

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-045-27646
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FEB 16 1990

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

1a. TYPE OF WORK DRILL	5. LEASE NUMBER SF-079037
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR SOUTHLAND ROYALTY CO.	7. UNIT AGREEMENT NAME
3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499	8. FARM OR LEASE NAME HALE
4. LOCATION OF WELL 1695'S 895'W	9. WELL NO. 2R
14. DISTANCE IN MILES FROM NEAREST TOWN 5 MILES NE OF ABE'S STORE	10. FIELD, POOL, OR WILDCAT BLANCO MESA VERDE
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE. 895'	11. SEC. T. R. M OR BLK. / SEC. 27 T31N R08W NMPM
16. ACRES IN LEASE 12.80	12. COUNTY SAN JUAN
17. ACRES ASSIGNED TO WELL w/ 320.00	13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. COMPL., OR APPLIED FOR ON THIS LEASE. 900'	19. PROPOSED DEPTH 5980'
20. ROTARY OR CABLE TOOLS ROTARY	21. ELEVATIONS (DF, FT, GR, ETC.) 6343'GL
22. APPROX. DATE WORK WILL START	
23. PROPOSED CASING AND CEMENTING PROGRAM	

*SEE OPERATIONS PLAN

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24. AUTHORIZED BY:

REG. DRILLING ENGR.

OIL CON. DIV.
DIST. 3

2/15/90
DATE

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY _____ TITLE _____

DATE _____

APPROVED
AS AMENDED

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-3.

MAR 12 1990

AREA MANAGER

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

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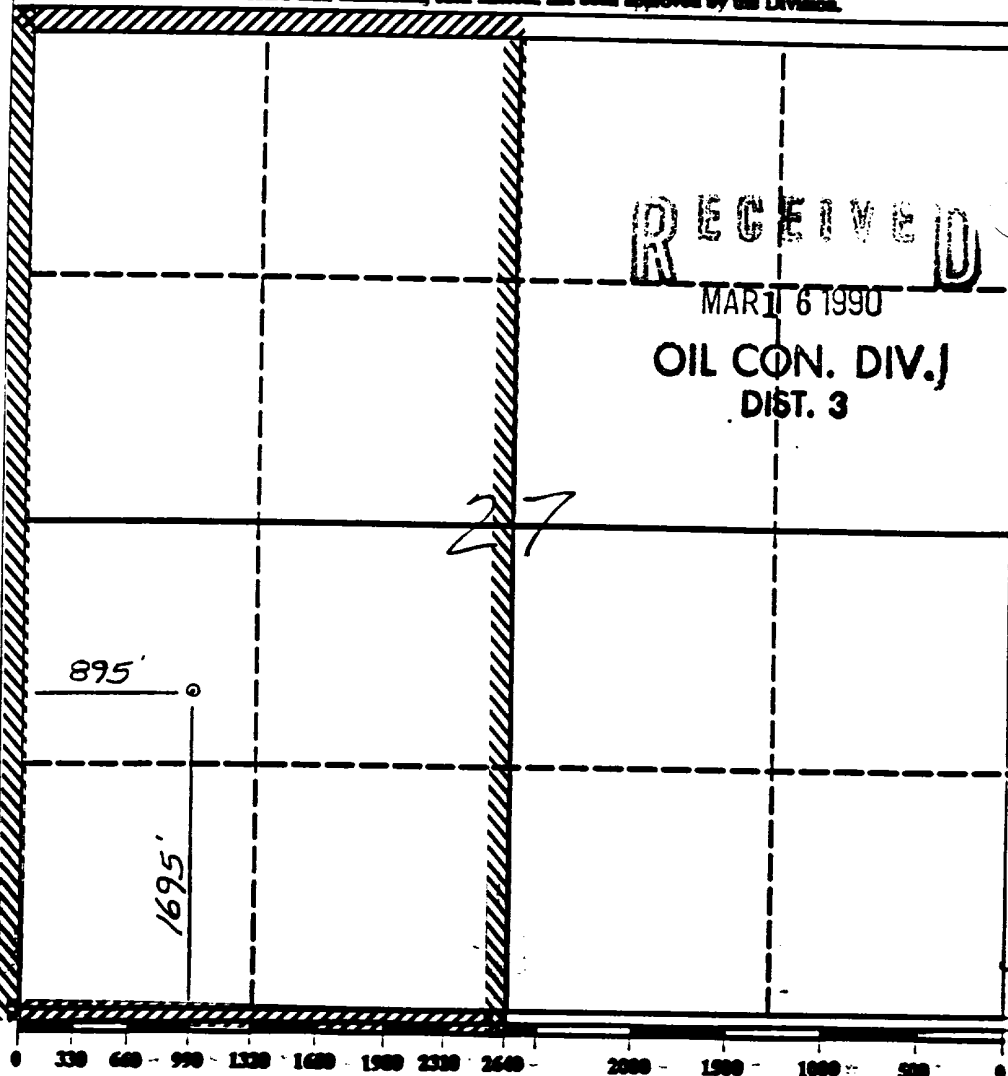
BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

