

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-078128 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 Turner Federal 9. Well Number 210S	
4. Location of Well 665' FNL, 980' FWL Latitude 36° 49.1'N, Longitude 107° 50.5'W	10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 13, T-30-N, R-10-W API # 30-045-36698	
14. Distance in Miles from Nearest Town 11 miles from int. of Hwy 550 & Hwy 173 in Aztec	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 665'		
16. Acres in Lease	17. Acres Assigned to Well 316.46 N/2	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1372'		
19. Proposed Depth 3285'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6588' GR	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <i>[Signature]</i> Regulatory/Compliance Supervisor	Date <i>8-30-01</i>	

PERMIT NO. _____ APPROVAL DATE *8/23/01*
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.

P.O. Box 1980, Hobbs, N.M. 88241-1980

STATE OF NEW MEXICO
Energy, Minerals & Natural Resources Department

Revised February 21, 1994

DISTRICT II
P.O. Drawer DD, Artesia, N.M. 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, N.M. 87410

OIL CONSERVATION DIVISION

P.O. 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

¹ API Number 30-045- 30698	² Pool Code 71629	³ Pool Name Basin Fruitland Coal
⁴ Property Code 7613	⁵ Property Name TURNER FEDERAL	⁶ Well Number 210 S
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS INC.	⁹ Elevation 6588

¹⁰ Surface Location

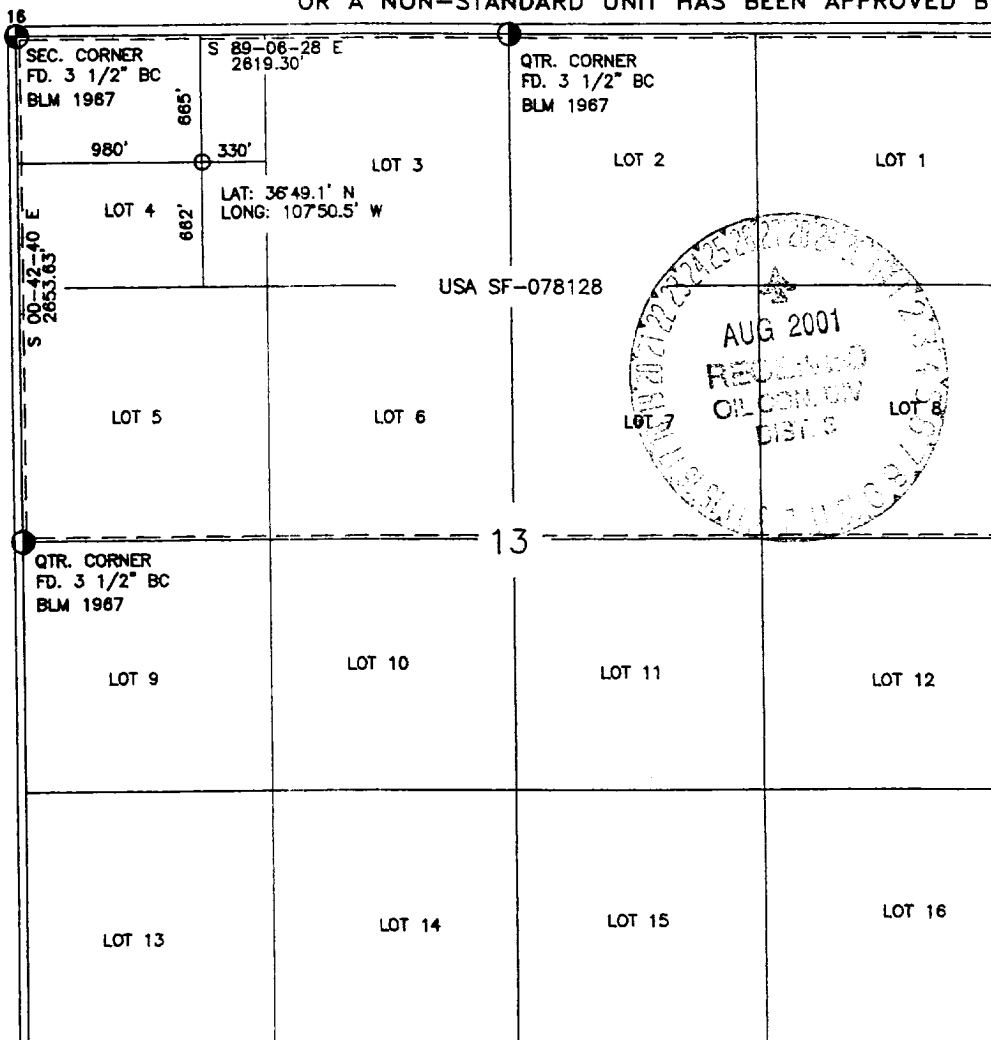
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	13	30-N	10-W		665	NORTH	980	WEST	SAN JUAN

