

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
DRILL

1b. Type of Well
GAS

2. Operator
BURLINGTON
RESOURCES OIL & GAS COMPANY LP

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499
(505) 326-9700

4. Location of Well
1725' FNL, 1370' FWL
Latitude 36° 49.47, Longitude 107° 27.14

5. Lease Number
NMSF-080714A
Unit Reporting Number

6. If Indian, All. or Tribe

7. Unit Agreement Name
San Juan 30-6 Unit

8. Farm or Lease Name
San Juan 30-6 Unit

9. Well Number
431S

10. Field, Pool, Wildcat
Basin Fruitland Coal

11. Sec., Twn, Rge, Mer. (NMPM)
F Sec. 10, T-30-N, R-6-W
API # 30-039-27713

12. County
Rio Arriba

13. State
NM

14. Distance in Miles from Nearest Town
18 miles from Gobernador

15. Distance from Proposed Location to Nearest Property or Lease Line
1370'

16. Acres in Lease

17. Acres Assigned to Well
320 W/2

18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease
1500'

19. Proposed Depth
3290'

20. Rotary or Cable Tools
Rotary

21. Elevations (DF, FT, GR, Etc.)
6301' GR

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program
See Operations Plan attached

24. Authorized by: Nancy Olsen
Senior Staff Specialist

Date 10-15-03

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

Archaeological Report attached

Threatened and Endangered Species Report attached

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.

✓
ALL OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

NMOC

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

District II
PO Drawer DD, Artesia, NM 88211-0719District III
1000 Rio Brazos Rd., Aztec, NM 87410District IV
PO Box 2088, Santa Fe, NM 87504-2088

OIL CONSERVATION DIVISION

PO Box 2088

Santa Fe, NM 87504-2088

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

RECEIVED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

2nd APR 28 PM 2:50

*API Number 30-039-		*Pool Code 71629	*Pool Name 070 FARMINGTON, NM Basin Fruitland Coal
*Property Code 7469	*Property Name SAN JUAN 30-6 UNIT		*Well Number 431S
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP		*Elevation 6301'

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
F	10	30N	6W		1725	NORTH	1370	WEST	RIO ARRIBA

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 W/320	13 Joint or Infill	14 Consolidation Code	15 Order No.
-----------------------------	--------------------	-----------------------	--------------

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. <u>Nancy Oltmanns</u> Signature Nancy Oltmanns Printed Name Senior Staff Specialist Title 10-14-03 Date
	18 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. Survey Date: AUGUST 11, 2003 Signature and Seal of Professional Surveyor <u>JASON C. EDWARDS</u> Certificate Number 15269

OPERATIONS PLAN

Well Name: San Juan 30-6 Unit #431S
Location: 1725' FNL, 1370' FWL, Section 10, T-30-N, R-6-W
Latitude 36° 49.47, Longitude 107° 27.14
Rio Arriba County, NM
Formation: Basin Fruitland Coal
Elevation: 6301' GR

Formation:	Top	Bottom	Contents
Surface	San Jose	2348'	
Ojo Alamo	2348'	2455'	aquifer
Kirtland	2455'	2768'	gas
Fruitland	2768'	2965'	gas
Intermediate casing	2915'		
Top of Coal	2965'	3205'	
Base of Coal	3205'		
Pictured Cliffs	3215'		
Total Depth	3290'		

Logging Program:

Open hole - GR/RHOB from TD to 2915'
Mud log - TD to 2915'

Coring Program: none

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 120'	Spud/Air/Air Mist	8.4-9.0	40-50	no control
120-2915'	Non-dispersed	8.4-9.0	30-60	no control
2915-3290'	Air/Mist			no control

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

Hole Size	Depth Interval	Csg. Size	Wt.	Grade
12 1/4"	0' - 120'	9 5/8"	32.3#	H-40
8 3/4"	0' - 2915'	7"	20.0#	J-55
6 1/4"	2915' - 3290'	open hole		

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

Hole Size	Depth Interval	Csg. Size	Wt.	Grade
12 1/4"	0' - 120'	9 5/8"	32.3#	H-40
8 3/4"	0' - 2915'	7"	20.0#	J-55
6 1/4"	2885' - 3290'	5 1/2"	15.5#	J-55

Tubing Program:

0' - 3290' 2 3/8" 4.7# J-55

Float Equipment: 9 5/8" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

7" intermediate casing - guide shoe and self-fill float collar. Standard centralizers run every other joint above shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2455'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 9 5/8" x 7" x 2 3/8" x 11" 2000 psi xmas tree assembly.

