

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

3-039-25084
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL	5. LEASE NUMBER SF-079482
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 <i>14538</i> P O BOX 4289 FARMINGTON, NM 87499	8. FARM OR LEASE NAME SIMMS FEDERAL <i>13901</i>
4. LOCATION OF WELL 2240' FSL 1430' FWL	9. WELL NO. 303
14. DISTANCE IN MILES FROM NEAREST TOWN 18 MILES FROM GOVERNADOR	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL <i>7/16/29</i>
15. DISTANCE FROM PROPOSED LOCATION 1430' TO NEAREST PROPERTY OR LEASE LINE.	11. SEC. T. R. M OR BLK. <i>K #1</i> SEC. 2 T30N R04W NMPM
16. ACRES IN LEASE <i>10.30.48</i>	12. COUNTY RIO ARRIBA
17. ACRES ASSIGNED TO WELL <i>341.58 W 1/2</i>	13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 5000' COMPL., OR APPLIED FOR ON THIS LEASE.	19. PROPOSED DEPTH 3709'
20. ROTARY OR CABLE TOOLS ROTARY	
21. ELEVATIONS (DF, FT, GR, ETC.) 6943' GL	22. APPROX. DATE WORK WILL START
23. PROPOSED CASING AND CEMENTING PROGRAM RECEIVED JUL 18 1991 *SEE OPERATIONS PLAN	
24. OIL CON. DIV. DIST. 3 AUTHORIZED BY: <i>For Caldwell</i> REG. DRILLING ENGR.	DATE <i>9/28/90</i>

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE **APPROVED AS AMENDED**

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-2

JUL 16 1991
For Skellam
AREA MANAGER

Held 2-10-91 For CA *NMOCD*

Submit to Asst. Sec.
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 Simm's Federal (SF-079482)		Well No. 303
Unit Letter K	Section 2	Township 30 North	Range 4 West	County Rio Arriba		
Actual Footage Location of Well: 2240' feet from the South line and 1430' feet from the West line				Dedicated Acreage: 341.58 Acres		
Ground level Elev. 6943'				Producing Formation Fruitland Coal Basin		

- Outline the acreage dedicated to the subject well by colored pencil or highlighter 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, force-pooling, etc.?
☐ Yes ☐ No If answer is "yes" type of consolidation communitization agreement will be
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) obtained
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 the best of my knowledge and belief.