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/316.46	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-11639
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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



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
4-30-01
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 belief

3-21-01
Date of Survey
Signature and Seal of Professional Surveyor
8894
Certificate Number

BURLINGTON RESOURCES OIL & GAS INC.

TURNER FEDERAL #210 S

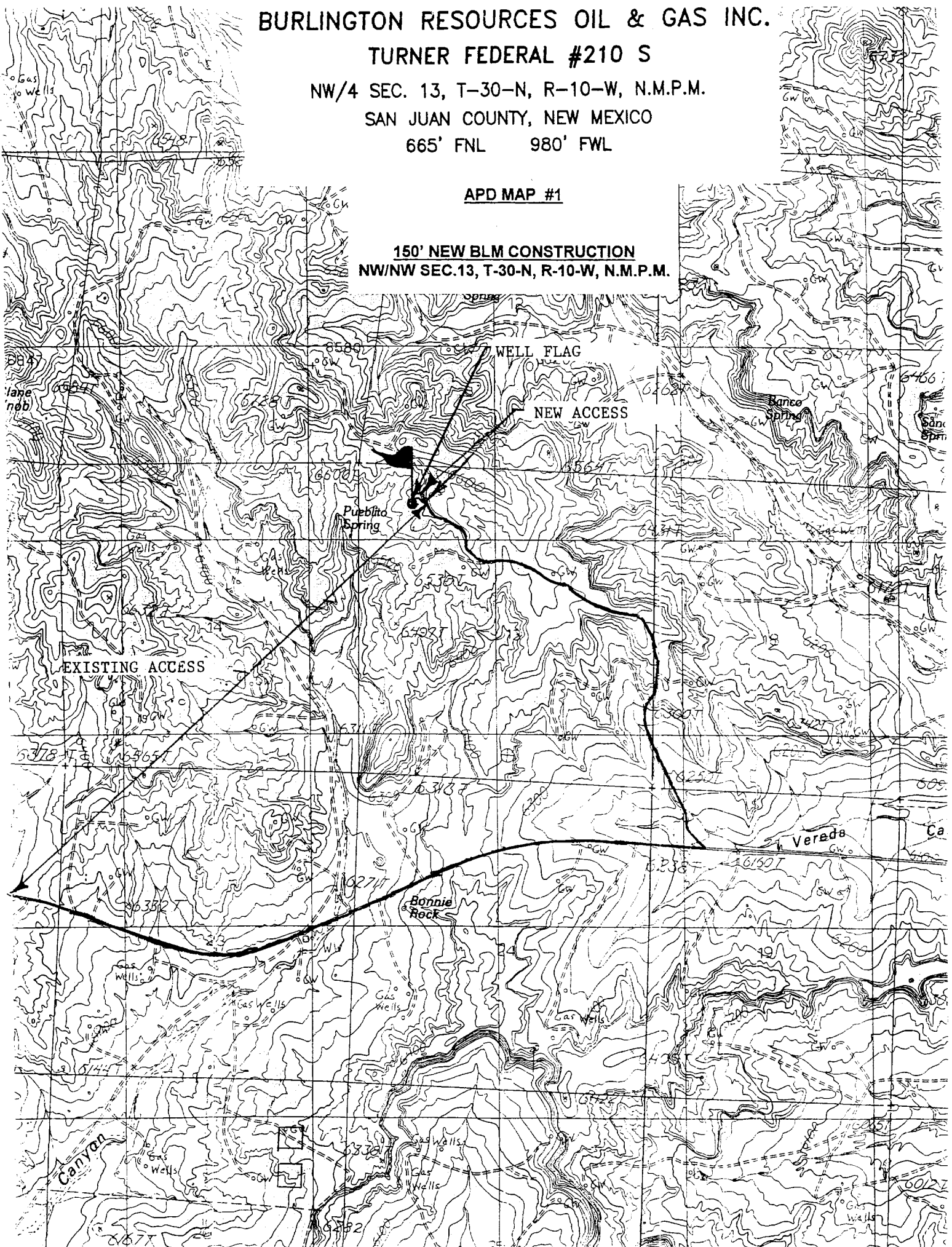
NW/4 SEC. 13, T-30-N, R-10-W, N.M.P.M.

