

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

30-039-25443

1a. Type of Work DRILL	5. Lease Number Jic. Contract 447	
1b. Type of Well GAS	6. If Indian, All. or Tribe Jicarilla Apache. ✓	
2. Operator SOUTHLAND ROYALTY 21281	7. Unit Agreement Name	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 10528 Jicarilla 447 ✓ 9. Well Number 3 ✓	
4. Location of Well 925' FSL, 1420' FWL Latitude 36° 34' 06", Longitude 107° 11' 17"	10. Field, Pool, Wildcat, CAVELAN 71360 Choza Mesa Pic. Cliffs ✓ 72319 Blanco Mesa VERDE 11. Sec., Twn, Rge, Mer. N Sec 18, T-27-N, R-3-W ✓ NMPM	
14. Distance in Miles from Nearest Town 40 miles to Counselors	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 925'	17. Acres Assigned to Well W/ 286.31/141.95 ✓	
16. Acres in Lease		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 6000'		
19. Proposed Depth 6660'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 7140' GR ✓	22. Approx. Date Work will Start 2nd quarter 1994	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>[Signature]</u> Regional Drilling Engineer	Date <u>3/25/94</u>	

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY Yolanda Vega

Acting AREA MANAGER
TITLE RIO PUECO RESOURCE AREA

DATE AUG 10 1994

Archaeological Report to be submitted

Threatened and Endangered Species Report to be submitted

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

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-182
Revised 5-1-89

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, Arama, NM 88210

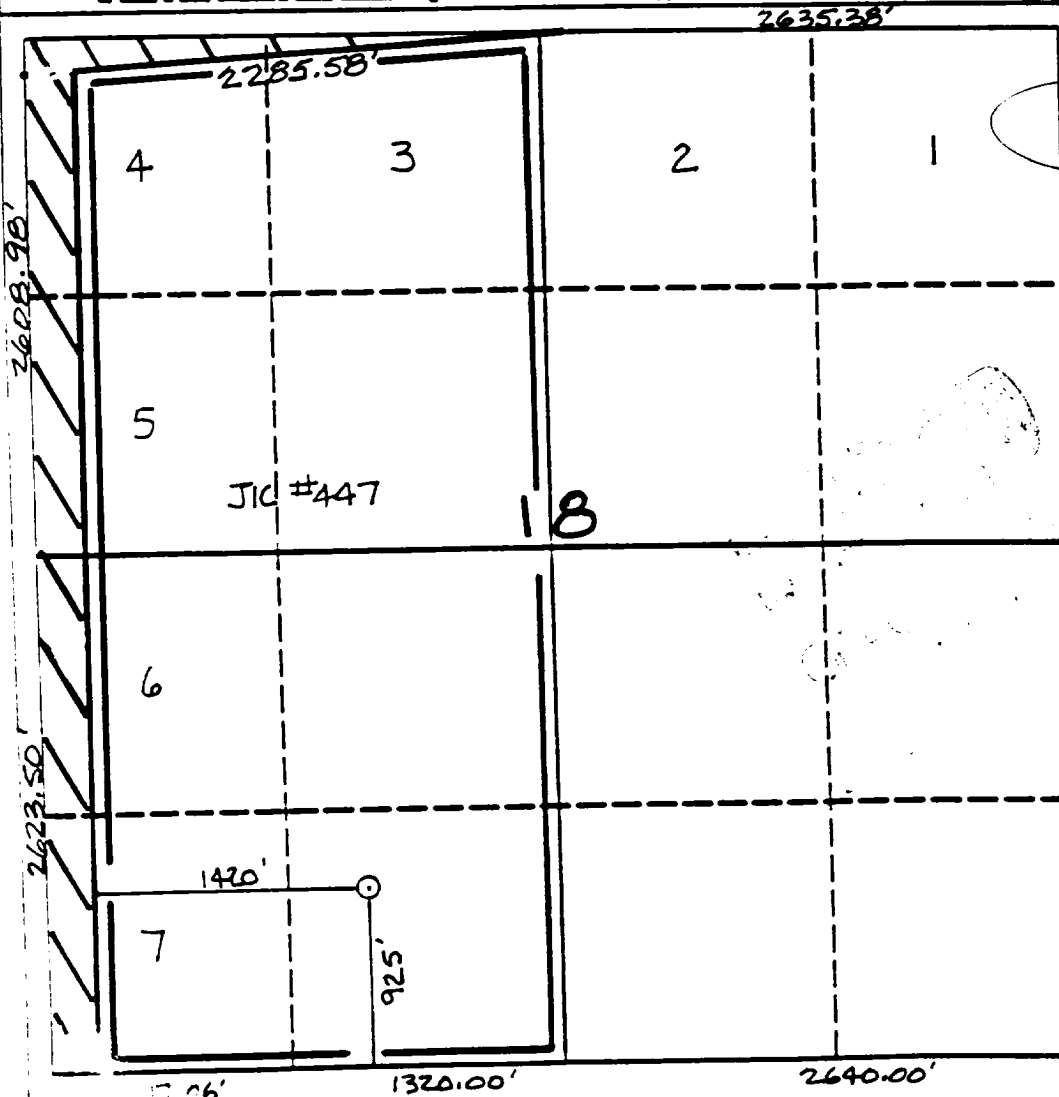
DISTRICT III
1000 Rio Arriba Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Southland Royalty Company		Lease Jicariilla 447		Well No. 3
U.S. Latent N	Section 18	Township 27 North	Range 3 West	County Rio Arriba
Actual Footage Location of Well: 925 feet from the South line and 1420 feet from the West line.				
Ground level Elev. 7140'	Producing Formation Mesa Verde/Pic.Cliffs	Pool Blanco/Choz-Mesa	Dedicated Acreage 286.31/141.95 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or ink on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been considered by communication, unanimous, force-pooling, etc.?
☐ Yes ☐ No If answer is "yes" type of consideration _____
If answer is "no" list the owners and tract descriptions which have actually been considered. (Use reverse side of this form if necessary).
No allowable well be assigned to the well until all interests have been considered (by communication, unanimous, 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 the best of my knowledge and belief.