Cementing:

9 5/8" surface casing -

Pre-Set Drilled Cement with 23 sx Type I, II cement with 20% flyash mixed at 14.5 ppg, 1.61 cu ft per sack yield. (37 cu ft of slurry, bring cement to surface) Wait on cement for 24 hours for pre-set holes before pressure testing or drilling out from under surface.

Conventionally Drilled:

Cement with 88 sx Type III cement with 0.25 pps Celloflake, 3% CaCl. (113 cu ft of slurry, 200% excess, bring cement to surface) Wait on cement for 8 hrs for conventionally set holes before pressure tessting or drilling out from under surface.

Wait on cement until cement establishes 250 psi compressive strength prior to nipple up of BOP.

7" intermediate casing - lead w/250 sacks Premium Lite cement with 3% calcium chloride, 0.25 pps Celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate. Tail with 90 sacks Type III cement with 1% calcium chloride, 0.25 pps Celloflake, 0.2% fluid loss (657 cu.ft., 50% excess to circulate to surface).

5 1/2" liner - will not be cemented if run.

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

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 BOPE to 600 psi for 30 min.

Intermediate TD to Total Depth - 7 1/6" 2000 psi (minimum) completion BOP stack (Reference Figure #2). Prior to drilling out intermediate casing, test BOPE and casing to 1500 psi for 30 minutes.

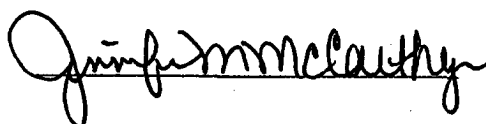
From surface to 7" TD - a choke manifold will be installed in accordance with Onshore Order No. 2 (Reference Figure #3). When the cavitation completion rig drills the production hole, the completion rig configuration will be used (Reference Figure #4).

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 500 psi.
- This gas is dedicated.
- The west half of Section 10 is dedicated to this well.

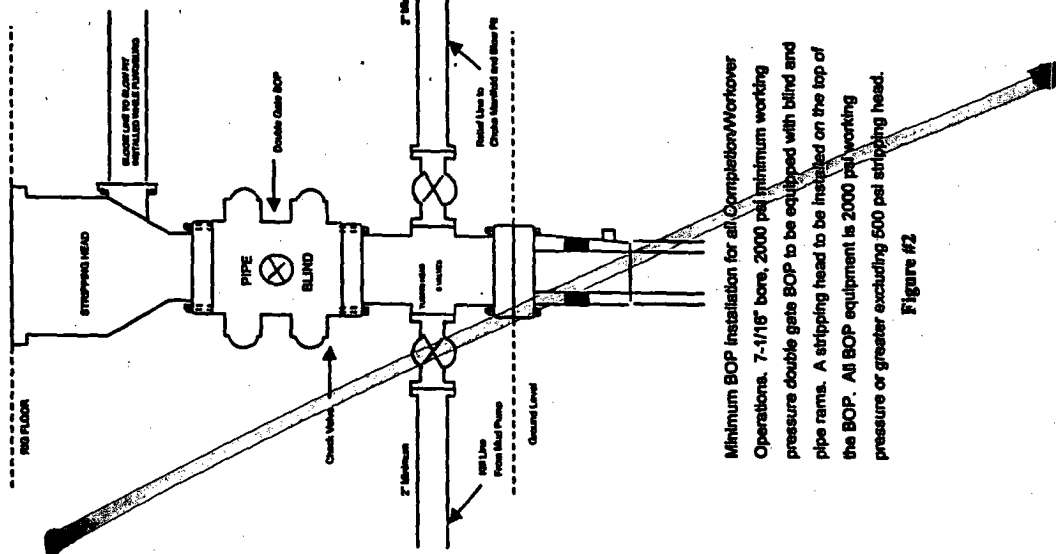
Drilling Engineer:



