UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Strange Branch

la.	TYPE OF WORK	5. LEASE NUMBER		
1b.	DRILL TYPE OF WELL GAS	SF-077875 6. IF INDIAN, ALL. OR TRIBE NAME		
2.	OPERATOR MERIDIAN OIL INC.	7. UNIT AGREEMENT NAME		
3.	ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499	8. FARM OR LEASE NAME ROWLEY 9. WELL NO. 155		
4.	LOCATION OF WELL 1420'S 1850'W	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL 11. SEC. T. R. M OR BLK. SEC. 17 T27N R10W NMPM		
14.	DISTANCE IN MILES FROM NEAREST TOWN 10 MILES FROM BLOOMFIELD	N 12. COUNTY 13. STATE SAN JUAN NM		
15.	DISTANCE FROM 16. ACE PROPOSED LOCATION 1420' TO NEAREST PROPERTY OR LEASE LINE.	RES IN LEASE 17. ACRES ASSIGNED TO WELI 320.00		
18.	DISTANCE FROM 19. PROPOSED LOCATION TO NEAREST WELL DR. 200' COMPL., OR APPLIED FOR ON THIS LEASE.	OPOSED DEPTH 20. ROTARY OR CABLE TOOLS 1915' ROTARY This metion is subject to technical and procedural review pursuant to 45 CPR 3185.3 and appear pursuant to 45 CPR 3185.4.		
21.	ELEVATIONS (DF, FT, GR, ETC.) 6148'GL	22. APPROX. DATE WORK WILL START		
23.	PROPOSED CASING AND	CEMENTING PROGRAM		
	*SEE OPERATIONS	DRILLING CHIRATIONS AUTHORIZED ARE SUBJECT TO AMBLEAUTH, BITH ATTACHED GENERAL REQUIREMENTS .		
24.	AUTHORIZED BY SEAL SEAL REGULATORY AFFAIRS	7-7-89 DATE		
PERM	IT NO. APPROV	VAL DATE		
APPRO	OVED BYTITLE	DATE		
NOTE:	: 13 THIS FORMAT IS ISSUED IN LIEU OF	US BLM FORM 3160-3. Linda Rundell		
or the	(1) 1 (1) (1) (1) (1) (1) (1) (1) (1) (1	S 45 48 M		

NMOCC

OPERATIONS PLAN DATE: APR 7,1989

Well Name: 155 ROWLEY

1420'S 1850'W

Sec. 17 T27N R10W SAN JUAN NEW MEXICO

BASIN FRUITLAND COAL Elevation 6148'GL

Formation tops: Surface- NACIMIENTO

Ojo Alamo- 850

Kirtland- 1020

Fruitland- 1605

Fruitland Coal Top- 1750

Fruitland Coal Base- 1915

Intermediate TD- 1730

Total Depth- 1915

Pictured Cliffs- 1916

Logging Program: Mud logs from intermediate to total depth.

Mud Program: Low solid non-dispersed mud from surface to total depth.

Casing Program: Hole Size Depth Interval Csq. Size Weight Grade 12 1/4" 0 - 2009 5/8" 32.3# H - 408 3/4" 0 - 17307" 20.0# K-55 6 1/4" 5 1/2" 1680 - 1915 15.5# K-55 0 - 1915 2 7/8" Tubing Program: 6.5# J-55

Float Equipment: 9 5/8" surface casing - saw tooth guide shoe.

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

5 1/2" production liner - float shoe on bottom and a pre-drilled liner run to the 7" casing with a minimum 50' overlap. Liner hanger is a double slip grip type.

Wellhead Equipment: $9 \frac{5}{8}$ " x 7" x 2 $\frac{7}{8}$ " x 11" 3000 psi xmas tree assembly.

Cementing:

9 5/8" surface casing - cement with 106 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (125 cu ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

7" intermediate casing - lead with 76 sacks of 65/35 class "B" poz with 6% gel, 2% calcium chloride and 1/2 cu.ft. Perlite/sack (10.3 gallons of water/sack) tail with 100 sacks of class "B" with 2% calcium chloride. 265 cu ft. of slurry, 100% excess to cover the Ojo Alamo. Run temperature survey at 8 hours. WOC 12 hours. Test casing to 1500 psi for 30 minutes.

5 1/2" liner - do not cement.

The Fruitland coal formation will be completed.

A 3000 psi WP and 6000 psi test double gate preventer equipped with blind and pipe rams will be used for blow out prevention on this well. This gas is dedicated.

The W/2 of Section 17 is dedicated to this well.

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 II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT I P.O. Box 1980, Hobbs, NM 88240

DISTRICT III 1000 Rio Brazos Rd., Azzec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

PALOE .			1.	CASE		Well No.
	dian Oi	l Inc.		Rowley	SF-077875)	155
Letter	Section	Township		Range	County	
X	17	27	North	10 West	NMPM	San Juan
Footage Loca	non of Weil:				NIV) LOVE	
1420	feet from the	South	line and	1850	feet from the	est line
i jevel Elev.		icing Formation		Pool		Dedicated Acreage:
5148	Fru	itland Co	oal	Basin		320 Acres
•	the screen dedic	wed to the subject	well by colored nead	i or hachure marks on the pi	t below.	
	-			dentify the ownership thereof		st and royalty).
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	Yes		answer is "yes" type	of consolidation		
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				n consolidated (by communit	ization, unitization, forced	pooring, or otherwise)
or umii 8	non-standard unit	community area or	Acres, has occur appa	oved by the Division.		
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