

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

2004 FEB 17 PM 1:29

1a. Type of Work
DRILL

5. Lease Number
NMSF-080713
Unit Reporting Number
080 Farmington, NM

1b. Type of Well
GAS

6. If Indian, All. or Tribe

2. Operator
BURLINGTON
RESOURCES OIL & GAS COMPANY LP

7. Unit Agreement Name
San Juan 30-6 Unit

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

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

9. Well Number
434S

4. Location of Well
1445' FNL, 1230' FWL
Latitude 36° 49.49, Longitude 107° 25.06

10. Field, Pool, Wildcat
Basin Fruitland Coal

11. Sec. Twn, Rge, Mer. (NMPM)
E Sec. 12, T-30-N, R-6-W
API # 30-039-27619

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

12. County
Rio Arriba

13. State
NM

15. Distance from Proposed Location to Nearest Property or Lease Line
1230'

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
650'

19. Proposed Depth
3339'

20. Rotary or Cable Tools
Rotary

21. Elevations (DF, FT, GR, Etc.)
6330' GR

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program
See Operations Plan attached

24. Authorized by: Nancy Oltsmanns
Senior Staff Specialist

Date 2-10-04

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY DM TITLE _____ DATE 4-16-04

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.

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

See Attached Conditions of approval

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 I
PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Revised February 21, 1994

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

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

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

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | |
|-----------------------------|--|---------------------|------------------------------------|
| *API Number 30-039-27619 | | *Pool Code 71629 | *Pool Name Basin Fruitland Coal |
| *Property Code 7469 | *Property Name SAN JUAN 30-6 UNIT | | *Well Number 434S |
| *GRID No. 14538 | *Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP | | *Elevation 6330' |

¹⁰ Surface Location

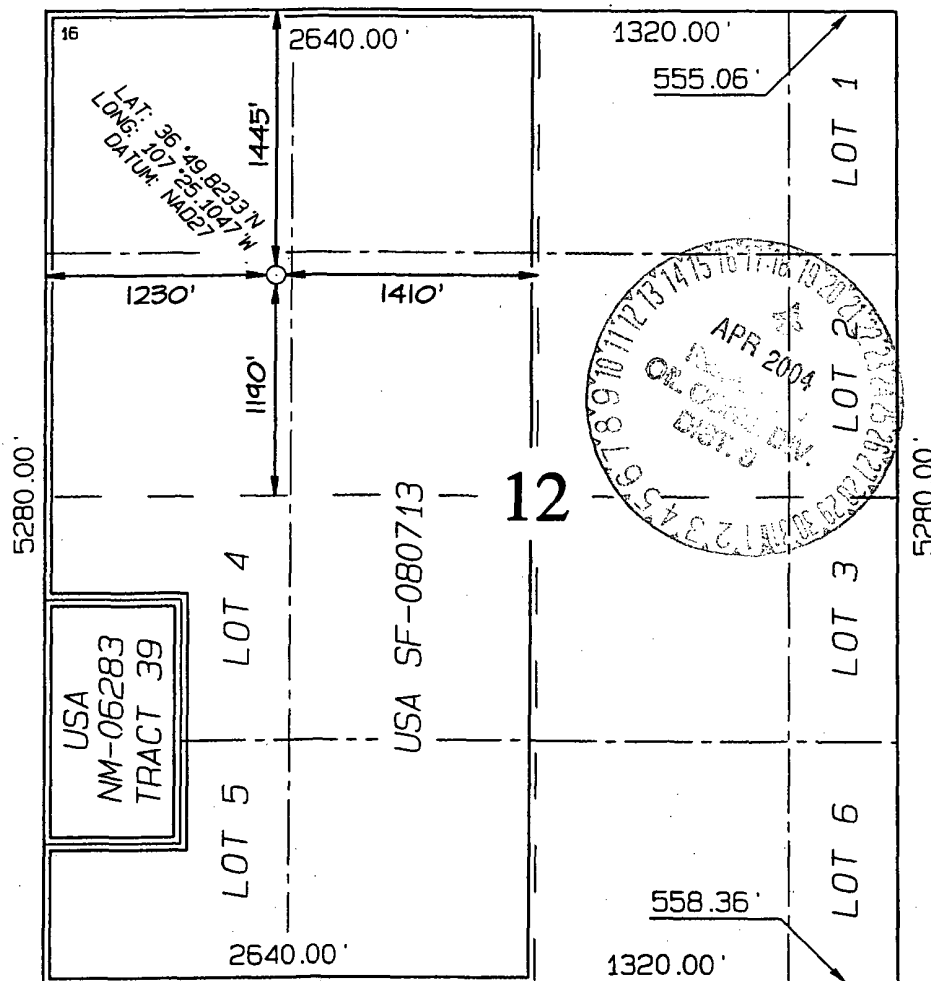
| | | | | | | | | | |
|--------------------|---------------|-----------------|-------------|---------|-----------------------|---------------------------|-----------------------|------------------------|----------------------|
| U. or lot no. E | Section 12 | Township 30N | Range 6W | Lot Idn | Feet from the 1445 | North/South line NORTH | Feet from the 1230 | East/West line WEST | County RIO ARriba |
|--------------------|---------------|-----------------|-------------|---------|-----------------------|---------------------------|-----------------------|------------------------|----------------------|