Signature
Peggy Bradfield

Printed Name
Regulatory Representative

Position
Southland Royalty

Company
3-21-94

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. 10-14-93

Date Surveyed
Needle C. Edwards
Signature
Professional Surveyor
9857

6857

March 22, 1994

OPERATIONS PLAN

Well Name: Jicarilla 447 #3
Location: 925'FSL, 1420'FWL Section 18, T-27-N, R-3-W
 Rio Arriba County, New Mexico
 Latitude: 36° 34' 06", Longitude 107° 11' 17"
Formation: Choza Mesa Pictured Cliffs/Blanco Mesa Verde
Elevation: 7140'GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	3405'	
Ojo Alamo	3405'	3635'	aquifer
Kirtland	3635'	3770'	
Fruitland	3770'	3960'	gas
Pictured Cliffs	3960'	4135'	gas
Lewis	4135'	4575'	
Intermediate TD	4285'		
Chacra	4575'	5675'	
Upper Cliff House	5675'	5800'	gas
Menefee	5800'	6055'	gas
Point Lookout	6110'		gas
Total Depth	6660'		

Logging Program:

Openhole Wireline Logging -
 Surface to Intermediate : DIL-GR, FDC-CNL & ML
 Intermediate TD to Total Depth : DIL-GR, FDC-CNL & Temp
 Mud Logs/Coring/DST -
 Mud logs - 3350' to Total Depth
 Coring - none
 DST - none

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 200'	Spud	8.4-8.9	40-50	no control
200-4285'	LSND	8.4-9.1	30-60	no control
4285-6660'	Gas/Mist	n/a	n/a	n/a

