

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED

1a. Type of Work DRILL	5. Lease Number NMSF078513 Unit Reporting Number 070 Farmington, NM	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator BURLINGTON RESOURCES Oil & Gas Company	7. Unit Agreement Name San Juan 32-9 Unit	
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 271S	
4. Location of Well 1140' FNL, 1185' FWL Latitude 36° 59.3210'N, Longitude 107° 49.3095'W	10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) C Sec. 18, T-32-N, R-9-W API # 30-045-31774	
14. Distance in Miles from Nearest Town 9 miles to Cedar Hill	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1140'	17. Acres Assigned to Well 212.62 W/2	
16. Acres in Lease	18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 2100'	
19. Proposed Depth 3782'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6936' GR	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u><i>Regan Case</i></u> Regulatory/Compliance Supervisor	Date <u>6-19-03</u>	

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

SEP 23 2003

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.

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

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

NMOCD

PU 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

Energy, Minerals & Natural Resources Department

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

Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

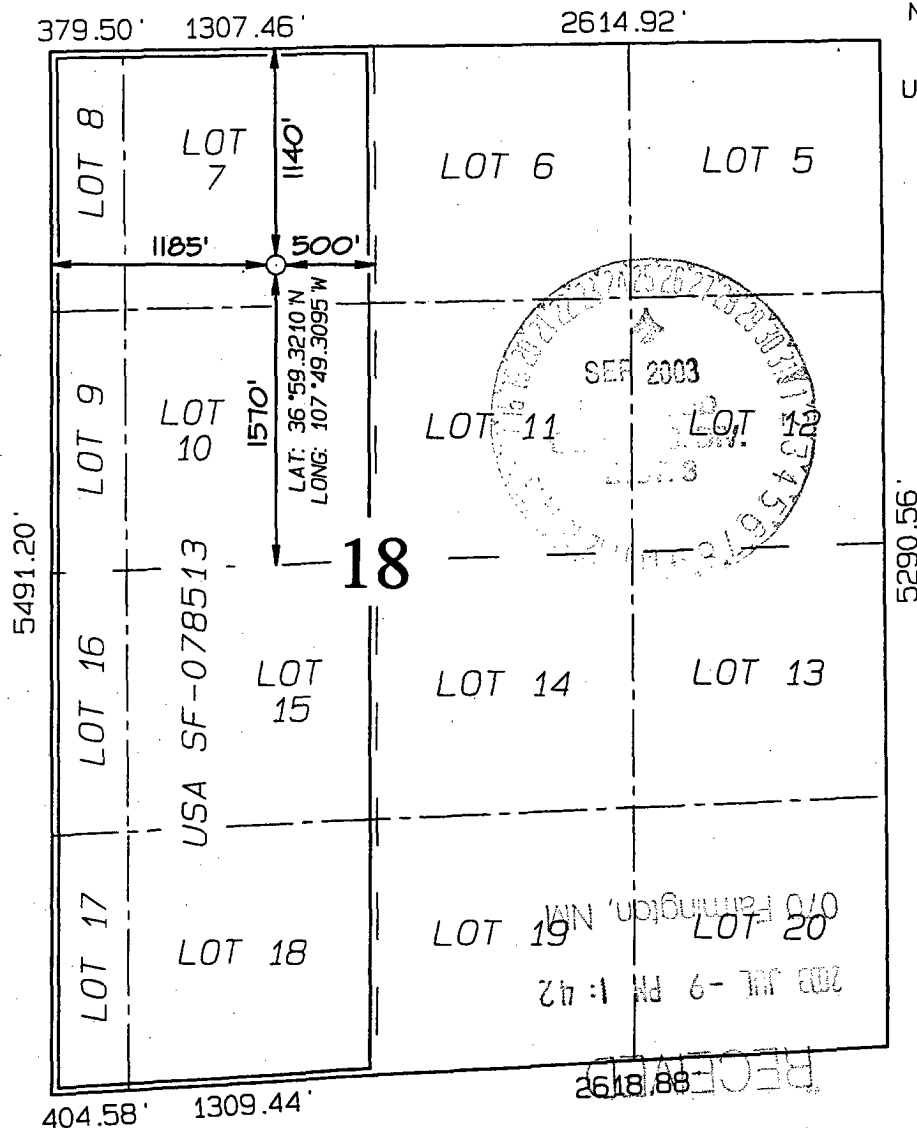
API Number 30-045- 31774	Pool Code 71629	Pool Name Basin Fruitland Coal
Property Code 7473	Property Name SAN JUAN 32-9 UNIT	Well Number 271S
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP	Elevation 6936'

10 Surface Location


UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	18	32N	9W		1140	NORTH	1185	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	East/West line	County
Dedicated Acres W/212.62					Joint or Infill		Consolidation Code		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

17 OPERATOR CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief	
Signature	<i>Peggy Cole</i>
Printed Name	Peggy Cole
Title	Regulatory Supervisor
Date	6-19-03
18 SURVEYOR CERTIFICATION	
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.	
Date of Survey: APRIL 4, 2003	
Signature and Seal of Professional Surveyor	
	
JASON C. EDWARDS	
Certificate Number 15269	

OPERATIONS PLAN

Well Name: San Juan 32-9 Unit #271S
Location: 1140' FNL, 1185' FWL Section 18, T-32-N, R-9-W
Latitude 36° 59.3210' N, Longitude 107° 49.3095' W
San Juan County, NM
Formation: Basin Fruitland Coal
Elevation: 6936' GR

Formation:	Top	Bottom	Contents
Surface	San Jose	2058'	
Ojo Alamo	2058'	2034'	aquifer
Kirtland	2034'	3148'	
Fruitland	3148'	3468'	
Intermediate TD	3418'		
Fruitland Coal	3468'	3682'	gas
B/Basal Coal	3682'	3684'	gas
Pictured Cliffs	3684'	3782'	
Total Depth	3782'		

Logging Program: none
Mudlog: with Softrock from 7" to TD
Coring Program: none

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 120'	Spud	8.4-9.0	40-50	no control
120-3418'	Non-dispersed	8.4-9.0	30-60	no control
3418-3782'	Air/Mist			

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

Hole Size	Depth Interval	Csg. Size	Wt.	Grade
12 1/4"	0' - 120'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3418'	7"	20.0#	J-55
6 1/4"	3418' - 3782'	open hole		

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

Hole Size	Depth Interval	Csg. Size	Wt.	Grade
12 1/4"	0' - 120'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3418'	7"	20.0#	J-55
6 1/4"	3378' - 3782'	5 1/2"	15.5#	J-55

Tubing Program:

0' - 3782'	2 3/8"	4.7#	J-55
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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 @ 2034'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 9 5/8" x 7" x 2 3/8" x 11" 2000 psi xmas tree assembly.

Cementing:

9 5/8" surface casing - cement with 32 sx Class A, B Portland Type I, II cement (38 cu.ft. of slurry, bring cement to surface through 3/4" line) or equivalent. WOC 24 hours for pre-set holes or 8 hours for conventionally set holes before pressure testing or drilling out from under surface casing.

7" intermediate casing - lead w/304 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 (770 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 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 west half of section 18 is dedicated to the Fruitland Coal.

Date: 6/23/2003

Drilling Engineer: James McCarthy