Date:

4-21-04

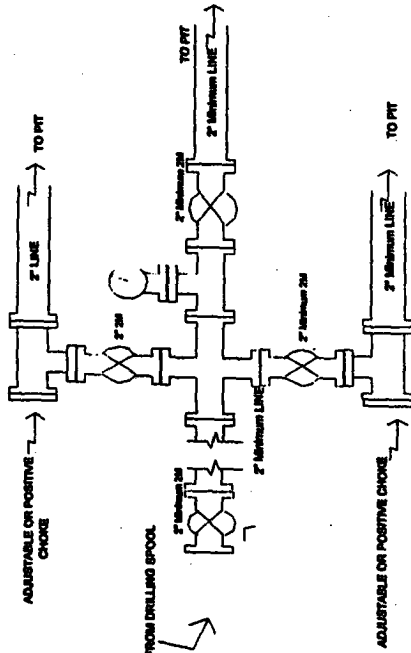
Completion/Workover Rig
BOP Configuration
2,000 psi System



Minimum BOP installation for all Completion/Workover Operations. 7-1/16" bore, 2000 psi minimum working pressure double gate BOP to be equipped with blind and pipe rams. A stripping head to be installed on the top of the BOP. All BOP equipment is 2000 psi working pressure or greater excluding 500 psi stripping head.

Figure #2

Drilling Rig
Choke Manifold Configuration
2000 psi System

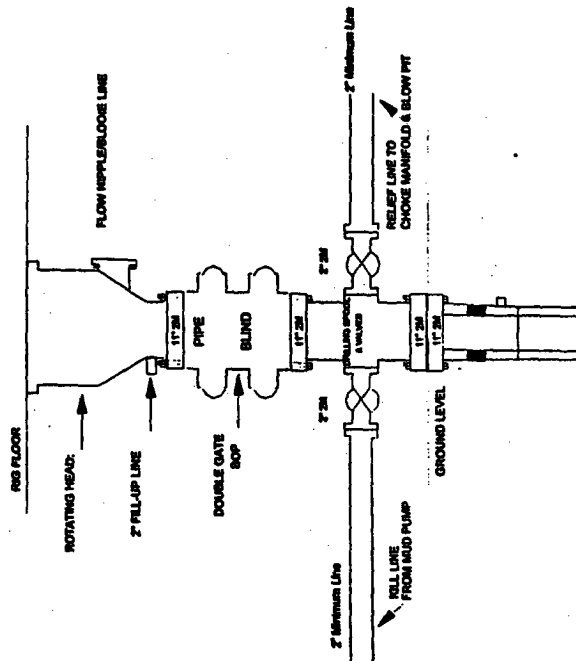


Choke manifold installation from Surface Casing Point to Total Depth. 2,000psi working pressure equipment with two chokes.

Figure #3

4-20-01

Drilling Rig
2000 psi System



BOP installation from Surface Casing Point to Total Depth. 11" Bore 10" Nominal. 2000 psi working pressure double gate BOP to be equipped with blind rams and pipe rams. A 500 psi rotating head on top of ram preventers. All BOP equipment is 2,000 psi working pressure

