

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-035-39177

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
 Samson Resources Company

3. ADDRESS OF OPERATOR
 Two West Second Street, Tulsa, Oklahoma 74103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface -525' FWL & 330' FNL
 At proposed prod. zone -525' FWL & 330' FNL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 11 miles NW of Crossroads, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 330'

16. NO. OF ACRES IN LEASE
 40

17. NO. OF ACRES ASSIGNED TO THIS WELL
 160

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

19. PROPOSED DEPTH
 9800'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4299' GL, 4315' DF, 4316' KB

22. APPROX. DATE WORK WILL START*
 March 25, 1985

5. LEASE DESIGNATION AND SERIAL NO.
 NM-0249872A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 None

7. UNIT AGREEMENT NAME
 None

8. FARM OR LEASE NAME
 PRICE FEDERAL

9. WELL NO.
 1

10. FIELD AND POOL OR WILDCAT
 Vada Penn

11. ~~SECTION AND SURVEY OF LAND~~
 Section 8-9S-34E

12. COUNTY OR PARISH
 Lea

13. STATE
 New Mexico

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"	54.5#	400	400 sx CIRCULATE
11"	8-5/8"	24 & 32#	4000	1600 sx
7-7/8"	5-1/2"	17#	9800	250 sx

PROPOSAL: To drill and complete a Penn Bough "C" test to a depth of 9800'

1. Remote controlled hydraulically operated 5000# blow out preventers and 5000# hydril will be used to drill to total depth.
2. The well will be drilled on mud, adequate quantities of mud materials will be maintained to allow continuous operations. Subsurface producing pressure in the area are subnormal; hence no weighting material should be required for the mud.
3. Auxiliary equipment such as pit level indicator, degasser, desander and mud logger will be used if conditions warrant.

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 Charles Waffers Division Drilling Superintendent DATE March 7, 1985

(This space for Federal or State office use)

PERMIT NO. Original 12077 APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE 3-11-85

Subject to Like Approval by State

Unorthodox location

*See Instructions On Reverse Side

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS

RECEIVED

MAR 13 1985

INDIAN OFFICE