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**
915' FSL, 1185' FEL, Sec. 23, T-30-N, R-11-W, NMPM

5. **Lease Number**
SF-080113

6. **If Indian, All. or Tribe Name**

7. **Unit Agreement Name**

8. **Well Name & Number**
Ross Federal #1M

9. **API Well No.**
30-045-

10. **Field and Pool**
Blanco MV/Basin DK

11. **County and State**
San Juan Co, NM

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

Type of Submission	Type of Action	
_X_ Notice of Intent	___ Abandonment	_X_ Change of Plans
	___ Recompletion	___ New Construction
___ Subsequent Report	___ Plugging Back	___ Non-Routine Fracturing
	___ Casing Repair	___ Water Shut off
___ Final Abandonment	___ Altering Casing	___ Conversion to Injection
	_X_ Other	

13. **Describe Proposed or Completed Operations**

The subject well, formerly the Hartman Com #5A, has been changed to the Ross Federal #1M, and now includes the Dakota formation. The attached plat reflects this revision. Below are applicable casing and cementing program changes:

Casing Program:

Hole Size	Depth Interval	Csg Size	Weight	Grade
12 ¼"	0' - 320'	8 5/8"	24.0#	K-55
7 7/8"	0' - 7100'	5 ½"	15.5#	K-55

Tubing Program: Dual completion

0' - 5190'	1 ½"	2.9#	J-55 EUE
0' - 7100'	1 ½"	2.9#	J-55 EUE

Cementing Program:
8 5/8" csg - no change
5 ½" csg - First stage: 801 sx Class "H" 50/50 Poz (1034 cu ft)
Second stage: 477 sx Class "B" neat cmt (1398 cu ft)

Additional Information:
New Total Depth: 7100'
Anticipated pore pressure for the Dakota formation: 2500 psi

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

Signed [signature] Title Regulatory Administrator Date 2/23/99

vkh

(This space for Federal or State Office use)
APPROVED BY /S/ Duane W. Spencer Title Team Lead, Petroleum Management Date APR
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.

(1)

strict I
Box 1980, Hobbs, NM 88241-1980

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

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

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

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-045- 29944	72319/71599	Blanco Mesaverde/Basin Dakota

4 Property Code	5 Property Name	6 Well Number
	ROSS FEDERAL	1M

7 OGRID No.	8 Operator Name	9 Elevation
14538	BURLINGTON RESOURCES OIL & GAS COMPANY	6047'

10 Surface Location

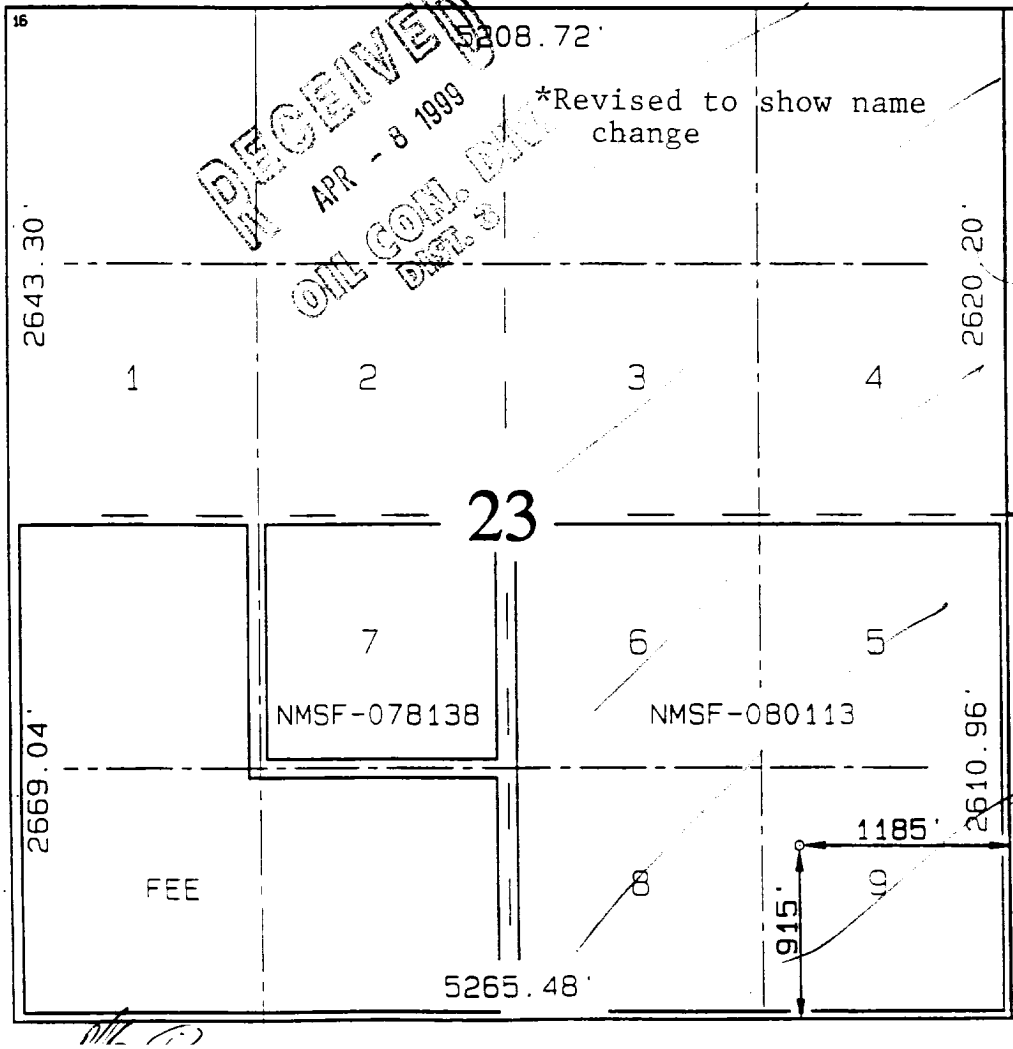
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	23	30N	11W		915	SOUTH	1185	EAST	SAN JUAN

