

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. SF-079602
2. Name of Operator TEXACO EXPLORATION & PRODUCTION, INC.	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. 3300 North Butler, Farmington, New Mexico 87401 (505)325-4397	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 855' FNL, 790' FWL, Unit D, Sec. 29 T 25 N / R 3 W	8. Well Name and No. L.L. McCONNELL No. 14
	9. API Well No. 30-039-25249
	10. Field and Pool, or Exploratory Area WEST LINDRITH GAL/DK
	11. County or Parish, State Rio Arriba, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other _____	<input type="checkbox"/> Dispose Water
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)		

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Texaco E. & P. Inc. proposes the following to the subject well:
Texaco proposes to complete the Mesa Verde formation in the subject well. This well will commingle production from the West Lindrith Gallup-Dakota pool and the Blanco Mesa Verde pool. The NMOCD commingle order has been applied for and is forthcoming.

THE ATTACHED WORKOVER PROCEDURE WILL BE USED:

RECEIVED
MAR 3 1 1994
OIL CON. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct		
Signed <u><i>Shirley Mondy</i></u>	Title <u>Area Manager</u>	Date <u>2/28/94</u>
(This space for Federal or State office use)		
Approved by <u>SHIRLEY MONDY</u>	Title <u>Chief, Lands and Mineral Resources</u>	Date <u>MAR 3 0 1994</u>
Conditions of approval, if any:		

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

Attachment X
L. L. McConnell No. 14
Mesa Verde Workover Procedure

1. Obtain a Gallup/Dakota mixed oil sample under stable producing conditions. Sample will be sent to EPTD (K. K. Busada) for oil fingerprint analysis.
2. MIRUSU.
3. POOH w/ rods, pump and tubing. NDWH, NUBOP.
4. RIH with 2-7/8" TBG with pump seating nipple and PKR. Set PKR at 7775' (between Gallup/Dakota). RIH with rods and pump. Produce Dakota under PKR. Collect Dakota oil sample for typing/fingerprint analysis at EPTD.
5. POOH with PKR, rods and TBG. RIH w/ 5-1/2" RBP and PKR on 2-7/8" TBG to 7722', set RBP (between Gallup/Dakota). PUH w/TBG and PKR one joint. Set PKR, pressure test RBP to 1000 psi. POOH w/TBG and PKR.
6. RIH w/rods, pump, and tubing. Set pump at 7600' (below Gallup interval). NDBOP, NUWH. RDMOSU. Produce Gallup and gather accurate test and fluid level data. Collect oil sample to ship to EPTD for typing/fingerprint Gallup oil.
7. MIRUSU.
8. POOH w/ rods, pump and tubing. NDWH, NUBOP. RIH w/ retrieving head on 2-7/8" TBG. Release 5-1/2" RBP PUH to 6250' reset (above Gallup/Dakota). Load hole and test RBP and CSG to 1000 psi. Dump 2-3 sks sand on RBP. POOH w/TBG.
9. RU wireline and RIH and perf squeeze holes (2 spf) at 5100' and 6175' (no cement across the Mesa Verde interval as per cement bond log [1/21/93]. The 2nd cement stage during primary cementing was not pumped due to hole conditions).
10. RIH w/ PKR on 2-7/8" TBG, set PKR at +/- 5200' and establish circulation between squeeze holes. POOH w/ TBG and PKR (evaluate for additional squeeze holes if circulation is not obtained).
11. RIH w/ CMT RETR on 2-7/8" TBG, set RETR at 6100'+, test RET and TBG to CMT circ pressure. Circ Hole for clean returns using 20# Gel. Circ class "G" CMT with LFL through squeeze holes at 6175' with 375 sks (circ annular volume + 20%). Displace CMT inside TBG to RETR. Sting out of RETR, reverse hole clean, PUH to 5100+' (top squeeze holes). Spot 6 Bbls "Right Angle" CMT. PUH 5 stds, reverse hole. Displace 4 Bbls. POOH. SDFN, WOC.
12. RIH w/bit and collars, drill out CMT and RETR, test CSG to 3000 psi. If casing does not pressure test evaluate for resqueeze. TOH with bit and collars. Run Cement Bond Log.

13. RIH w/ retrieving head on 2-7/8" TBG. Release RBP at 6250', PUH and reset at 6125'. Load hole and test RBP and CSG to 1000 psi. POOH w/TBG.
14. RIH with a casing gun and perforate the following Mesa Verde (Pt. Lookout) sand intervals with 2 JSPF, 120 degree phasing (ref: HLS DSN-SNL log dated 1/9/93):

5936' - 5947'
5960' - 5964'
5972' - 5978'
5986' - 5995'

4 Intervals, 58' Gross, 30' Net, 60 Holes, 5966' Midpoint

NOTE: The following Frac Treatment maybe modified to Frac down CSG @ 60 bpm (Max press. 3000 psi) instead of TBG following favorable evaluation of pressure test and bond log.