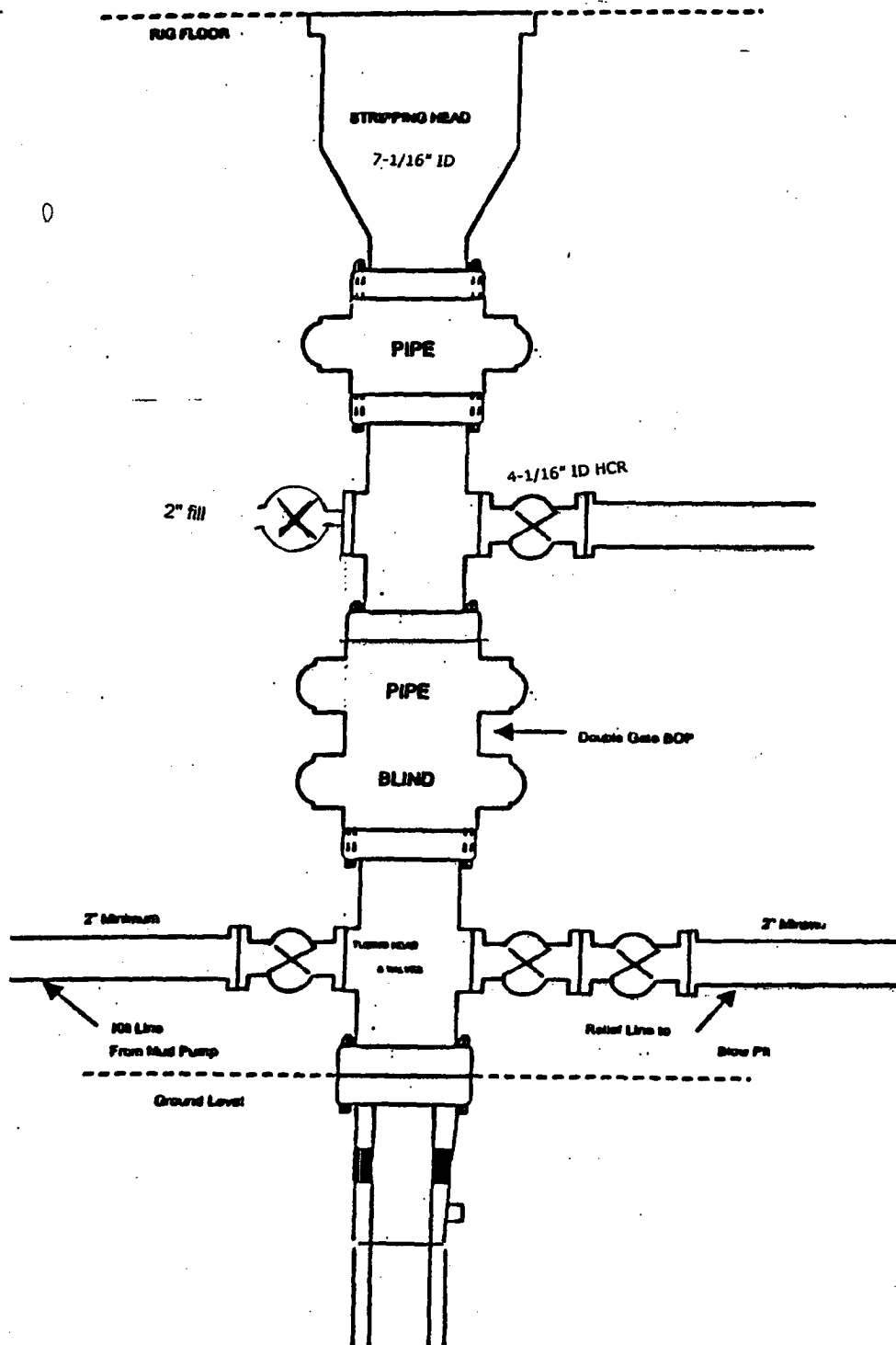
Figure #1

4-20-01

BURLINGTON RESOURCES

FIGURE #4

Cavitation Rig
BOP Configuration
2,000 psi Minimum System



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

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-039-
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. NMSF-080714A

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH
PROPOSALS.)

