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-077107A
Unit Reporting Number

1b. Type of Well
GAS

6. If Indian, All. or Tribe

DEC 2001
RECEIVED
OIL CON. DIV.
DIST. 3

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
Hancock B
9. Well Number
9R

4. Location of Well
980' FSL, 1145' FEL

Latitude 36° 37.7, Longitude 107° 47.3

10. Field, Pool, Wildcat
Aztec Pictured Cliffs
11. Sec., Twn, Rge, Mer. (NMPM)
P Sec. 28, T-28-N, R-9-W
API # 30-045- 30928

14. Distance in Miles from Nearest Town
17.5 miles from Blanco

12. County San Juan **13. State** NM

15. Distance from Proposed Location to Nearest Property or Lease Line
980'

16. Acres in Lease

17. Acres Assigned to Well
160

18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease
822'

19. Proposed Depth
3207'

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

20. Rotary or Cable Tools
Rotary

21. Elevations (DF, FT, GR, Etc.)
6847' GR

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program
See Operations Plan attached

SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"

24. Authorized by: Regulatory/Compliance Supervisor — Date 10-31-01

PERMIT NO. _____ **APPROVAL DATE** 12/11/01

APPROVED BY _____ **TITLE** AFM **DATE** 12/11/01

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.

NMOCD

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
811 South First, Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised August 15, 2000

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-045- 30928	71280	Aztec Pictured Cliffs

[4] Property Code	[5] Property Name	[6] Well Number
7078	HANCOCK B	9R
[7] OGRID No.	**[8] Operator Name**	**[9] Elevation**
14538	BURLINGTON RESOURCES OIL & GAS, INC.	6847'

[10] Surface Location

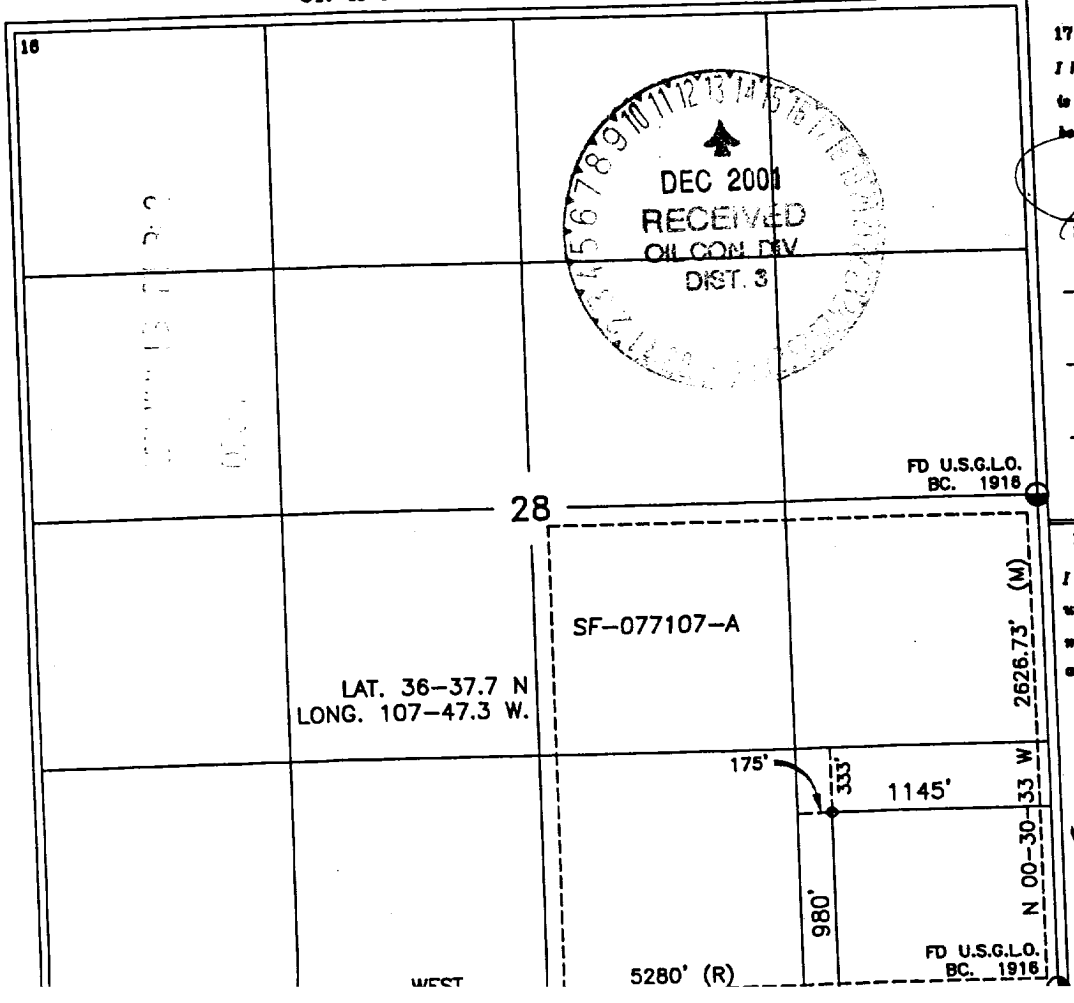
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	28	28-N	9-W		980	SOUTH	1145	EAST	SAN JUAN

