

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
P. O. BOX 3109 UNITED STATES
MIDLAND, TEXAS 79702
GEOLOGICAL SURVEYSUBMIT IN TWO COPIES*
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1425.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. LC-030177 (b)
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Texaco Inc.			7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P. O. Box 3109, Midland, Texas 79702			8. FARM OR LEASE NAME (b) C. W. Shepherd Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 660' FNL & 1980' FEL, Sec. 5, T-26-S, R-37-E At proposed prod. zone			9. WELL NO. 7
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 3 Miles South of Jal, New Mexico			10. FIELD AND POOL, OR WILDCAT Undesignated
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660' N			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5, T-26-S, R-37-E
16. NO. OF ACRES IN LEASE 1120.3			12. COUNTY OR PARISH Lea
17. NO. OF ACRES ASSIGNED TO THIS WELL 40			13. STATE N.M.
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1st Well			20. ROTARY OR CABLE TOOLS Rotary
19. PROPOSED DEPTH 3270' PB			22. APPROX. DATE WORK WILL START* June 15, 1984
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 2977' GR			

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24	1000'	750 Sacks, circulated
7 7/8"	5 1/2"	15.5	3597'	1075 Sacks, circulated

REFER TO ATTACHMENT FOR WORKOVER PROGRAM

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 R. E. Sexton R. E. Sexton TITLE Engineer's Assistant DATE 6-6-84

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

C. W. SHEPHERD FEDERAL (b) WELL NO. 7

Workover program attached to 9-331C dated 6-6-84.

1. Move in: Rig up: Pull rods: Install BOP: pull tbg.
2. GIH w/5 1/2" EZ Drill S.V. cmt. Ret. & 2 7/8" workstring: set Ret. @ 3270' Test & establish Pmp. in Rate & Press. Prep to Pump cmt.
3. Pump 250 sx of Class 'H' cmt w/2% CaCl & .3% CFR-2 (15.6 PPG 1.19 ft 3/sx 5.2 gal/sx) Pull out of Ret.: Circ hole clean w/9# brine H₂O: Swab well down to 2,000' Prep to Perf.
4. GIH w/4" csg gun & Perforate 5 1/2" csg w/2JSPF @ 3204' - 3210' (14 holes) & w/2JSPI @ 3214', 18', 34', 37', 40' (10 holes) P.O.H.
5. Test 2 7/8" N-80 Workstring & Pkr. into hole to 6000 psi: set Pkr @ 3140': Test & Load Back side w/produced H₂O if possible: if not use 9 lb. brine H₂O: Prep to Acidize.
6. Acidizer 5 1/2" csg perfs. (3204' - 3240') w/5,000 gal of 15% NE-FE acid w/clay stabilizers, dropping ball sealers through out treatment: run 100% excess balls: Pull out: Surge Balls off: Pump remaining Acid: Flush to bottom perf w/9 lb brine H₂O.
7. Shut-in one hour.
8. Swab test & evaluate. Note: if GOR exceeds 100,000 Notify Hobbs District Office.
9. Run Production equipment & Place on Production.

RECEIVED

JUN 12 1984

O.C.D.
HOBBS OFFICE