

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-080776-A 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 87401 (505) 326-9700	8. Farm or Lease Name Florance A 9. Well Number #1B	
4. Location of Well 1950' FNL, 2300' FEL Latitude 36° 47.1, Longitude 107° 50.1	10. Field, Pool, Wildcat Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) G Sec. 25, T-30-N, R-10-W API # 30-045-30327	
14. Distance in Miles from Nearest Town 6 miles from Blanco	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1950'	17. Acres Assigned to Well 315.68 N/2	
16. Acres in Lease	18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 800'	
19. Proposed Depth 5290'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6047' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"	
24. Authorized by: <u><i>Regan Cole</i></u> Regulatory/Compliance Supervisor	Date <u>8-1-00</u>	

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY *MT*

TITLE _____

DATE 12-5-00

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.

NMOC

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

1950' FNL, 2300' FEL, Sec. 25, T-30-N, R-10-W, NMPM

5. Lease Number
SF-080776-A

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

Well Name & Number

Florance A #1B

API Well No.

30-045-30329

10. Field and Pool

Blanco Mesaverde

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 depths and cement of the subject well.

Revisions:

Mud Program:

Interval	Type	Weight	Fluid Loss
0-200'	Spud	8.4-9.0	No control
200-3057'	LSND	8.4-9.0	No control
3057-5290'	Air/Mist	n/a	n/a

Casing Program:

Hole Size	Depth Interval	Casing Size	Weight	Grade
12 1/4"	0-200'	9 5/8"	32.3#	H-40
8 3/4"	0-3057'	7"	20.0#	J-55
6 1/4"	2957-5290'	4 1/2"	10.5#	J-55

Cementing Program:

9 5/8" surface casing - 159 sx Class "B" cement with 0.25 pps Flocele and 3% calcium chloride (188 cu.ft. of slurry, 200% excess to circulate to surface).
7" intermediate casing - lead w/312 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele. Tail with 90 sx Class "G" 50/50 poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele (920 cu.ft. of slurry, 100% excess to circulate to surface).
7" intermediate casing alternative two stage: Stage collar at 2023'. First stage: cement w/243 sx 50/50 Class "G" poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite, 0.1% antifoam and 0.25 pps Flocele. Second stage: w/236 sx 50/50 Class "G"/Trinity Light with 2.5% sodium metasilicate, 2% calcium chloride, 10 pps Gilsonite, 0.5 pps Flocele (920 cu.ft. of slurry, 100% excess to circulate to surface).
4 1/2" production liner - cement with 233 sx Class "G" 50/50 poz w/4.5% gel, 0.25 pps Flocele, 5 pps Gilsonite, 0.25% fluid loss, 0.1% retardant (335 cu.ft., 50% excess to circulate liner).

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

Signed Deanna Cole Title Regulatory Supervisor Date 11/8/00
TLW

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

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.

NMOCD

District I
PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102

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

OIL CONSERVATION DIVISION

PO Box 2088
Santa Fe, NM 87504-2088

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045- 30329	² Pool Code 72319	³ Pool Name Blanco Mesaverde
⁴ Property Code 7022	⁵ Property Name FLORANCE A	⁶ Well Number 1B
⁷ OGAID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	⁹ Elevation 6047

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Ion	Feet from the	North/South line	Feet from the	East/West line	County
G	25	30N	10W		1950	NORTH	2300	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ion	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres N/315.68		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

