Form 3160-5
(June 1990)

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

5. Lease Designation and Serial No.: Cont. #44 - Tract #91

6. If Indian, Allottee or Tribe Name: Jicarilla

7. If Unit or CA, Agreement Designation: ---

1. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.: Jicarilla "D" #3

2. Name of Operator: Texaco Inc.

9. API Well No.: 30-039-22996

3. Address and Telephone No.: 3300 N. Butler, Farmington N.M. 87401 (505)325-4397

10. Field and Pool, or Exploratory Area: Mesa Verde - Wildcat

4. Location of Well (Footage, Sec., T., R., M., or Survey Description): 1510' FNL and 1730' FEL G, Sec. 5-T23N-R4W

11. County or Parish, State: Rio Arriba, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
☒ Notice of Intent	☐ Abandonment	☐ Change of Plans
☐ Subsequent Report	☒ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☐ Other _____	☐ 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 Producing Inc. proposes to recomplete the subject well in the Mesa Verde formation. The attached procedure will be followed:

(SEE ATTACHED PROCEDURE)

RECEIVED
SEP 13 1990
OIL CON. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct

Signed Allan A. Kleier Title Area Manager Date 8/21/90

APPROVED
AS AMENDED
SEP 10 1990
Ron Townsend
AREA MANAGER

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

FOR

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.

NMOCD *See Instruction on Reverse Side

TRB

JICARILLA "D" #3 - IDC WORKOVER
Completion of Mesa Verde Interval

Procedure

August 1, 1990

1. MIRUSU. NUBOPs.

2. TOOH w/ rods, pump, and tubing.

3. TIH w/ bit and scraper. TOOH

4. TIH w/ cement retainer on tubing and set @ 5800. Pressure test tubing to 2000 psi. Sting out and pressure test casing to 1000 psi.

5. Establish rate and pressure into retainer. Pump 25 sx. Class B cement into retainer. Sting out of retainer and reverse circulate tubing volume.

6. Spot 15.5 bbls. 9.2 ppg 50 vis fresh water mud from 5800 to 5150.

7. Spot 25 sx cement plug from 5150 to ~4930. Reverse circulate tubing volume.

8. TOOH w/ 2.375" tubing.

9. RU wireline and perforate the following FDC/CNL (6-12-82) interval using a maximum OD debris-free casing gun and premium charges w/ 4 JSPF.

   4860 - 4876 (16')

   NOTE: CBL/CCL/GR log of 10/18/82 is 8' high relative to FDC/CNL.
   RD wireline.

10. TIH w/ tubing and packer to 4880 and spot 500 gal. 7.5% HCl. Spot acid from 4880-4380. Allow acid to soak 30 min. Set packer @ 4350'. Displace acid into perforations using 3% KCl water. Swab/flow back load.

11. TIH w/ tubing and packer to 4830 and reset packer. Flow/swab test perforations and evaluate for fracture stimulation. If oil is swabbed in, collect sample and have tested for frac fluid compatability.

12. If the results in step 11 do not justify fracture stimulation proceed to step 15.

13. Fracture stimulate Point Lookout perforations 4860-76 down casing using 44,000 gals. 20# gelled 3% KCl water and 33,000 # 20/40 Brady sand as follows.

Stage	Volume (gal)	Fluid	Sand	Sand Type
1	20,000	20# gel	Pad	--
2	5,000	"	0.5 PPG - 2,000#	20/40
3	7,000	"	1.0 PPG - 7,000#	"
4	8,000	"	1.5 PPG - 12,000#	"
5	6,000	"	2 PPG - 12,000#	"
6	4,850	"	Flush	--
Total	**48,850**		**33,000#**	

Estimate 35 BPM @ 1500 psi

Fluid to contain: 3% KCl, 20#/1000 gal J-4L gel (or equal), 1 gal/1000 gal F-802 surfactant (or equal), 1 gal/1000 gal B-5 breaker.

14. TIH w/ 2.375" tbg. & pkr. and clean out to PBTD. Set packer @ 4830 and flow test perforations. If flow test is favorable, set RBP @ 4350 w/ 2 sx sand on top and proceed to step 16.

15. TIH w/ cement retainer and set @ 4350. Pump 60 sx Class B into retainer. Sting out and reverse circulate tbg volume.

16. TOOH w/ tubing.

17. RU wireline and perforate the following FDC/CNL (6-12-82) interval using a maximum OD debris-free casing gun and premium charges w/ 4 JSPF.

4280 - 4312 (32')

NOTE: CBL/CCL/GR log of 10/18/82 is 8' high relative to FDC/CNL.
RD wireline.

18. TIH w/ tubing and packer to 4315 and spot 500 gal. 7.5% HCl. Spot acid from 4315-3815. Allow acid to soak 30 min. Set packer @ 3800'. Displace acid into perforations using 3% KCl water. Swab/flow back load.

19. TIH w/ tubing and packer to 4250 and reset packer. Flow/swab test perforations and evaluate for fracture stimulation.

20. If the results in step 19 do not justify fracture stimulation proceed to step 23.

21. Fracture stimulate Cliffhouse perforations 4280-4312 down

casing using 54,000 gals. 20# gelled water and 50,000 # 20/40 Brady sand as follows.

Stage	Volume (gal)	Fluid	Sand	Sand Type
1	20,000	20# gel	Pad	--
2	6,000	"	0.5 PPG - 3,000#	20/40
3	6,000	"	1.0 PPG - 6,000#	"
4	10,000	"	1.5 PPG - 15,000#	"
5	8,000	"	2 PPG - 16,000#	"
6	4,000	"	2.5 PPG - 10,000#	"
7	4,250	"	flush	--
Total	**58,250**		**50,000#**	

Estimate 40 BPM @ 1500 psi

Fluid to contain: 3% KCl, 20#/1000 gal J-4L gel friction reducer (or equal), 1 gal/1000 gal F-802 surfactant (or equal), 1 gal/1000 gal B-5 breaker

22. TIH w/ 2.375" tbg. & pkr. and clean out. Set packer @ 4250 and flow test perforations. If flow test is favorable, proceed to step 26.

23. Squeeze perforations 4280-4312 w/ 25 sx thixotropic cement followed by 25 sx Class B 100-200 ml fluid loss cement using bradenhead method. Spot cement across perforations and hesitate squeeze cement to develop a 1500 psi standing squeeze.

24. If lower zone was productive, TIH w/ bit & drill out cement.

25. TOOH w/ bit.

26. TIH w/ retrieving head and retrieve RBP if necessary.

27. TIH w/ production tubing string and land as appropriate. Put well on production. If neither zone was productive, obtain approved P&A procedure and P&A well.

[1] Acid to be 7.5% NE-HCl w/ 1 gal/1000 gal inhibitor, 1 gal/1000 gal surfactant, 1 gal/1000 gal clay-stay, 5 gal/1000 gal Fe sequestering agent.