

NM OIL CONS. COMMISSION

Drawer D0

Artesia, NEW MEXICO STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE

(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

Form 2-231C
(May 1966)

C/SF

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

Southland Royalty Company

3. ADDRESS OF OPERATOR

1100 Wall Towers West, Midland, Texas 79701

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

760' FSL, 1980' FEL, Sec. 5, T-18-S, R-30-E
At proposed prod. zone

Same

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

3 miles South of Loco Hills, New Mexico

15. DISTANCE FROM PROPOSED*

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

760'

16. NO. OF ACRES IN LEASE

320

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

NA

19. PROPOSED DEPTH

11,900'

17. NO. OF ACRES ASSIGNED TO THIS WELL

320

20. ROTARY OR CABLE TOOLS

Rotary

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

3553.1' GR

22. APPROX. DATE WORK WILL START*

3-15-82

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	11 3/4"	42#	275'	500 sxs. (Circ.)
11"	8 5/8"	28 & 24#	3350'	2000 sxs. (Circ.)
7 7/8"	4 1/2"	13.5 & 11.6#	11,900'	Volume may vary w/upper zone development (TOC by Temp Survey)

Set surface csg @ 275' Anhydrite. Circ cmt. Drill 11" hole w/brine wtr & set 8 5/8" csg @ 3350'. Circ cmt. Drill to TD to test Atoka & intermediate horizons. If commercial, run 4 1/2" csg to TD. Cmt w/sufficient volume to bring above all prospective zones. Estimated TOC @ 8500'. Perforate & stimulate Atoka for production.

MUD PROGRAM: 0-275' spud mud; 275-3350' brine wtr; 3350-8300' cut brine wtr; 8300-10,500' cut brine, gel & Drispac; 10,500-TD cut brine, gel, Drispac & 3% KCL. MW 9.3-9.5, vis 34-35, FL 6 cc thru Atoka. BHP @ TD expected to be 4000 psi.

BOP PROGRAM: BOP to be installed on 11 3/4" Double 10" Ser 900. BOP to be installed on 8 5/8" Double 10" Ser 900 plus 10" Ser 900 Hydril plus drillinghead. Test BOP w/Yellow Jacket, Inc. after setting on 8 5/8". Test BOP @ 8000'.

GAS NOT DEDICATED

RECEIVED
FEB 22 1982

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 District Operations Engineer DATE 2-19-82

(This space for Federal or State office use)

PERMIT NO.

APPROVED

(Orig. Sgd.) ROGER A. CHAPMAN

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

MAR 18 1982

FOR

JAMES A. GILLHAM
DISTRICT SUPERVISOR

APPROVAL DATE

APPROVAL SUBJECT TO

TITLE GENERAL REQUIREMENTS AND

SPECIAL STIPULATIONS
ATTACHED

DATE

*See Instructions On Reverse Side

Noted ID-1
API + NL Book
3-26-82

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.