

30-045-27542

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL	5. LEASE NUMBER NM-82815
1b. TYPE OF WELL GAS	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 LEWIS PARK
4. LOCATION OF WELL 2355'N 1745'E	9. WELL NO. 100
14. DISTANCE IN MILES FROM NEAREST TOWN 7 MILES FROM NAVAJO DAM	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
	11. SEC. T. R. M OR BLK. G SEC. 13 T31N R08W NMPM
15. DISTANCE FROM PROPOSED LOCATION 1745' TO NEAREST PROPERTY OR LEASE LINE.	12. COUNTY SAN JUAN
16. ACRES IN LEASE 640	13. STATE NM
17. ACRES ASSIGNED TO WELL 320.00	
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 450' COMPL., OR APPLIED FOR ON THIS LEASE.	20. ROTARY OR CABLE TOOLS ROTARY
	This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.
21. ELEVATIONS (DF, FT, GR, ETC.) 6840'GL	22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

24. AUTHORIZED BY:

REGULATORY AFFAIRS

RECEIVED

DEC 01 1989

OIL CON. DIV

DIST. 3

DATE

APPROVED
AS AMENDED

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

NOV 28 1989

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

AREA MANAGER

NMOCD

Submit to Appropriate
District Office
State Leases - 4 copies
Fee Leases - 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 OD, Artesia, NM 88210

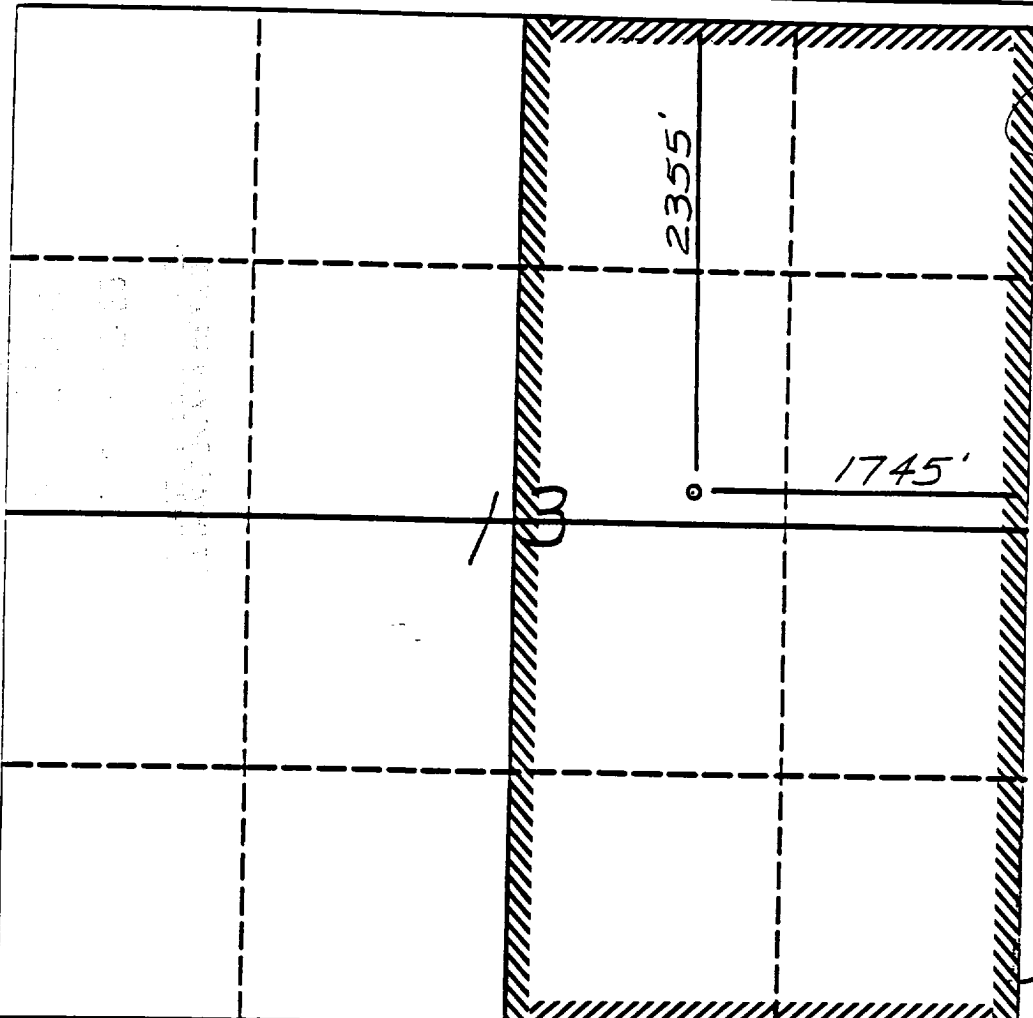
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Meridian Oil Inc.			Lease Lewis Park (NM-82815)		Well No. 100
Unit Letter G	Section 13	Township 31 North	Range 8 West	County San Juan	
Actual Footage Location of Well: 2355 feet from the North line and 1745 feet from the East line					
Ground level Elev. 6840'	Producing Formation Fruitland Coal		Pool Basin	Dedicated Acreage: 320.00 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or machine marks 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 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, 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

Regulatory Affairs

Position

Meridian Oil Inc.

Company

Date
10-20-89

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 supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

9-25-89

Signature of State Professional Surveyor

Neale C. Edwards

REGISTERED LAND SURVEYOR

Certificate No.

