

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-079050C
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
San Juan 28-6 Unit

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

8. Farm or Lease Name
San Juan 28-6 Unit
9. Well Number
418S

4. Location of Well
1065' FNL, 1830' FWL
Latitude 36° 38.2, Longitude 107° 28.5

10. Field, Pool, Wildcat 5. Blanco P.C. #
Basin Fruitland Coal
11. Sec., Twn, Rge, Mer. (NMPM)
C Sec. 28, T-28-N, R-6-W
API # 30-039-26757

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

12. County
Rio Arriba
13. State
NM

15. Distance from Proposed Location to Nearest Property or Lease Line
1065'

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
80'

19. Proposed Depth
~~3209'~~ 3417'
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.)
6368' GR -

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program
See Operations Plan attached

24. Authorized by: [Signature]
Regulatory/Compliance Supervisor

Date

PERMIT NO.

APPROVAL DATE

APPROVED BY

/s/ Joel Farrell

TITLE

DATE

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.

11/10/00

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

DISTRICT II
611 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

Form C-102
Revised August 15, 2000

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

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|-----------------------------|--|--|
| *API Number 30-039-26757 | *Pool Code 71629/72439 | *Pool Name Basin Fruitland Coal/South Blanco Pict. Cliffs |
| *Property Code 7462 | *Property Name SAN JUAN 28-6 UNIT | *Well Number 418S |
| *OGRID No. 14538 | *Operator Name BURLINGTON RESOURCES OIL & GAS, INC. | *Elevation 6368' |

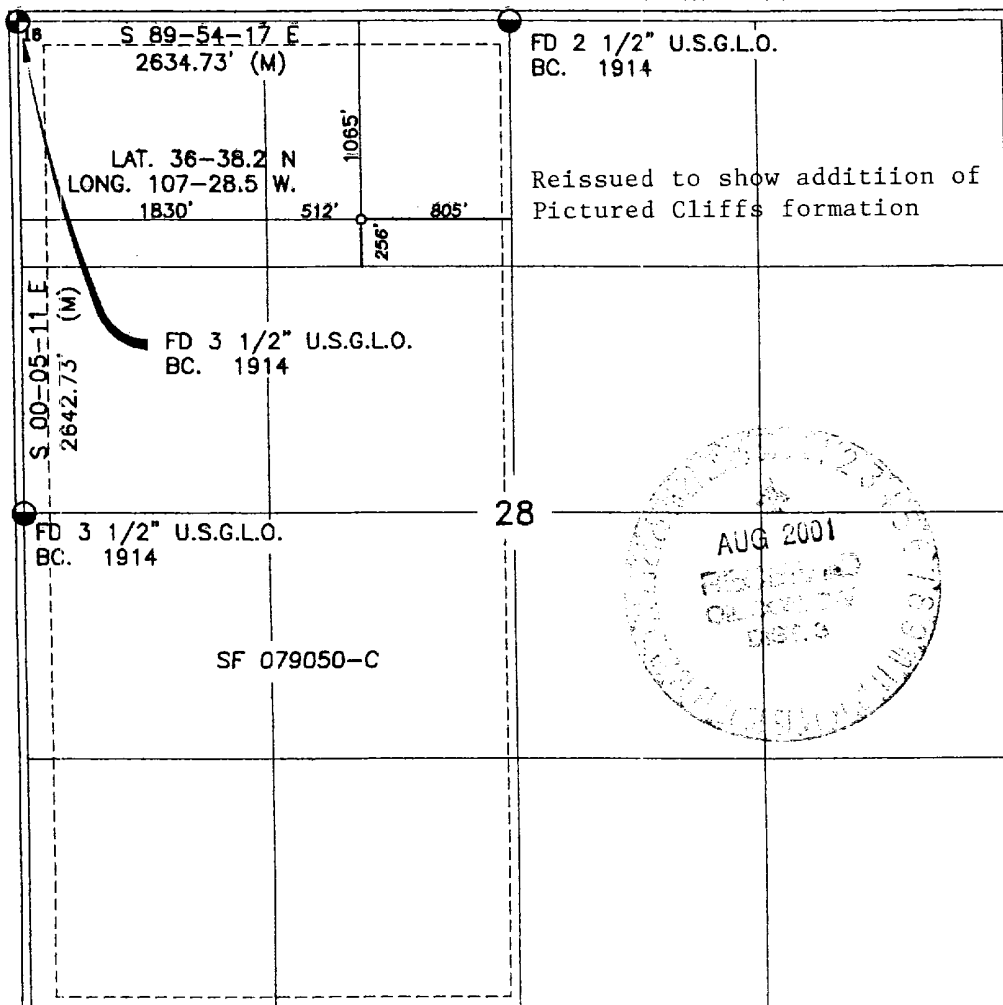
¹⁰ Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|------------|
| C | 28 | 28-N | 6-W | | 1065 | NORTH | 1830 | 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 |
|---|---------|----------|------------------|---------|---------------------|------------------|-----------------------|----------------|--------|
| | | | | | | | | | |
| *Dedicated Acres FTC-W/320 PC = 160 | | | *Joint or Infill | | *Consolidation Code | | *Order No. R-11639 | | |

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.

