

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-045-21568

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91 JUN 17 PM 2:53

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

- 1a. TYPE OF WORK
DRILL
1b. TYPE OF WELL
GAS

RECEIVED
JUL 31 1991.

5. LEASE NUMBER
NM-0396
6. IF INDIAN, ALL. OR TRIBE NAME

2. OPERATOR
MERIDIAN OIL INC. **OIL CON. DIV.**
DIST. 3

7. UNIT AGREEMENT NAME
HUERFANO UNIT

3. ADDRESS & PHONE NO. OF OPERATOR
P O BOX 4289
FARMINGTON, NM 87499

8. FARM OR LEASE NAME
HUERFANO UNIT 7139
9. WELL NO.
301

4. LOCATION OF WELL
1700' FNL 1850' FWL

10. FIELD, POOL, OR WILDCAT
ANGEL PEAK GALLUP EXT 2170
11. SEC. T. R. M OR BLK.
F SEC. 4 T26N R10W NMPM

14. DISTANCE IN MILES FROM NEAREST TOWN
13 MILES SE OF BLOOMFIELD

12. COUNTY
SAN JUAN
13. STATE
NM

15. DISTANCE FROM
PROPOSED LOCATION 1700'
TO NEAREST PROPERTY
OR LEASE LINE.

16. ACRES IN LEASE 17. ACRES ASSIGNED TO WELL
N/ 319.96

18. DISTANCE FROM
PROPOSED LOCATION
TO NEAREST WELL DR. 200'
COMPL., OR APPLIED
FOR ON THIS LEASE.

19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS
6300'
6517
ROTARY

21. ELEVATIONS (DF, FT, GR, ETC.)
6704' GL

22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

24. AUTHORIZED BY: 
REG. DRILLING ENGR.

6/10/91
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

ARCH REPORT SUBMITTED 05/15/91

NMOCD

JUL 26 1991

AREA MANAGER

Submit to Appropriate
District Office
State - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

RECEIVED
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Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

91 JUN 17 PM 2:53

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

019 FARMINGTON, N.M.

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

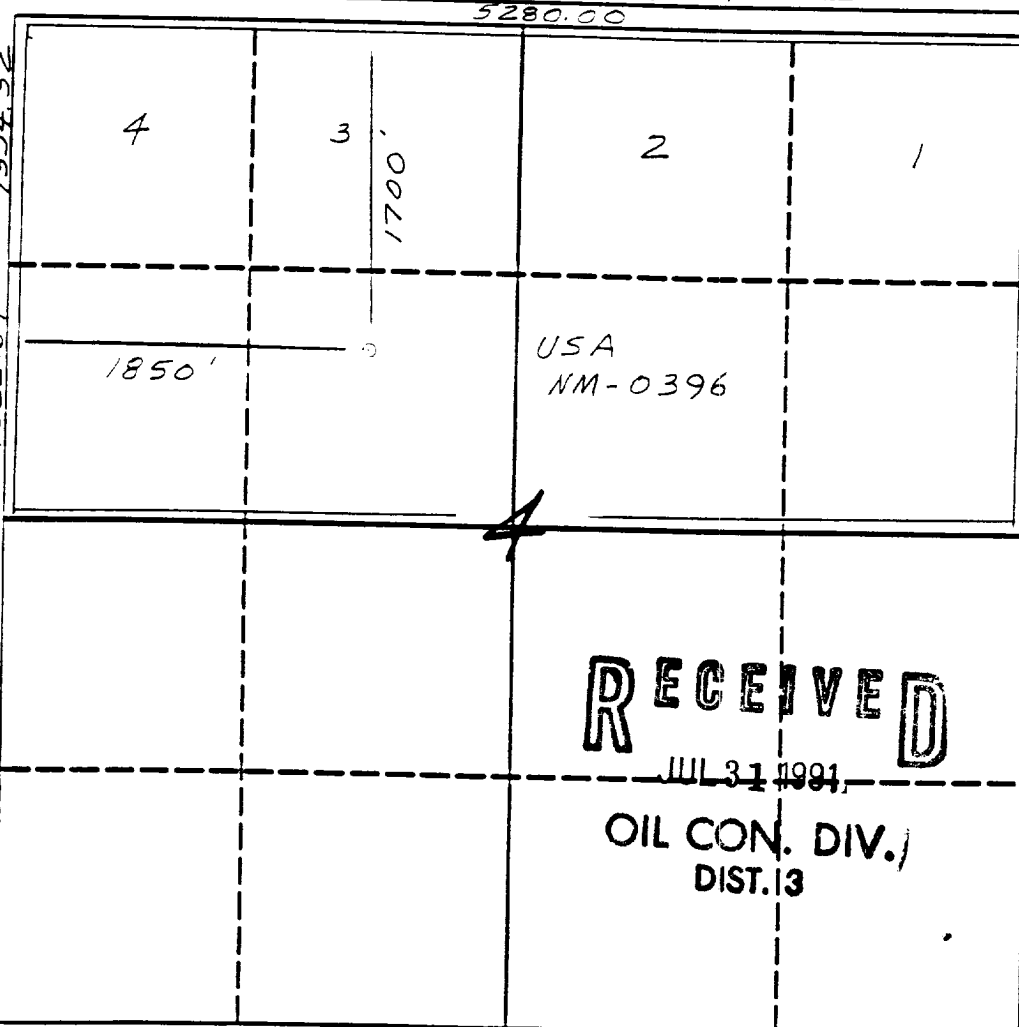
1000 Rio Brizos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Meridian Oil Inc.		Lease Huerfano Unit		Well No. 301	
Unit Letter F	Section 4	Township 26 North	Range 10 West	County San Juan	
Actual Footage Location of Well: 1700 feet from the North line and 1850 feet from the West line					
Ground level Elev. 6704'		Producing Formation Gallup		Pool Angel Peak EXT	
					Dedicated Acreage: 319.96 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or leadpencil 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 unitization
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 the best of my knowledge and belief.