¹¹ Bottom Hole Location If Different From Surface

| | | | | | | | | | |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| U. or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|

| | | | |
|--|-------------------------------|----------------------------------|-------------------------|
| ¹² Dedicated Acres FTC-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

Nancy Oltmanns
Signature

Nancy Oltmanns
Printed Name

Senior Staff Specialist
Title

10-14-03
Date

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 12, 2003

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

OPERATIONS PLAN

Well Name: San Juan 30-6 Unit #434S
Location: 1445' FNL, 1230' FWL, Section 12, T-30-N, R-6-W
Latitude 36° 49.49, Longitude 107° 25.06
Rio Arriba County, NM
Formation: Basin Fruitland Coal
Elevation: 6330' GR

| Formation: | Top | Bottom | Contents |
|----------------------------|--------------|--------|----------|
| Surface | San Jose | 2315' | |
| Ojo Alamo | 2315' | 2507' | aquifer |
| Kirtland | 2507' | 2809' | gas |
| Fruitland | 2809' | 2916' | gas |
| Intermediate casing | 2896' | | |
| Top of Coal | 2916' | 3254' | |
| Base of Coal | 3254' | | |
| Pictured Cliffs | 3257' | | |
| Total Depth | 3339' | | |

Logging Program:

Open hole - GR/RHOB from TD to 2896'
Mud log - TD to 2896'

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 |
| 120-2896' | Non-dispersed | 8.4-9.0 | 30-60 | no control |
| 2896-3339' | 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' - 2896' | 7" | 20.0# | J-55 |
| 6 1/4" | 2896' - 3339' | 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' - 2896' | 7" | 20.0# | J-55 |
| 6 1/4" | 2856' - 3339' | 5 1/2" | 15.5# | J-55 |

Tubing Program:

0' - 3339' 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 @ 2507'. 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/248 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 (653 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 BOP and casing to 600 psi/30 min.

Intermediate TD to Total Depth - 7 1/6" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to drilling out intermediate casing, test BOP and casing to 1500 psi for 30 minutes; all pipe rams and casing to 1500 psi for 30 minutes each.

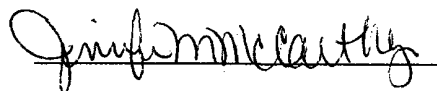
From surface to TD - choke manifold (Reference Figure #3).

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 500 psi.
- This gas is dedicated.
- The west half of Section 12 is dedicated to this well.

Drilling Engineer:



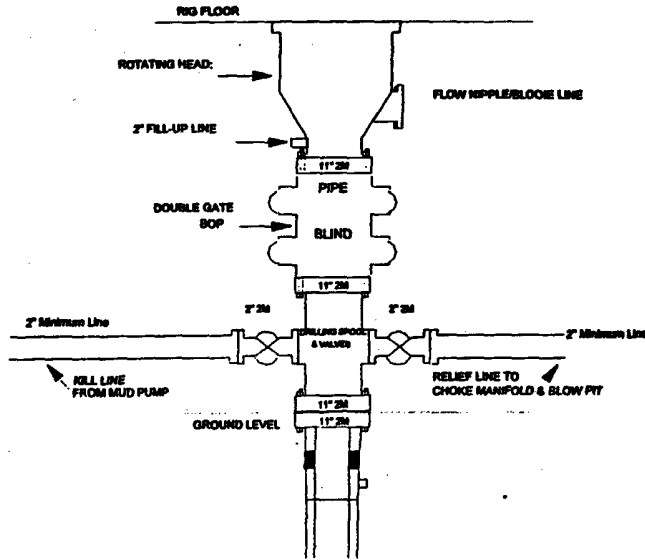
Date:



BURLINGTON RESOURCES

Burlington Resources

Drilling Rig 2000 psi System

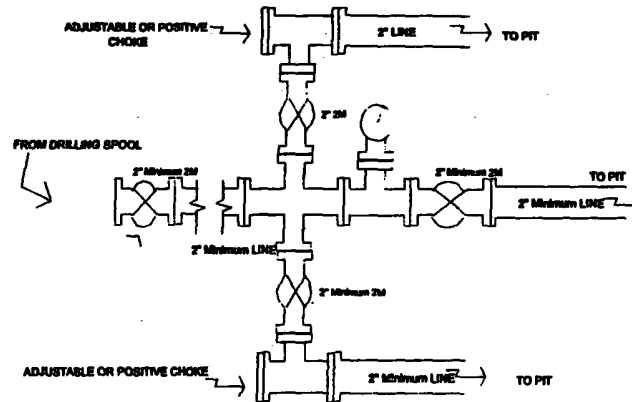


BOP Installation from Surface Casing Point to Total Depth. 11" Bore 10" Nominal, 2000 psi working pressure double gate BOP to be equipped with blind rams and pipe rams. A 500 psi rotating head on top of ram preventers. All BOP equipment is 2,000 psi working pressure

Figure #1

4-20-01

Drilling Rig Choke Manifold Configuration 2000 psi System

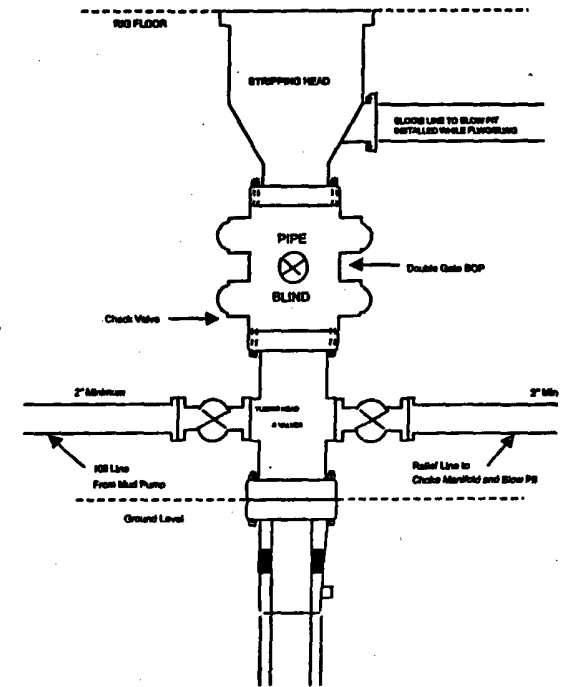


Choke manifold installation from Surface Casing Point to Total Depth. 2,000psi working pressure equipment with two chokes.