Peggy Cole
Signature

Peggy Cole
Printed Name

Regulatory Supervisor
Title

5-29-01
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 knowledge.

[Signature]
Date of Survey
Signature and Seal of Professional Surveyor:

8894
Certificate Number

BURLINGTON RESOURCES OIL & GAS, INC.

SAN JUAN 28-6 UNIT No. 418S

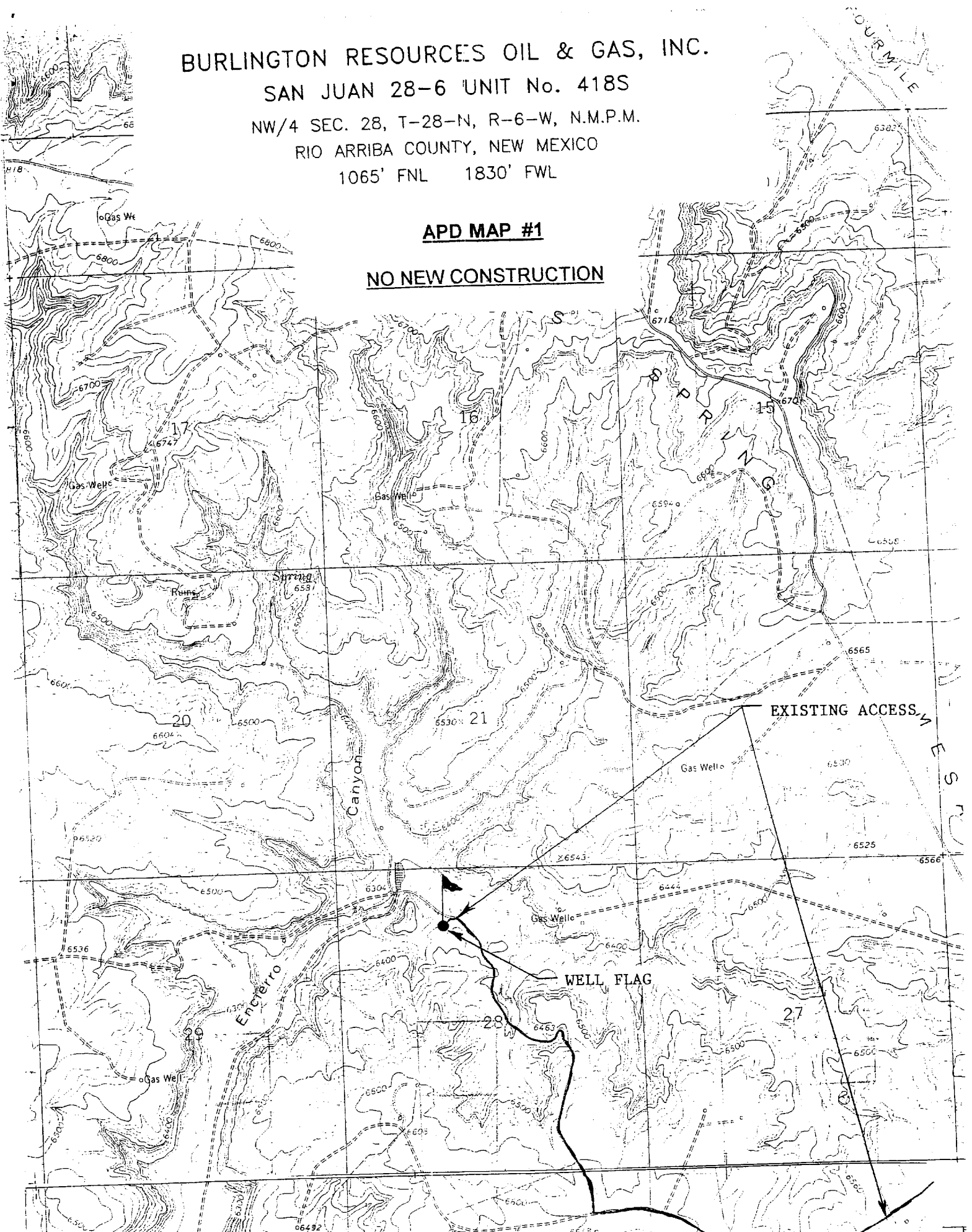
NW/4 SEC. 28, T-28-N, R-6-W, N.M.P.M.