SAN JUAN COUNTY, NEW MEXICO

665' FNL 980' FWL

APD MAP #1

150' NEW BLM CONSTRUCTION
NW/NW SEC.13, T-30-N, R-10-W, N.M.P.M.



submitted in lieu of Form 3160-5

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

665' FNL, 980' FWL, Sec.13, T-30-N, R-10-W, NMPM

5. Lease Number
SF-078128

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number

Turner Federal #210S

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

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

Type of Action

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other -

☒ Change of Plans

☐ New Construction

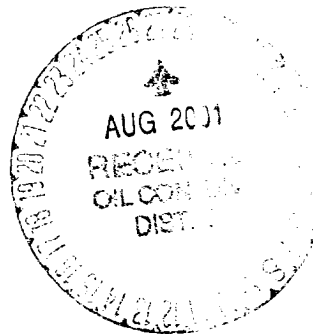
☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to alter the casing and cementing program of 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 8/13/01
TLW

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date 8/23/01

CONDITION OF APPROVAL, if any:

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

OPERATIONS PLAN

Well Name: Turner Federal #210S
Location: 665' FNL, 980' FWL Section 13, T-30-N, R-10-W
Latitude 36° 49.1' N, Longitude 107° 50.5' W
San Juan County, NM
Formation: Basin Fruitland Coal
Elevation: 6588' GL

Formation:	Top	Bottom	Contents
Surface	San Jose	2032'	
Ojo Alamo	2032'	2062'	aquifer
Kirtland	2062'	2892'	gas
Fruitland	2892'	3240'	gas
Pictured Cliffs	3240'	3490'	gas
Total Depth	3490'		

Logging Program: Platform Express from TD to surface, Dipole Sonic, ECS, MRIL
TD to Fruitland top.

Mudlog: 2 Man unit from 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
200-3490'	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' - 3490'	4 1/2"	10.5#	K-55

Tubing Program:

0' - 3490'	2 3/8"	4.7#	J-55
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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 @ 2062'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2062'. 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# floccle/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/675 sacks Premium Lite cmt with 3% calcium chloride, 0.25 pps floccelle, 5 pps LCM-1, 0.4% FL-52, and 0.4% SMS. Tail with 110 sacks Type III cmt with 1% calcium chloride, 1/4#/sack floccelle, and 0.2% FL-52 (1590 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.

Turner Federal #210S

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 (CTD) rig is utilized.):

Surface to TD: 7-1/6" 2000 psi (minimum) Torus annular BOP stack (Reference Figure #1b). Prior to drilling out surface casing, test annular BOP to 600psi/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).

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 north half of section 13 is dedicated to the Fruitland Coal.

Date: 8-10-01

Drilling Engineer:

E. J. Giles