

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

2000 MAR 23 PM 2:53
070 FARMINGTON, NM

1a. Type of Work DRILL	5. Lease Number SF-076465 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
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 Cornell B 9. Well Number #100
4. Location of Well 1075' FNL, 1315' FEL Latitude 36° 43.8, Longitude 108° 03.8	10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) A Sec. 14, T-29-N, R-12-W API # 30-045- 30198
14. Distance in Miles from Nearest Town 4 mi from Bloomfield	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1075'	17. Acres Assigned to Well 328.24 N/2
16. Acres in Lease	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 250'	
19. Proposed Depth 1944'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 5807' GL	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>Perry Cole</i></u> Regulatory/Compliance Administrator	<u>3-6-00</u> Date

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY *Jim J. [Signature]*

TITLE *Pet Eng*

DATE 10/25/00

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.

NMOCB

District I
PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994

District II
PO Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION

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

District III
1000 Rio Brazos Rd., Aztec, NM 87410

PO Box 2088
Santa Fe, NM 87504-2088

District IV
PO Box 2088, Santa Fe, NM 87504-2088

☐ AMENDED REPORT

070 FARMINGTON, NM

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-30198		*Pool Code 71629	*Pool Name Basin Fruitland Coal
*Property Code 26843	*Property Name CORNELL B		*Well Number 100
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 5807

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
A	14	29N	12W		1075	NORTH	1315	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 N/328.24	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

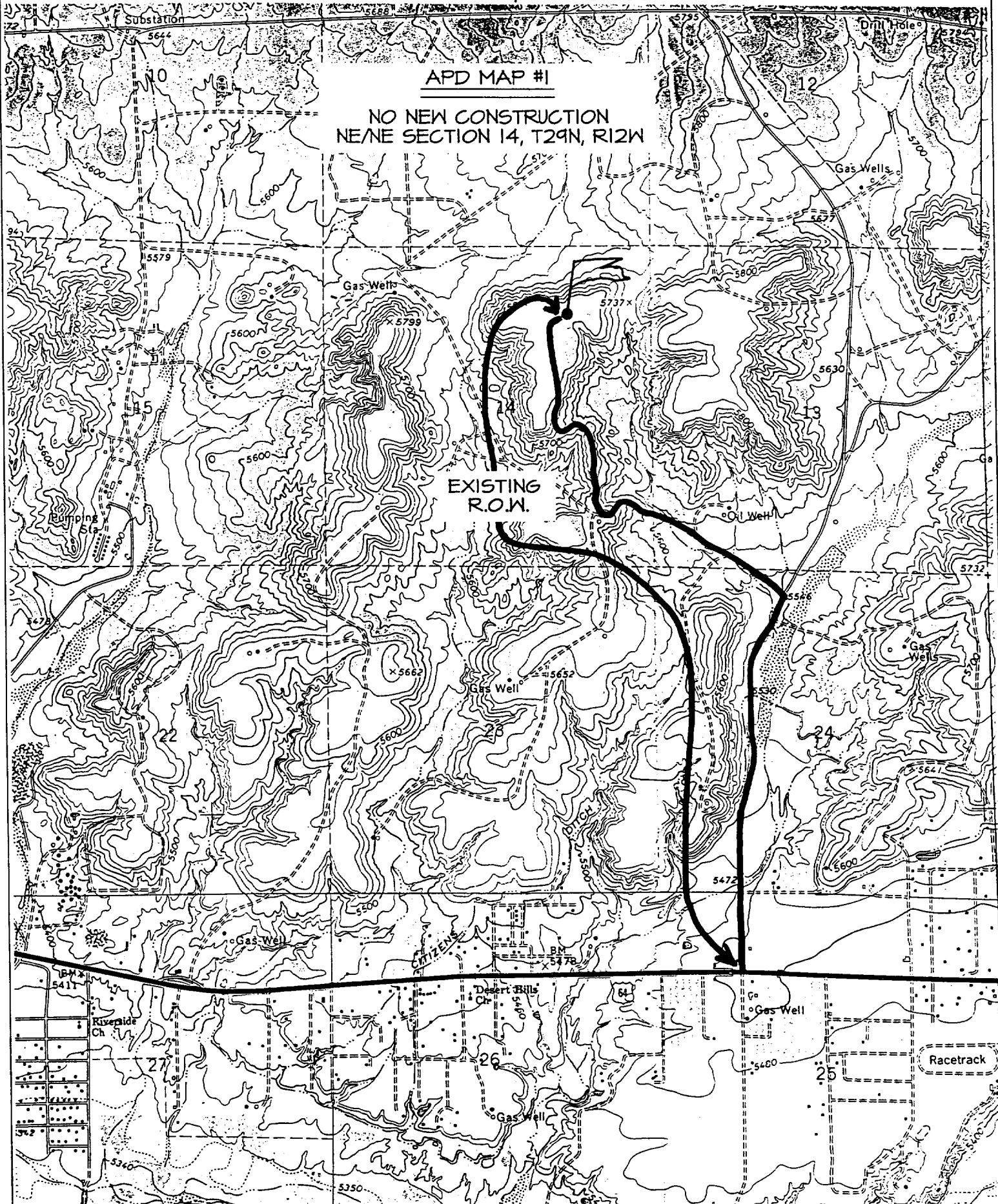
¹⁶				¹⁷ OPERATOR CERTIFICATION			
5446.32'				I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief			
LOT 2 SF-076465				LOT 1			
LOT 3 SF-065557-A				LOT 4			
LOT 5 NM-048572				LOT 6			
LOT 10				LOT 9			
LOT 11				LOT 8			
LOT 12				LOT 7			
LOT 13				LOT 14			
5426.52'				FEBRUARY 1, 2000			
				Date of Survey			
				Signature and Seal			
				NEALE C. EDWARDS			
				NEW MEXICO			
				6857			
				Certificate Number			
				6857			

