UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	Type of Work	5. Lease Number
	DRILL /	SF-080517 Unit Reporting Number
lb.	Type of Wall	6. If Indian, All. or Tribe
D.	Type of Well GAS	6. Il Illulari, Ali. Of Tribe
2.	Operator JAN 8001	7. Unit Agreement Name
	BURLINGTON RESOURCES Oil & Gas Company	
•	Address & Phone No. of Operator	8. Farm or Lease Name
	PO Box 4289, Farmington, NM 87499	Payne 9. Well Number
	(505) 326-9700	#1B /
·•	Location of Well	10. Field, Pool, Wildcat
	1625'FSL, 1700'FEL	Blanco Mesaverde
	Latitude 36° 58.1, Longitude 107° 54.1	11. Sec. 20, T-32-N, R-10-W
	Eactedate 30 30.17 Eoligicate 107 31.1	API# 30-045-30432
4.	Distance in Miles from Nearest Town	12. County 13. State
	11.5 miles from int. Hwy 550 & Hwy 173	San Juan NM
	Distance from Proposed Location to Nearest Property or Lease L 1625' Acres in Lease	17. Acres Assigned to Well
16.	1625' Acres in Lease	17. Acres Assigned to Well 315.81 S/2
15. 16. 18.	1625' Acres in Lease Distance from Proposed Location to Nearest Well, Drig, Compl, o	17. Acres Assigned to Well 315.81 S/2
16.	1625' Acres in Lease Distance from Proposed Location to Nearest Well, Drig, Compl, of	17. Acres Assigned to Well 315.81 S/2 or Applied for on this Lease
16. 18.	Distance from Proposed Location to Nearest Well, Drig, Compl, or 786' Proposed Depth	17. Acres Assigned to Well 315.81 S/2 or Applied for on this Lease 85.20. Rotary or Cable Tools
16. 18. 19. 21.	Distance from Proposed Location to Nearest Well, Drig, Compl, or 786' Proposed Depth 5722' Elevations (DF, FT, GR, Etc.)	17. Acres Assigned to Well 315.81 S/2 or Applied for on this Lease 85.30. Rotary or Cable Tools Rotary 22. Approx. Date Work will Start
16. 18. 19. 21.	Distance from Proposed Location to Nearest Well, Drig, Compl, or 786' Proposed Depth 5722' Elevations (DF, FT, GR, Etc.) 6240' GR Proposed Casing and Cementing Program	17. Acres Assigned to Well 315.81 S/2 or Applied for on this Lease 85.30. Rotary or Cable Tools Rotary 22. Approx. Date Work will Start
16. 18. 19. 21.	Distance from Proposed Location to Nearest Well, Drig, Compl, or 786' Proposed Depth 5722' Elevations (DF, FT, GR, Etc.) 6240' GR Proposed Casing and Cementing Program See Operations Plan attached	17. Acres Assigned to Well 315.81 S/2 or Applied for on this Lease 65.30. Rotary or Cable Tools Rotary 22. Approx. Date Work will Start
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118. 119. 221. 223.	Distance from Proposed Location to Nearest Well, Drig, Compl, or 786' Proposed Depth Procedural Report of Street S	17. Acres Assigned to Well 315.81 S/2 or Applied for on this Lease 65.30. Rotary or Cable Tools Rotary 22. Approx. Date Work will Start //

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.

DISTRICT | P.O. Box 1980, Hobbs, N.M. B8241-1980 State of New Mexico Energy, Minerals & Natural Resources Department Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office

