

N. M. O. C. C. COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYForm approved.
Budget Bureau No. 42-R1425.

30-015-21581

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

5. LEASE DESIGNATION AND SERIAL NO.

NM-25471

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Seven Rivers Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undesignated

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 17, T-20-S, R-25-E

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

David Fasken ✓

3. ADDRESS OF OPERATOR

608 First National Bank Building, Midland, Texas 79701

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

At surface

660' FNL & 1980' FWL, Sec. 17, T-20-S, R-25-E

At proposed prod. zone

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

8½ miles S.W. Lakewood

JUL 3 1975

12. COUNTY OR PARISH

Eddy

13. STATE

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

O. C. C.

ARTESIA, OFFICE

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

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

3750'

19. PROPOSED DEPTH

9600'

20. ROTARY OR CABLE TOOLS

Rotary

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

3517' GR

22. APPROX. DATE WORK WILL START*

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#	300'	350 sxs.
12-1/4"	8-5/8"	24#	1400'	550 sxs.
7-7/8"	4-1/2"	11.60#	9600'	450 sxs.

1. Drill 17½" hole to 300'.
2. Set 13-3/8" casing at 300', cement to surface and install 12" x 3000 psi W.P. casinghead.
3. Drill 12¼" hole w/water to 1400', control seepage with paper. Dry drill if complete loss of returns is experienced.
4. Load hole with 34 sec. viscosity mud at 1400', if hole is showing seepage.
5. Set & cement 8-5/8" casing at 1400' with sufficient cement to circulate. (Estimate 350 sxs. Halliburton-Lite with ½# flocele, slurry wt. 12.8#/gal. + 200 sxs. Inco Neat with 2% CaCl, slurry wt. 14.8#/gal.). W.O.C. 24 hrs. Install 12" - 3000 PSI W.P. x 10" - 3000 PSI W.P. spool with secondary seal and bit guide, choke manifold, B.O.P., and Hydril.
6. Test casing, casing spool, B.O.P., and choke manifold to 3000 psig with Yellow Jacket. Install P.V.T. equipment and flow sensor.

(continued on reverse side)

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. Robert H. Angevine

Agent

June 19, 1975

SIGNED

TITLE

(This space for Federal or State office use)

SUBJECT TO ATTACHED DEEP WELL CONTROL DATE

JUN 22 1975

REQUIREMENTS DATED

DECLARED WATER BASIN

13 3/8"

CEMENT BEHIND THE
CASING MUST BE CIRCULATEDAPPROVED BY
CONDITIONS OF APPROVAL
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICOAPPROVED
JUN 1 - 1975
H. L. BEEKMAN
ACTING DISTRICT ENGINEER

THIS APPROVAL IS RESCINDED IF OPERATIONS*See Instructions On Reverse Side
ARE NOT COMMENCED WITHIN 3 MONTHS.
EXPIRES OCT 1 - 1975

NOTIFY USGS IN SUFFICIENT TIME TO
WITNESS CEMENTING THE 8 1/8" CASING.

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

7. Drill 7-7/8" hole to a total depth of 9600' using water to drill to 7000', use 5% KCl brine to 9200', mud up with polymer starch mud with 8.7#/gal., 45 sec. viscosity, 10 cc water loss. At 9200' increase viscosity as necessary to maintain hole to total depth.
8. Drill stem test all shows.
9. Run logs (Combination CNL-FDC w/Gamma Ray, DLL, and Dip Meter).
10. Set and cement 4½" oil string (resin coated and centralized through pay zone) with 450 sxs. Incorporate cement with 5# KCl and 0.8% Halad-22. Pump plug down with 5% KCl packer fluid. Run temperature survey to locate cement top.