Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR RUPEAU OF LAND MANAGEMENT

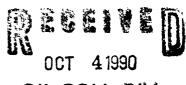
FORM	I APPRO	OVED	
FORM Budget Bur	eau No.	1004-0	13:
Expires	March	31, 1993	3

DUKEAU OF	J. Lease Designation and Serial 110.	
Do not use this form for proposals to d	AND REPORTS ON WELLS rill or to deepen or reentry to a different reser PR PERMIT—" for such proposals	MM-014378 6. If Indian, Allottee or Tribe Name
SUBMIT	IN TRIPLICATE	7. If Unit or CA, Agreement Designation
I. Type of Well Oil Gas Well Other		8. Well Name and No.
2. Name of Operator		H.J. Loe Fed "B" #2
Texaco Inc.	9. API Well No.	
3. Address and Telephone No.		3004595223
3300 N. Butler, Farming	7 10. Field and Pool, or Exploratory Area	
4. Location of Well (Footage, Sec., T., R., M., or Survey D	Fulcher Kutz - PC	
1850' FNL and 2310' FE	L .	11. County or Parish, State San Juan, NM
2. CHECK APPROPRIATE BOX	s) TO INDICATE NATURE OF NOTICE, R	EPORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF AC	TION
Notice of Intent	Abandonment	Change of Plans
Subsequent Report	Recompletion Plugging Back Casing Repair	New Construction Non-Routine Fracturing Water Shut-Off
Final Abandonment Notice	Altering Casing Other	Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
	l pertinent details, and give pertinent dates, including estimated date of	starting any proposed work. If well is directionally drilled.

1.

Texaco Inc. proposes the following workover to recomplete in the Pictured Cliffs formation. The following procedure will be followed:

(SEE ATTACHED PROCEDURE)



OIL CON. DIV. \DIST. 3

$anager p_{ate} = 10/01/90$
APPROVED
OCT 0"1 1990
Ken Townsend

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.

H. J. LOE B FED. #2 - IDC WORKOVER Completion of Pictured Cliffs Interval

Procedure

July 24, 1990

- 1. MIRUSU.
- 2. PU & TIH w/ 2.375" tubing to PBTD of 3122.
- 3. Spot 9.2 ppg 50 vis. freshwater mud from 3122 2370. TOOH to 2370.
- 4. Spot 60 sx. Class G cement 2370 1850. Reverse circ. 1.5 tubing volumes. TOOH w/ tubing. WOC.
- 5. Pressure test casing to 2000 psi.
- 6. RU wireline company and log 1850 min w/ CNL/GR/CCL.
- 7. Perforate the following Pictured Cliffs 4-28-60 IE log intervals:

w/4 JSPF using premium charges and a debris free maximum OD casing gun.

- 8. TIH w/ 2.375" tubing, packer, and 1jt. tailpipe.
- 9. Acidize Pictured Cliffs perfs w/ 500 gals. 7.5% HCl¹. Spot acid from 1730-1240. Allow acid to soak 30 min. Set packer @ 1200'. Displace acid into perforations using 3% KCl water. Swab/flow back load.
- 10. TOOH w/ tubing.
- 11. Fracture stimulate perforations down casing using 55,000 gals. slickwater and 55,000 # 20/40 sand as follows.

Stage	Volume (gal)	Fluid	Sand	Sand Type
1	18,000	Slickwater	Pad	
2	13,000	" 1	PPG - 13,000#	20/40
3	14,000	" 1.5	PPG - 21,000#	11
4	7,500	" 2	PPG - 15,000#	77
5	2,500	" 2	PPG - 5,000#	20/40 RC
6	1,700	rt	Flush	
Total	56,700		54,000#	

Estimate 43 BPM @ 1600 psi

RC = Resin Coated sand Fluid to contain: 3% KCl, 1/2 gal/1000 gal J-433 friction reducer (or equal), 1 gal/1000 gal F-802 surfactant (or equal), 1 gal/1000 gal foamer in last 30,000 gals

NOTE: MONITOR BRADENHEAD OF H. J. LOE B FED #2R THROUGHOUT FRAC TREATMENT. ALLOW BRADENHEAD TO REMAIN OPEN TO ATMOSPHERE AT ALL TIMES.

- 12. Flow back fracture treatment.
- 13. RIH past perfs to PBTD to check for fill. Clean out as neccessary.
- 14. Set tubing at 1675, flow/swab test formation.
- 15. RDMOSU

Acid to be 7.5% 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.