BURLINGTON RESOURCES OIL & GAS COMPANY CORNELL B #100

1075' FNL & 1315' FEL, SECTION 14, T29N, R12W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO

APD MAP #1

NO NEW CONSTRUCTION
NE/NE SECTION 14, T29N, R12W



submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

2000 APR 10 PM 2:52

Sundry Notices and Reports on Wells

070 FARMINGTON, NM

1. Type of Well
GAS

2. Name of Operator

BURLINGTON
RESOURCES

OIL & GAS COMPANY

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

1075' FNL, 1315' FEL, Sec.14, T-29-N, R-12-W, NMPM

5. Lease Number
SF-076465

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Cornell B #100

9. API Well No.
30-045-

10. Field and Pool
Basin Fruitland Coal

11. County and State
San Juan Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

Type of Action

☒ Notice of Intent

☐ Abandonment

☒ Change of Plans

☐ Subsequent Report

☐ Recompletion

☐ New Construction

☐ Final Abandonment

☐ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut off

☐ Altering Casing

☐ Conversion to Injection

☐ Other -

13. Describe Proposed or Completed Operations

It is intended to change the casing and cementing program on the subject well.
Attached is the revised operations plan.

14. I hereby certify that the foregoing is true and correct.

Signed [Signature] Title Regulatory Administrator Date 4/6/00

TLW

(This space for Federal or State Office use)

APPROVED BY [Signature] Title Petr. Eng Date 10/25/00

CONDITION OF APPROVAL, if any:

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 representations as to any matter within its jurisdiction.

NMPCN

OPERATIONS PLAN

Well Name: Cornell B #100
Location: 1075' FNL, 1315' FEL Section 14, T-29-N, R-12-W
Latitude 36° 43.8, Longitude 108° 03.8
San Juan County, NM
Formation: Basin Fruitland Coal
Elevation: 5807' GL

Formation:	Top	Bottom	Contents
Surface	San Jose	518'	
Ojo Alamo	518'	684'	aquifer
Kirtland	684'	1590'	
Fruitland	1590'	1894'	gas
Fruitland Coal	1894'	1900'	gas
Pictured Cliffs	1900'	1944'	gas
Total Depth	1944'		

Logging Program: Platform express TD-surface.

Coring Program: none

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 120'	Spud	8.4-9.0	40-50	no control
120-1590'	Non-dispersed	8.4-9.0	30-60	no control
1590-1944'	Air			

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

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csq. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 120'	8 5/8"	28.24#	H-40
6 1/4"	120' - 1944'	4 1/2"	10.5#	K-55

Tubing Program:

0' - 1944' - 2 3/8" 4.7# J-55

Float Equipment: 8 5/8" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

4 1/2" 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 @ 684'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 684'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 8 5/8" x 4 1/2" x 2 3/8" x 11" 3000 psi xmas tree assembly.

Cementing:

8 5/8" surface casing - cement with 126 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (149 cu.ft. of slurry, 200% excess to circulate to surface). WOC 8 hrs. Test casing to 600 psi/30 minutes.

4 1/2" production casing - lead w/91 sacks Class "B" with 3% sodium metasilicate, 5 pps gilsonite, and 1/2#/sack flocele. Tail with 90 sacks 50/50 Class "B" Pozmix with 2% gel, 2% calcium chloride, 1/2#/sack flocele and 5 pps gilsonite (399 cu.ft., 100% excess to circulate to surface).

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" 3000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to drilling out intermediate casing, test blind rams and casing to 2500 psi for 30 minutes; all pipe rams and casing to 2500 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 1000 psi.
- * This gas is dedicated.
- * The north half of section 14 is dedicated to the Fruitland Coal.

Date: 4/16/2000

Drilling Engineer: Steve Campbell