1. Type of Well:
Oil Well ☐ Gas Well ☒ Other

7. Lease Name or Unit Agreement Name
San Juan 30-6 Unit

8. Well Number #431S

2. Name of Operator
Burlington Resources Oil & Gas Company LP

9. OGRID Number 14538

3. Address of Operator
3401 E. 30th Street, Farmington, NM 87402

10. Pool name or Wildcat
Basin Fruitland Coal

4. Well Location

Unit Letter F : 1725 feet from the North line and 1370 feet from the West line

Section 10 Township 30N Range 6W NMPM Rio Arriba County, NM

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

Pit or Below-grade Tank Application (For pit or below-grade tank closures, a form C-144 must be attached)

Pit Location: UL Sect Twp Rng Pit type Depth to Groundwater > 100' Distance from nearest fresh water well
> 1000' Distance from nearest surface water > 1000' Below-grade Tank Location UL Sect Twp Rng ;
feet from the line and feet from the line

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER: New Drill Pit ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Burlington Resources proposes to construct a new drill pit. The new drill pit will be an unlined pit as detailed in Burlington's general pit construction plan dated April 26, 2004 on file at the NMOCD office.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Nancy Oltmanns TITLE Regulatory Specialist DATE 4/28/04

Type or print name Nancy Oltmanns E-mail address: noltmanns@br-inc.com Telephone No. 326-9700

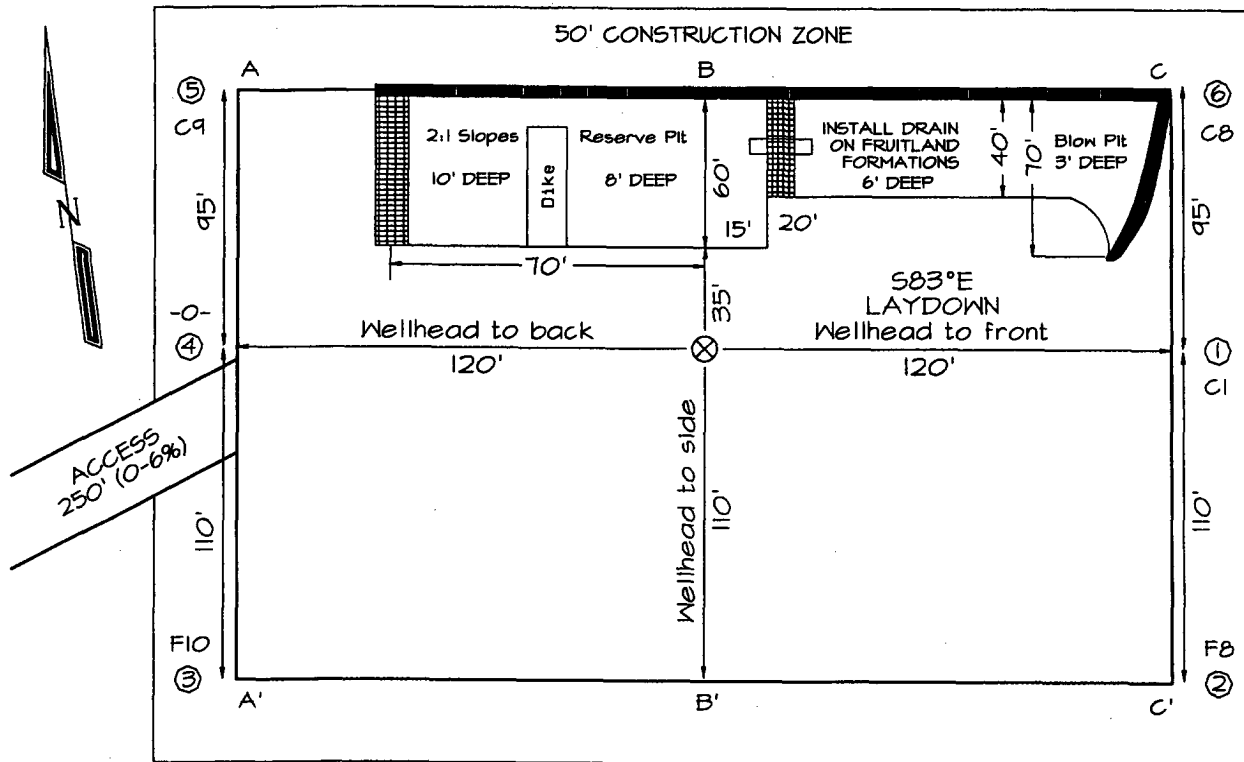
(This space for State use)

