

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

XXXX ☒ ~~DRILL~~ ☒ Re-Enter DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR

~~MGM Oil Company~~ MGM MINERALS

3. ADDRESS OF OPERATOR

P. O. Box 655- Lovington, New Mexico

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

At surface

660' FNL & 585' FWL Sec. 19

At proposed prod. zone

Sawyer San Andres

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

4 miles east and 20 miles north of Tatum, New Mexico

15. DISTANCE FROM PROPOSED*

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

660' FNL & 585' FWL

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

1900'

16. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

19. PROPOSED DEPTH

5013'

20. ROTARY OR CABLE TOOLS

Rotary

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

3967 Gr.

22. APPROX. DATE WORK WILL START*

3 days upon approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17"	13 3/8"	48#	323'	275 sxs. circulated
8 3/4"	7"	23#	4925'	300 sxs. (Squeezed w/145 sx @ 2322'
6 1/8"	4 1/2"	9.5#	5013'	150 sxs.

1. Install anchors, remove dry hole marker, dig out cellar, install well head and dig pit.
2. Move in and rig up well servicing unit, reverse drilling unit and install BOP.
3. Pick up 7 7/8" bit on drill collar, break circulation, drill out top plug, run bit to cement plug across 13 3/8" surface shoe at 323', drill out cement plug. Drill and circulate hole to top of plug at cut off of 7" casing at 1200'. Clean and condition hole.
4. Put on 4 3/4" bit and string mill, run to stub, get in 7" casing, drill out inside 7" casing and dress top 7" stub. POH
5. Put on 6 1/8" bit, run to stub and get in 7" casing, drill and clean ot to original TD of 5013'. Circulate and condition hole. POH
6. Run Gama Ray-Neutron log.
7. Run full string 4 1/2" J-55 casing, 9.5#, with float shoe to TD of 5013'
8. Cement 4 1/2" casing with 150 sxs. Clean out 4 1/2" casing and displace casin with treated water.
9. Run tie in log and perforate San Andres pay at desired interval.
10. Run tubing with packer, spot 15% HCL acid across perforations and treat.
11. Swab load and test. If commercial production, run and install production equipment.

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. Note: See attached diagram of blow out preventer program.

24.

SIGNED

Cecil J. Jellay

TITLE Petroleum Engineer

DATE 9-20-76

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED
AS AMENDED
OCT 20 1976

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY

Unless the following conditions have
Commenced, this drilling approval
Expires 1-20-77

ARTHUR R. BROWN
DISTRICT ENGINEER

*See Instructions On Reverse Side

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.