

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

30-045-29108
APR 11 1994

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-078596	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator MERIDIAN OIL 14538	7. Unit Agreement Name	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 7120 Howell C 9. Well Number 201	
4. Location of Well 955' FNL, 1690' FEL Latitude 36° 45' 32", Longitude 107° 39' 33"	10. Field, Pool, Wildcat 716.29 Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. B Sec 3, T-29-N, R-8-W NMPM	
14. Distance in Miles from Nearest Town 3 miles to Navajo Dam	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 955'	17. Acres Assigned to Well 323.20 E/2	
16. Acres in Lease	18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 150'	
19. Proposed Depth 2900'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, etc.) 6131' GR	22. Approx. Date Work will Start 2nd quarter 1994	
23. Proposed Casing and Cementing Program See Operations Plan attached	DRILLING OPERATIONS AUTHORIZED ARE SUSPENDED UNTIL THE FOLLOWING REQUIREMENTS ARE MET:	
24. Authorized by:  Regional Drilling Engineer	Date 2/28/94	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE _____

NMDCD

APPROVED
AS AMENDED

Archaeological Report to be submitted.
Threatened and Endangered Species Report to be submitted
NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

APR 11 1994

DISTRICT MANAGER

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1/1/80
SLM

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

SAVED 11 PM 1:18

OTO 11/11/80 11:18 AM

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 Howell C		Well No. 201
Unit Letter B	Section 3	Township 29 North	Range 8 West	County San Juan
Actual Footage Location of Well: 955 feet from the North line and 1690 feet from the East line				
Ground level Elev. 6131'	Producing Formation Fruitland Coal	Pool Basin	Dedicated Acreage 323.20 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or ink on the plat below.

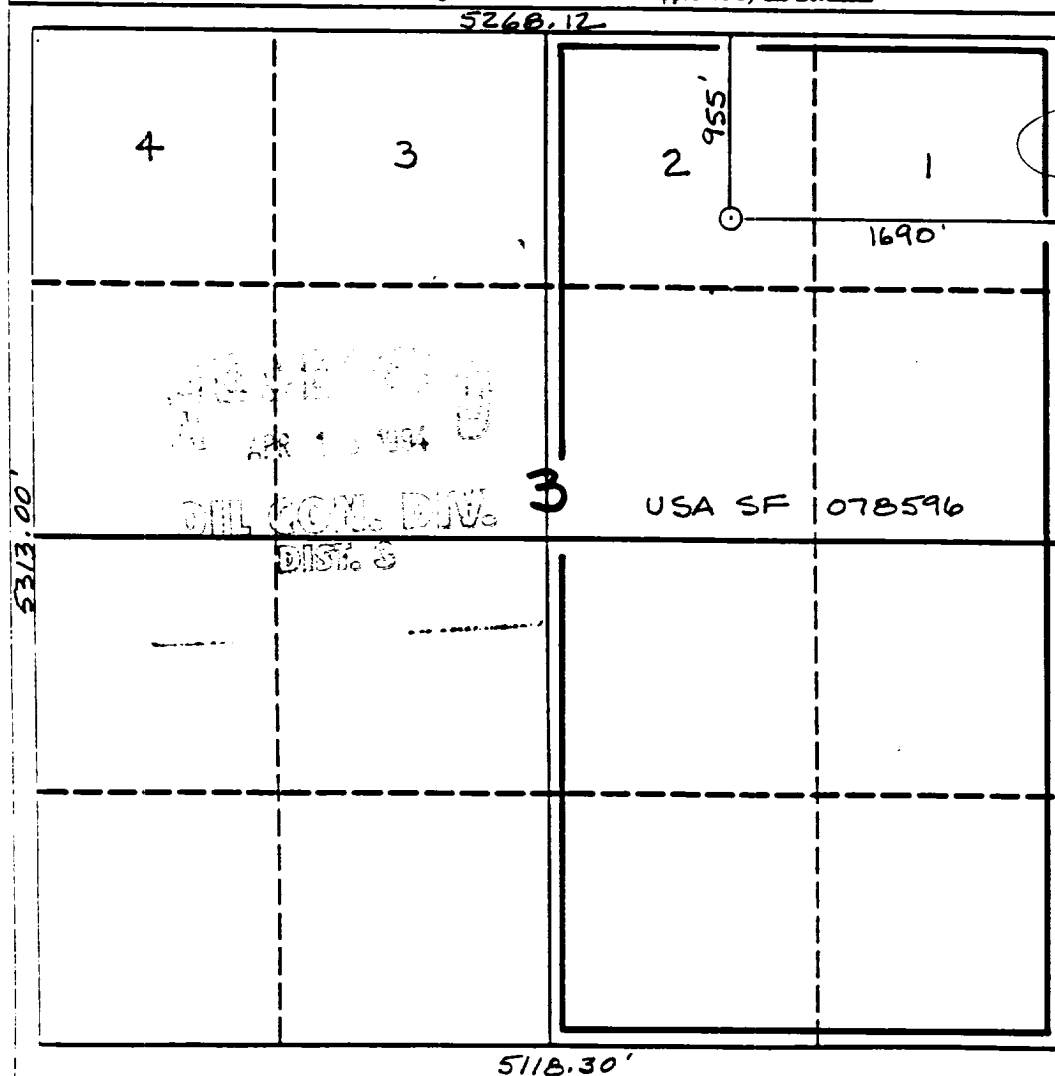
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by commutation, 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 commutation, unitization, force-pooling, or otherwise) or until a non-standard unit, attesting 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 Representative
Position

Meridian Oil Inc.
Company

2-27-94
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. 10-16-93

DATE SURVEYED
NEEDLE C. EDWARDS
SIGNATURE
PROFESSIONAL SURVEYOR

9857

CERTIFICATE NO.

