UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

la.	Type of Work DRILL	5. Lease Number SF-078215 Unit Reporting Number
1b.	Type of Well GAS	6. If Indian, All. or Tribe
2.	Operator BURLINGTON RESOURCES Oil & Gas Company	7. Unit Agreement Name
3.	Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Page 9. Well Number 101R
4.	Location of Well 1550'FSL, 2480'FWL Latitude 36° 58.9', Longitude 107° 55.5'	10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 18, T-32-N, R-10-W API# 30-045-
	Distance in Miles from Nearest Town Miles to Int Hwy 550 & Hwy 173 north of Aztec	12. County 13. State San Juan NM
15. 16.	Distance from Proposed Location to Nearest Property or Lease 1550' Acres in Lease	17. Acres Assigned to Well
		320.13
18.	Distance from Proposed Location to Nearest Well, Drlg, Compl	9/3-
18. 19.	Distance from Proposed Location to Nearest Well, Drlg, Compl 558' Proposed Depth 3096	9/8-
	558' Proposed Depth	, or Applied for on this Lease 20. Rotary or Cable Tools Rotary
19.	Proposed Depth 3096 Elevations (DF, FT, GR, Etc.)	, or Applied for on this Lease 20. Rotary or Cable Tools Rotary
19. 21.	Proposed Depth 3096 Elevations (DF, FT, GR, Etc.) 6374' Proposed Casing and Cementing Program	, or Applied for on this Lease 20. Rotary or Cable Tools

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.

NMOCU

This action is subject to become a d procedural radious pursuant to 45 CTM 3185.8 and appeal pursuant to 45 GM 2005.4

DISTRICT 1 P.O. Box 1980, Hobbs, N.M. 88241-1980 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 N P.O. Drawer DD, Arlesia, N.M. 88211-0719

OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe, NM 87504-2088

State Lease — 4 Copies Fee Lease — 3 Copies

DISTRICT III 1000 Rio Brazos Rd., Aziec, N.M. 87410 NETDUCT IN

☐ AMENDED REPORT

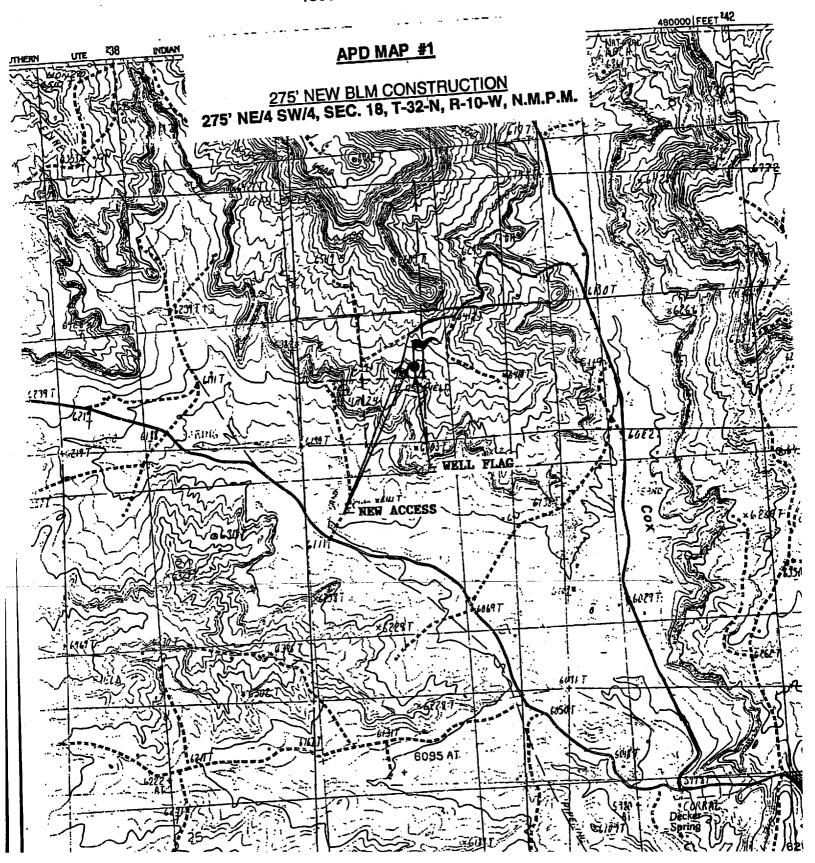
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0-045	310	21		Pool Code 71629		Basin Fruit	Land (Joal		<u> </u>	
*Property Code				⁸ Property No	me		-		• W	il Number	
18595				PAGE							101R
OGRID No.				·	*Operator N	GFRE		⁹ Elevation			
14538			BURLINGTON RESOURCES OIL AND GAS INC.					6374'		6374 ' —————	
					¹⁰ Surface						·
or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet fn		East/Wes WES		SAN JUAN
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13.3