APPROVED BY [Signature] TITLE DATE

Conditions of approval, if any:

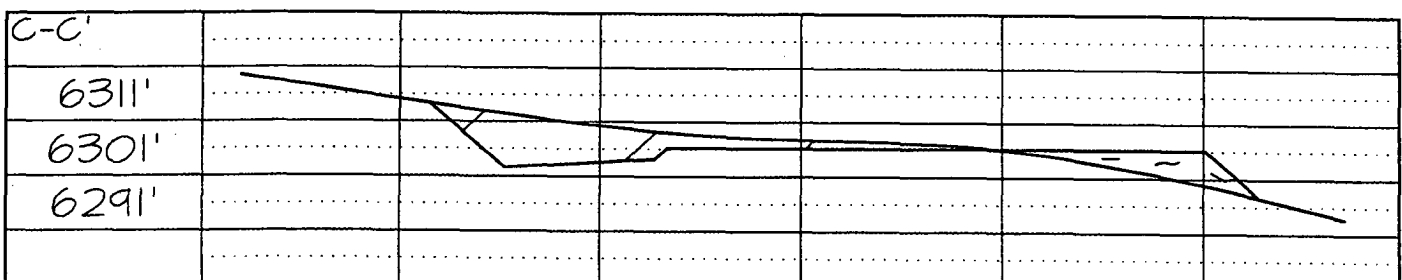
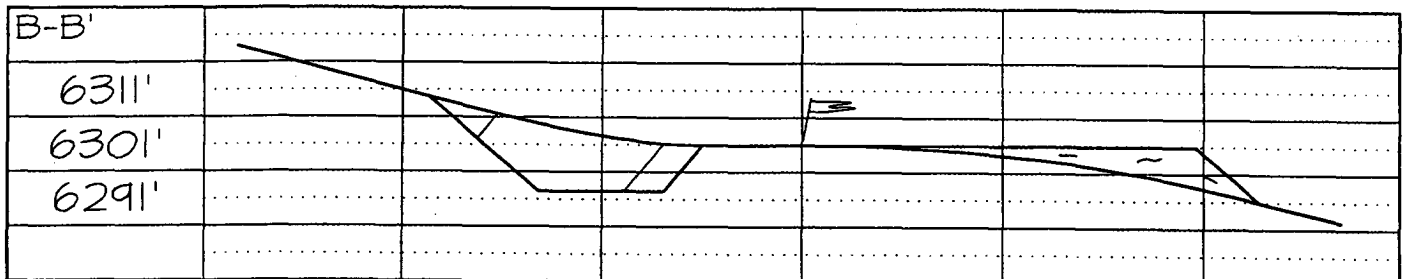
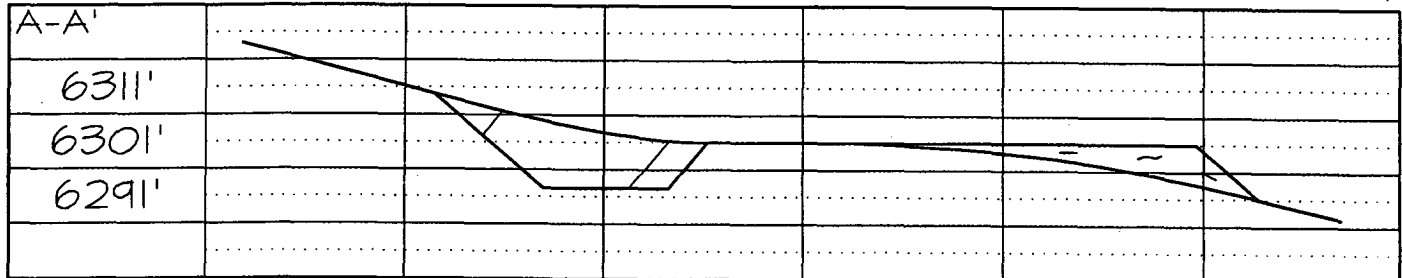
BUNKER HILL RESOURCES OIL & GAS COMPANY SAN JUAN COUNTY, NM
 1725' FNL & 1370' FWL, SECTION 10, T30N, R6W, NMPM, RIO ARriba COUNTY, NM
 GROUND ELEVATION: 6301' DATE: AUGUST 11, 2003