6857

OPERATIONS PLAN

Well Name: Howell C #201
Location: 955'FNL, 1690'FEL, Section 3, T-29-N, R-8-W
 San Juan County, New Mexico
 Latitude 36° 45' 32", Longitude 107° 39' 33"
Formation: Basin Fruitland Coal
Elevation: 6131'GL

Formation:	Top	Bottom	Contents
Surface	San Jose	1999'	
Ojo Alamo	1999'	2009'	aquifer
Kirtland	2009'	2579'	
Fruitland	2579'	2900'	
Fruitland Coal Top	2729'	2894'	gas & salt water
Total Depth	2900'		

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
200-2690'	Non-dispersed	8.4-9.1	30-60	no control
2690-2900'	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' - 2690'	7"	20.0#	K-55
6 1/4"	2540' - 2900'	5 1/2"	15.5#	K-55

Tubing Program:

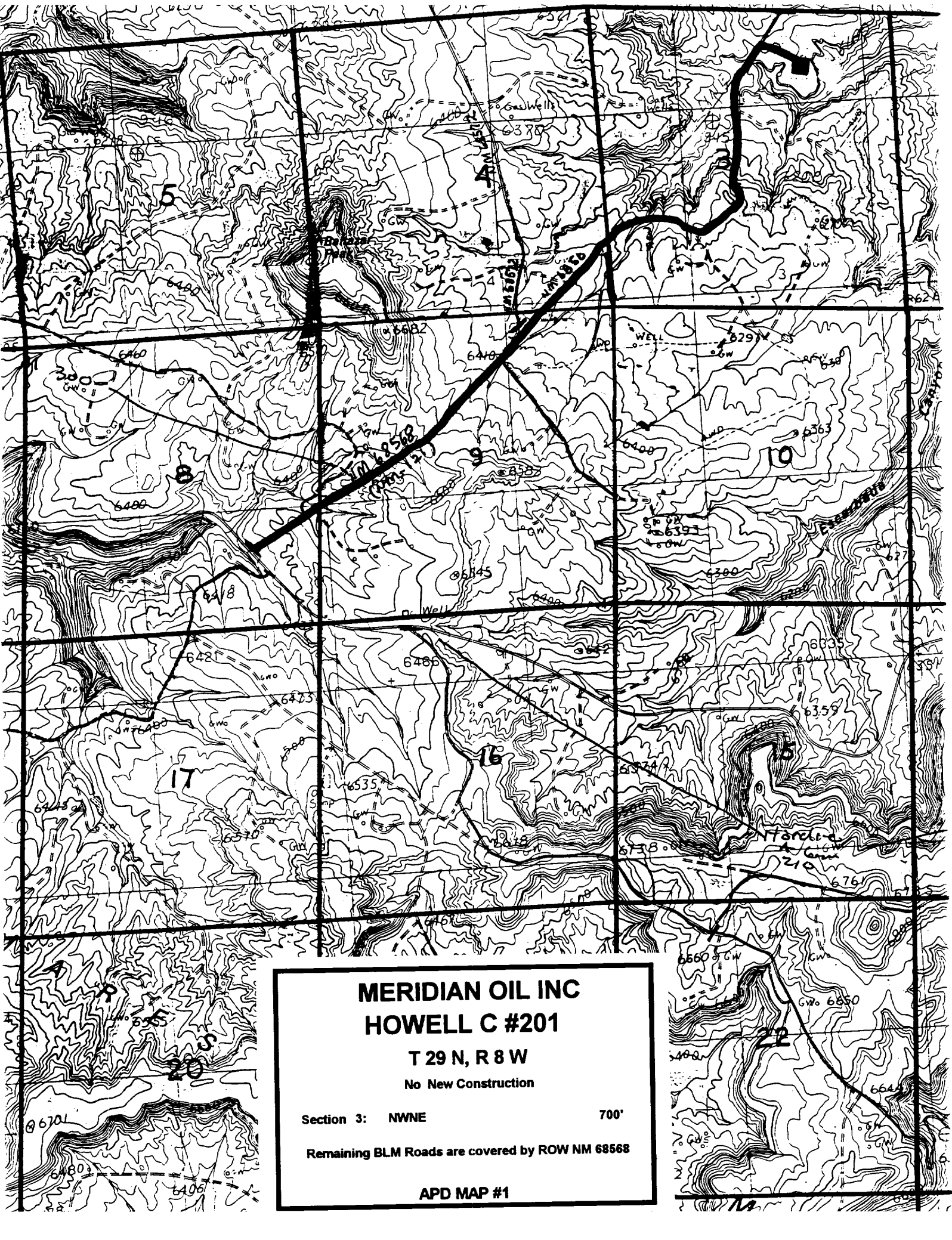
0' - 2900'	2 3/8"	4.7#	J-55
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Float Equipment: 9 5/8" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

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 @2009'. 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" 2000 psi xmas tree assembly.



**MERIDIAN OIL INC
HOWELL C #201**

T 29 N, R 8 W

No New Construction

Section 3: NWNE

700'

Remaining BLM Roads are covered by ROW NM 68568

APD MAP #1