Operator Southland Royalty Company			Lease Hale		Well No. 2R
Unit Letter L	Section 27	Township 31 North	Range 8 West	County San Juan	NMPLM
Actual Footage Location of Well: 1695 feet from the South line and 895 feet from the West line					
Ground level elev. 6343'	Producing Formation Mesa Verde		Foot Blanco Mesa Verde	Dedicated Acreage: 320.00 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or ink lines on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by commutation, unitization, force-pooling, etc.?

☐ Yes ☐ No If answer is "yes" type of consolidation
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by commutation, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to best of my knowledge and belief.

Signature
Peggy Bradfield
Printed Name
Peggy Bradfield
Position
Regulatory Affairs
Company
Southland Royalty
Date
1-19-90

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes, actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
NEALE C. EDWARDS
Signature of Surveyor
857
Professional Surveyor

REGISTERED LAND SURVEYOR
6857

OPERATIONS PLAN

Well Name - HALE #2R

Date: 16-Feb-90

I. Location: 1695' FSL, 895' FWL, Sec. 27, T31N, R08W

San Juan County, NM

Field: BLANCO MESA VERDE

Elevation: 6343 'GL

II. Geology:

A. Formation Tops:	San Jose	Surface	Chacra	4036 '
	Ojo Alamo	2216 '	Cliffhouse	4972 '
	Kirtland	2276 '	Menefee	5166 '
	Fruitland	2926 '	Pt. Lookout	5476 '
	Pictured Cliffs	3236 '	Intermediate TD	3700 '
	Lewis	3516 '	Total Depth	5980 '

B. Logging Program: Inter Depth logs: NONE
 Total Depth Logs: GR-IND, D, N, TEMP.

C. Coring: None

D. Natural Gauges: 4000', 4275', 4900', 5100', 5130', 5500',
 5980'. Also gauge any noticeable increase in gas.
 Record all gauges in IADC daily drilling report and
 on MERIDIAN OIL morning report.

III. Drilling:

A: Mud Program: Mud from surface to ITD@ 3700 '. Gas from intermediate casing to Total Depth.

IV. Materials:

A. Casing Program:	Hole Size	Depth	Csg Size	Weight	Grade
	12 1/4"	400 '	9 5/8"	32.3#	H-40
	8 3/4"	3700 '	7"	20.0#	K-55
	6 1/4"	5980 '	4 1/2"	10.5#	K-55

B. Float Equipment: 9 5/8" surface casing - Saw Tooth guide shoe.

7" intermediate casing - guide shoe and self-fill insert float valve.
 Five centralizers run every other joint above shoe. Run float two
 joints above the guide shoe.

4 1/2" production casing - liner hanger with neoprene packoff. Cement
 nose guide shoe and float collar run above a 6' shoe joint.

C. Tubing: 5980 ' of 2 3/8", 4.7#, J-55 8rd EUE tubing with a seating
 nipple one joint off bottom and expendable check valve on bottom.

D. Wellhead Equipment: 9 5/8" x 11" 2000 psi xmas tree assembly.

Hale #2R
1695' FSL, 895' FWL
Sec. 27, T31N, R8W
San Juan County, NM

350' New Construction
Map #1

