UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

1a.	Type of Work DRILL	5. Lease Number -7 /4 0 1 NMSF-078387 Unit Reporting Number
1b.	Type of Well GAS JAN 2004 GOLGER 194	070 Farmington, Ni 66. If Indian, All. or Tribe
2.	Operator BURLINGTON RESCURCES Oil & Gas Company	7. Unit Agreement Name
3.	Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499	8. Farm or Lease Name Howell D 9. Well Number
	(505) 326-9700	#351S
4.	Location of Well 1500' FNL, 1625' FWL Latitude 36° 52.3238, Longitude 107° 42.0780	10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 29, T31N, R8W
14.	Distance in Miles from Nearest Town	API # 30-045- 3/ 95/ 12. County 13. State
	29.2 miles from Blanco	San Juan NM
15.	Distance from Proposed Location to Nearest Property or Lease I	Line
16.	Acres in Lease	17. Acres Assigned to Well 320 W/2
18.	Distance from Proposed Location to Nearest Well, Drlg, Compl,	or Applied for on this Lease
19.	Proposed Depth 3450'	20. Rotary or Cable Tools Rotary
21.	Elevations (DF, FT, GR, Etc.) 6523' GR	22. Approx. Date Work will Start
23.	Proposed Casing and Cementing Program See Operations Plan attached	
24.	Authorized by: Tammy Winsoft Regulatory Specialist	10-2-03 Date
PERM	IIT NO APPROVAL D	ATE
	OVED BY F.F.O. TITLE	DATE 1-8-0

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.

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".



1625 N. French Dr., Hobbs, N.M. 68240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 15, 2000

DISTRICT II Bil South First, Artesia, N.M. B8210

2040 South Pacheco, Santa Fe, NM 87505

DISTRICT IV

DISTRICT III 1000 Rio Brazos Rd., Astec, N.M. 87410 OIL CONSERVATION DIVISION 2040 South Pacheco

Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

Santa Fe. NM 87505

☐ AMENDED REPORT

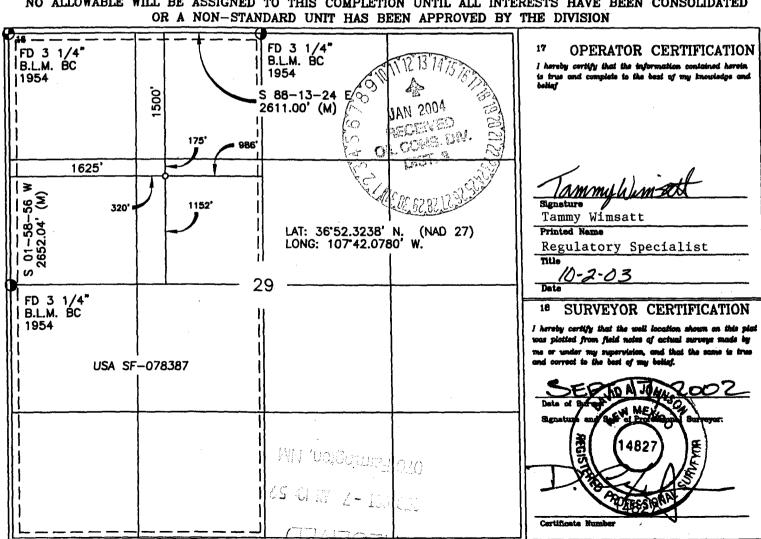
WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name		
30-045-3195	71629	Basin Fruitland Coal	•	
*Property Code	*Pr	perty Name • Well Number		
7124	HOV	351S		
OGRID No.	• O ₁	perator Name	Elevation	
14538	BURLINGTON RESOU	6523'		

Range UL or lot no. Section Township North/South line Feet from the Bast/West line Lot Idn Feet from the County F 29 31-N 8-W 1500' **NORTH** 1625' WEST SAN JUAN

¹¹ Bottom Hole Location If Different From Surface UL or lot no. Section Township Range Lot Idn Feet from the North/South line Feet from the Bast/West line County Dedicated Acres Joint or Infill M Consolidation Code BOrder No. W/320

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: Howell D #351S

Location: 1500' FNL, 1625' FWL, Section 29, T-31-N, R-8-W

Latitude 36° 52.54, Longitude 107° 42.13

San Juan County, NM

Formation: Basin Fruitland Coal

Elevation: 6523' GR

Formation:	Top	Bottom	Contents
Surface	San Jose	2155'	
Ojo Alamo	2155'	2255'	aquifer
Kirtland	2255'	3050'	gas
Fruitland	3050'	3135'	gas
Intermediate casing	3085'		
Top of Coal	3135 ′	3365 ′	
Base of Coal	3365 ′		
Pictured Cliffs	3370 ′		
Total Depth	3450'		

Logging Program:

Open hole - GR/RHOB from TD to 3085' Mud log - TD to 3085'

Coring Program: none

Mud Program:

<u>Interval</u>	Type	Weight	<u>Vis.</u>	Fluid Loss
0- 120'	Spud	8.4-9.0	40-50	no control
120-3085'	Non-dispersed	8.4-9.0	30-60	no control
3085- 3450'	Air/Mist			no control

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

<u> Hole Size</u>	Depth In	nterval	Csg.Size	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0'-	120'	9 5/8"	32.3#	H-40
8 3/4"	0'-	3085'	7"	20.0#	J-55
6 1/4"	3085' -	3450 ′	open hol	le	

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

<u> Hole Size</u>	Depth	Interval	Csg.Size	Wt.	Grade
12 1/4"	0'	- 120'	9 5/8"	32.3#	H-40
8 3/4"	0'	- 3085	7"	20.0#	J-55
6 1/4"	3045'	- 3450 ′	5 ½"	15.5#	J-55

Tubing Program:

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. Standard centralizers run every other joint above shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2255'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

San Juan 30-6 Unit #481S Page 2

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 23 sx Type I, II cement with 20% flyash, mixed at 14.5 ppg, 1.61 cu.ft. per sack yield (37 cu.ft. of slurry, bring cement to surface) or equivalent. Wait on cement for 24 hours for pre-set holes or 8 hrs for conventionally set holes before pressure testing or drilling out from under surface. Test BOP and casing to 600 psi for 30 minutes.

7" intermediate casing - lead w/268 sacks Premium Lite cement with 3% calcium chloride, 0.25 pps Celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate. Tail with 90 sacks Type III cement with 1% calcium chloride, 0.25 pps Celloflake, 0.2% fluid loss (695 cu.ft., 50% excess to circulate to surface).

5 1/2" liner - will not be cemented if run.

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 BOP stack (Reference Figure #1). Prior to drilling out surface casing, test BOP and casing to 600 psi/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 BOP 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 500 psi.
- This gas is dedicated.
- The west half of Section 29 is dedicated to this well.

Drilling Engineer. July Date: October 2 3073