

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-079050D Unit Reporting Number 8910010510-MV 891001051B-Dk
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company 14538	7. Unit Agreement Name San Juan 28-6 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 7462 San Juan 28-6 Unit 9. Well Number 154M
4. Location of Well 1450' FNL, 955' FWL Latitude 36° 38' 08", Longitude 107° 25' 35"	10. Field, Pool, Wildcat 72319 Blanco Mesa Verde/ 71599 Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) F Sec 27, T-28-N, R-6-W API # 30-039-25631
14. Distance in Miles from Nearest Town 6 miles to Gobernador	12. County Rio Arriba 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 955'	17. Acres Assigned to Well 320 W/2
16. Acres in Lease	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 2000'	
19. Proposed Depth 7732'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6450'	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"
24. Authorized by: <u>[Signature]</u> Regulatory/Compliance Administrator	Date <u>12-31-96</u>

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

Archaeological Report to be submitted by Arboles Contract Archaeology
Threatened and Endangered Species Report submitted by Ecosphere dated October 1996
NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

NMOC

APPROVED
AS AMENDED
JAN 28 1997
IS/Duane W. Spencer,
DISTRICT MANAGER

NEW YORK STATE DEPARTMENT OF SOCIAL SERVICES
ALBANY
8857
6857

OPERATIONS PLAN

Well Name: San Juan 28-6 Unit #154M
Location: 1450' FNL, 955' FWL, Sec 27, T-28-N, R-6-W
 Rio Arriba County, NM
 Latitude 36° 38' 08", Longitude 107° 27' 35"
Formation: Blanco Mesa Verde/Basin Dakota
Elevation: 6450' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	2512'	
Ojo Alamo	2512'	2857'	aquifer
Fruitland	2857'	3262'	gas
Pictured Cliffs	3262'	3412'	gas
Lewis	3412'	3837'	gas
Intermediate TD	3462'		
Mesa Verde	3837'	4924'	gas
Massive Cliff House	4924'	5087'	gas
Menefee	5087'	5437'	gas
Massive Point Lookout	5437'	7397'	gas
Greenhorn	7397'	7502'	gas
Graneros	7502'	7602'	gas
Dakota	7602'		gas
TD (4 1/2" liner)	7732'		

Logging Program:**Mud Program:**

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 200'	Spud	8.4-8.9	40-50	no control
200-3462'	LSND	8.4-8.9	30-60	no control
3462-7732'	Gas	n/a	n/a	n/a

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

Casing Program:

<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"	36.0#	K-55
8 3/4"	0' - 3462'	7 "	23.0#	CF-50
6 1/4"	3362' - 6855'	4 1/2"	10.5#	K-55
6 1/4"	6855' - 7732'	4 1/2"	11.6#	K-55

Tubing Program:

0' - 7732' 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.

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).

BURLINGTON
RESOURCES

SAN JUAN 28-6 UNIT #154M
T28N, R6W

1800' New Construction
T28N, R6W

Section 27: NWNW 1800'

APD MAP #1