15. If Frac Treatment is to be performed down tubing RIH with 5-1/2" treating PKR on 3-1/2" workstring, set PKR @ 5825'. RU Service Company. Pressure up TBG/CSG annulus to 1000 psi. (If down CSG install Frac Tree). Break down Pt. Lookout perfs with 2% KCL water.

If Frac down TBG: Max Pressure = 4000 psi
If Frac down CSG: Max Pressure = 3000 psi

16. Frac Mesa Verde (Pt. Lookout) perfs with 41,000 gals X-Linked 2% KCL gel water and 112,000 lbs 20/40 Brady sand, tailing in with 24,000 lbs resin coated sand as follows:

15,000 gals 30# pad
4,000 gals 30# @ 2 ppg
8,000 gals 30# @ 4 ppg
8,000 gals 30# @ 6 ppg
3,000 gals 25# @ 8 ppg
3,000 gals 25# @ 8 ppg resin coated
5,800 gals Flush 25# Linear Gel

If Frac down TBG: Max Press = 4000 psi Rate = 40 bpm
If Frac down CSG: Max Press = 3000 psi Rate = 60 bpm

Go to flush immediately after all 8 lb is in; do not allow cleaning of the tub before going to flush. Take ISIP. SI well.

17. POOH with 3-1/2" TBG (If TBG was used). RIH w/ retrieving head on 2-7/8" TBG. Release RBP @ 6125', PUH to 5700' reset. Load hole and test RBP and CSG to 3000 psi. POOH w/TBG.

18. RIH with casing gun and perforate the following Mesa Verde (Menefee) sand interval with 2 JSPF (ref: HLS DSN-SNL log dated 1/9/93):

5493'-5498'

5514'-5518'

2 Intervals, 25' Gross, Net 9', 18 Holes, 5505' Midpoint

19. If Frac Treatment is to be performed down tubing RIH w/ 5-1/2" treating PKR on 3-1/2" workstring, set PKR @ 5425'. Pressure up TBG/CSG annulus to 1000 psi. (If down CSG install Frac Tree). Break down Menefee perms with 2% KCL water.

If Frac down TBG: Max Pressure = 4000 psi

If Frac down CSG: Max Pressure = 3000 psi

20. Frac Mesa Verde (Menefee) perms with 31,000 gals X-Linked 2% KCL gel water and 82,000 lbs 20/40 Brady sand, tailing in with 16,000 lbs resin coated sand as follows:

12,000 gals 30# pad

3000 gals 30# @ 2 ppg

6000 gals 30# @ 4 ppg

6000 gals 30# @ 6 ppg

2000 gals 25# @ 8 ppg

2000 gals 25# @ 8 ppg resin coated

5360 gals Flush 25# Linear Gel

If Frac down TBG: Max Press = 4000 psi Rate = 40 bpm

If Frac down CSG: Max Press = 3000 psi Rate = 60 bpm

Flush to top perf with 2% KCL "slick water"; do not overflush. Go to flush immediately after all 8 lb is in: do not allow cleaning of the tub before going to flush. Take ISIP.

21. Shut well in overnight to allow resin coating to cure.
22. Flow back until dead. POOH with 3-1/2" TBG. RIH with 2-7/8" TBG to 5493'. Swab/flow test Mesa Verde (Menefee) interval. Obtain shut in pressure.
23. RIH w/ retrieving head on 2-7/8" TBG and POOH w/RBP @ 5700'. RIH w/ RBP and PKR on 2-7/8" TBG. Set RBP @ 6125'. PUH with PKR and TBG one std, test RBP to 1000 psi. Test Mesa Verde (Point Lookout and Menefee) interval. Obtain shut in pressure.
24. If Mesa Verde completion is successful RIH w/ retrieving head on 2-7/8" TBG and POOH w/RBP @ 6125'. GIH with notched collar, 2-7/8" (1.78" ID) API seating nipple one joint up on 2-3/8" TBG and cleanout to PBTD. POOH. RIH w/rods, pump and 2-7/8" production tubing. NDBOP, NUWH, RDMOSU. Put well on downhole commingled production (MV and G/DK).

25. If Mesa Verde completion is unsuccessful, squeeze Mesa Verde. RIH w/ retrieving head on 2-7/8" tubing and POOH with RBP @ 6125'. GIH with notched collar, 2-7/8" API seating nipple one joint up on 2-7/8" TBG and cleanout tp PBTD. POOH. RIH with Gallup/Dakota production equipment. NDBOP, NUWH, RDMOSU. Return well to G/DK production.

