# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

1a.		
	Type of Work	5. Lease Number
	DRILL (18 19 20 2)	SF-079045  Unit Reporting Number
/		
1b.	Type of Well APR 2001	6. If Indian, All. or Tribe
	C RECEIVED	7
2.	Operator On COOK DAY	7 Unit Agreement Name
	<b>BURLINGTON</b> DIST 3 RESOURCES Oil & Gas Company	Northeast Blanco Unit
3.	Address & Phone No. of Operator	8. Farm or Lease Name
	PO Box 4289, Farmington, NM 87499	Northeast Blanco Unit -  9. Well Number
1	(505) 326-9700	57M
4.	Location of Well	10. Field, Pool, Wildcat
٦.	-2455'FSL, -625'FEL	Blanco Mesaverde/Basin Dakot
	μωο 14%υ Latitude 36° 53.1, Longitude 107° 34.2	11. Sec., Twn, Rge, Mer. (NMPM) /) Sec.21, T-31-N, R-7-W
	Latitude 36° 53.1, Longitude 107 34.2	API # 30-045- 30 2-8 2
14.	Distance in Miles from Nearest Town 8 mi from Navajo Dam P.O.	12. County 13. State San Juan NM
15.	Distance from Proposed Location to Nearest Property or Lease Line 625'	3
16.	Acres in Lease	17. Acres Assigned to Well
		320 E/2
18.	Distance from Proposed Location to Nearest Well, Drig, Compl, or 1300'  procedural research to 42 CFR 3166.3	
19.	Proposed Depth and appeal pursuant is 43 CFR \$185.4.	20. Rotary or Cable Tools Rotary
21.	Elevations (DF, FT, GR, Etc.)  GL  6379	22. Approx. Date Work will Start
23.	Proposed Casing and Cementing Program	programo dell'Adella dell'Especiale Are
	See Operations Plan attached	EDECOM TO COOK SMI WORK ATTACH
	$\sim$	MODIFIED ENGINEERISM
	Sagar Cala	6-13-00
24.	Authorized by: May Compliance Administrato	r Date
	IT NO. APPROVAL DA	ATE

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

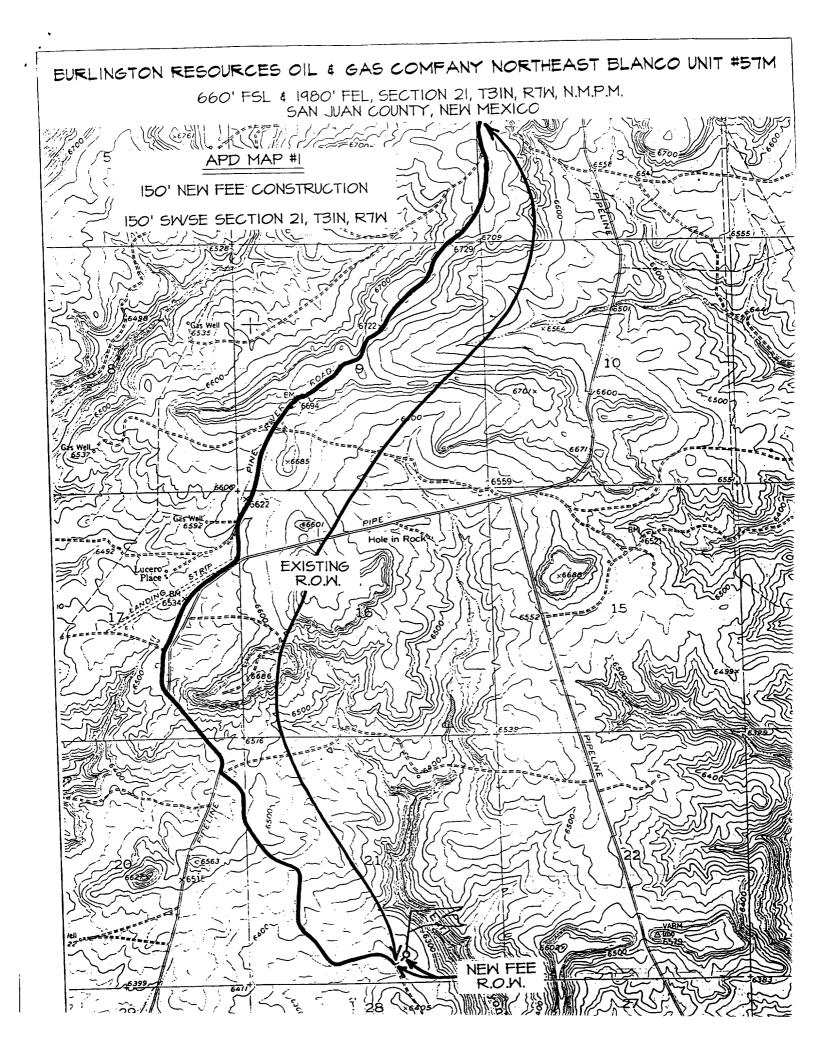
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or presentations as to any matter within its jurisdiction.

