

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

37-034-25089
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL		RECEIVED AUG 08 1991 OIL CON. DIV. DIST. 3	5. LEASE NUMBER JIC CONT. #416	
1b. TYPE OF WELL OIL			6. IF INDIAN, ALL. OR TRIBE NAME JICARILLA APACHE	
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 MEDIO CANYON	
4. LOCATION OF WELL 2310'FNL 660'FWL /			9. WELL NO. 7	
14. DISTANCE IN MILES FROM NEAREST TOWN 14 MILES W LINDRITH, NM			10. FIELD, POOL, OR WILDCAT WEST LINDRITH GALLUP DAKOTA	
			11. SEC. T. R. M OR BLK. SEC. 35 T24N R04W NMPM	
15. DISTANCE FROM PROPOSED LOCATION 660' TO NEAREST PROPERTY OR LEASE LINE.			12. COUNTY RIO ARRIBA	
			13. STATE NM	
16. ACRES IN LEASE			17. ACRES ASSIGNED TO WELL 160.00	
			2560 This section is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.	
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 1000' COMPL., OR APPLIED FOR ON THIS LEASE.			19. PROPOSED DEPTH 7500'	
			20. ROTARY OR CABLE TOOLS ROTARY	
21. ELEVATIONS (DF, FT, GR, ETC.) 7042'GL			22. APPROX. DATE WORK WILL START	
23. PROPOSED CASING AND CEMENTING PROGRAM				
*SEE OPERATIONS PLAN				
24. AUTHORIZED BY: 			7/15/91 DATE	
REG. DRILLING ENGR.				

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

**APPROVED
AS AMENDED**

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

ARCH REPORT SUBMITTED 05/02/91

NMOCD

AUG 05 1991
AREA MANAGER

Handwritten note: Held 2-10-94 for US (2)

Submit to Assessor
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

Operator Southland Royalty Company			Lease Medio Canyon		Well No. 7
Unit Letter E	Section 35	Township 24 North	Range 4 West	County Rio Arriba	
Actual Footage Location of Well: 2310 feet from the North line and 660 feet from the West line					
Ground level Elev. 7042'		Producing Formation Gallup Dakota		Pool West Lindrith	Dedicated Acreage: 160.00 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hectare marks 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 communitization, 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 communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.

5280' UNSURVEYED	
2310'	JICARILLA CONTRACT #416
660'	
35 RECEIVED	
AUG 08 1991	
OIL CON. DIV.	
DIST 3	
5280.00	

OPERATOR CERTIFICATION

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

Peggy Bradford
Signature

Peggy Bradford

Printed Name

Regulatory Affairs

Position

Southland Royalty

Company

7-10-91

Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of 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.

6-18-91

Date Surveyed

Neale C. Edwards
Signature

Professional Surveyor



Certificate No.

Neale C. Edwards

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

OPERATIONS PLAN
MEDIO CANYON #7

07-09-91

Location: 2310' FNL, 660' FWL Sec. 35-T24N-R04W
Rio Arriba County, New Mexico
Field: West Lindrith Gallup Dakota
Elevation: 7042' Graded Ground Level

Formation Tops			
San Jose	Surface	P. Lookout	5050'
Ojo Alamo	2350'	Mancos	5230'
Fruitland	2845'	Kgl.	6135'
T/ F. Coal	2855'	T/ GH	7045'
B/ F. Coal	2955'	B/ GH	7105'
Pictured Cliffs	2955'	T/ Gran	7120'
Lewis	2980'	Dakota	7230'
Mesaverde	4510'		
Meneffee	4545'	Total Depth	7550'

Logging Program: Mud logs from 2800' to 3000', 5500' to TD.
LDT/CNL/GR: TD - Int. TD
FMS: (1200ft) - TD - Int. TD
DIL/GR: TD to Surface

Mud Program:				
<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Visc.</u>	<u>Fl.Loss</u>
0 - 200'	Spud	8.4 - 8.9	40-50	no control
200' - 7550'	Non-dispersed	8.4 - 9.1	30-60	> 12 cc's

Casing Program:				
<u>Hole size</u>	<u>Measured</u>	<u>Casing</u>	<u>Weight</u>	
<u>(inches)</u>	<u>Depth (Ft)</u>	<u>Size (in)</u>	<u>(lbs/ft)</u>	<u>Grade</u>
12 1/4"	200'	8 5/8"	24.0	K-55
7 7/8"	7550'	4 1/2"	10.5	K-55

Casing Equipment:

1. 8 5/8" Surface Casing - Sawtooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.
2. 4 1/2" Production Casing - Cement nose guide shoe on bottom, float collar one joint off bottom. Stage tools at 6000' and 3100'. Centralizers spaced as follows: One every other joint from shoe to Ojo Alamo. Two (2) turbolizing type centralizers -one below and one into the Ojo Alamo @ 2530'. One every fourth joint from top of Ojo Alamo to surface.

Tubing: 7700' of 2 3/8", 4.7#, J-55, 8rd EUE tubing with a seating nipple one joint off bottom and an expendable check valve on bottom.

Wellhead Equipment: 8 5/8" x 4 1/2" x 2 3/8" - 11" (3000psi) Wellhead