RIO ARRIBA COUNTY, NEW MEXICO

1065' FNL 1830' FWL

APD MAP #1

NO NEW CONSTRUCTION



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

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

1065' FNL, 1830' FWL, Sec. 28, T-28-N, R-6-W, NMPM

5. Lease Number
SF-079050C

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

San Juan 28-6 Unit

8. Well Name & Number

San Juan 28-6 U #418S

9. API Well No.

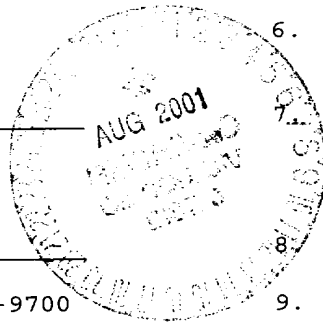
30-039-

10. Field and Pool

Basin Fruitland Coal/
So Blanco Pict Cliffs

11. County and State

Rio Arriba Co, NM



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

Type of Submission

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

Type of Action

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other -

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to change the casing and cement for the subject well according to the attached operations plan.

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

Signed [Signature] Title Regulatory Supervisor Date 8/10/01
no

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date AUG 28

CONDITION OF APPROVAL, if any:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well
GAS

2. Name of Operator

**BURLINGTON
RESOURCES**

OIL & GAS COMPANY

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San Juan 28-6 U #418S

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Rio Arriba Co, NM

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☐ Casing Repair

☐ Water Shut off

☐ Altering Casing

☐ Conversion to Injection

☒ Other -

13. Describe Proposed or Completed Operations

The subject well will be drilled and completed in the Pictured Cliffs formation as well as the Basin Fruitland Coal. Attached is a new C-102 plat and Operations Plan. After completion the well will be down hole commingled. A down hole commingle application will be submitted.



2001 AUG 1 11 4:02

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

Signed Regina Calk Title Regulatory Supervisor Date 5/23/01
no

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date 8/28/01

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

BUREAU OF LAND MANAGEMENT

OPERATIONS PLAN

Well Name: San Juan 28-6 Unit #418S
Location: 1065' FNL, 1830' FWL Section 28, T-28-N, R-6-W
Latitude 36° 38.2', Longitude 107° 28.5'
Rio Arriba County, NM
Formation: Basin Fruitland Coal
Elevation: 6368' GL

| Formation: | Top | Bottom | Contents |
|-----------------|----------|--------|----------|
| Surface | San Jose | 2402' | |
| Ojo Alamo | 2402' | 2477' | aquifer |
| Kirtland | 2477' | 2762' | gas |
| Fruitland | 2762' | 3167' | gas |
| Pictured Cliffs | 3167' | | gas |
| Total Depth | 3417' | | |

Logging Program: Triple Combo from TD to surface - DSL, ECS, MRIL from TD to Fruitland top.

Mudlog: Ojo Alamo to TD.

Coring Program: none

Mud Program:

| Interval | Type | Weight | Vis. | Fluid Loss |
|-----------|---------------|---------|-------|------------|
| 0- 200' | Spud | 8.4-9.0 | 40-50 | no control |
| 200-3417' | Non-dispersed | 8.4-9.5 | 30-60 | no control |

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

| Hole Size | Depth Interval | Csg. Size | Wt. | Grade |
|-----------|----------------|-----------|-------|-------|
| 12 1/4" | 0' - 200' | 8 5/8" | 24.0# | J-55 |
| 7 7/8" | 0' - 3417' | 4 1/2" | 10.5# | J-55 |

Tubing Program:

0' - 3417' 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 - guide shoe and self-fill float collar. Three centralizers run every other joint above shoe. Seven centralizers run every third joint to the base of the Ojo Alamo @ 2477'. Two turbo-lizing type centralizers - one below and one into the base of the Ojo Alamo @ 2477'. 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" 2000 psi xmas tree assembly.

Cementing:

8 5/8" surface casing - cement with 210 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (248 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/660 sacks Premium Lite cement with 3% calcium chloride, 0.25 pps Flocele, 5 pps LCM-1, 0.4% FL-52 and 0.4% SMS. Tail with 110 sacks Type III cement with 1% calcium chloride, 0.25 pps Flocele, 0.2% FL-52 (1557 cu.ft., 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#/30 min.

Completion - 7 1/6" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to completion operations, test blind rams 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.

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 Fruitland Coal formation will be completed.
- * Anticipated pore pressure for the Fruitland is 500 psi.
- * This gas is dedicated.
- * The west half of section 28 is dedicated to the Fruitland Coal.

Date: 8-10-01

Drilling Engineer: E. J. Giles