BURLINGTON RESOURCES OIL AND GAS INC.

PAGE No. 101R

SW/4 SEC. 18, T-32-N, R-10-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO 1550' FSL 2480' FWL



OPERATIONS PLAN

Well Name: Page #101R

Location: 1550'FSL, 2480'FWL Section 18, T-32-N, R-10-W

Latitude 36° 58.9, Longitude 107° 55.5

San Juan County, NM

Formation: Basin Fruitland Coal

Elevation: 6374'GL

Formation:	Top	Bottom	Contents
Surface	San Jose	1242'	
Ojo Alamo	1242'	1314'	aquifer
Kirtland	1314'	2642'	_
Intermediate TD	2640'		
Fruitland	2642'	3092'	gas
B/Basal Coal	י 3092	3096'	gas
Total Depth	3096'		

Logging Program: Open hole: Platform express TD-surface.

Cased hole: CBL/GR/CCL

Mudlog: 2 man unit from Ojo Alamo to TD

Coring Program: none

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 200'	Spud	8.4-9.0	40-50	no control
200-2640'	Non-dispersed	8.4-9.0	30-60	no control
2640-3096'	Air/Mist			

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

Hole Size	Depth In	<u>iterval</u>	Csg.Size	Wt.	<u>Grade</u>
12 1/4"	0'-	200'	9 5/8"	32.3#	H-40
8 3/4"	0'-	2640'	7"	20.0#	K-55
6 1/4"	2600' -	3096 '	5 1/2"	15.5#	K-55
Tubing Program:					
	0' -	3096'	2 3/8"	4.7#	J-55

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 float collar. Three centralizers run every fourth joint above shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1314'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

5 1/2" production casing - Pre-drilled liner run to the 7" casing with an overlap. Liner hanger is a slip grip type.

Wellhead Equipment: 9 5/8" x 7" x 2 3/8" x 11" 3000 psi xmas tree assembly.

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/30 minutes.

7" intermediate casing - lead w/361 sacks Premium Lite with 3% calcium chloride, 5 pps LCM-1, and 1/4#/sack flocele, 0.4% FL-52, & 0.4% SMS. Tail with 90 sacks Type III cmt with 1% calcium chloride, 1/4#/sack flocele and 0.2% FL-52 (893 cu.ft., 125% excess to circulate to surface).

5 1/2" liner - uncemented.

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

BOP and tests:

Surface to intermediate TD - 11" 2000 psi (minimum) double gate EOP stack (Reference Figure #1). Prior to drilling out surface casing, test rams to 600#/30 min.

Intermediate TD to Total Depth - 7 1/6" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to drilling out intermediate casing, test blind rams and casing to 1500 psi for 30 minutes; all pipe rams and casing to 1500 psi for 30 minutes each.

From surface to TD - choke manifold (Reference Figure #3).

Pipe rams will be actuated at least once each day and blind rams actuated once each trip to test proper functioning. An upper kelly cock valve with handle and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

Additional information:

- * The Fruitland Coal formation will be completed.
- * Anticipated pore pressure for the Fruitland is less than 500 psi.
- * This gas is dedicated.
- * The south half of section 18 is dedicated to the Fruitland Coal.

Date:	1/31/02	Drilling Engineer:	En S.	Liles