

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

R. J. Smith

3. ADDRESS OF OPERATOR

3303 Lee Parkway, Suite 402, Dallas, Tx. 75219

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

At surface

Unit E, 1650 FNL & 330 FWL, Sec 5, T-23-S, R-38-E

At proposed prod. zone

Unit E, 1650 FNL & 330 FWL, Sec 5, T-23-S, R-38-E

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

8 miles SE Eunice, 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

80

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

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

none

19. PROPOSED DEPTH

7200'

20. ROTARY OR CABLE TOOLS

rotary

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

3372.6 GL

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT	
11"	8 5/8"	24	1300	500 sks	indifferent
7 7/8"	5 1/2"	15.0	7200	700 sks	

Propose to drill a Drinkard well using rotary tools to a depth of 7200'. Cement will be circulated to surface on 8 5/8" casing string. Plan to test significant shows and evaluate with adequate logging program. Completion or abandonment will be performed in accordance with prudent practices and regulatory body requirements. A double ram Series 960 BOP and choke manifold will be used from 8 5/8" casing to total depth.

SEE ATTACHED BOP SKETCH

RECEIVED

JAN 30 1979

U. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

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



TITLE AGENT

DATE

12-7-78

(This space for Federal or State office use)

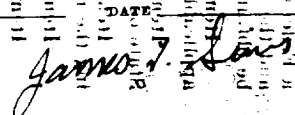
PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:



Application for Drilling
R. J. Smith
Lineberry No. 1 - Federal
Lea County, New Mexico

In conjunction with permitting subject well for drilling, in Sec. 5, Township 23 South, Range 38 East, N.M.P.M., Lea County, New Mexico, submits the following points of pertinent information in accordance with US.G.S. letter of July 1, 1976.

1. The geologic surface formation is Ogallala.
2. The estimated tops of geologic markers are as follows:

Anhydrite	1275	Paddock	5370
Yates	2647	Blingbry	5680
Queen	3640	Tubb	6190
San Andres	4090	Drinkard	6350
Glorietta	5230	Abo	6738

3. The depth at which water, oil or gas are expected to be encountered is:

6350'

4. Casing Program:

8 5/8", 24#, K-55, to 1300' - cmt. w/500 sks.

5 1/2#, 15#, J-55, to 7200' - cmt. w/700 sks.

5. Blowout Preventors:

Ram type Series 900 with double Hydraulic rams. This is a Schaeffer blowout preventor (2000# working pressure, 4000# test). The fill, kill and choke lines are indicated on the BOP specification sheet.

6. Circulating Medium:

Steel and earthern pits will be used to hold mud and cuttings and the drilling fluids as follows:

Natural mud to 4500', paper to control seepage and reduce filter cake in Santa Rosa. Reduce water loss to 10 and viscosity to 36 from 4500' to T.D.

7. The rig will be equipped with safety device such as kelly cock, drill pipe float, full opening stabbing valve, inside drill pipe BOP, etc. Operational tests will be run weekly and results noted on tour sheets.
8. Four drill stem tests will be conducted at depths to be determined.
9. No abnormal pressures or temperatures or potential hazards are expected to be encountered.
10. Anticipated starting date is 3-1-79 with completion of operations expected to be on or about 3-31-79.