# UNITED STATES

# DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wel	.ls	
	5.	Lease Number SF-079045
	r	
1. Type of Well GAS	6.	If Indian, All. or Tribe Name
	7.	Unit Agreement Name
2. Name of Operator		Northeast Blanco Unit
RESOURCES OIL & GAS COMPANY		
	_ 8.	Well Name & Number Northeast Blanco U#57N
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	9.	
		30-045-
4. Location of Well, Footage, Sec., T, R, M 660'FSL, 1980'FEL, Sec.21, T-31N-N, R-7-W, NMPM	10.	Field and Pool Basin DK/Blanco MV
660° F5L, 1960° FEL, Sec.21, 1 310° N, N, N, MILL	11.	County and State
		San Juan Co, NM
12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTIC	E, REPORT, OTHER	DATA
Type of Submission Type of A	ction	
x Notice of Intent Abandonment	Change of Pl	ans
Recompletion	New Construc	
Subsequent Report Plugging Back	Non-Routine	
Casing Repair	Water Shut o Conversion t	o Injection
Final Abandonment Altering Casing	Conversion C	o injection
Other -		
The location of the subject well has been moved 1980'FEL. Attached is the revised C-102 plat.	APR 2001	7 J
(This space for Federal or State Office use)	d correct.  ory Supervisor D	ate 12/21/00 TLW APR 17
AFFROVED DI		
CONDITION OF APPROVAL, if any: Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to United States any false, fictitious or fraudulent statements or representations as to a	to make to any department or any matter within its juris	r agency of the diction.

District I State of New Mexico\_\_\_\_\_ \_\_Form C-102 PO Box 1980, Hobbs, NM 88241-1980 Revised February 21, 1994 Energy, Minerals & Natural Resources Department Instructions on back Submit to Appropriate District Office PO Drawer DD. Antesia, NM 86211-0719 State Lease - 4 Copies OIL CONSERVATION DIVISION Fee Lease - 3 Copies PO Box 2088 1000 Rio Brazos Rd., Aztec, NM 87410 Santa Fe. NM 87504-2088 AMENDED REPORT District IV PO Box 2088, Santa Fe, NM 87504-2088 WELL LOCATION AND ACREAGE DEDICATION PLAT 'Pool Code -'API Number 30-045- 30286 Basin Dakota/Blanco Mesaverde 71599/72319 Property Cope Property Name Well Number NORTHEAST BLANCO UNIT 57M OGRID No. Elevation \*Operator Name BURLINGTON RESOURCES OIL &-GAS COMPANY 6379 ~ 14538 <sup>10</sup> Surface Location County UL or lot no. Sect ion Township Lot Idn Feet from the North/South line Feet from the East/West line 198C 7W SOUTH EAST AUL NAZ 21 31N 660--C11 Bottom From Surface Hole Location If Different North/South line Feet from the UL or lot no. Sect 100 Toyoshap Lot Tota Feet from the East/West line County 12 Decicated Acres 13 Joint or Infill 14 Consolidation Code 55 Order No E/320NO 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 5278.68 I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Reissued to show revised location. APR 2001 Peggy Cole RECEIV Printed Name ONLOOM, DIV Regulatory Supervisor DIST. 3 12-21-00 Date 5280. 16 SURVEYOR CERTIFICATION I hereby certify that the well location shown on was clotted from field notes of actual surveys may or under my supervision, and that the same is the correct to the best of my belief. SF NM-079045 OCTOBER 30, 2000 00 Date of 2640 LAT: 36 52.8 N LONG: 107,34.4 W 660 1980' 660 5286.601 6857



#### OPERATIONS PLAN

Well Name: Northeast Blanco Unit #57M

Location: 2455'FSL, 625'FEL, Sec 21, T-31-N, R-7-W

San Juan County, NM

Latitude 36° 53.1, Longitude 107° 34.2

Formation: Blanco Mesaverde/Basin Dakota

Elevation: 6434'GL

Formation Tops:	Top	Bottom	<u>Contents</u>
Surface	San Jose	2261'	
Ojo Alamo	2261'	2366′	aquifer
Kirtland	2366′	2836′	gas
Fruitland	2836'	3196'	gas
Pictured Cliffs	3196'	3396'	gas
Lewis	3396'	4076'	gas
Intermediate TD	3496'		
Mesa Verde	4076'	4496′	gas
Chacra	4496'	5266′	gas
Massive Cliff House	5266'	5296'	gas
Menefee	5296'	5576 <i>'</i>	gas
Massive Point Lookout	5576'	5911'	gas
Mancos	5911′	6896′	gas
Gallup	6896′	7636′	gas
Greenhorn	7636'	7696'	gas
Graneros	7696'	7806'	gas
Dakota	7806′		gas
TD	8050		

