

2/10/03	2/2/03	ENGINEER MS	LOGGED IN NW	TYPE NSL	PKRVO304/56610
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION  
- Engineering Bureau -  
1220 South St. Francis Drive, Santa Fe, NM 87505



RECEIVED

FEB 10 2003

OIL CONSERVATION  
DIVISION

## ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

### Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]  
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]  
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]  
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]  
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]  
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

### [1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication  
☒ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement  
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify \_\_\_\_\_

### [2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners  
[B] ☒ Offset Operators, Leaseholders or Surface Owner  
[C] ☐ Application is One Which Requires Published Legal Notice  
[D] ☒ Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office  
[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,  
[F] ☐ Waivers are Attached

### [3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

PEGGY COLE  
Print or Type Name

Signature

Title

Date

REGULATORY Supr. 2-7-03  
people@br-inc.com  
e-mail Address

# **BURLINGTON RESOURCES**

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SAN JUAN DIVISION

Sent Federal Express February 7, 2003

Mr. Michael Stogner  
New Mexico Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87504

Re: State Com 31-8 #2S  
630'FSL, 1985'FEL, Section 2, T-31-N, R-8-W, San Juan County  
30-045-31264

Dear Mr. Stogner:

Burlington Resources is applying for administrative approval of an unorthodox gas well location for the Basin Fruitland Coal.

The subject well was staked at this location due to geology as explained on the attachment and terrain. The steep cliffs and rugged terrain of Negro Canyon are shown on the attached topographic map. This well is staked to utilize the current pad of the State Com 31-8 #1A (30-045-26385) Mesaverde well located at 595'FSL, 1970'FEL of Section 2 as shown on the attached aerial photograph. This well is located inside the low productivity area which was recently authorized for Fruitland Coal infill drilling by Order R-8768-C.

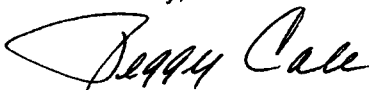
Production from the Fruitland Coal is to be included in a 320 acre gas spacing and proration unit comprising of the south half of Section 2 and is to be dedicated to the State Com 31-8 #2 (30-045-27765) Fruitland Coal well located at 1225'FSL, 1015'FWL of Section 2.

The following attachments are for your review:

- Approved application for Permit to Drill and completed C-102 at referenced location
- Offset operators/owners plat
- Geologic explanation
- Aerial photograph of Section 2 and topographic map

Three copies of this application are being submitted to offset operators/owners by certified mail with a request that they furnish you with a Waiver of Objection, keep one copy for their files and return one copy to this office. Please let me know if you have any questions about this application.

Sincerely,



Peggy Cole  
Regulatory Supervisor

## **WAIVER**

ConocoPhillips hereby waives objection to Burlington Resources' application for a non-standard location for the State Com 31-8 #2S as proposed above.

By: \_\_\_\_\_ Date: \_\_\_\_\_

Xc: Bureau of Land Management  
NMOCD – Aztec District Office

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

Form C-101

**APPLICATION FOR PERMIT TO DRILL**

Operator Name and Address Burlington Resources Oil and Gas Company LP PO Box 4289 Farmington, NM 87499		OGRID Number 14538
		API Number 30-45-31264
Property Code 7535	Property Name STATE COM 31 8	Well No. 002S

**Surface Location**

UL or Lot O	Section 2	Township 31N	Range 08W	Lot Idn	Feet From 630	N/S Line S	Feet From 1985	E/W Line E	County San Juan
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**Proposed Pools**

BASIN FRUITLAND COAL (GAS) 71629
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Work Type New Well	Well Type Gas	Cable/Rotary	Lease Type State	Ground Level Elevation 6593
Multiple N	Proposed Depth 3508	Formation Fruitland Coal	Contractor	Spud Date

**Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	9.625	32.3	120	80	0
Int1	8.75	7	20	3268	345	0
Liner1	6.25	5.5	15.5	3508	0	0

**Casing/Cement Program: Additional Comments**

Surface casing will be pre-set. Open hole completion.
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**Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	2000	2000	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Electronically Signed By: Peggy Cole

