UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

		EN, OR PLUG BACK			
<u></u> а.	Type of Work	5. Lease Number			
	DRILL	SF-078197			
		Unit Reporting Number			
	OCT 30	6. If Indian, All. or Tribe			
b.	Type of Well	6. If Indian, All. of Tribe			
	GAS CANAL STATE				
	Operator	7. Unit Agreement Name			
	BURLINGTON RESOURCES Oil & Gas Company				
•	Address & Phone No. of Operator	8. Farm or Lease Name			
•	PO Box 4289, Farmington, NM 87499	Nye Federal			
	10 2011 12017 1 1111111111111111	9. Well Number			
	(505) 326-9700	#2M			
	Location of Well	10. Field, Pool, Wildcat			
••	930'FSL, 1825'FEL	Blanco MV/Basin DK			
	930 18H, 1020 12D	11. Sec., Twn, Rge, Mer. (NMPM)			
	Latitude 36° 44.2'N, Longitude 107° 54.3'W	/ Sec. 8, T-29-N, R-10-W			
	Edetedde 55 111E try Estage 1	U API# 30-045- 30799			
	Distance in Miles from Nearest Town	12. County 13. State			
4.	5 miles from Blanco	San Juan N			
15.	Distance from Proposed Location to Nearest Property or Lease	e Line			
	930 ′	e Line 17. Acres Assigned to Well			
16.	930 ′	17. Acres Assigned to Well 308.68 E/2			
16.	930' Acres in Lease Distance from Proposed Location to Nearest Well, Drlg, Comple 200'	17. Acres Assigned to Well 308.68 E/2 I, or Applied for on this Lease			
6.	930' Acres in Lease Distance from Proposed Location to Nearest Well, Drlg, Complete	17. Acres Assigned to Well 308.68 E/2 I, or Applied for on this Lease 20. Rotary or Cable Tools			
6.	930' Acres in Lease Distance from Proposed Location to Nearest Well, Drlg, Comple 200'	17. Acres Assigned to Well 308.68 E/2 I, or Applied for on this Lease			
16. 18. 19.	930' Acres in Lease Distance from Proposed Location to Nearest Well, Drlg, Comple 200' Proposed Depth 7120'	17. Acres Assigned to Well 308.68 E/2 I, or Applied for on this Lease 20. Rotary or Cable Tools			
18. 19.	Acres in Lease Distance from Proposed Location to Nearest Well, Drlg, Comple 200' Proposed Depth 7120' . Elevations (DF, FT, GR, Etc.)	17. Acres Assigned to Well 308.68 E/2 I, or Applied for on this Lease 20. Rotary or Cable Tools Rotary			
18. 19.	930' Acres in Lease Distance from Proposed Location to Nearest Well, Drlg, Comple 200' Proposed Depth 7120'	17. Acres Assigned to Well 308.68 E/2 I, or Applied for on this Lease 20. Rotary or Cable Tools Rotary			
18. 19. 21.	Distance from Proposed Location to Nearest Well, Drlg, Comple 200' Proposed Depth 7120' Elevations (DF, FT, GR, Etc.) 5835' GR	17. Acres Assigned to Well 308.68 E/2 I, or Applied for on this Lease 20. Rotary or Cable Tools Rotary			
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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.

This action is subject to technical and procedural review pursuant to 43 CFR 3185.3 and appeal pursuant to 43 CFR 3165.4



DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"



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

District 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

Form C-102 Revised February 21, 1994 Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

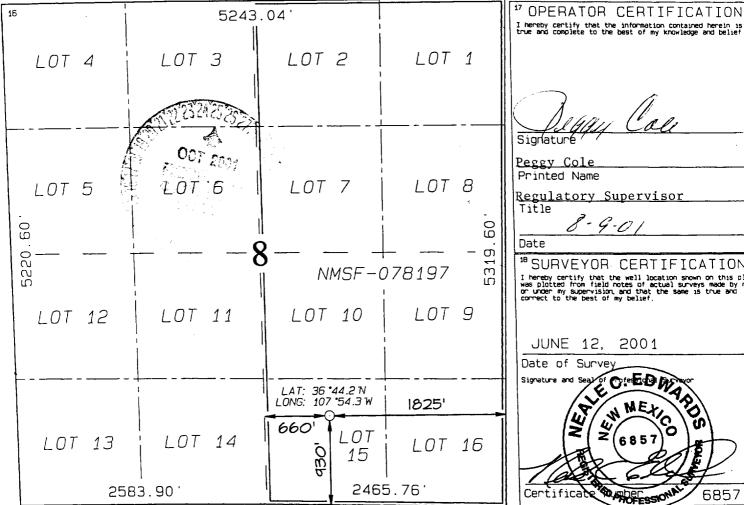
OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number				²Pool Code	9		³Pool Name	9]
30-045- 30799 7231			9/71599	B1:	anco Mesaverd	e/Basin Dak	tota		
'Property Code				*Property Name			* W	*Well Number	
7367					NYE FEDERAL			2M	
OGRID No.				*Operator	*Operator Name			*Elevation	
14538 BURLINGTON RESOURCE				SOURCES	OIL & GAS C	COMPANY LF)	5835 '	
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
0	8	29N	10W		930	SOUTH	1825	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
DK 308.6	8 E/2∕	¹³ Joint or In	fill 14 Cons	olidation Code	¹⁵ Order No.				
MV 308.6	MV 308.68 E/2								