6857

Well Name: 100 LEWIS PARK
 Sec. 13 T31N R08W
 BASIN FRUITLAND COAL

2355'N 1745'E
 SAN JUAN NEW MEXICO
 Elevation 6840'GL

Formation tops: Surface- SAN JOSE
 Ojo Alamo- 2217
 Kirtland- 2338
 Fruitland- 3059
 Fruitland Coal Top- 3221
 Fruitland Coal Base- 3396
 Intermediate TD- 3210
 Total Depth- 3400
 Pictured Cliffs- 3405

Logging Program: Mud logs from intermediate to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 3210	Non-dispersed	8.4 - 9.1	30-60	no control
	3210 - 3400	Formation Water	8.4		no control

Casing Program:	Hole Size	Depth Interval	Csg. Size	Weight	Grade
	12 1/4"	0 - 200	9 5/8"	32.3#	H-40
	8 3/4"	0 - 3210	7"	20.0#	K-55
	6 1/4"	3160 - 3400	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3400	2 7/8"	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 casing - 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.

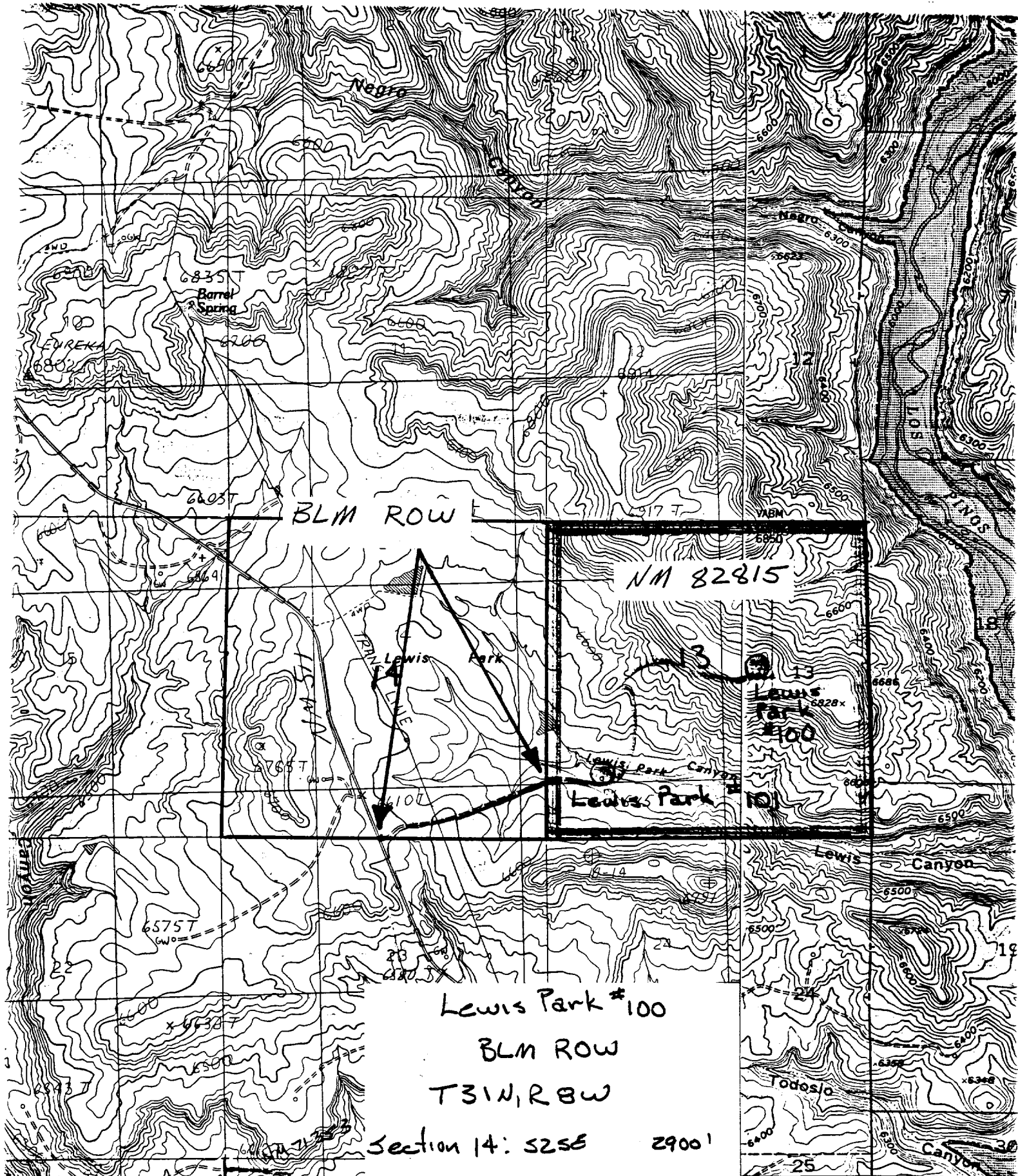
Wellhead Equipment: 9 5/8" x 7" x 2 7/8" x 11" 3000 psi xmas tree assembly.

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 94 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. 298 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.



QUADRANGLE LOCATION

Continued on Arc map

MAP #1

730' R. 8 W. R. 7 W. 267
Mapped, edited, and published by the Geological Survey of the United States
Topography by photogrammetric methods from aerial photographs taken 1950. Field check 1951.
Polyconic projection. 1927 North American datum. 630,000-foot grid based on New Mexico coordinate and central zones.