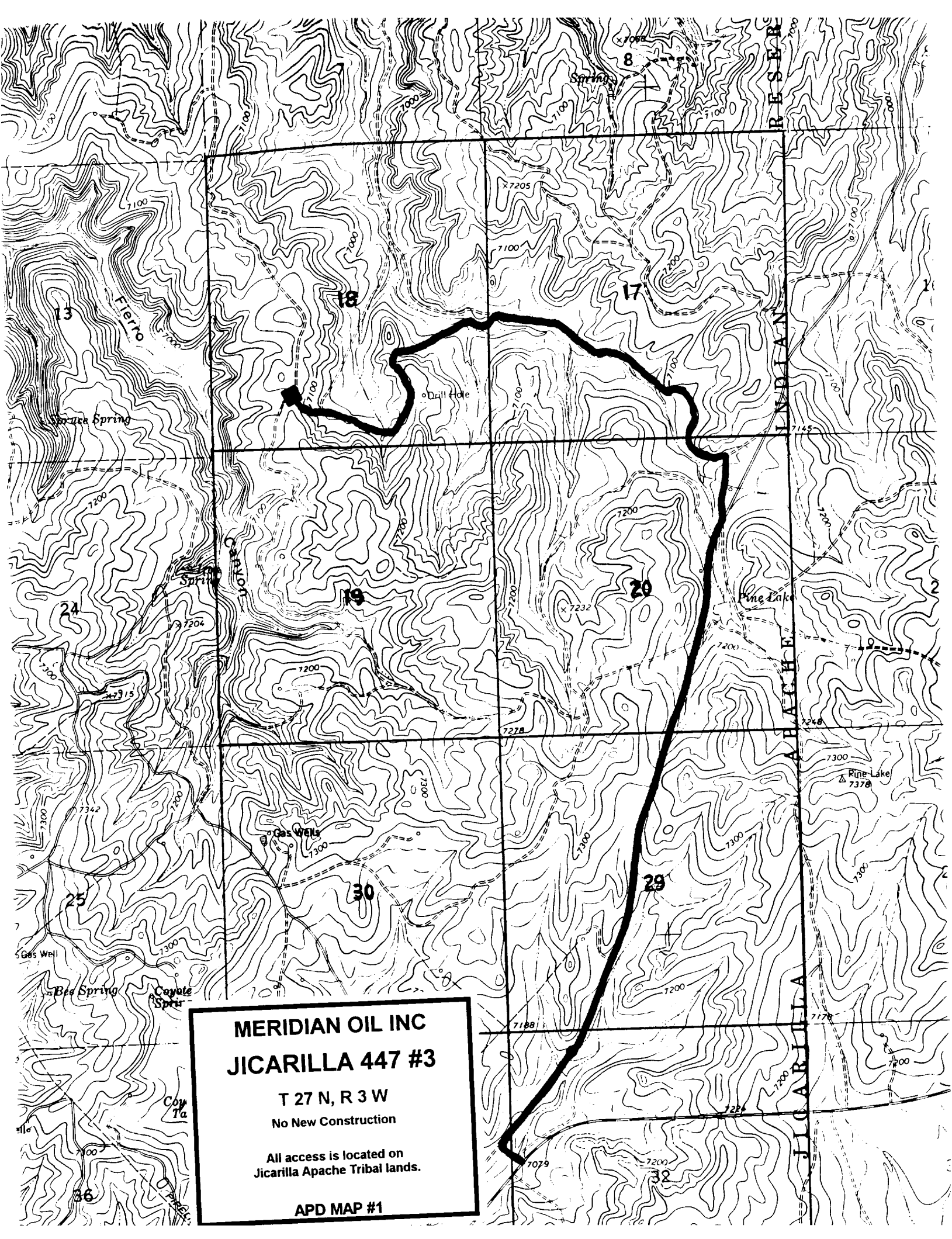
Pit levels will be visually monitored to detect gain or loss of fluid control.

Casing Program:

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csg. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 4285'	7"	20.0#	K-55
6 1/4"	4035' - 6660'	4 1/2"	10.5#	K-55

Tubing Program:

0' - 6660' 2 3/8" 4.7# J-55 EUE



MERIDIAN OIL INC
JICARILLA 447 #3

T 27 N, R 3 W
No New Construction

All access is located on
Jicarilla Apache Tribal lands.

APD MAP #1