Peggy Bradfield
Signature

Peggy Bradfield
Printed Name

Regulatory Affairs
Position

Meridian Oil Inc.
Company

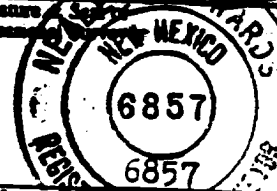
9-27-90
Date

SURVEYOR CERTIFICATION

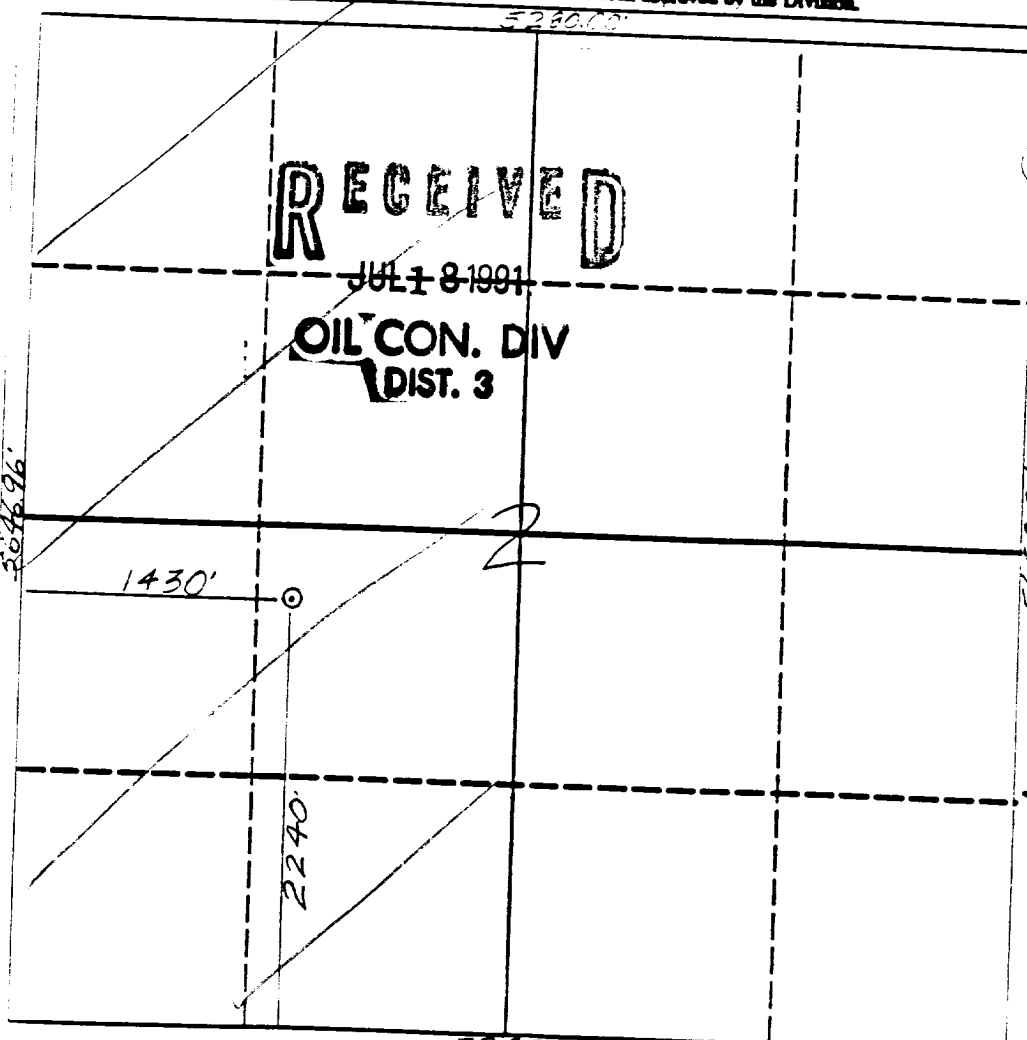
I hereby certify that the well location shown on this plat was plotted from field notes actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

8-23-90
Date Surveyed

Neale C. Edwards
Signature
Professional Surveyor



Neale C. Edwards
Certificate No.



Well Name: 303 SIMMS FEDERAL
 Sec. 2 T30N R04W
 BASIN FRUITLAND COAL

2240' FSL 1430' FWL
 RIO ARRIBA NEW MEXICO
 Elevation 6943' GL

Formation tops: Surface- San Jose
 Ojo Alamo- 3090
 Kirtland- 3330
 Fruitland- 3590
 Fruitland Coal Top- 3631
 Fruitland Coal Base- 3706
 Pictured Cliffs- 3725

Intermediate TD- 3610
 Total Depth- 3709

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 - 3610	Non-dispersed	8.4 - 9.1	30-60	no control
	3610 - 3709	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 - 3610	7"	20.0#	K-55
	6 1/4"	3560 - 3709	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3709	2 7/8"	6.5#	J-55

Float Equipment: 9 5/8" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

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. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 3330'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

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 160 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (189 cu ft. of slurry, 200% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

7" intermediate casing - lead with 534 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. 1150 cu ft. of slurry, 110% excess to circulate to surface. If hole conditions permit, a 600 ft spacer will be run ahead of the cement slurry to avoid mud contamination of the cement. WOC 12 hours. If cement does not circulate to surface, a temperature log will be run after 8 hours to determine TOC.

5 1/2" liner - do not cement.

