

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
SEP 16 1999

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-080517
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company	7. Unit Agreement Name Unit Reporting Number
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Payne 7379
4. Location of Well 2145' FSL, 565' FWL Latitude 36° 58.2, Longitude 107° 53.7	9. Well Number #2M
10. Field, Pool, Wildcat Blanco MV/Basin DK	11. Sec., Twn, Rge, Mer. (NMPM) Sec. 21, T-32-N, R-10-W
12. County San Juan	13. State NM
14. Distance in Miles from Nearest Town 3 miles to Cedar Hill	15. Distance from Proposed Location to Nearest Property or Lease Line 565'
16. Acres in Lease	17. Acres Assigned to Well W/ 316.00 W/ 315.56 W/ 316.00
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 400'	19. Proposed Depth 7860'
20. Rotary or Cable Tools Rotary	21. Elevations (DF, FT, GR, Etc.) 6338' GR
22. Approx. Date Work will Start	23. Proposed Casing and Cementing Program See Operations Plan attached
24. Authorized by: <i>Wayne Townsend</i> Regulatory/Compliance Administrator	25. Date 8-16-99

ONLY THE OPERATING AUTHORITY ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

PERMIT NO. _____ APPROVAL DATE SEP 21 1999
APPROVED BY WAYNE TOWNSEND TITLE Act. Team Lead DATE 9-21-99

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

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or presentations as to any matter within its jurisdiction.

Dakota 8 MV 0348 NMOC

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer DD, Artesia, NM 88211-0719

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-10
Revised February 21, 199
Instructions on bac
Submit to Appropriate District Office
State Lease - 4 Copie
Fee Lease - 3 Copie

53 AUG 18 PM 3:25
AMENDED REPORT
OIL CONSERVATION, NM

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-29971	² Pool Code 71599/72319	³ Pool Name Basin Dakota/Blanco Mesaverde
⁴ Property Code 7379	⁵ Property Name PAYNE	⁶ Well Number 2M
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	⁹ Elevation 6338'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot 10n	Feet from the	North/South line	Feet from the	East/West line	County
L	21	32N	10W		2145	SOUTH	565	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 10n	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acreage 315.56 315.56	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶	5235.12'	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.
LOT 3	LOT 2	LOT 1
2622.18'		2616.24'
LOT 4	LOT 5	
NMSF-080517		
21		
LOT 7	LOT 6	
565'		
2626.14'		
2145'		
LOT 8	LOT 9	
2604.36'		
	2655.18'	
		¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by or under my supervision and that the same is true and correct to the best of my belief.
		JUNE 1, 1999 Date of Survey
		Signature and Seal of Professional Surveyor NEALE C. EDWARDS NEW MEXICO 6857 Certificate Number 6857

OPERATIONS PLAN

Well Name: Payne #2M
Location: 2145' FSL, 565' FWL, Sec 21, T-32-N, R-10-W
 San Juan County, NM
 Latitude 36° 58.2, Longitude 107° 53.7
Formation: Blanco Mesa Verde/Basin Dakota
Elevation: 6338'GR

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	1442'	
Ojo Alamo	1442'	1467'	aquifer
Kirtland	1467'	2722'	gas
Fruitland	2722'	3142'	gas
Pictured Cliffs	3142'	3382'	gas
Lewis	3382'	3842'	gas
Intermediate TD	3482'		
Huerfano Bentonite	3842'	3912'	
Chacra	3912'	5032'	gas
Massive Cliff House	5032'	5100'	oil/gas
Menefee	5100'	5438'	gas
Massive Point Lookout	5438'	5822'	gas
Mancos	5822'	6652'	
Gallup	6652'	7500'	oil/gas
Greenhorn	7500'	7562'	
Graneros	7562'	7636'	
Dakota	7636'		gas
TD	7860'		

Logging Program:

Triple combo; air logs - TD to intermediate casing; temp log
 GR/Neut - TD to surface

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 200'	Spud	8.4-9.0	40-50	no control
200-3482'	LSND	8.4-9.0	30-60	no control
3482-7860'	Gas	n/a	n/a	n/a

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

Casing Program (as listed, the equivalent, or better):

<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#	WC-50
8 3/4"	0' - 3482'	7"	20.0#	J-55
6 1/4"	3382' - 7860'	4 1/2"	11.6#	N-80

Tubing Program:

0' - 7860' 2 3/8" 4.70# EUE

BOP Specifications, Wellhead and Tests:Surface to Intermediate TD -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1).
 After nipple-up prior to drilling out surface casing, rams and casing will be tested to 600 psi for 30 minutes.

BOP Specifications, Wellhead and Tests:Intermediate TD to Total Depth -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1).
 After nipple-up prior to drilling out intermediate casing, rams and casing will be tested to 1500 psi for 30 minutes.

BURLINGTON RESOURCES OIL & GAS COMPANY PAYNE #2M

2145' FSL & 565' FWL, SECTION 21, T32N, R10W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO

APD MAP #1

NO NEW CONSTRUCTION
NW/4 SECTION 21, T32N, R10W

