

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 ☐ Re-Entry

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Hanson Operating Company, Inc.

3. ADDRESS OF OPERATOR

P. O. Box 1515, Roswell, New Mexico 88202-1515

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

1980' FNL & 1980' FEL, Unit G, SW $\frac{1}{4}$ NE $\frac{1}{4}$

At proposed prod. zone

Same

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

16 miles South of Maljamar, New Mexico

15. DISTANCE FROM PROPOSED*

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

660'

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

N/A

16. NO. OF ACRES IN LEASE

160'

19. PROPOSED DEPTH

10,650'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

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

3631' GR

22. APPROX. DATE WORK WILL START*

May 30, 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#	405'	450 sx Class "H"
11"	8-5/8"	24# & 32#	4370'	1150 sx Lite & 250 sx Class "C"
7-7/8"	New-4-1/2"	11.6#	5050'	Sufficient cem to tie into 8-5/8" @ 200'
7-7/8" Existing	4-1/2"	11.6# & 13.5#	5050-13650'	910 sx Class "H", TOC 9540'

In January, 1981, this well was drilled to a depth of 13,650' by Petroleum Development Corporation. The well was known as Roberts-McKay Federal #1. It was plugged and abandoned in December, 1982. Hanson Operating Company, Inc., proposes a re-entry on this well to the Bone Springs formation. The cement plug, as outlined in Exhibits "E" and "F", will be drilled to the top of the cement above the CIBP, which is set @ 10,650'. 4-1/2" casing will be run and tied into the existing 4-1/2" casing @ 5050'. Cement squeezing will be performed to bring cement from 9300' to 5050' to cover the Bone Spring Sand. Another squeeze will be performed from the top of new cement (5050') to tie 200' back into the 8-5/8" casing. The pay zone will be perforated, treated and evaluated for commercial production. Attached are:

- 1) Well Location & Acreage Dedication Plat
- 2) Supplemental Drilling Data
- 3) Surface Use Plans

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 Brenda R. Godfrey TITLE Production Analyst DATE 04/05/88

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY Act Admin TITLE ACTING DATE 5-16-88

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

RECEIVED
MAY 23 1988
OCT
HOBBS OFFICE