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	13 Joint or Infill	14 Consolidation Code	15 Order No.
S/318.48 W/317.28			

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

Signature

Peggy Bradfield
Printed Name

Regulatory Administrator
Title

2-23-99
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.

JULY 13, 1998
Date of Survey

Signature and Seal of Professional Surveyor

NEALE C. EDWARDS
NEW MEXICO
6857
REGISTERED PROFESSIONAL SURVEYOR

6857
Certificate Number

OPERATIONS PLAN - REVISED

Well Name: Ross Federal #1M (Formerly Hartman Com #5A)
Location: 915' FSL, 1185' FEL, Sec 23, T-30-N, R-11-W
San Juan County, NM
Latitude 36° 47.6, Longitude 107° 57.3
Formation: Blanco Mesa Verde/Basin Dakota
Elevation: 6047'GR

Formation Tops:	Top	Bottom	Contents
Surface	San Jose	1102'	
Ojo Alamo	1102'	1214'	aquifer
Kirtland	1214'	2106'	gas
Fruitland	2106'	2478'	gas
Pictured Cliffs	2478'	2626'	gas
Lewis	2626'	3233'	gas
Intermediate TD	**2726'**		
Huerfanito Bentonite	3233'	3299'	
Chacra	3299'	4184'	gas
Massive Cliff House	4184'	4279'	salt/gas
Menefee	4279'	4789'	gas
Massive Point Lookout	4789'	5018'	gas
Mancos	5018'	6005'	gas
Gallup	6005'	6698'	oil/gas
Greenhorn	6698'	6806'	oil/gas
Graneros	6806'	6863'	oil/gas
Dakota	6863		gas
TD	**7100'**		

Logging Program:
AIT/Dens/Temp - TD to Intermediate Casing
GR/Neut - TD to surface

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 320'	Spud	8.4-8.9	40-50	no control
320-7100'	LSND	8.4-9.1	30-60	no control

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

Casing Program:

Hole Size	Depth Interval	Csg.Size	Wt.	Grade
12 1/4"	0' - 320'	8 5/8"	24.0#	K-55
7 7/8"	0' - 7100'	5 1/2"	15.5#	K-55

Tubing Program:

Dual Completion	0' - 5190'	1 1/2"	2.9#	J-55 EUE
	0' - 7100'	1 1/2"	2.9#	J-55 EUE

BOP Specifications, Wellhead and Tests:

Surface to 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.

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

Completion Operations -

6" 3000 psi double gate BOP stack (Reference Figure #2). After nipple-up prior to completion, pipe rams and casing top will be tested to 3000 psi for 15 minutes.

Surface to Total Depth -

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

Wellhead -

8 5/8" x 5 1/2" x 1 1/2" x 3000 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.
- A BOP pit level drill will be conducted weekly for each drilling crew.
- All of the BOP tests and drills will be recorded in the daily drilling reports.
- Blind and pipe rams will be equipped with extension hand wheels.

Cementing:

8 5/8" surface casing -

Cement to surface w/224 sx Class "B" cement w/3% calcium chloride and 1/4#/sx cellophane flakes (264 cu.ft. of slurry, 100% excess to circulate to surface.) WOC 8 hours prior to drilling out surface casing. 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.

Production Casing - 5 1/2"

First Stage: Cement to circulate to stage tool @ 4034'. Cement w/801 sx Class "H" 50/50 Pozmix w/2% gel, 5 pps Gilsonite, ¼#/sx cellophane flakes, 0.4% fluid loss, 0.2% retarder. WOC 4 hours prior to pumping second stage. (Slurry volume: 1034 cu ft. Excess slurry 100%.)

Second Stage: Cement to circulate to surface. Cmt w/477 sx Class "B" cement w/3% sodium metasilicate, 7 pps Gilsonite, and 1/2#/sx cellophane flakes. WOC a minimum of 18 hours prior to cleanout. (Slurry volume: 1398 cu.ft. Excess slurry: 100%.)

Float shoe on bottom. Three centralizers run every other joint above shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1214'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

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

Additional Information:

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

Fruitland Coal	300 psi
Pictured Cliffs	600 psi
Mesaverde	700 psi
Dakota	2500 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 south half of Section 23 is dedicated to the Mesa Verde and Dakota.
- This gas is dedicated.

Drilling Engineer

3/2/99
Date