SIZE OF WELLPAD 205' X 240' 305' X 340' = 2.38 ACRES



LATITUDE: 36°49'47"
 LONGITUDE: 107°27'14"
 DATUM: NAD1927

Reserve Pit Dike: to be 8' above Deep side (overflow - 3' wide and 1' above shallow side).
 Blow Pit: overflow pipe halfway between top and bottom and to extend over plastic liner and into blow pit.



Note: Contractor should call One-Call for location of any marked or unmarked buried pipelines or cables on well pad and/or access road at least two (2) working days prior to construction

BURLINGTON RESOURCES

SAN JUAN DIVISION

Released June 18th, 2004

November 13, 2003

(Certified Mail – Return Receipt Requested)

Re: San Juan 30-6 Unit 431S
Basin Fruitland Coal
1725'FNL, 1370'FWL Section 10, T-30-N, R-6-W
San Juan County, New Mexico

To the Affected Persons:

Burlington Resources Oil & Gas Company LP is submitting the enclosed Application for Permit to Drill to the appropriate regulatory agency(s) for approval. This well is located inside the High Productivity Area of the Basin-Fruitland Coal Pool as indicated on the attached plat. Notice is being made pursuant to New Mexico Oil Conservation Commission Order R-8768-F dated July 17, 2003.

The affected parties have twenty (20) days from receipt of this notice in which to file with the District Office of the New Mexico Oil Conservation Division written objection to the proposed Application for Permit to Drill.

Sincerely,

Frances Bond

Frances Bond
Regulatory Assistant



Legend



FRUITLAND COAL

Current Operator in T30N-R6W

Current Operator



Unknown



BURLINGTON RESOURCES O&G CO LP



BURLINGTON RESOURCES OIL & GAS COMPANY



EL PASO NATURAL GAS COMPANY



MERIDIAN OIL INCORPORATED



CONOCOPHILLIPS COMPANY

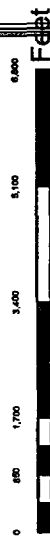


PHILLIPS PETROLEUM COMPANY



NORTHWEST PIPELINE CORPORATION

BURLINGTON
RESOURCES



1:71,167,736 - 1" equals 5,930,645'

GCS North American 1927

BURLINGTON RESOURCES

San Juan

San Juan 30-6 Unit #431S

T30N-R6W

Section 10

Prepared By: hmc

Date: 9/19/2003

File Number: 9/19/2003

File Name: C:\data\hmc\Projects\Infill 30 6 7\Infill 30 6 7.mxd

31N6W



2083801

3



678901

SJU 30-6 #431S

10



814301



312401

30N6W



3801

15



67C



376201



8200401



380701

X



489201



301



84004601



4120000001

16



113401



9801

2. Article Number



7110 6605 9590 0007 4985

1. Article Addressed to:

ConocoPhillips Company
Chief Landman San Jaun/Rockies
PO Box 2197
PO Box 2197
Houston, TX 77252-2197

10/28/2003 4:01 PM

Code: FTC HPA Infill

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *[Signature]*

☐ Agent

☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

NOV 18 2003

D. Is delivery address different from item 1? ☐ Yes

If YES enter delivery address below: ☐ No

3. Service Type



Certified

4. Restricted Delivery? (Extra Fee)

☐ Yes

SJ 30-6 Unit 4315