Title: Manager

Date: 11/15/2002

Phone: 505-320-5919

## OIL CONSERVATION DIVISION

Electronically Approved By: Charlie Perrin

Title: Manager

Approval Date:  
11/21/2002

Expiration Date:  
11/21/2003

Conditions of Approval:  
No Conditions

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-102

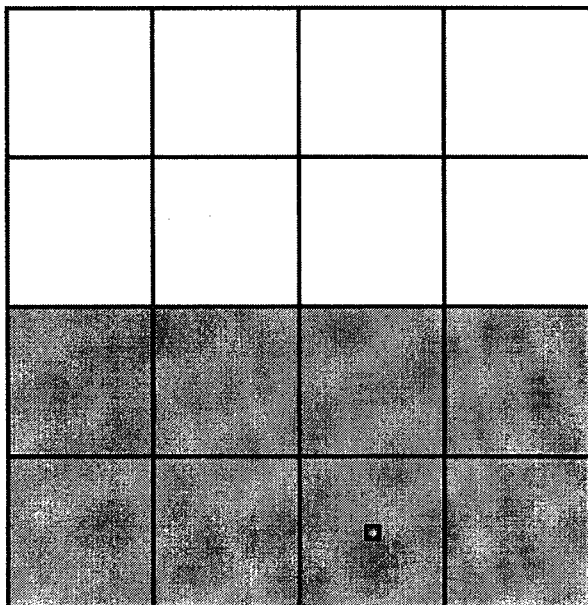
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-45-31264	Pool Name BASIN FRUITLAND COAL (GAS)	Pool Code 71629
Property Code 7535	Property Name STATE COM 31 8	Well No. 002S
OGRID No. 14538	Operator Name Burlington Resources Oil and Gas Company LP	Elevation 6593

### Surface And Bottom Hole Location

UL or Lot O	Section 2	Township 31N	Range 08W	Lot Idn	Feet From 630	N/S Line S	Feet From 1985	E/W Line E	County San Juan
Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.						



#### OPERATOR CERTIFICATION

*I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.*

Electronically Signed By: Peggy Cole

Title: Manager

Date: 11/15/2002

#### 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.*

Electronically Signed By: David A. Johnson

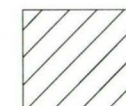
Date of Survey: 9/17/2002

Certificate Number: 14827

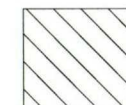
*Standard 640-ac Section*



**1** ConocoPhillips Company  
Operator & working interest owner  
PO Box 2197  
Houston, TX 77252-2197



Proposed Well



Offset Operator



**BURLINGTON RESOURCES**  
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700 0 700 1400 Feet

**BURLINGTON RESOURCES**  
*San Juan Division*

State Com 31-8 #2S  
Section 2, T-31-N, R-8-W  
San Juan County, New Mexico  
Offset Operator/Owner Plat  
Nonstandard Location  
Fruitland Coal Formation

Transverse Mercator  
State Plane - 1927 ; New Mexico, West 1:27884

Prepared By: Tammy Wimsatt Date: 02/04/2003

File No: Revised:

File Name: s:\public\tlw\state com 31-8 #2sapr.apr

Re: State Com 31-8 #2S  
630'FSL, 1985'FEL, Section 2, T-31-N, R-8-W, San Juan County  
30-045-31264

I hereby certify that the following offset operators/owners have been mailed notification of our application for non-standard location.

ConocoPhillips  
PO Box 2197  
Houston, TX 77252-2197

A handwritten signature in cursive script that reads "Peggy Cole 2-7-03". The signature is written in black ink and is positioned above the printed name and title of the signatory.

