

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, 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

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Counselor, N.M. (approx. 20 mi.)

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. 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

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. req. cmt
	5 1/2"	15.5	6134'	750 sks. req. 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

APPROVED

APPROVED BY

TITLE

NMOCD

CONDITIONS OF APPROVAL, IF ANY:

BLM-Farmington (5), NMOGCC (4), RSL, AAK, MLK

*See Instructions On Reverse Side

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 sx 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.