Signature Peggy Bradfield

Printed Name
Peggy Bradfield

Position
Regulatory Affairs

Company
Meridian Oil Inc.

Date
6-5-91

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.

Date Surveyed
5-2-91

Signature [Signature]

Professional Surveyor

NEW MEXICO
6857
REGISTERED LAND SURVEYOR

Certification
Neale C. Edwards

OPERATIONS PLAN

DATE: JUN 20,1991

Well Name: 301 HUERFANO UNIT
 Sec. 4 T26N R10W
 ANGEL PEAK GALLUP

1700'FNL 1850'FWL
 SAN JUAN NEW MEXICO
 Elevation 6704'GL

Formation tops: Surface- NACIMIENTO

Ojo Alamo- 1340	Lewis- 2396	Mancos- 5150
Kirtland- 1445	Mesaverde- 3907	Niobrara- 5821
Fruitland- 2060	Menefee- 3940	Juana Lopez- 6355
Pictured Cliffs- 2302	Pictured Lewis- 4730	

Total Depth- 6517
 Longstring

Logging Program: Mud logs from 4700 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 6517	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-55
	7 7/8"	0 - 6517	4 1/2"	10.5#	K-55
Tubing Program:		0 - 6517	2 3/8"	4.7#	J-55

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

4 1/2" production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1445'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 8 5/8" x 4 1/2" x 2 3/8" x 11" 3000 psi xmas tree assembly

Cementing:

8 5/8" surface casing - cement with 211 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (248 cu ft. of slurry, 200% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

4 1/2" production casing - First stage: Lead with 113 sacks of 65/35 Class "B" pozmix with 6% gel, 2% CaCl₂, 5#/sack gilsonite, and 1/4#/sack Flocele. Tail with 170 sacks of Class "B" cement with 2% CaCl₂, (400 cu. ft., 75% excess to circulate stage tool @ 5300'). Second stage: Lead with 360 sacks of 65/35 Class "B" pozmix with 6% gel, 2% CaCl₂, 5#/sack gilsonite, and 1/4#/sack Flocele. Tail with 540 sacks of Class "B" cement with 2% CaCl₂, (1275 cu. ft., 100% excess to circulate stage tool @ 2500'). Third stage: Lead with 323 sacks of 65/35 Class "B" pozmix with 6% gel, 2% CaCl₂, 5#/sack gilsonite, and 1/4#/sack Flocele. Tail with 484 sacks of Class "B" cement with 2% CaCl₂, (1143 cu. ft., 100% excess to circulate surface).

HUERFANO UNIT #301

T 26 N, R 10 W

200' New Construction

New BLM R-O-W

Section 4:	SENW	300'
	NENW	500'
	NWNE	1200'

MERIDIAN OIL INC

EXISTING
R-O-W

NEW
BLM
R-O-W

FEE
LANDS

Unit # 15

