

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

31-125 27404

RECEIVED
MAIL ROOM

SEP 13 1989

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL	5. LEASE NUMBER SF-078095
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 CASE COM
4. LOCATION OF WELL 885'N 1095'E	9. WELL NO. 100
14. DISTANCE IN MILES FROM NEAREST TOWN 6 miles from Aztec	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE. 885'	11. SEC. T. R. M OR BLK. A SEC. 19 T31N R11W NMPM
16. ACRES IN LEASE 17. ACRES ASSIGNED TO WELL 1900.04 E/ 320.00	12. COUNTY SAN JUAN
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. COMPL., OR APPLIED FOR ON THIS LEASE. 130'	13. STATE NM
19. PROPOSED DEPTH 2582'	20. ROTARY OR CABLE TOOLS ROTARY
21. ELEVATIONS (DF, FT, GR, ETC.) 6031'GL	22. APPROX. DATE WORK WILL START

This action is subject to technical and
procedural review pursuant to 43 CFR 3155.3
and appeal pursuant to 43 CFR 3185.4.

23. PROPOSED CASING AND CEMENTING PROGRAM

not warrant that no applicant's operations plan
holds legal or equitable rights
or title to this lease.

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

24. AUTHORIZED BY: [Signature]
REGULATORY AFFAIRS

8-23-89
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

Hold 0-104 For CA

NMOCD

SEP 13 1989
[Signature]
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

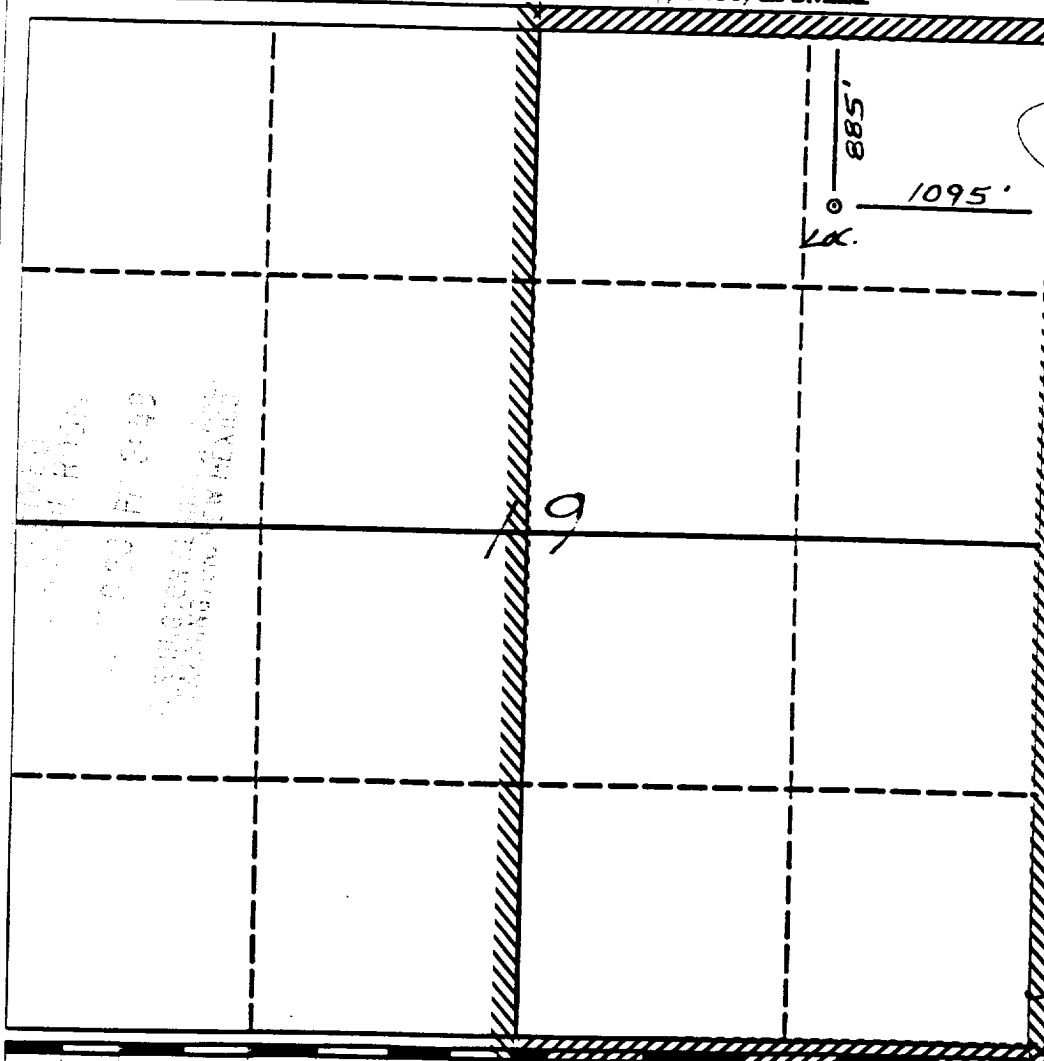
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Meridian Oil Inc.			Lease Case Com (SF-078095)		Well No. 100
Unit Letter A	Section 19	Township 31 North	Range 11 West	County NMPM San Juan	
Actual Footage Location of Well: 385 feet from the North line and 1095 feet from the East line					
Ground level Elev. 6031'	Producing Formation Fruitland Coal		Pool Basin	Dedicated Acreage: 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or machine 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 communitization agreement will be obtained
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.



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: Meridian Oil Inc.

Date: 8-23-89

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: 8-23-89

Signature & Seal: *Neale C. Edwards*

Professional Surveyor: 857

REGISTERED LAND SURVEYOR

Certificate No. 6857

Well Name: 100 CASE COM
 Sec. 19 T31N R11W
 BASIN FRUITLAND COAL

885'N 1095'E
 SAN JUAN NEW MEXICO
 Elevation 6031'GL

Formation tops: Surface- NACIMIENTO
 Ojo Alamo- 950
 Kirtland- 982
 Fruitland- 2137
 Fruitland Coal Top- 2482
 Fruitland Coal Base- 2581
 Total Depth- 2582
 Pictured Cliffs- 2610

Logging Program: Mud logs from 2137 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 2582	Non-dispersed	8.4 - 9.5	30-60	no control

Casing Program:	Hole Size	Depth Interval	Csg. Size	Weight	Grade
	12 1/4"	0 - 200	8 5/8"	24.0#	K-40
	7 7/8"	0 - 2582	5 1/2"	15.5#	K-55
Tubing Program:		0 - 2582	2 3/8"	4.7#	J-55

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

5 1/2" production casing - float shoe on bottom.

Three centralizers run every other joint above shoe.

Wellhead Equipment: 8 5/8" x 5 1/2" x 2 3/8" x 11" 3000 psi xmas tree assembly

Cementing:

8 5/8" surface casing - cement with 140 sacks of class "B" cement with 1/4# flocculent/sack and 3% calcium chloride (165 cu ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

5 1/2" production casing - lead with 232 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. 566 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.

BLM ROW #
CASE COM # 100

T31N, R11W

Section 19: SWSE 1500'
30: W2NE 2800'
SE NE 600'
32: W2NE 2000'

SF078095

BLM ROW

FEE
LANDS

Map 2