

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-045-28791
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL	5. LEASE NUMBER SF-078385-A
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR MERIDIAN OIL INC. ✓ 14538	7. UNIT AGREEMENT NAME
3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499	8. FARM OR LEASE NAME 7131 HOWELL L ✓
4. LOCATION OF WELL 930'FNL 790'FEL	9. WELL NO. 304 ✓
10. FIELD, POOL, OR WILDCAT 71629 BASIN FRUITLAND COAL	11. SEC. T. R. M OR BLK. A SEC. 34 T30N R08W NMPM
14. DISTANCE IN MILES FROM NEAREST TOWN 3 MI SO. OF ABE'S STORE	12. COUNTY SAN JUAN
15. DISTANCE FROM PROPOSED LOCATION 790' TO NEAREST PROPERTY OR LEASE LINE.	13. STATE NM
16. ACRES IN LEASE 17. ACRES ASSIGNED TO WELL 1280 AC E/ 320.00	This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 400' COMPL., OR APPLIED FOR ON THIS LEASE.	19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS 2925' ROTARY
21. ELEVATIONS (DF, FT, GR, ETC.) 6132'GL	22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

24. AUTHORIZED BY: [Signature]
REG. DRILLING ENGR.

RECEIVED

OCT 02 1992

9/15/92
DATE

OIL CON. DI

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 09/03/92
WILDLIFE REPORT SUBMITTED 09/02/92

SEP 30 1992

AREA MANAGER

Hold C-104 For PTA of #302

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

State of New Mexico
Energy, Minerals and Natural Resources Department

RECEIVED 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, Arama, NM 88210

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator		Lease		Well No.	
Meridian Oil Inc.		Howell L		304	
Unit Lease	Section	Township	Range	County	
A	34	30 North	8 West	NMPL San Juan	
Actual Footage Location of Well:					
930 feet from the North line and		790 feet from the East line			
Ground level Elev.	Producing Formation		Pool	Dedicated Acreage:	
6132'	Fruitland Coal		Basin	320 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or acetate 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, encompassing such interest, has been approved by the Division.

5282.64'

930'

790'

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OIL CON. DIV
DIST. 3

34

USA SF+078385-A

5154.60'

5245.68'

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
9-9-92

Date

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.

8-11-92

Date Surveyed
C. EDWARDS
Needle Creek
Signature of Professional Surveyor
3357

Certificate No.

OPERATIONS PLAN

Well Name: Howell L #304
Location: 930'FNL, 790'FEL, Section 34, T-30-N, R-8-W
 San Juan County, New Mexico
Formation: Basin Fruitland Coal
Elevation: 6132'GL

Formation:	Top	Bottom	Contents
Surface	San Jose	1787'	
Ojo Alamo	1787'	1987'	aquifer
Kirtland	1987'	2621'	
Fruitland	2621'	2707'	
Fruitland Coal Top	2707'	2924'	gas & salt water
Pictured Cliffs	2929'		
Total Depth	2925'		

Logging Program: Mud logs from intermediate to Total Depth.

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 200'	Spud	8.4-8.9	40-50	no control
200-2677'	Non-dispersed	8.4-9.1	30-60	no control
2677-2925'	Formation Water	8.4		no control

Casing Program:

Hole Size	Depth Interval	Csg.Size	Wt.	Grade
12 1/4"	0' - 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 2677'	7"	20.0#	K-55
6 1/4"	2527' - 2925'	5 1/2"	15.5#	K-55

Tubing Program:

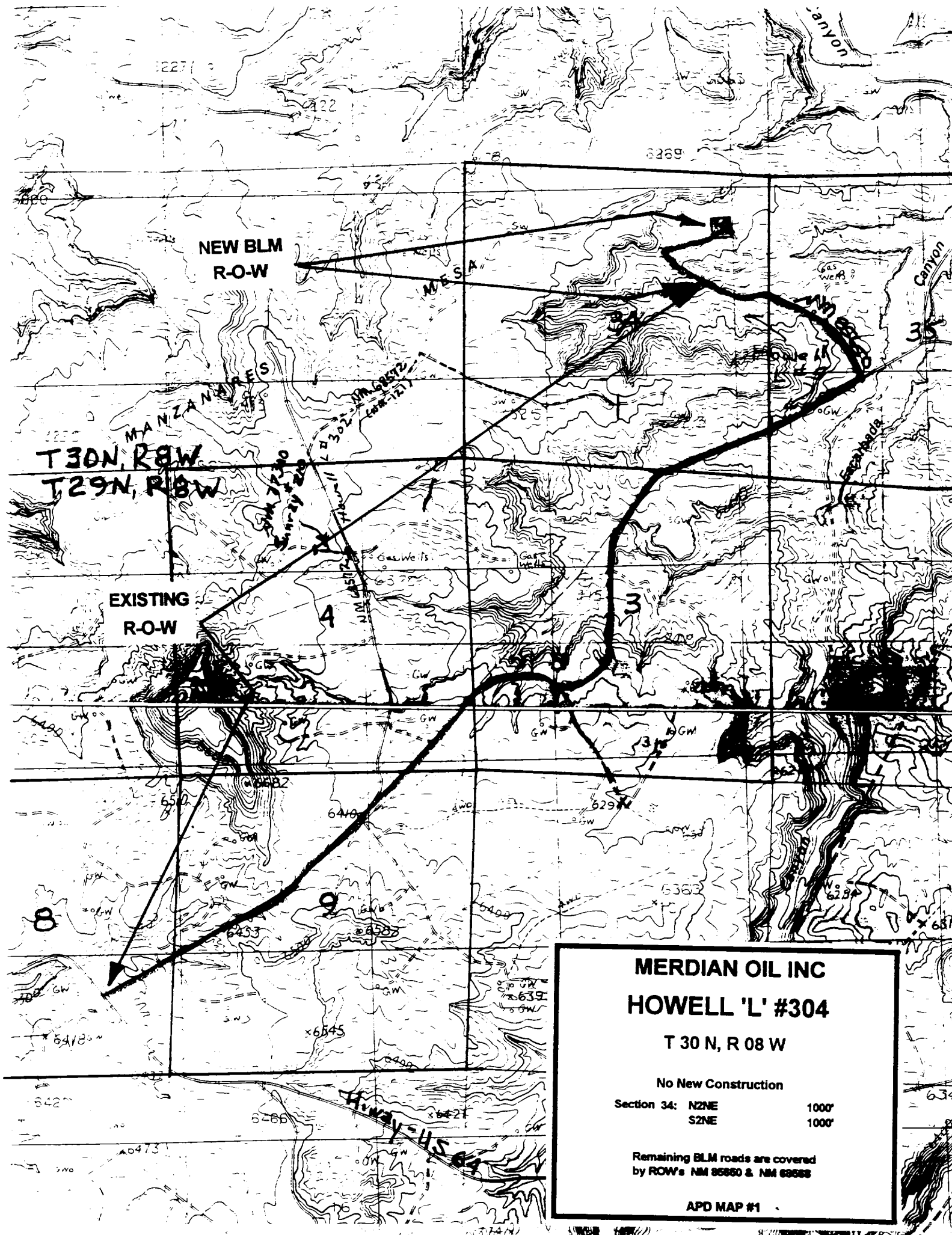
0' - 2925'	2 3/8"	4.7#	J-55
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Float Equipment: 9 5/8" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

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 guide shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1987'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

5 1/2" production casing - float shoe on bottom and 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 3/8" x 11" 3000 psi xmas tree assembly.



MERDIAN OIL INC
HOWELL 'L' #304

T 30 N, R 08 W

No New Construction

Section 34: N2NE 1000'
S2NE 1000'

**Remaining BLM roads are covered
by ROW's NM 85880 & NM 85888**

APD MAP #1