Figure #3

BURLINGTON RESOURCES

Completion/Workover Rig BOP Configuration 2,000 psi System

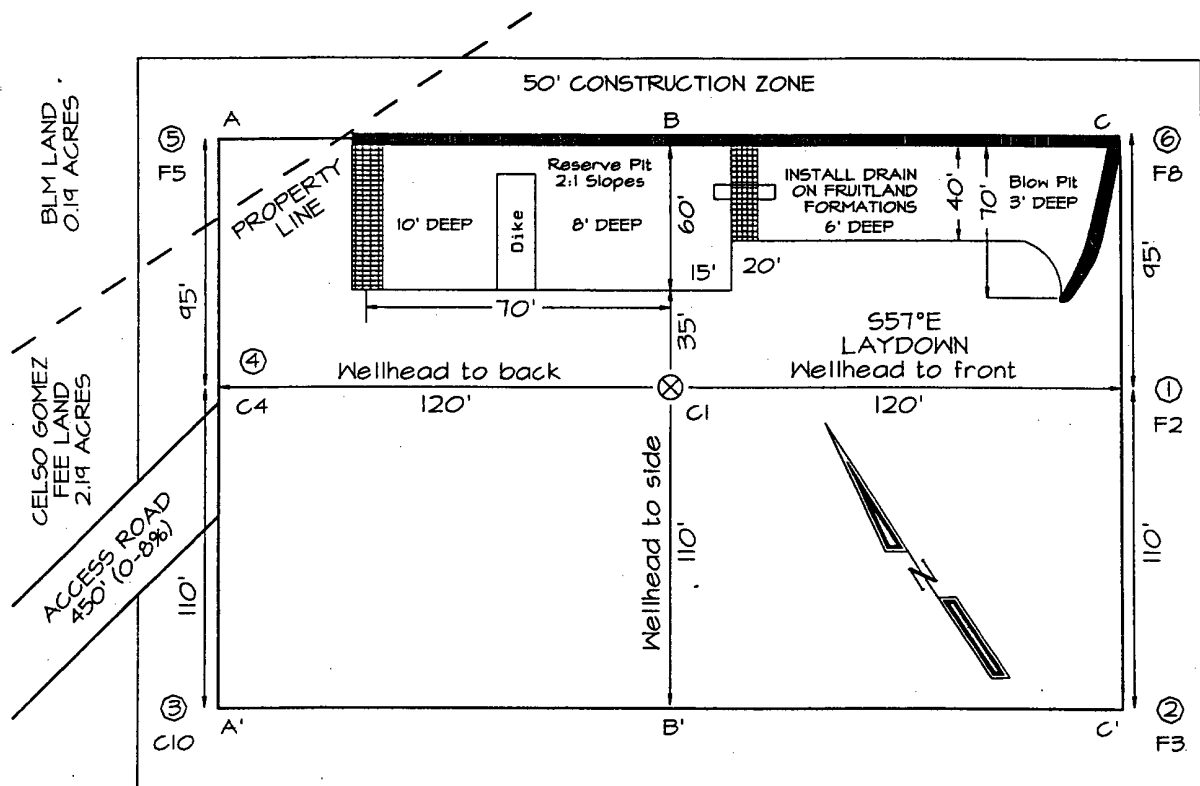


Minimum BOP Installation for all Completion/Workover Operations. 7-1/16" bore, 2000 psi minimum working pressure double gate BOP to be equipped with blind and pipe rams. A stripping head to be installed on the top of the BOP. All BOP equipment is 2000 psi working pressure or greater excluding 500 psi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