DISTRICT II P.O. Drower DD, Artesia, N.M. 88211-0719

OIL CONSERVATION DIVISION

State Lease — 4 Copies Fee Lease — 3 Copies

1000 Rio Brazos Rd., Aztec, N.M. 87410

P.O. Box 2088 Santa Fe, NM 87504-2088

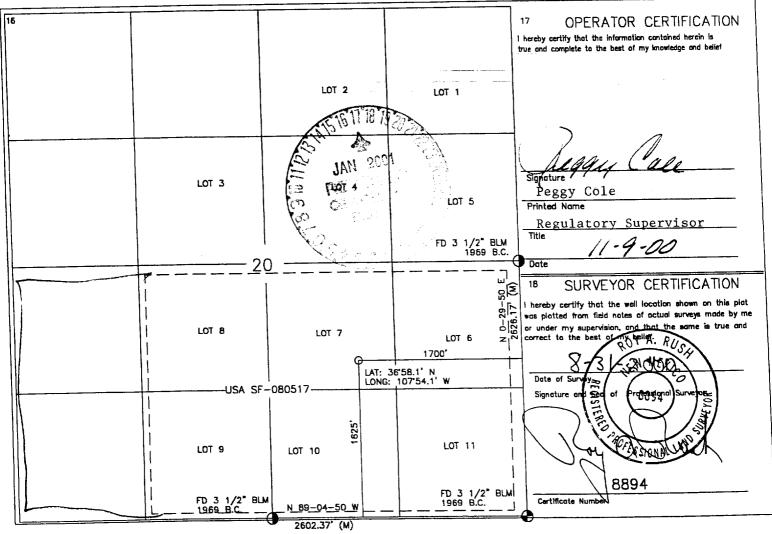
AMENDED REPORT

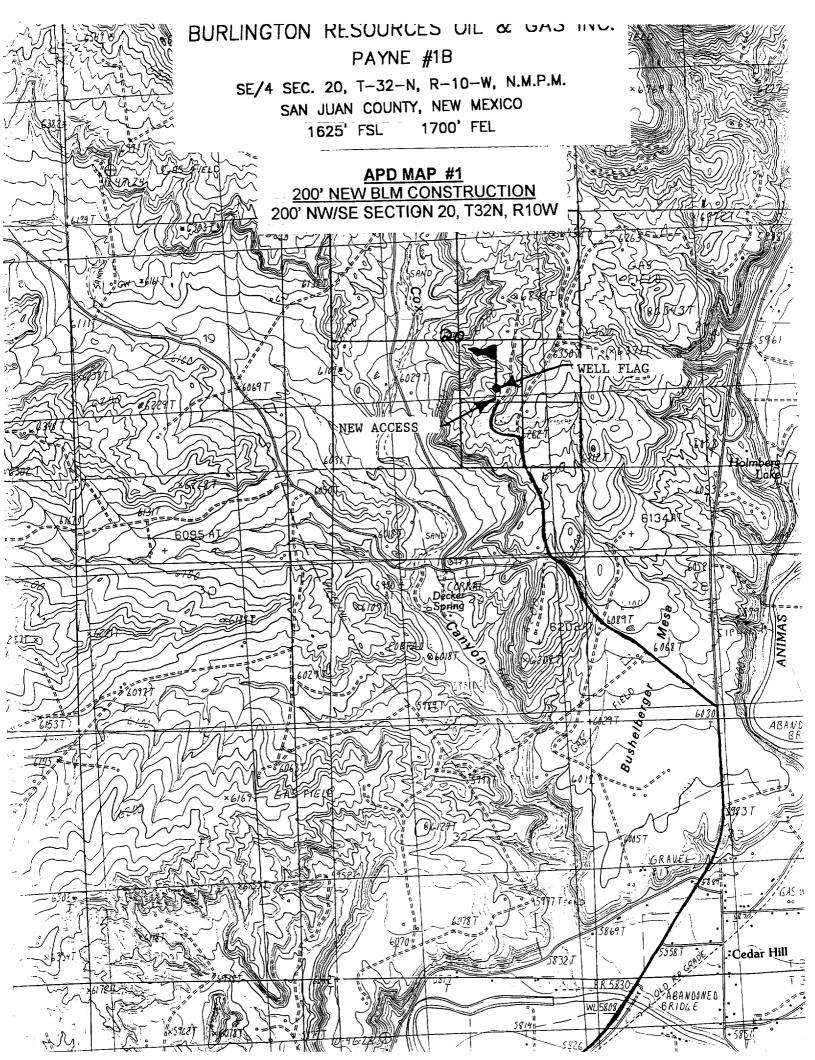
DISTRICT IV PO Box 2088, Santa Fe, NM 87504—2088

DOX 2000, Danie : - 1	\AJE	LI LOCATIONI AN	ND ACREAGE DEDICATION PLAT	
1.00	VVE.	Pool Code	3 Pool Name	
30-045- 50	132	72319	Blanco Mesaverde	A.W.B. M.
⁴ Property Code		⁵ Property Name		• Well Number
7379		• .	PAYNE	1B
⁷ OGRID No.	Operator Name BURLINGTON RESOURCES OIL & GAS INC.		Operator Name	⁹ Elevation
14538			6240'—	
	<u> </u>	¹⁰ S	urface Location	

Feet from the East/West line County North/South line Lot Idn Feet from the Ronge UL or lot no. Section Township **EAST** SAN JUAN 1700 SOUTH 32-N 1625 10-W 20 J Location If Different From Surface 11 Bottom Hole North/South line Feet from the East/West line County Feet from the Lot Idn UL or lot no. Section Township Range 15 Order No. 14 Consolidation Code Dedicated Acres
MV: S/315.81 ¹³ Joint or Infill

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





OPERATIONS PLAN

Well Name: Payne #1B

Surface Location: 1625'FSL, 1700'FEL, Section 20, T-32-N, R-10-W

San Juan County, New Mexico

Latitude 36° 58.1'N, Longitude 107° 54.1'W

Formation:

Blanco Mesa Verde

Elevation: 6240'GR

Formation Tops:	Top	Bottom	<u>Contents</u>
Surface	San Jose	1302'	aquifer
Ojo Alamo	1302'	1372 '	aquifer
Kirtland	1372 ′	2441'	gas
Fruitland	2441'	3042'	gas
Pictured Cliffs	3042'	3157 '	gas
Lewis	3157 ′	3737 ′	gas
Intermediate TD	3407'		
Mesa Verde	3737 '	4192'	gas
Chacra	4192'	4912 '	gas
Massive Cliff House	4912 '	4992'	gas
Menefee	4992 '	5322'	gas
Point Lookout	5322'		gas
Total Depth	5722V		

Logging Program:

Cased hole logging - Gamma Ray, Cement bond from surface to TD Open hole logging - none
Mud Logs/Coring/DST - none----

Mud Program:

Interval- MD	Type	Weight	<u>Vis.</u>	Fluid Loss
0- 200'	Spud	8.4-9.0	40-50	no control
200- 3407'	LSND	8.4-9.0	30-60	no control
3407- 5722'	Air/Mist	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):

	Measured			
Hole Size	Depth	Csg Size	Weight	Grade
12 1/4"	0' - 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3407'	7 ''	20.0#	J-55
6 1/4" 3	307 ' - 5722 '	4 1/2"	10.5#	J-55

Tubing Program: 0' -5722' 2 3/8" 4.7# J-55

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 (cont'd):

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.

Surface to Total Depth -

2" nominal, 2000 psi minimum choke manifold (Reference Figure #3).

Completion Operations -

7 1/16" 2000 psi double gate BOP stack (Reference Figure #2). After nipple-up prior to completion, pipe rams, casing and liner top will be tested to 2000 psi for 15 minutes.

Wellhead -

9 5/8" x 7" x 2 3/8" x 2000 psi tree assembly.

General -

- Pipe rams will be actuated once each day and blind rams will be actuated once each trip to test proper functioning.
- An upper kelly cock valve with handle available and drill string valves to fit each drill string will be available on the rig floors at all times.
- . BOP pit level drill will be conducted weekly for each drill crew.
- All BOP tests & drills will be recorded in daily drilling reports.
- · Blind and pipe rams will be equipped with extension hand wheels.

Cementing:

9 5/8" surface casing - cement with 159 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (188 cu.ft. of slurry, 200% excess to circulate to surface). WOC 8 hrs. Test casing to 600 psi for 30 minutes.

Saw tooth guide shoe on bottom. Bowspring centralizers will be run in accordance with Onshore Order #2.

7" intermediate casing -

Lead w/356 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele. Tail with 90 sx Class "G" 50/50 poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele (1035 cu.ft. of slurry, 100% excess to circulate to surface). WOC minimum of 8 hours before drilling out intermediate casing. If cement does not circulate to surface, a CBL will be run to determine TOC. Test casing to 1500 psi for 30 minutes.

7" intermediate casing alternative two stage: Stage collar at 2341'. First stage: cement w/251 sx 50/50 Class "G" poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. Second stage: w/277 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (1035 cu.ft. of slurry, 100% excess to circulate to surface).

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. Bowspring centralizers spaced every other joint off bottom, to the base of the Ojo Alamo at 1372'. Two turbolating centralizers at the base of the Ojo Alamo at 1372'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

4 1/2" Production Liner -

Cement to circulate liner top. Pump 230 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (331 cu.ft., 50% excess to circulate liner). WOC a minimum of 18 hrs prior to completing.

Note: If open hole logs are run, cement volumes will be based on 25% excess over caliper volumes.

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. The liner hanger will have a rubber packoff.

 If hole conditions permit, an adequate water spacer will be pumped ahead of each cement job to prevent cement/ mud contamination or cement hydration.

Special Drilling Operations (Air/Mist Drilling):

The following equipment will be operational while gas/mist drilling:

- An anchored blooie line will be utilized to discharge all cuttings and circulating medium to the blow pit a minimum of 100' from the wellhead.
- The blooie line will be equipped with an automatic igniter or pilot light.
- Compressors will be located a minimum of 100' from the wellhead in the opposite direction from the blooie line.
- Engines will have spark arresters or water cooled exhaust.
- · The rotating head will be properly lubricated and maintained.
- A float valve will be utilized above the bit.
- Mud circulating equipment, water, and mud materials will be sufficient to maintain control of the well.

Additional Information:

- The Mesa Verde formation will be completed.
- No abnormal temperatures or hazards are anticipated.
- Anticipated pore pressures are as follows:

Fruitland Coal 150 psi Pictured Cliffs 260 psi Mesa Verde 375 psi

- Sufficient LCM will be added to the mud system to maintain well control, if lost circulation is encountered below the top of the Pictured Cliffs.
- The south half of Section 20 is dedicated to the Mesa Verde.
- This gas is dedicated.

Mike Wadnishy 11/17/00
Drilling Engineer Date