#### Logging Program:

Cased hole - CBL-CCL-GR - TD to surface

Open hole - IEL-GR, CNL-CDL - TD to intermediate casing

Cores - none

Mud log - 7000' to TD

#### Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	Fluid Loss
0- 200'	Spud	8.4-9.0	40-50	no control
200- 3496'	LSND	8.4-9.0	30-60	no control
3496- 8050	Gas	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>Depth Interval</u>	<u>Csq.Size</u>	<u>Wt.</u>	<u>Grade</u>
14 3/4"	0' - 200'	11 3/4"	42.0#	H-40
10 5/8"	0' - 3496'	8 5/8"	32.0#	K-55
7 7/8"	3396' - 8050'_	5 1/2"	15.5#	K-55

#### Tubing Program:

# BOP Specifications, Wellhead and Tests:

# Surface to Intermediate TD -

11" 3000 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.

#### Intermediate TD to Total Depth -

11" 3000 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, 3000 psi minimum choke manifold (Reference Figure #2).

#### Completion Operations -

7 1/16" 3000 psi double gate BOP stack (Reference Figure #3). After nipple-up prior to completion, pipe rams, casing and liner top will be tested to 3000 psi for 15 minutes.

#### Wellhead -

11 3/4" x 8 5/8" x 1 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.
- BOP pit level drill will be conducted weekly for each drilling crew.
- All BOP tests and drills will be recorded in daily drilling reports.
- Blind and pipe rams will be equipped with extension hand wheels.

#### Cementing:

11 3/4" surface casing - cement with 221 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (260 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.

# 8 5/8" intermediate casing -

Lead w/467 sx Class "B" w/3% Econolite, 10 pps gilsonite/sx and 0.25 pps flocele/sx. Tail w/90 sx Class "B" 50/50 poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite/sx, 0.25 pps flocele/sx (1469 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 during completion operations to determine TOC. Test casing to 1500 psi for 30 minutes.

8 5/8" intermediate casing alternative two stage: Stage collar at 2736'. First stage: cement with w/253 sx Class "B" 50/50 poz w/2% gel, 2% calcium chloride, 5 pps Gilsonite/sx, 0.25 pps Flocele. Second stage: 396 sx Class "B" with 6% gel, 2% calcium chloride, 1/4# Cellophane/sx, 5# Gilsonite/sx (1469 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 2366'. turbolating centralizers at the base of the Ojo Alamo at 2366'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

5 1/2" Production Liner -

Cement to cover minimum of 100' of 5  $1/2" \times 85/8"$  overlap. Lead with 801 sx 50/50 Class "B" Poz with 3% gel, 0.3% Halad-344, 0.4% Halad-413, 0.15% HR-5, 0.25# flocele/sx, 5# gilsonite/sx, (1129 cu.ft.), 40% excess to cement 5  $1/2" \times 85/8"$  overlap). WOC a minimum of 18 hrs prior to completing.

Cement float shoe on bottom with float collar spaced on top of shoe joint.

Note: To facilitate higher hydraulic stimulation completion work, no liner hanger will be used. In its place, a long string of 5 1/2" casing will be run and cemented with a minimum of 100' of cement overlap between the 5 1/2" x 8 5/8" casing strings. After completion of the well, a 5 1/2" retrievable bridge plug will be set below the top of cement in the 5 1/2" x 8 5/8" overlap. The 5 1/2" casing will then be backed off above the top of cement in the 5 1/2" x 8 5/8" overlap and laid down. The 5 1/2" bridge plug will then be retrieved and the production tubing will be run to produce the well.

• 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 (Gas/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.
- Deduster equipment will be utilized.
- 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 Mesaverde and Dakota formations will be completed and dualled.
- No abnormal temperatures or hazards are anticipated.
- Anticipated pore pressures are as follows:

Fruitland Coal 300 psi Pictured Cliffs 600 psi Mesa Verde 700 psi Dakota 2500 psi

- Sufficient LCM will be added to the mud system to maintain well control, if lost circulation is encountered.
- The east half of Section 21 is dedicated to the Mesaverde and Dakota in this well.

• This gas is dedicated.

Drilling Engineer

Date