

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☐

DEEPEN ☐

PLUG BACK ☒

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

WOODBINE PETROLEUM, INC.

3. ADDRESS OF OPERATOR

1445 Ross Avenue, Suite 5600 Dallas, TX 75202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface 1980' FNL & 660 FWL

At proposed prod. zone

1980' FNL & 660 FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 15 miles south of Maljamar, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 660'

16. NO. OF ACRES IN LEASE

600

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40 Acres

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. well on lease

1st Delaware

19. PROPOSED DEPTH

6580'

20. ROTARY OR CABLE TOOLS

Rotary - Pulling Unit

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3592 GR

22. APPROX. DATE WORK WILL START*

May 23, 1988

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48#	825'	750 SKS. Circulated
12 1/4"	10 3/4"	40.5#	2651'	700 SKS. Circulated
9 7/8"	8 5/8"	32#	4450'	275 SKS.
7 7/8"	5 1/2"	15.5 - 20#	11,690'	200 SKS.

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

G. O. Schellert

TITLE Executive Vice President

DATE May 11, 1988

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

Scott Adams

TITLE

DATE

5-20-88

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

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.

RECEIVED
MAY 13 11 37 AM '88
CARLETON
AREA

PROPOSED OPERATIONS → see attached

- 1) MIRU. Install BOP
- 2) Set CIBP at 6580'
- 3) Perforate 2 spf. at 6550' - 6554'
- 4) Set retrievable packer at 6520'
- 5) Sting into packer and pump brine water as flush into perforations. Follow with 75 sks. of 75 - 25 poz cement then, follow with 150 sks of class H cement.
- 6) Pull out of hole with retrievable packer tool. Wait on cement then run a cement bond log
- 7) If good cement perforate 6464' - 6474' with 2 shots per foot
- 8) If necessary, acidize w/3000 gallons 15% NEE (maximum rate = 3 BPM, 5000 psi) evaluate
- 9) If necessary, sand fracture w/15,000 gallons cross link gell 400 sks. 20/40 sand. Evaluate and place well on production

CURRENT STATUS OF WELL

This well has been temporarily abandoned since March, 1982. Perforations are at 11,516 - 11,530 and 11,560 - 11,570. There is a fish at 11,125' consisting of 15' of 2 3/8" N-80 tbg., Baker 5 1/2" X 2 3/8" tbg., anchor, 6 jts., of 2 3/8" N-80 tbg., 2 3/8" X 12" SN, 2 3/8" X 3" PN, and 2 jts., of 2 3/8" N-80 mud anchor bull plugged.

Proposed Operations

1. M.I.R.V. Install B.O.P.'s.
2. Set C.I.B.P. @ 11075'. Dump 50' of cement on top of C.I.B.P. with wireline dump boiler. After cement takes initial set, pressure test casing to 300 p.s.i.g.
3. Perforate squeeze holes @ 6850-51, 2 S.P.F.
4. Attempt to establish circulation from 6850 to surface by pumping down casing and up thru Annulus between 5 1/2" and 8 5/8" Casing. Circulate and condition hole.
5. Set EZ S.V. cement retainer @ 6800'. Cement w/ 100 sxs 50/50 pozmix and tail in w/ 150 sxs class H Cement. P.O.Q.H. w/ retainer stinger.
6. W.O.C. After cement cures, run CBL log.
7. If cement is satisfactory, Perforate 6464 to 6474 w/ 2 shots/ft.
8. If necessary, Acidize w/ 3000 gal 15% NEFE Acid. (Max rate - 3 BPM. Max pressure - 5000 psi.)
9. If necessary, Sand Frac w/ 15,000 gallons cross-link gel w/ 400 sxs 20/40 Sand. Evaluate and place well on production.