

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED JAN 31 1997 OIL CON. DIV. DIST. 3	5. Lease Number SF-079521A Unit Reporting Number 8910000949A-Dk 89100009490-MV
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES 14538 Oil & Gas Company	7. Unit Agreement Name San Juan 28-5 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 7460 San Juan 28-5 Unit 9. Well Number 42M	
4. Location of Well 1450' FSL, 910' FEL Latitude 36 36.9° , Longitude 107° 23.7	10. Field, Pool, Wildcat 72319 Blanco MV/Basin Dk 71599 11. Sec., Twn, Rge, Mer. (NMPM) I Sec 31, T-28-N, R-5-W API # 30-039-25630	
14. Distance in Miles from Nearest Town 4.5 miles to Gobernador	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 910'	17. Acres Assigned to Well 319.28 S/2 319.28 S/2	
16. Acres in Lease	18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1800'	
19. Proposed Depth 7772'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6518' GR	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><i>Regan Bradfield</i></u> (Regulatory/Compliance Administrator)	<u>11-18-96</u> Date	

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

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

APPROVED
AS AMENDED
JS/ Duane W. Spencer
JAN 29 1997

NMOCD

DISTRICT MANAGER

Certificate N 6857

OPERATIONS PLAN

Well Name: San Juan 28-5 Unit #42M
Location: 1450' FSL, 910' FEL, Sec 31, T-28-N, R-5-W
 Rio Arriba County, NM
 Latitude 36° 36.9, Longitude 107° 23.7
Formation: Blanco Mesa Verde/Basin Dakota
Elevation: 6518' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	2615'	
Ojo Alamo	2615'	2925'	aquifer
Fruitland	2925'	3314'	gas
Pictured Cliffs	3314'	3480'	gas
Lewis	3480'	3855'	gas
Intermediate TD	3530'		
Mesa Verde	3855'	5000'	gas
Massive Cliff House	5000'	5164'	gas
Menefee	5164'	5505'	gas
Massive Point Lookout	5505'	7436'	gas
Greenhorn	7436'	7526'	gas
Graneros	7526'	7633'	gas
Dakota	7633'		gas
TD (4 1/2" liner)	7772'		

Logging Program:

Cased hole - CBL - TD to 200' above TOC, GR/CNL across MV/Dk

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
200-3530'	LSND	8.4-8.9	30-60	no control
3530-7772'	Gas	n/a	n/a	n/a

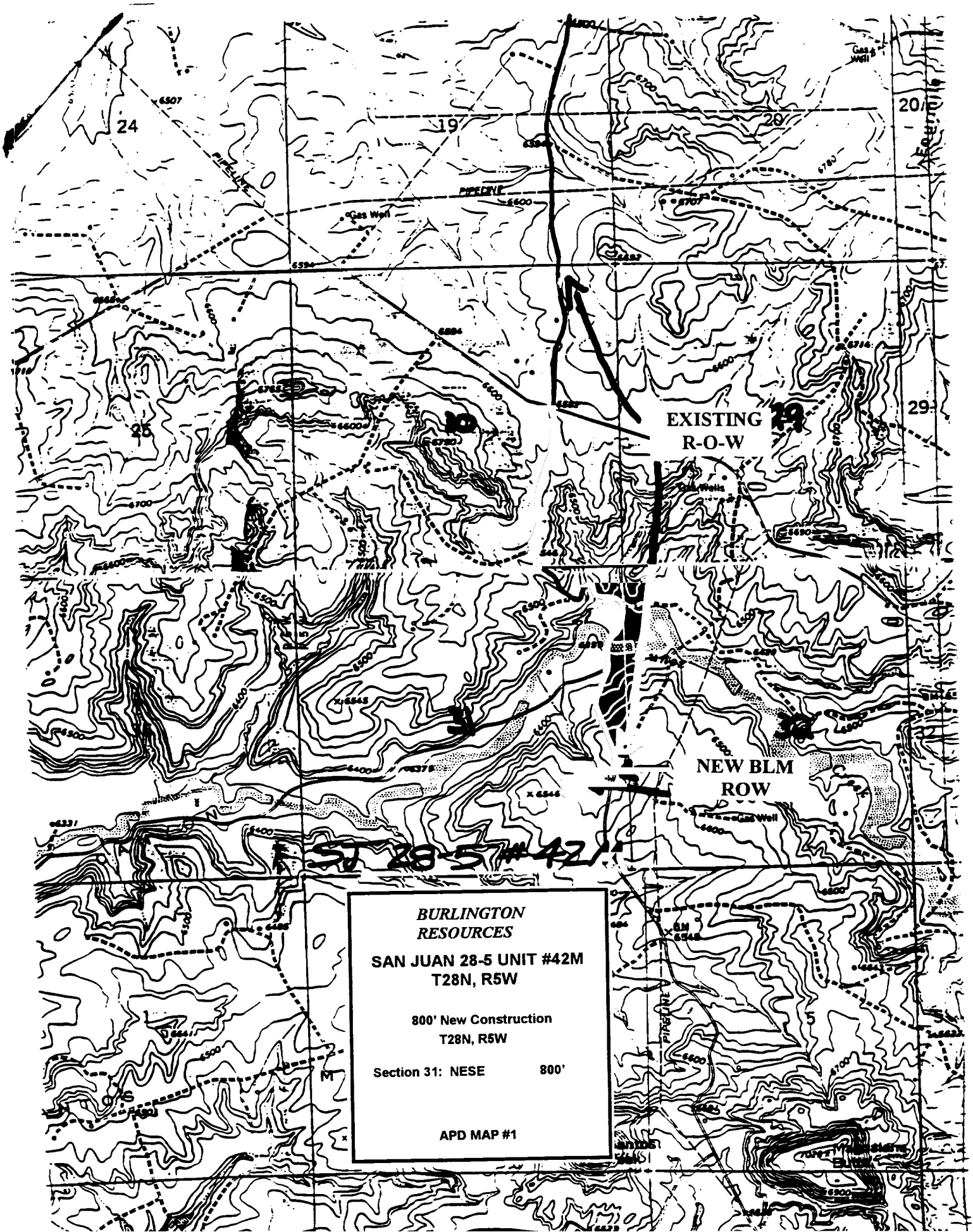
Pit levels will be visually monitored to detect gain or loss of fluid control.

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' - 3530'	7"	23.0#	CF-50
6 1/4"	3430' - 6855'	4 1/2"	10.5#	K-55
6 1/4"	6855' - 7772'	4 1/2"	11.6#	K-55

Tubing Program:

0' - 7772' 2 3/8" 4.70# EUE



BURLINGTON
RESOURCES
SAN JUAN 28-5 UNIT #42M
T28N, R5W
800' New Construction
T28N, R5W
Section 31: NESE 800'
APD MAP #1