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

UNITED STATES

SUBMIT IN TRIPLICATE. (Other instructions on reverse side)

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK		5. LEASE DESIGNATION AND SERIAL NO.				
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5 1/2" 15.5 6134' 750 sks. req. cmt		5 1/2"	15.5	6134'		
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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)



OIL CON. DIV

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on predictive sone and proposed new productive 2

reventer program, if any.	ertinent data on subsurface locations and n	neasured and true vertical depths. Give blowou
SIGNED Clan a. Kleier	тіть <u>Area Manager</u>	DATE 06/15/90
(This space for Federal or State office use)		AD AMILIOLO
PERMIT NO.	APPROVAL DATE	APPROVED
APPROVED BY	TITLE NMOCD	APT 03/1990
CONDITIONS OF APPROVAL, IF ANY:		AREA MANAGER
BLM-Farmington (5), NMOGCC (4), RSL, AAK, MLK	
BLM-Farmington (5), NMOGCC (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 255k cement plus from 4234' for 4/34'
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.

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