

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED MAR 24 1993	5. Lease Number SF-078386
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator MERIDIAN OIL <i>In</i> OIL CON. DIV. <i>14528</i> DIST. 3	7. Unit Agreement Name San Juan 32-9 Unit ✓ <i>7473</i>	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name San Juan 32-9 Unit	9. Well Number 18R ✓
4. Location of Well 1615' FSL, 1780' FWL Latitude 36° 53' 43", Longitude 107° 48' 22"	10. Field, Pool, Wildcat <i>72319</i> Blanco Mesa Verde ✓	11. Sec., Twn, Rge, Mer. <i>K</i> Sec 17, T31N, R9W ✓ NMPM
14. Distance in Miles from Nearest Town 14 miles NE of Aztec, NM	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1615'	17. Acres Assigned to Well 313.79 W/2 ✓	
16. Acres in Lease <i>123.79</i>	20. Rotary or Cable Tools Rotary	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 700'	22. Approx. Date Work will Start 2nd quarter 1993	
19. Proposed Depth 6143'	23. Proposed Casing and Cementing Program See Operations Plan attached	
21. Elevations (DF, FT, GR, Etc.) 6491' GR	24. Authorized by: <i>[Signature]</i> Regional Drilling Engineer	
		Date <i>3/3/93</i>

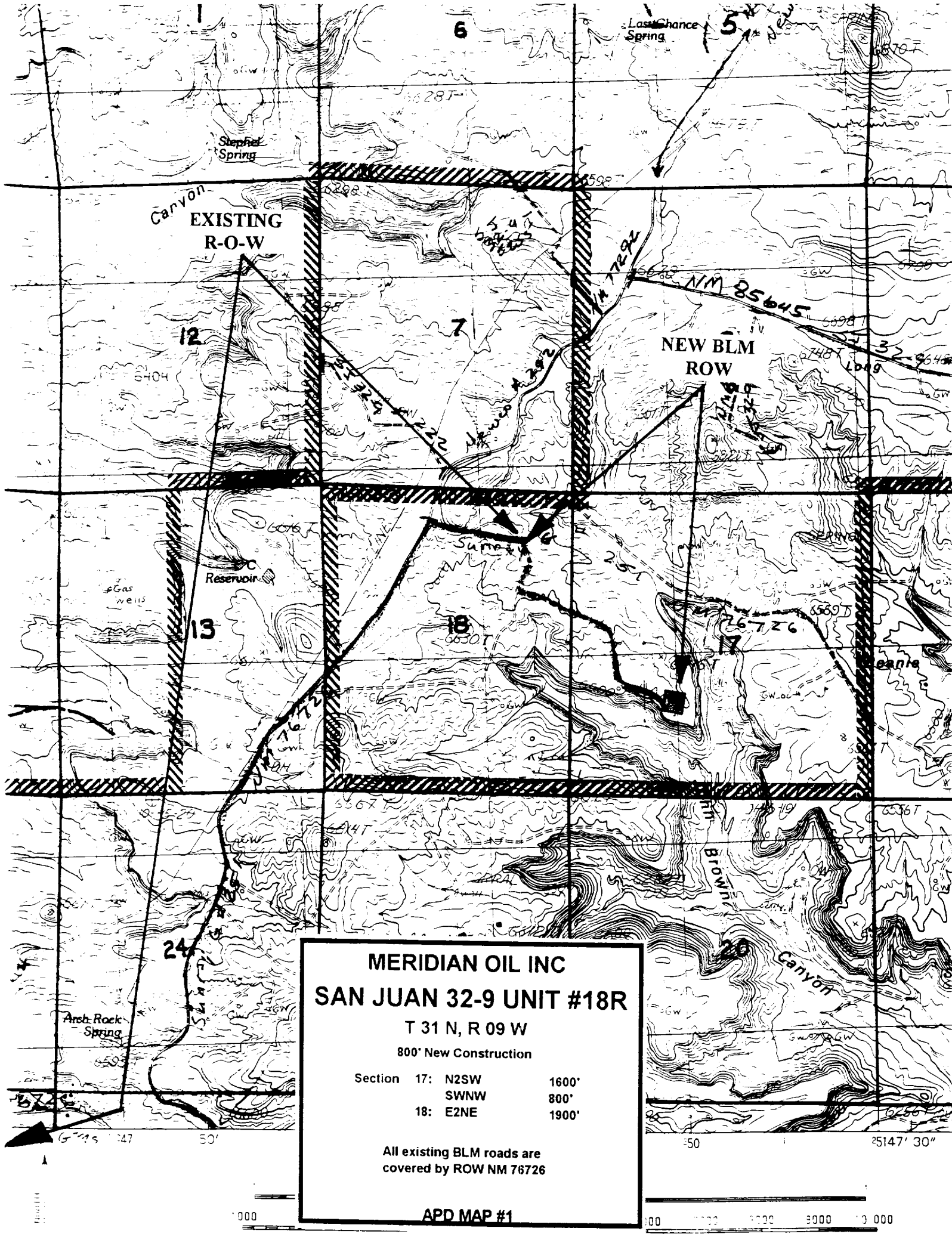
PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE _____

Archaeological Report submitted 12-12-92
Threatened and Endangered Species Report submitted 10-04-92

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

**APPROVED
AS AMENDED**

MAR 22 1993
DISTRICT MANAGER



MERIDIAN OIL INC
SAN JUAN 32-9 UNIT #18R

T 31 N, R 09 W

800' New Construction

Section	17: N2SW	1600'
	SWNW	800'
	18: E2NE	1900'

All existing BLM roads are
covered by ROW NM 76726

APD MAP #1

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00 1000 2000 3000 4000

March 3, 1993

OPERATIONS PLAN

Well Name: San Juan 32-9 Unit #18R
Location: 1615'FSL, 1780'FWL Section 17, T-31-N, R-09-W
 San Juan County, New Mexico
 Latitude 36° 53' 43", Longitude 107° 48' 22"
Formation: Blanco Mesa Verde
Elevation: 6143'GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	1841'	
Ojo Alamo	1841'	1875'	aquifer
Kirtland	1875'	2931'	
Fruitland	2931'	3342'	gas
Pictured Cliffs	3342'	3567'	gas
Lewis	3567'	4128'	
Intermediate TD	3767'		
Chacra	4128'	4888'	
Mesa Verde	4888'		gas & oil
Upper Cliff House	4888'	5186'	
Massive Cliff House	5186'	5254'	
Menefee	5254'	5593'	
Massive Point Lookout	5593'	5657'	
Lower Point Lookout	5657'		
Total Depth	6143'		

Logging Program:

Openhole Wireline Logging -
 Surface to Total Depth : CNL/GR
 Intermediate TD to Total Depth : DIL/LDT/Temp
 Mud Logs/Coring/DST -
 Mud logs - Intermediate TD to Total Depth
 Coring - none
 DST - none

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 200'	Spud	8.4-8.9	40-50	no control
200-3767'	Weighted	8.4-9.1	30-60	no control
3767-6143'	Gas/Mist	n/a	n/a	n/a

Pit levels will be visually monitored to detect gain or loss of fluid control.

Casing Program:

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csg.Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3767'	7"	20.0#	K-55
6 1/4"	3617' - 6143'	4 1/2"	10.5#	K-55

Tubing Program:

0' - 6143' 2 3/8" 4.7# J-55