

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.

LC 067982-B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

McKay-Shell Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

T-19S, R-32E, NMPM

12. COUNTY OR PARISH 13. STATE

Lea

New Mexico

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL XX

DEEPEN

PLUG BACK

b. TYPE OF WELL

OIL WELL

GAS WELL XX

OTHER

SINGLE ZONE

MULTIPLE ZONE

2. NAME OF OPERATOR

Petroleum Development Corporation

3. ADDRESS OF OPERATOR

9720-B Candelaria, N.E., Albuquerque, N.M. 87112

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

At surface

2310' FSL & 990' FWL Section 3-19S-32E

At proposed prod. zone

Same

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

12 miles south of Maljamar, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

(Also to nearest drig. unit line, if any)

990'

16. NO. OF ACRES IN LEASE

540

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.

450'

19. PROPOSED DEPTH

13,100

20. ROTARY OR CABLE TOOLS

Rotary

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

3666 GL

22. APPROX. DATE WORK WILL START*

October 30, 1975

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"	54.5	375	225 (circulate)
11"	8-5/8"	24 & 32	4600	280 (into salt section)
7-7/8"	5-1/2"	17 & 15.5	13,100	275

Set 13-3/8" casing at approximately 375', circulate cement to surface.

Test BOP and surface casing to 500' for 30' before drilling out. WOC 8 hrs.

Drill 11" hole to approximately 4600', set and cement 8-5/8" intermediate casing.

Test 8-5/8" casing and BOP to 3000'. WOC 12 hours.

Drill 7-7/8" hole to 13,000', testing all significant shows of oil or gas.

Set 5-1/2" casing at approximately 13,000'. See attached mud program.

Complete by jet perforating indicated pay intervals and acidizing or fracturing as need is indicated.

A 1500-Series BOP and Hydril with remote controls will be used. A rotating drilling head will be used for drilling Wolfcamp and below. See attached preventer layout.

Designation of Operator from Shell Oil Co. is attached.

24. 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.

SIGNED

J. C. Johnson
J. C. Johnson

TITLE

Vice President

DATE

10/20/75

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED
AS AMENDED
OCT 31 1975
ARTHUR R. BROWN
DISTRICT ENGINEER

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

OCT 31 1975

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.

RECEIVED
JUN 6 1975
U.S. GOVERNMENT PRINTING OFFICE