

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-045-28581

RECEIVED
BLM

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL	5. LEASE NUMBER NM-01366
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR MERIDIAN OIL INC. 14538	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
4. LOCATION OF WELL 1190' FSL 910' FEL 1055 1050	9. WELL NO. 303
10. FIELD, POOL, OR WILDCAT ANGEL PEAK GALLUP ASSOC. 2170 SEC. T. R. M OR BLK. SEC. 4 T26N R10W NMPM	11. ACRES IN LEASE 17. ACRES ASSIGNED TO WELL 320 320.00
12. COUNTY SAN JUAN	13. STATE NM
14. DISTANCE IN MILES 13 MILES S OF BLO	15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE.
16. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 400'	18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. COMPL., OR APPLIED FOR ON THIS LEASE.
19. PROPOSED DEPTH 6479'	20. ROTARY OR CABLE TOOLS ROTARY
21. ELEVATIONS (DF, FT, GR, ETC.) 6701' GL 6652	22. APPROX. DATE WORK WILL START
23. PROPOSED CASING AND CEMENTING PROGRAM	

*SEE OPERATIONS PLAN

24. AUTHORIZED BY:

REG. DRILLING ENGR.

RECEIVED

AUG 21 1991

6/17/91
DATE

OIL CON. DIV.

DIST. 3

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 05/30/91

AUG 15 1991
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
BLM

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

91 JUL 23 PM 1:59

SEE WELL LOCATION, N.M.

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 Huerfano Unit		Well No. 303
Unit Letter J	Section 4	Township 26 North	Range 10 West	County San Juan
Actual Footage Location of Well: 1655 feet from the South line and 1650 feet from the East line				
Ground level Elev. 6682'	Producing Formation Gallup	Pool Angels Peak	Dedicated Acreage: 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hectare 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, force-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.

5280.00

Reissued to show
moved location

RECEIVED
AUG 21 1991
OIL CON. DIV.
DIST. 3

USA -
NM-01366

1650'

1655'

5272.74

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
Regulatory Affairs
Position
Meridian Oil Inc.
Company

Date
7-22-91

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. 7-18-91

Date Surveyed
Signature
Professional Surveyor
NEW MEXICO
6857
6857
REGISTERED LAND SURVEYOR
Neale C. Edwards

0 320 640 960 1280 1600 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 5120 5440 5760 6080 6400

Well Name: 303 HUERFANO UNIT
 Sec. 4 T26N R10W
 ANGEL PEAK GALLUP

1190' FSL 910' FEL
 SAN JUAN NEW MEXICO
 Elevation 6701' GL

Formation tops: Surface- NACIMIENTO

Ojo Alamo-	1320	Lewis-	3385	Mancos-	5385
Kirtland-	1450	Mesaverde-	3820	Niobrara-	5800
Fruitland-	2122	Menefee-	3930	Juana Lopez-	6329
Pictured Cliffs-	2290	Pictured Lewis-	4715		

Total Depth- 6479
 Longstring

Logging Program: Mud logs from 5600 to total depth.
 IEL/SP/GR, FOC/CNL/GR, HRL DENS, Microlog

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 6479	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 - 6479	4 1/2"	10.5#	K-55
Tubing Program:		0 - 6479	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 @ 1450'. 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 133 sacks of 65/35 Class "B" pozmix with 6% gel, 2% CaCl₂, 5#/sack gilsonite, and 1/4#/sack Flocele. Tail with 200 sacks of Class "B" cement with 2% CaCl₂, (470 cu. ft., 75% excess to circulate stage tool @ 5300'). Second stage: Lead with 230 sacks of 65/35 Class "B" pozmix with 6% gel, 2% CaCl₂, 5#/sack gilsonite, and 1/4#/sack Flocele. Tail with 350 sacks of Class "B" cement with 2% CaCl₂, (820 cu. ft., 100% excess to circulate stage tool @ 3500'). Third stage: Lead with 450 sacks of 65/35 Class "B" pozmix with 6% gel, 2% CaCl₂, 5#/sack gilsonite, and 1/4#/sack Flocele. Tail with 680 sacks of Class "B" cement with 2% CaCl₂, (1600 cu. ft., 100% excess to circulate surface).

BOP and Tests:

Surface to TD - 11" 2000 psi (minimum) double gate BOP stack (Reference Figure #1 and #2). Prior to drilling out surface casing, test rams to 500 psi for 30 minutes.

Completion - 6" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to completion operations, test rams to 3000 psi for 15 minutes.

From surface to TD - choke manifold (Reference Figure #3).

Pipe rams will be actuated at least once each day and blind rams actuated once each trip to test proper functioning. An upper kelly cock valve with handle and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

Additional Information:

- * This gas is dedicated.
- * New casing will be utilized.
- * Cementing Contractor will provide the BLM with a chronological log including the pump rate and pressure, and the slurry density and volume for all cement jobs.
- * Pipe movement (either rotation or reciprocation) will be done if hole conditions permit.

Huerfano Unit #303

T 26 N, R 10 W

700' New Construction

Section 4:	E2SE	1300'
	SWSE	300'
9:	NWNE	1600'
	SWNE	50'
	SENE	1000'

Remaining existing roads are on existing BLM ROW: NM 77290

MERIDIAN OIL INC

EXISTING
R-O-W

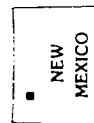
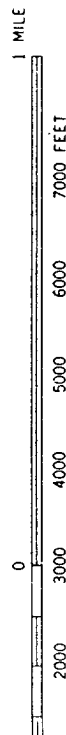
LANDS

R-O-W

FEE EXISTING

NEW BLM
R-O-W

SCALE 1:24 000



ROAD LEGEND

INTERIOR - GEOLOGICAL SURVEY, RESTON, VIRGINIA - 1988

241

240

239

238

237

36° 30'

242000E 107° 52' 30"

12

404000N

4045

4046

4047

1286

8-23

6725

Huerfano #303

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