[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

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
PC 160 SE			

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

Peggy Cole
Printed Name

Regulatory Supervisor
Title

10-31-01
Date

[18] SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this was plotted from field notes of actual surveys made me or under my supervision, and that the same is and correct to the best of my belief.

5-1-[illegible]
Date of Survey

Signature and Seal of Professional Surveyor:

R.O.W. A. RUSH
NEW MEXICO
8894
REGISTERED PROFESSIONAL LAND SURVEYOR

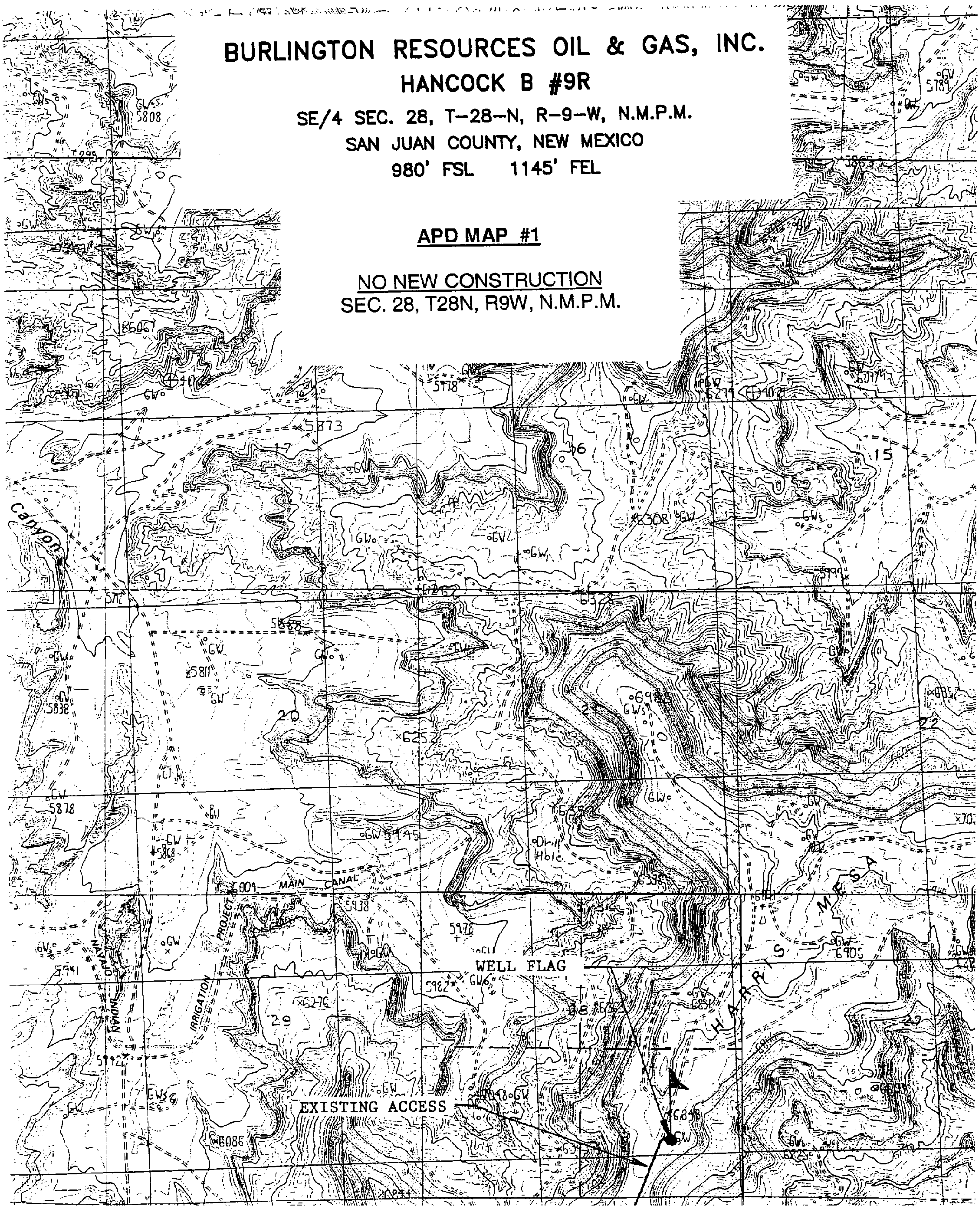
8894
Certificate Number

BURLINGTON RESOURCES OIL & GAS, INC.
HANCOCK B #9R

SE/4 SEC. 28, T-28-N, R-9-W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO
980' FSL 1145' FEL

<u>APD MAP #1</u>

<u>NO NEW CONSTRUCTION</u>
SEC. 28, T28N, R9W, N.M.P.M.



OPERATIONS PLAN

Well Name: Hancock B #9R
Location: 980'FSL, 1145'FEL, Section 28, T-28-N, R-9-W
San Juan County, New Mexico
Latitude 36° 37.7, Longitude 107° 47.3
Formation: Aztec Pictured Cliffs
Elevation: 6847' GL

Formation:	Top	Bottom	Contents
Surface	San Jose	1949'	
Ojo Alamo	1949'	2089'	aquifer
Kirtland	2089'	2580'	gas
Fruitland	2580'	3007'	gas
Pictured Cliffs	3007'		gas
Total Depth	3207'		

Logging Program:
Cased hole - Surface to TD - CBL-CCL-GR

Coring Program: None

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 200'	Spud	8.4-9.0	40-50	no control
200-3207'	FW	8.4-9.0	32-45	no control

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

Hole Size	Depth Interval	Csg.Size	Wt.	Grade
8 3/4"	0 - 200'	7"	20.0#	J-55
6 1/4"	0 - 3207'	2 7/8"	6.5#	J-55

Float Equipment: 7" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

2 7/8" production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Seven centralizers run every 3rd joint to the base of the Ojo Alamo @ 2089'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2089'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 7" x 2 7/8" 2000 psi screw on independent wellhead.

