure of 2500 psi. Drop RBS throughout treatment.

12) Unseat packer and knock off RBS. Reset packer 50' above perforations.

13) Frac down tubing at 40 BPM at approximately 3500 psi with 43,000 gal gelled water and 40,000 lb 20/40 sand as follows:
    a) Pump 15,000 gal slickwater pad.
    b) Pump 10,000 gal slickwater w/1.0 ppg 20/40 sand.
    c) Pump 12,000 gal slickwater w/1.5 ppg 20/40 sand.
    d) Pump 6,000 gal slickwater w/2.0 ppg 20/40 sand.
    e) Flush.

14) Shut well in overnight. Flow well back at 1/4 bbl/min.

15) RU swab and swab back load.

16) POH w/tubing and packer. Lay down 3-1/2" tubing.

17) RIH with 2600' of 2-3/8" production tubing.

18) RDMOSU.