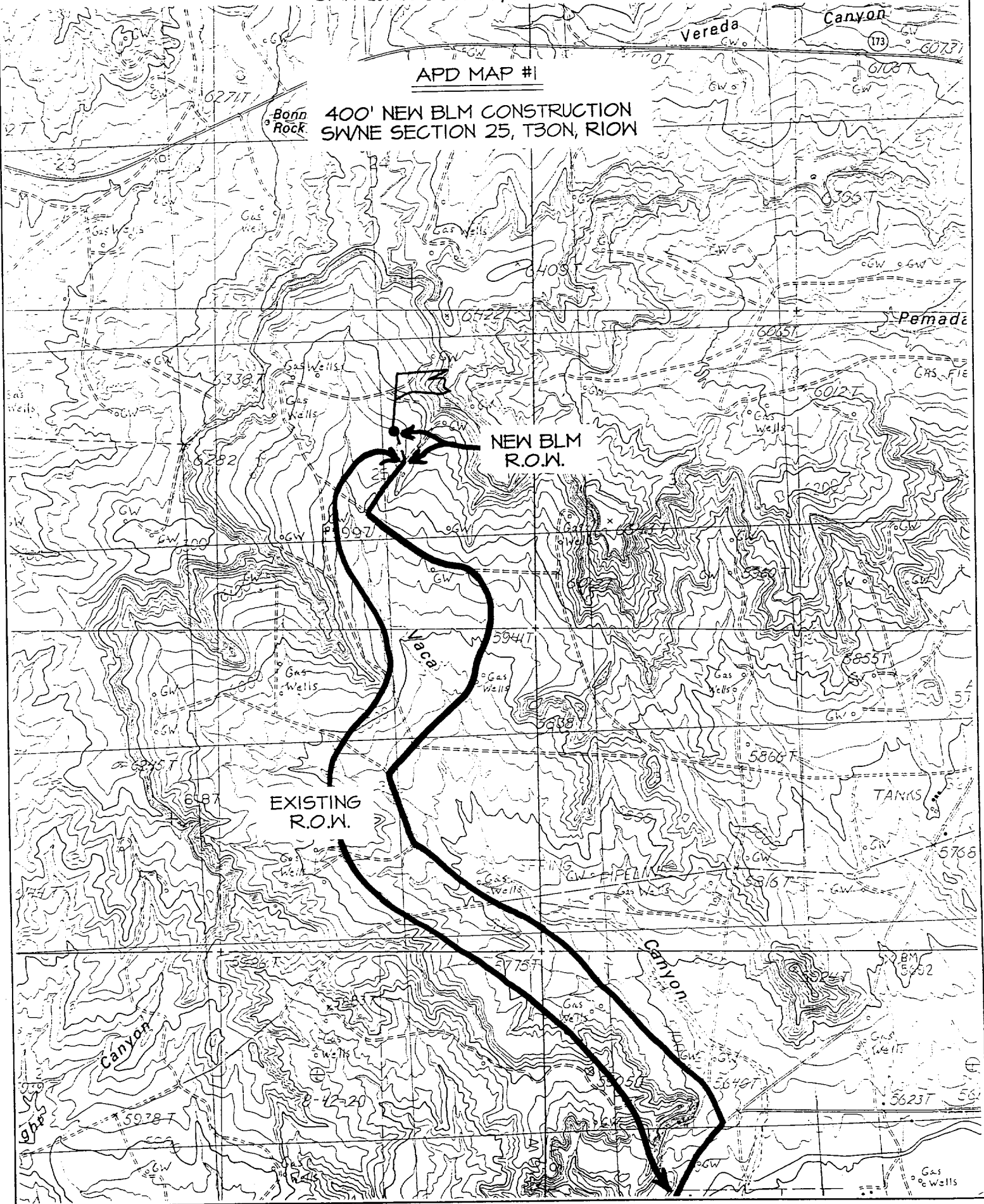
¹⁶ LOT 4 5235.12'		LOT 3 1950'		LOT 2		LOT 1		¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature <u>Peggy Cole</u> Printed Name <u>Peggy Cole</u> Regulatory Supervisor Title <u>8-1-00</u> Date
USA SF-080776-A LOT 5		LOT 6 LAT: 36°47.1'N LONG: 107°50.1'W		LOT 7		LOT 8 2300'		
5283.96'		25		660'		5220.60'		
LOT 13		LOT 14		LOT 15		LOT 9		
LOT 13		LOT 14		LOT 15		LOT 16		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. JUNE 5, 2000 Date of Survey Signature and Seal of <u>NEALE C. EDWARDS</u> 6857 Certificate Number <u>6857</u>

BURLINGTON RESOURCES OIL & GAS COMPANY FLORANCE A #1B

1950' FNL & 2300' FEL, SECTION 25, T30N, R10W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO

APD MAP #1

400' NEW BLM CONSTRUCTION
SWNE SECTION 25, T30N, R10W



OPERATIONS PLAN

Well Name: Florance A #1B
Surface Location: 1950' FNL, 2300' FEL, Section 25, T-30-N, R-10-W
San Juan County, New Mexico
Latitude 36° 47.1, Longitude 107° 50.1

Formation: Blanco Mesa Verde
Elevation: 6047' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	1339'	aquifer
Ojo Alamo	1339'	1510'	aquifer
Kirtland	1510'	2123'	gas
Fruitland	2123'	2641'	gas
Pictured Cliffs	2641'	2807'	gas
Lewis	2807'	3380'	gas
Intermediate TD	2907'		
Mesa Verde	3380'	3636'	gas
Chacra	3636'	4249'	gas
Massive Cliff House	4249'	4418'	gas
Menefee	4418'	4890'	gas
Point Lookout	4890'		gas
Total Depth	5290'		

Logging Program:

Cased hole logging - Gamma Ray, Cement bond from surface to TD
Open hole logging - Array Induction, Temp, Neutron-Density - TD to intermediate
Mud Logs/Coring/DST - none

Mud Program:

<u>Interval- MD</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 120'	Spud	8.4-9.0	40-50	no control
120- 2907'	LSND	8.4-9.0	30-60	no control
2907- 5290'	Air/Mist	n/a	n/a	n/a

Pit levels will be visually monitored to detect gain or loss of fluid control.