Cementing:
7" surface casing - cement with 76 sx Class B with 3% calcium chloride and 0.25 pps Flocele (90 cu.ft. of slurry, circulate cement to surface). WOC 8 hrs. Test casing to 600 psi for 30 minutes.

2 7/8" production casing - Lead w/447 sx Premium Lite cement w/3% calcium chloride, 1/4 pps Flocele, 5 pps LCM-1, 0.4% FL-52, 0.4% SMS. Tail w/90 sx Type III cement w/1% calcium chloride, 1/4 pps Flocele, and 0.2% FL-52 (1078 cu.ft. of slurry, 100% excess to circulate to surface).

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

BOP and tests:

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

Completion - 6" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to completion operations, test rams and casing to 2000 psi/15 min.

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

Pipe rams will be actuated to 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.

BOP and tests (if a coiled tubing drilling rig is utilized):

Surface to TD: 7 1/16" 2000 psi (minimum) Torus annular BOP stack (Reference Figure #1B). Prior to drilling out surface casing, test annular BOP to 600 psi/30 minutes.

Completion: 7 1/16" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to completion operations, test blind rams and casing to 1500 psi/30 minutes; all pipe rams and casing to 1500 psi/30 minutes each.

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

The annular BOP will be actuated to close on drill pipe (coiled tubing) at least once each day and to close on open hole once each trip to test proper functioning.

Additional information:

* The Pictured Cliffs formation will be completed.
* Anticipated pore pressure for the Pictured Cliffs is 500 psi.
* This gas is dedicated.
* The southeast quarter of Section 29 is dedicated to the Pictured Cliffs.

Eric J. Giles
Drilling Engineer

10/5/01
Date