Peggy Cole  
Regulatory Supervisor  
Burlington Resources

**State Com 31-8 #2S  
630'FSL, 1985'FEL  
Section 2, T-31-N, R-8-W  
San Juan County, New Mexico**

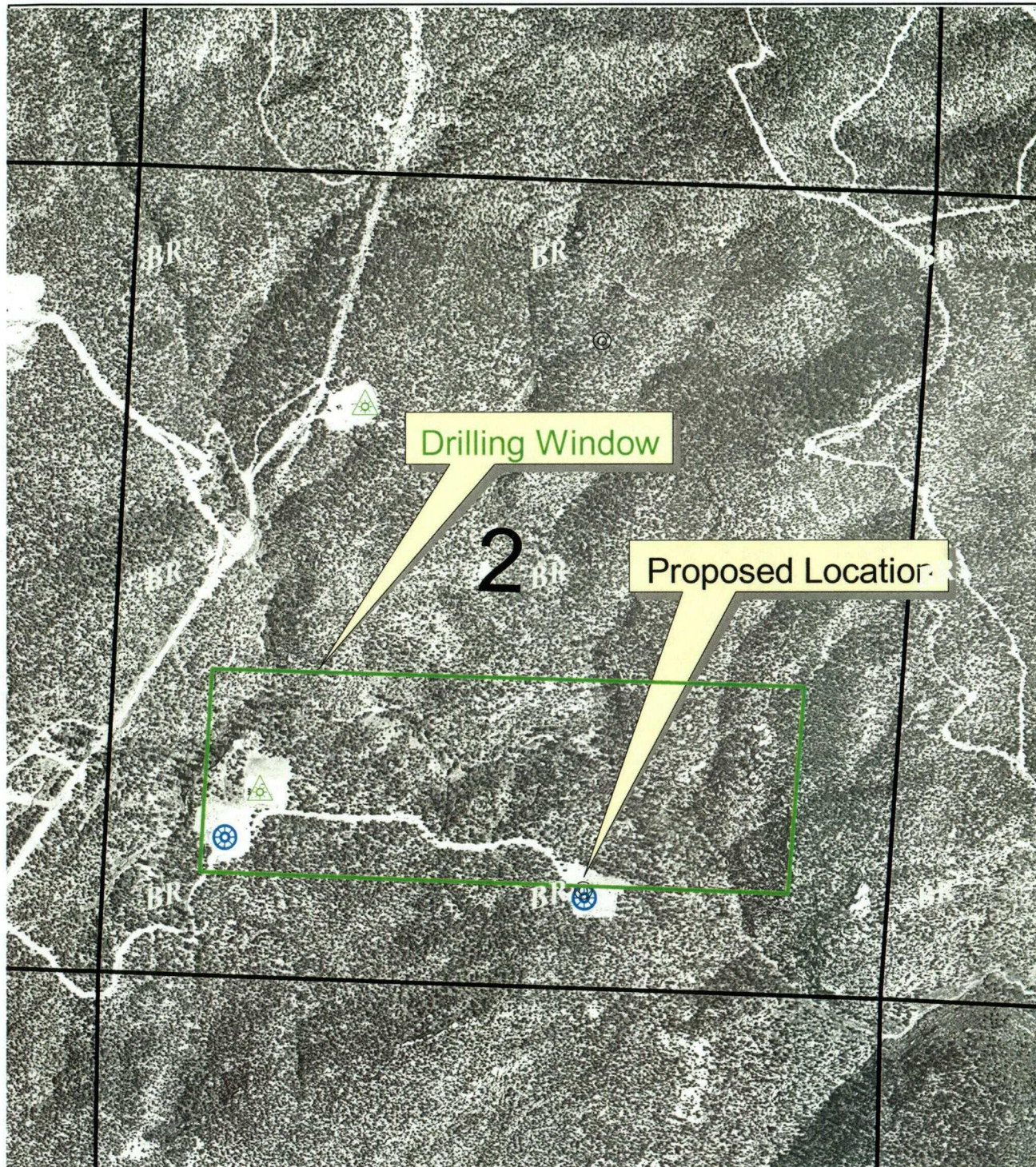
Geology believes there to be a two-fold reason to locate the State Com 31-8 #2S as far to the south as reasonably possible and with preference to keep farther west. First, through detailed mapping of the regional coal thickness there appears to be lesser coal to the north and east due to the presence of a perennial fluvial system during the depositional time of the target coals. Not only does such a system tend to prevent the deposition of coal forming peat swamps but it also degrades the quality of what is deposited by the influx clastic matter from overbank deposits and channel shifting.

Secondly there is some operational concern with the upper shales and hole stability found in a more northeastwardly position. The shales to the NE have been known to be very unstable in the open hole environment and cause repeated and costly operational problems.

Additionally, any more distance that can be gained to the SW will help minimize the influence of the temporary transgression of the seaway which has all but eliminated some of the lower coals to the NE. Comparing the GR/Density logs between the parent #2 well and the would be #1A twin one can already see a degradation of the coal packages both in quality and seam separation.

While a twin with the State Com 31-8 #1A may not provide the best possible location it does provide a reasonable compromise position that will also minimize surface disturbance.





- P2000 Well Header
- FRUITLAND COAL
- MESAVERDE
- PROPOSED WELL
- Town Outlines
- Counties
- Sections
- Townships



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300 0 300 600 900 1200 Feet

**BURLINGTON RESOURCES**  
 SAN JUAN DIVISION

**State Com 31-8 #2S**  
**Section 2, 31N-8W**

Transverse Mercator  
 UTM - 1927 ; Zone 13

1:12045

Prepared By: ALAN ALEXANDER Date: 02/07/2003  
 File No: <Please enter file number> Revised: <Revision date>  
 File Name: R:\Plat\San Juan Basin\san\_juan\_basin.apr



BURLINGTON RESOURCES OIL AND GAS, INC.

STATE COM 31-8 No. 2S

SE/4 SEC. 2, T-31-N, R-8-W, N.M.P.M.

SAN JUAN COUNTY, NEW MEXICO

630' FSL 1985' FEL

APD MAP

SW/4 SE/4 SEC. 2, NO NEW STATE CONSTRUCTION

STATE COM 31-8 #2S

WELL FLAG

EXISTING ACCESS

TN 11°

0 1000 FEET 0 500 1000 METERS

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