

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL	5. LEASE NUMBER SF-078197
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 P O BOX 4289 FARMINGTON, NM 87499	8. FARM OR LEASE NAME NYE COM
4. LOCATION OF WELL 1285'S 1040'W	9. WELL NO. 293
14. DISTANCE IN MILES FROM NEAREST TOWN 4 MILES FROM BLANCO	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
15. DISTANCE FROM PROPOSED LOCATION 1040' TO NEAREST PROPERTY OR LEASE LINE.	11. SEC. T. R. M OR BLK. M SEC. 9 T29N R10W NMPM
16. ACRES IN LEASE 1504.81	12. COUNTY SAN JUAN
17. ACRES ASSIGNED TO WELL 320.56	13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 300' COMPL., OR APPLIED FOR ON THIS LEASE.	19. PROPOSED DEPTH 2216'
20. ROTARY OR CABLE TOOLS ROTARY	
21. ELEVATIONS (DF, FT, GR, ETC.) 5791'GL	22. APPROX. DATE WORK WILL START 4-10-89
23. PROPOSED CASING AND CEMENTING PROGRAM	
*SEE OPERATIONS PLAN	
DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLETION OF ATTACHED "GENERAL REQUIREMENTS".	
24. AUTHORIZED BY: <u>[Signature]</u> REGULATORY AFFAIRS	DATE 4-10-89

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-3.

NMCCC

APPROVED
AS MANAGER
[Signature]
AREA MANAGER

OPERATIONS PLAN

DATE: APR 10, 1989

Well Name: 293 NYE COM 1285'S 1040'W
 Sec. 9 T29N R10W SAN JUAN NEW MEXICO
 BASIN FRUITLAND COAL Elevation 5791'GL

Formation tops: Surface- NACIMIENTO
 Ojo Alamo- 958
 Kirtland- 1069
 Fruitland- 1787
 Fruitland Coal Top- 1985
 Fruitland Coal Base- 2176
 Total Depth- 2216
 Pictured Cliffs- 2182

Logging Program: Mud logs from 1787' to total depth.

Mud Program: Low solid non-dispersed mud from surface to total depth.

Casing Program:	Hole Size	Depth Interval	Csg. Size	Weight	Grade
	12 1/4"	0 - 400	8 5/8"	24.0#	K-55
	7 7/8"	0 - 2216	5 1/2"	15.5#	K-55
Tubing Program:		0 - 2216	2 3/8"	4.7#	J-55

Float Equipment: 8 5/8" surface casing - saw tooth guide shoe.

5 1/2" production casing - float shoe on bottom.
 Three centralizers run every other joint above shoe.

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

Cementing:

8 5/8" surface casing - cement with 280 sacks of class "B" cement with 1/4# flocculent/sack and 3% calcium chloride (330 cu ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

5 1/2" production casing - lead with 165 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. 436 cu ft. of slurry, 100% excess to cover the Ojo Alamo. Run temperature survey at 8 hours. WOC 12 hours. Test casing to 1500 psi for 30 minutes.

The Fruitland coal formation will be completed.

A 3000 psi WP and 6000 psi test double gate preventer equipped with blind and pipe rams will be used for blow out prevention on this well. This gas is dedicated.

The S/2 of Section 9 is dedicated to this well.

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

OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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 Nye Com (SF-078197)			Well No. 293		
Unit Letter M	Section 9	Township 29 North	Range 10 West	County NMPM San Juan				
Actual Footage Location of Well: 1285 feet from the South line and 1040 feet from the West line								
Ground level Elev. 5791		Producing Formation Fruitland Coal		Pool Basin		Dedicated Acreage: 320.56 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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

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.

Peggy Bradfield
Signature

Peggy Bradfield
Printed Name

Regulatory Affairs

Position
Meridian oil Inc.

