

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well other

2. NAME OF OPERATOR
Southland Royalty Company

3. ADDRESS OF OPERATOR
P. O. Drawer 570, Farmington, New Mexico

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1050' FNL & 1650' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

SUBSEQUENT REPORT OF:

(other) Change surface casing & cement program

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

REVISED PROGRAM:

HOLE SIZE	CASING SIZE	WT./FT.	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	32#	200'	106 sxs (125 cu.ft.)
8-3/4"	5-1/2"	15.5#	6703'	Stg 1- 265 sxs (321 cu.ft.) Stg 2 200 sxs (296 cu.ft.) Stg 3- 305 sxs (304 cu.ft.)

Subsurface Safety Valve: Manu. and Type

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE District Production Manager

DATE

October 31, 1979

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

NMOCC

*See Instructions on Reverse Side

5. LEASE
SF-076958

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Hare

9. WELL NO.
#19E

10. FIELD OR WILDCAT NAME
Basin Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 23, T29N, R10W

12. COUNTY OR PARISH
San Juan

13. STATE
New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

RECEIVED

NOV 02 1979

(NOTE: Report results of multiple completion or zone
S. GEOLOGICAL SURVEY
FARMINGTON, FORM 9-330

DRILLING SCHEDULE - HARE #19E

Location: 1050' FNL & 1650' FWL Section 23, T29N, R10W, San Juan County, New Mexico

Field: Basin Dakota Elev. 5746' TD 6703'

Geology:

Formation Tops:	Ojo Alamo	1158'	Pt. Lookout	4368'
	Fruitland	1788'	Gallup	5613'
	Pictured Cliffs	2118'	Graneros	6433'
	Cliff House	3693'	Dakota	6553'

Logging Program: IES from surface casing to total depth.
GR-Density from TD to Chacra top.

Coring Program: None

Natural Gauges: None

Drilling:

Contractor: Four Corners Rig #9

Tool Pusher: Jack Gwin

SRC Representative: Max Larson

SRC Answering Service: 325-1841
Dispatch Number: 325-7391

Mud Program: Fresh water mud to top of Pt. Lookout. Pretreat gel mud with 10% LCM. Maintain Mud weight at 9.0 to 9.2. Vis to 35 sec. W.L. at 12 to 15.

Materials

Csg Program:	Hole Size	Depth	Csg. Size	Wt. & Grade
	12-1/4"	200'	9-5/8"	32# K-55
	8 3/4"	6703'	5-1/2"	15.5# K-55

Float Equipment:

9-5/8" Surface Casing: Pathfinder Guide Shoe.

5-1/2" Production Casing: Pathfinder guide shoe and Howco self-fill insert valve. Run five centralizers every other jt from shoe. Run Dowell stage tool at 4768' and 2318'. Run cement basket 1 joint below and 5 centralizers above each tool.

Wellhead Equipment: 9-5/8" X 10", 2000# Bradenhead with 5-1/2" casing hanger.
10" X 6", 2000# tubing head and tree.

DRILLING SCHEDULE - HARE #19E

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CEMENTING:

8.625" (9-5/8") surface casing: 106 sxs (125 cu. ft.) of Class "B" with 1/4# gel flake/sx and 3% CaCl. WOC 12 hrs. Test to 600# prior to drilling out. (Volume is 100% excess)

5.500" (5-1/2") Production String:

Stage 1: 215 sxs (321 cu. ft.) of 50/50 Poz with 6% gel, 1/4# gel flake/sx followed by 50 sxs neat w/2% CaCl. (30% Excess to cover Gallup.)

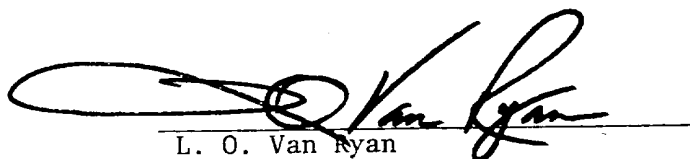
Stage 2: 200 sxs (296 cu. ft.) of the same as above. (50% Excess to cover Cliff House.)

Stage 3: 205 sxs (304 cu. ft.) of 50/50 Poz with 6% gel, followed by 100 sxs Neat with 2% CaCl. (50% excess to cover Ojo Alamo.)

Run Temperature Survey after 12 hrs.

after 12 hours.

WOC and Circulate between stages as required by well conditions.


L. O. Van Ryan