Figure #2

4-20-01

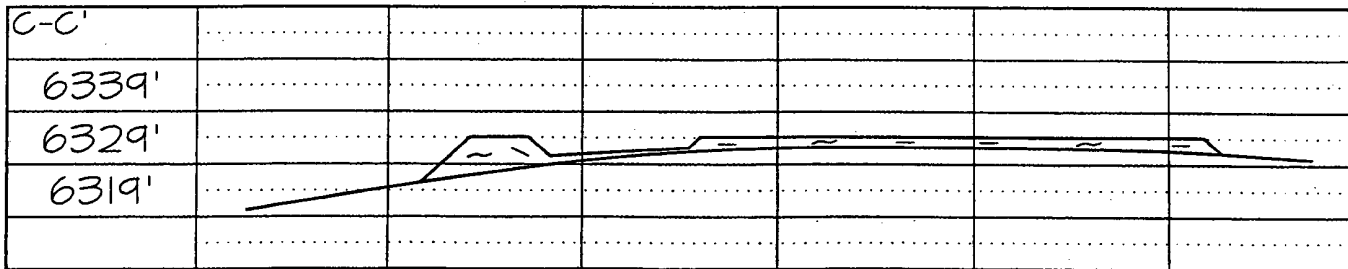
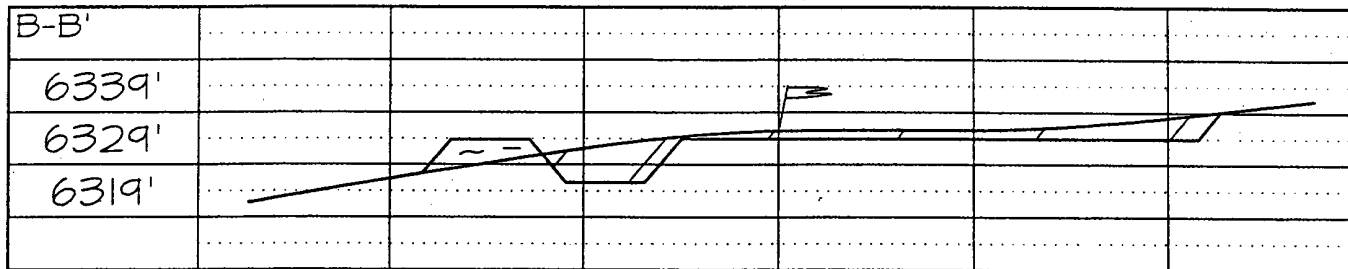
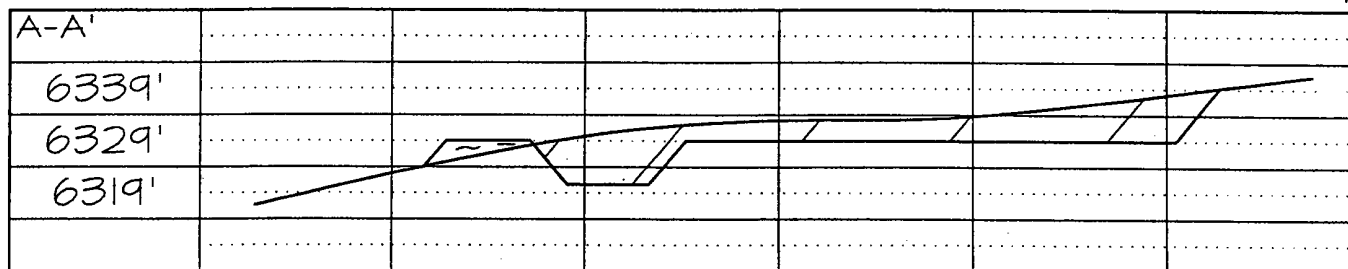
**BURLINGTON RESOURCES OIL & GAS COMPANY SAN JUAN 30-6 UNIT #434S
1445' FNL, & 1230' FWL, SECTION 12, T30N, R6W, NMPM, RIO ARRIBA COUNTY, NM
GROUND ELEVATION: 6330' DATE: AUGUST 12, 2003**



LATITUDE: 36°49'49"
LONGITUDE: 107°25'06"

205' X 240' . 305' X 340' = 2.38 ACRES

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 April 29, 2004

November 13, 2003

(Certified Mail – Return Receipt Requested)

Re: San Juan 30-6 Unit 434S
Basin Fruitland Coal
1445'FNL, 1230'FWL Section 12, 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.