Company

Date
4-10-89

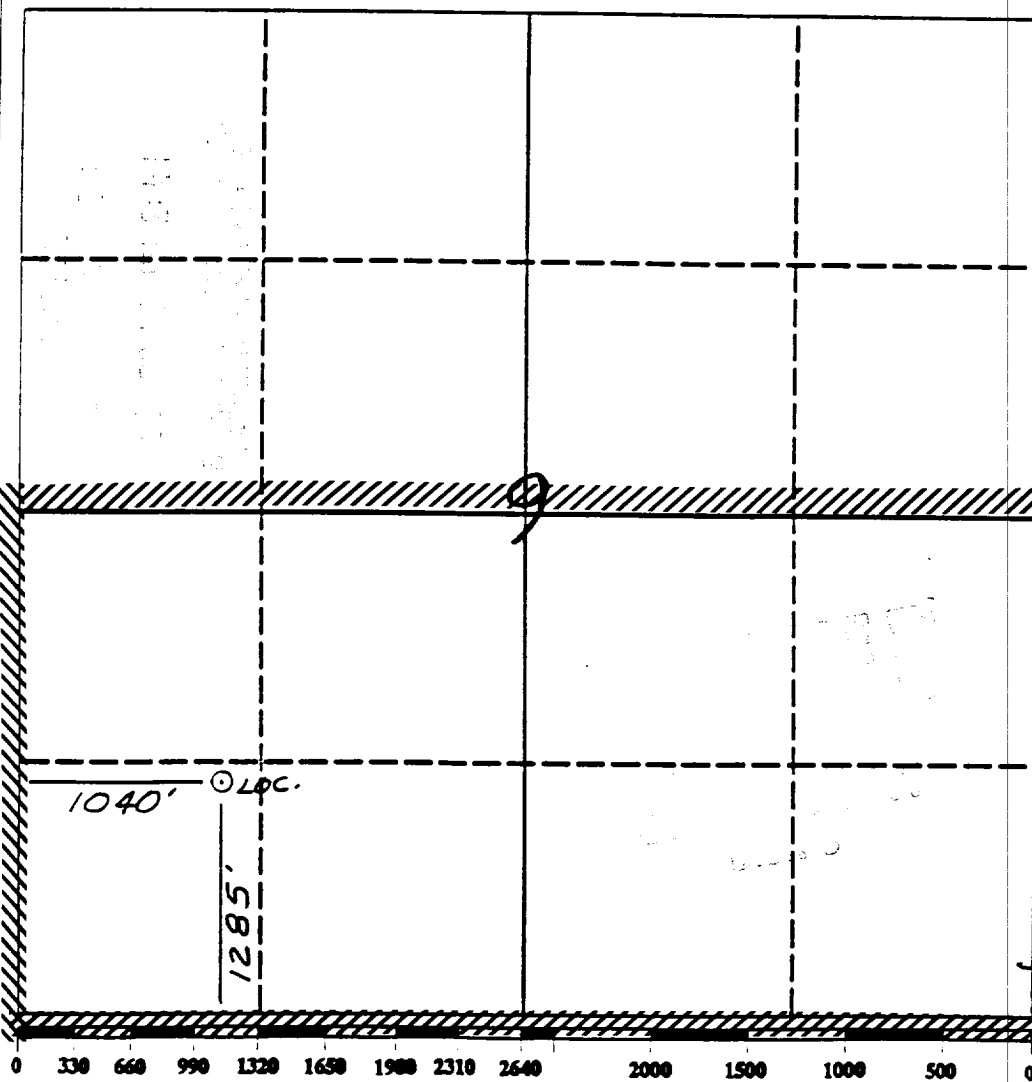
SURVEYOR CERTIFICATION

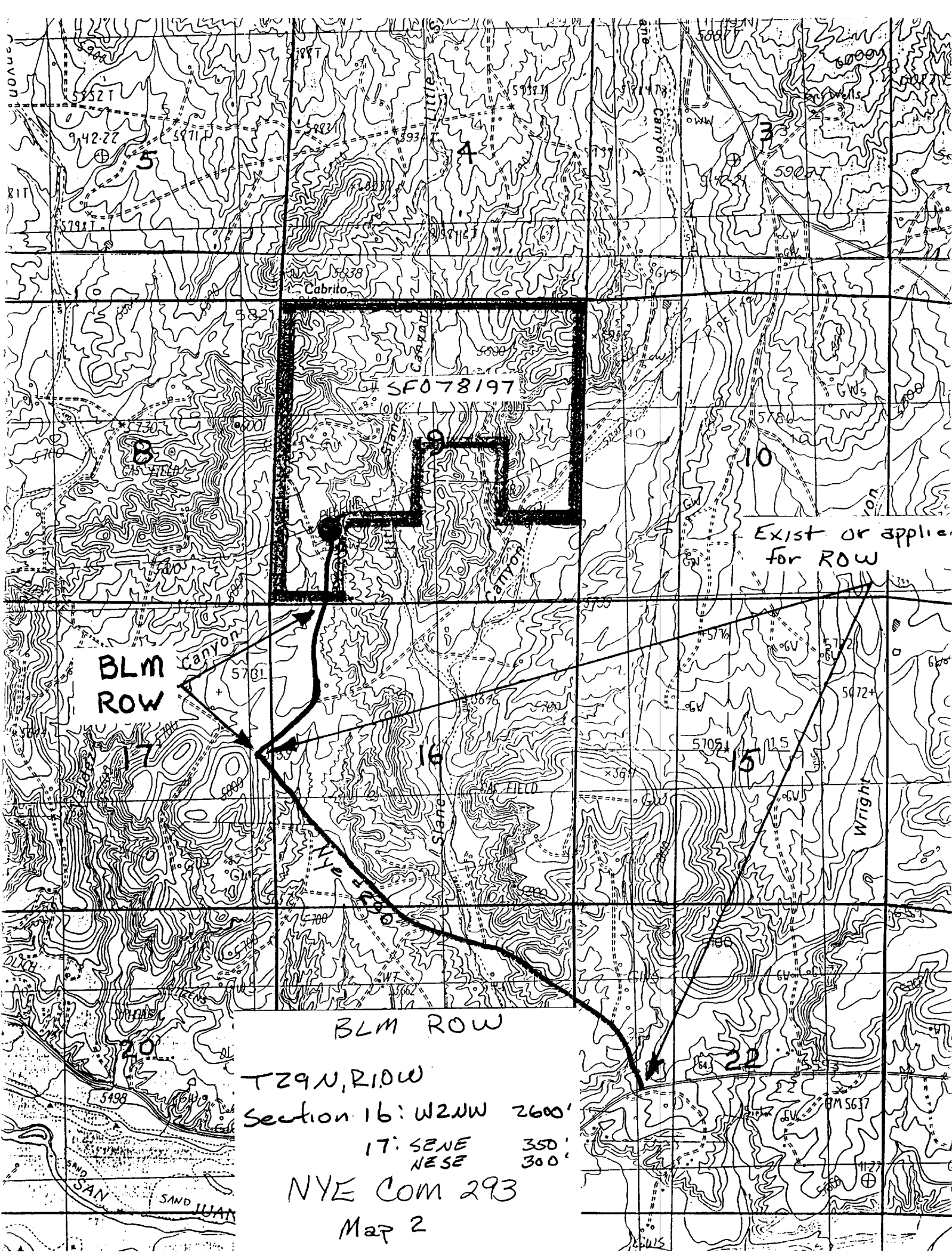
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
2-18-89
Neale C. Edwards

Signature & Seal of
Professional Surveyor

NEALE C. EDWARDS
6857
REGISTERED LAND SURVEYOR





SF078197

Exist or apply
for ROW

BLM
ROW

BLM ROW

TZ9N, R10W
Section 16: W2NW 2600'
17: SENE 350'
NESE 300'
NYE COM 293
Map 2