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

<u>Hole Size</u>	<u>Measured Depth</u>	<u>Csg Size</u>	<u>Weight</u>	<u>Grade</u>
12 1/4"	0' - 120'	9 5/8"	32.3#	H-40
8 3/4"	0' - 2807'	7"	20.0#	J-55
6 1/4"	2907' - 5290'	4 1/2"	10.5#	J-55

Tubing Program: 0' -5290' 2 3/8" 4.7# J-55

BOP Specifications, Wellhead and Tests:

Surface to Intermediate TD -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1).
After nipple-up prior to drilling out surface casing, rams and casing will be tested to 600 psi for 30 minutes.

BOP Specifications, Wellhead and Tests (cont'd):

Intermediate TD to Total Depth -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1).
After nipple-up prior to drilling out intermediate casing, rams
and casing will be tested to 1500 psi for 30 minutes.

Surface to Total Depth -

2" nominal, 2000 psi minimum choke manifold (Reference Figure #3).

Completion Operations -

7 1/16" 2000 psi double gate BOP stack (Reference Figure #2).
After nipple-up prior to completion, pipe rams, casing and liner
top will be tested to 2000 psi for 15 minutes.

Wellhead -

9 5/8" x 7" x 2 3/8" x 2000 psi tree assembly.

General -

- Pipe rams will be actuated once each day and blind rams will be actuated once each trip to test proper functioning.
- An upper kelly cock valve with handle available and drill string valves to fit each drill string will be available on the rig floors at all times.
- BOP pit level drill will be conducted weekly for each drill crew.
- All BOP tests & drills will be recorded in daily drilling reports.
- Blind and pipe rams will be equipped with extension hand wheels.

Cementing:

9 5/8" surface casing - cement with 96 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (113 cu.ft. of slurry, 200% excess to circulate to surface). WOC 8 hrs. Test casing to 600 psi for 30 minutes.

Saw tooth guide shoe on bottom. Bowspring centralizers will be run in accordance with Onshore Order #2.

7" intermediate casing -

Lead w/258 sx Class "B" w/3% sodium metasilicate, 5# gilsonite/sx and 0.5# flocele/sx. Tail w/90 sx 50/50 Class "B" Poz w/2% gel, 2% calcium chloride, 5# gilsonite/sx and 0.5# flocele/sx (875 cu.ft. of slurry, 100% excess to circulate to surface.) WOC minimum of 8 hours before drilling out intermediate casing. If cement does not circulate to surface, a CBL will be run to determine TOC. Test casing to 1500 psi for 30 minutes.

7" intermediate casing alternative two stage: Stage collar at 2023'. First stage: cement with 188 sx Class "B" cmt with 5 pps gilsonite, 1/2 pps cellophane, 3% sodium metasilicate. Second stage: 209 sx Class "B" with 3% sodium metasilicate, 1/2 pps Cellophane, 5 pps Gilsonite (875 cu.ft., 100% excess to circulate to surface).

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. Bowspring centralizers spaced every other joint off bottom, to the base of the Ojo Alamo at 1510'. Two turbolating centralizers at the base of the Ojo Alamo at 1510'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

4 1/2" Production Liner -

Cement to circulate liner top. Pump 253 sx 50/50 Class "B" Poz w/1/4# flocele/sx, 4% gel, 0.25% retardant, 5# gilsonite/sx and 0.3% fluid loss additive (357 cu.ft., 40% excess to circulate liner top). WOC a minimum of 18 hrs prior to completing.

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. The liner hanger will have a rubber packoff.

- If hole conditions permit, an adequate water spacer will be pumped ahead of each cement job to prevent cement/ mud contamination or cement hydration.

Special Drilling Operations (Air/Mist Drilling):

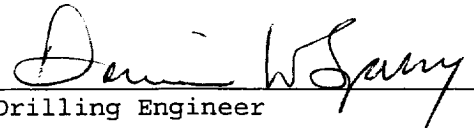
The following equipment will be operational while gas/mist drilling:

- An anchored blooie line will be utilized to discharge all cuttings and circulating medium to the blow pit a minimum of 100' from the wellhead.
- The blooie line will be equipped with an automatic igniter or pilot light.
- Compressors will be located a minimum of 100' from the wellhead in the opposite direction from the blooie line.
- Engines will have spark arresters or water cooled exhaust.
- The rotating head will be properly lubricated and maintained.
- A float valve will be utilized above the bit.
- Mud circulating equipment, water, and mud materials will be sufficient to maintain control of the well.

Additional Information:

- The Mesa Verde formation will be completed.
- No abnormal temperatures or hazards are anticipated.
- Anticipated pore pressures are as follows:

Fruitland Coal	800 psi
Pictured Cliffs	800 psi
Mesa Verde	700 psi
- Sufficient LCM will be added to the mud system to maintain well control, if lost circulation is encountered below the top of the Pictured Cliffs.
- The north half of Section 25 is dedicated to the Mesa Verde.
- This gas is dedicated.


Drilling Engineer

8/11/00
Date