

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYH. M. CONSTRUCTION
RECEIVEDP. O. BOX 1880
MOBSS, NEW MEXICO

5. LEASE DESIGNATION AND SERIAL NO.

83240
M-19004-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Vaca Ridge "27" Federal Com.

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Pitchfork Ranch (Morrow)

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

Sec. 27, T-24-S, R-34-E

12. COUNTY OR PARISH

Lea

N.M.

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

21 Desta Drive, Midland, Texas 79701

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

At surface

1980' FSL & 1980' FWL, Sec. 27, T-24-S, R-34-E

At proposed prod. zone

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

18 miles southwest of Jal, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any) 1980'

16. NO. OF ACRES IN LEASE

320

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.

N.A.

19. PROPOSED DEPTH

15,400'

20. ROTARY OR CABLE TOOLS

Rotary

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

3449.3' GR

22. APPROX. DATE WORK WILL START*

9-1-83

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#	600'	500 sx. CIRCULATE
12 1/4"	9 5/8"	36#	5250'	3500 sx. CIRCULATE
8 3/4"	7"	26#	13,250'	3000 sx.
6 1/8"	4 1/2"	15.10#	15,400'	500 sx.

Set 20" conductor @ 40'. Drl 17 1/2" hole and set 13 3/8" csg @ 600'. Circ cmt. Drl 12 1/4" hole and set 9 5/8" csg @ 5250'. Circ cmt. Drl 8 3/4" hole and set 7" csg @ 13,250'. Circ cmt up to 5250'. Drl 6 1/8" hole and set 4 1/2" liner from 12,950' to 15,400'. Complete in Morrow thru 2 7/8" tbg and PBR set in top of liner.

MUD PROGRAM: 0-600' spud mud; 600-5250' Brine water; 5250-13,250' cut Brine water; 13,250-15,400' invert oil base mud. MW 14.7#, VIS 60. BHP @ TD expected to be 10,000 psi.

BOP PROGRAM: 12"-3M annular BOP to be installed on 13 3/8" csg. 11"-10M BOP stack to be installed on 9 5/8" and left on for remainder of drilling. Stack to consist of drilling head, annular BOP, blind ram BOP, and two pipe ram BOP's. Test BOP's after setting 9 5/8" csg & 7" csg w/Yellow Jacket, Inc.

GAS NOT DEDICATED

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 F.N. RAD by D. RobertTITLE District Operations Engineer DATE 7/29/83

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY A.G. Lopez

TITLE

DATE 8/2/83

CONDITIONS OF APPROVAL, IF ANY

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
AUG 17 1983
G.C.D.
INDEXES OFFICE