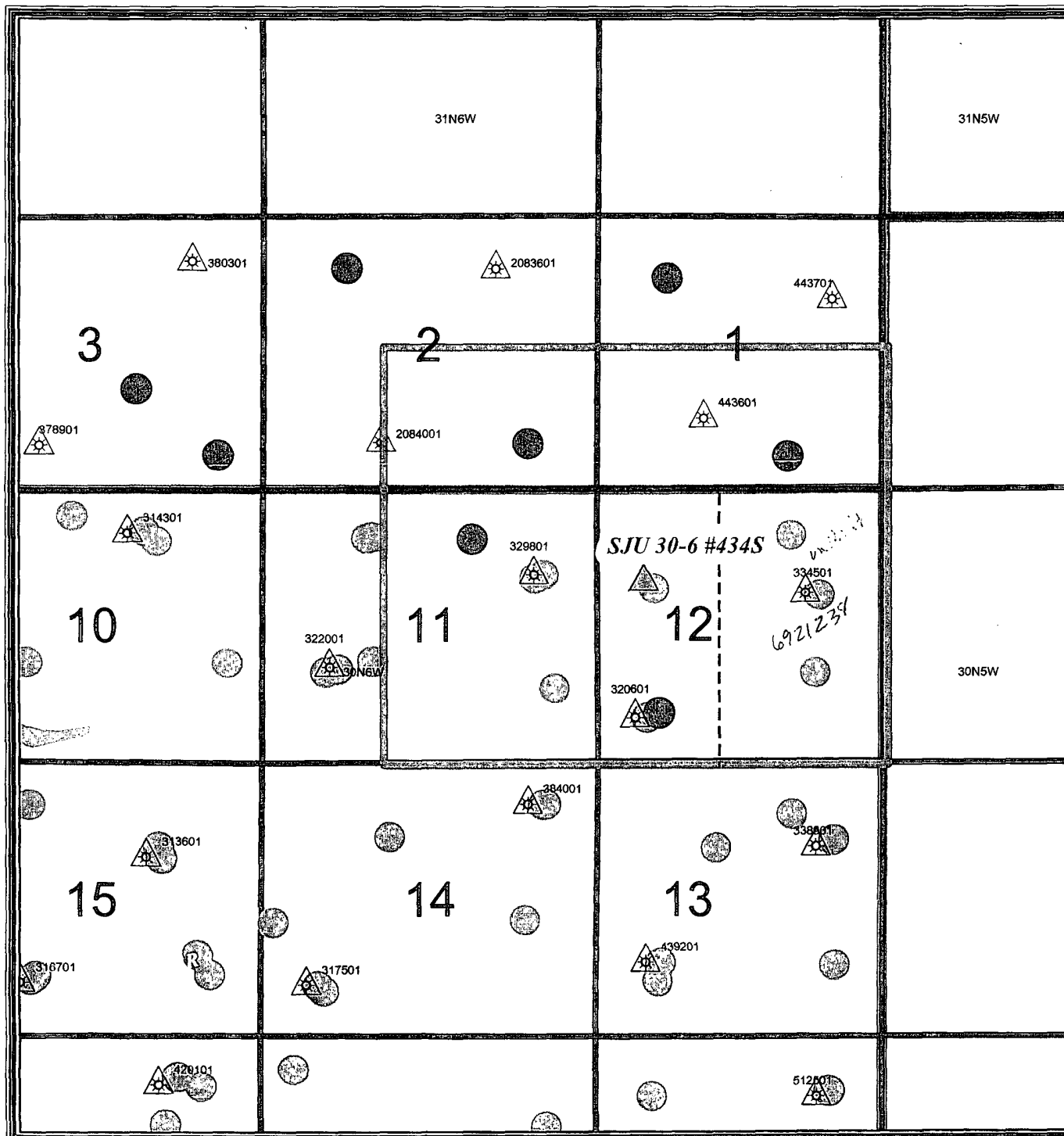
The affected parties have twenty (20) days from receipt of this notice in which to file with the District Office of the New Mexico Oil Conservation Division written objection to the proposed Application for Permit to Drill.

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**



PLAT



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

GCS North American 1927

BURLINGTON RESOURCES

San Juan

San Juan 30-6 Unit #434S


T30N-R6W

Section 12

Prepared By: hmc Date: 9/19/2003

File Number: Revised Date: 9/19/2003

File Name: r:\plat\hmc\Projects\Infill 30 6 7\Infill 30 6 7.mxd

| | | | |
|---|--|---|--|
| 2. Article Number | | COMPLETE THIS SECTION ON DELIVERY | |
|  7110 6605 9590 0007 4992 | | A. Signature <input checked="" type="checkbox"/> <i>[Signature]</i> | <input type="checkbox"/> Agent <input type="checkbox"/> Addressee |
| 1. Article Addressed to: ConocoPhillips Company Chief Landman San Jaun/Rockies PO Box 2197 PO Box 2197 Houston, TX 77252-2197 | | B. Received by (Printed Name) | C. Date of Delivery 10/28/03 |
| 10/28/2003 4:02 PM | | D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES enter delivery address below: <input type="checkbox"/> No | |
| Code: FTC HPA Infill | | 3. Service Type | <input checked="" type="checkbox"/> Certified |
| | | 4. Restricted Delivery? (Extra Fee) | <input type="checkbox"/> Yes |
| SJ 30-6 Unit 4345 | | | |

PS Form 3811

Domestic Return Receipt