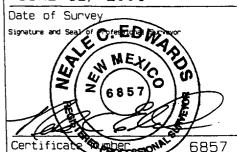
BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL

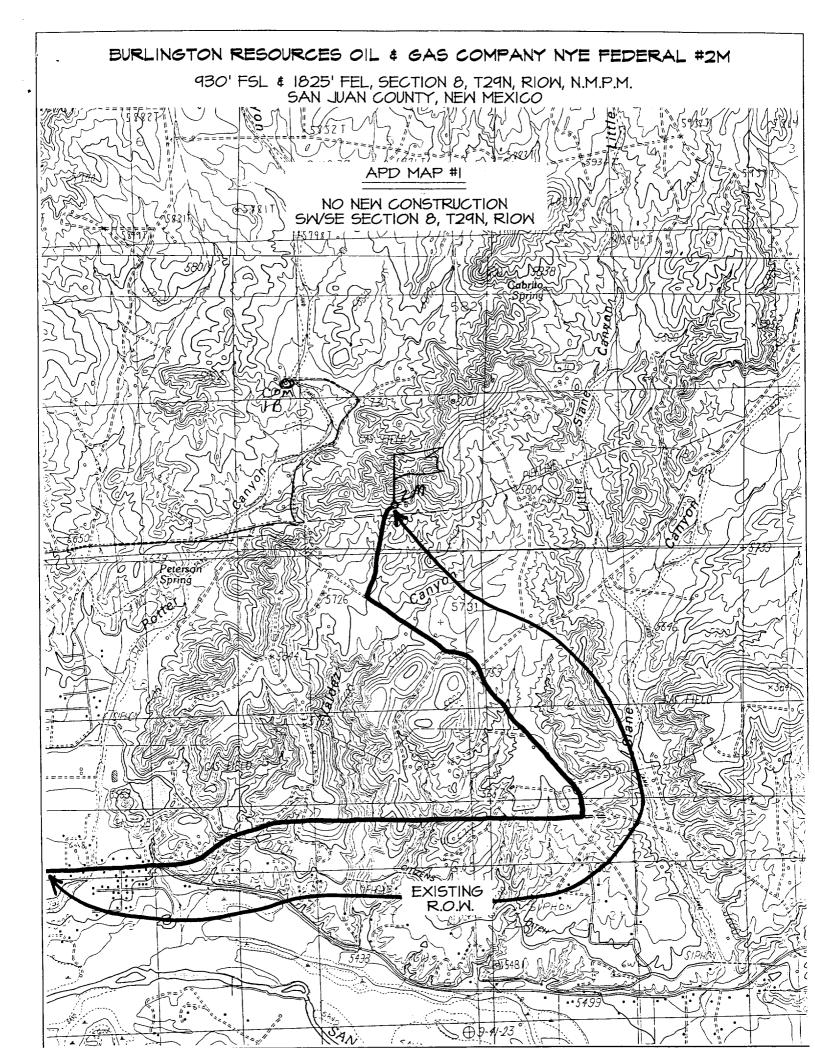


I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature Peggy Cole Printed Name Regulatory Supervisor Title Date 18 SURVEYOR CERTIFICATION

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.

JUNE 12, 2001





OPERATIONS PLAN

Well Name: Nye Federal #2M

930'FSL, 1825'FEL, Sec. 8, T-29-N, R-10-W Location:

San Juan County, NM

Latitude 36° 44.2'N, Longitude 107° 54.3'W

Blanco Mesa Verde/Basin Dakota Formation:

Elevation: 5835'GR

Formation Tops:	Top	Bottom	<u>Contents</u>
Surface	San Jose	1002'	
Ojo Alamo	1002'	1087 ′	aquifer
Kirtland	1087 '	1681 ′	gas
Fruitland	1681'	2207'	gas
Pictured Cliffs	2207'	2307'	gas
Lewis	2307.1	2817'	gas
Intermediate TD	2407'		
Mesa Verde	2817 ′	3197 '	gas
Chacra	3197 '	3857 '	gas
Massive Cliff House	3857'	3907'	gas
Menefee	3907'	4482'	gas
Massive Point Lookout	4482'	4847'	gas
Mancos	4847 ′	5727 '	gas
Gallup	5727 ′	6478 '	gas
Greenhorn	6478'	6537'	gas
Graneros	6537'	6600'	gas
Dakota	6600 ′		gas
TD	7120'		

Logging Program:

Open hole - Platform express - GR/AIT: TD to intermediate TD

Rhob/Neutron: TD to minimum ops depth Cased hole - CBL-CCL-GR - TD to intermediate TD

Mudlog begin 100' above Greenhorn

Cores - none

Mud Program:

Interval		Type	Weight	<u>Vis.</u>	Fluid Loss	
	0- 2	200'	Spud	8.4-9.0	40-50	no control
	200- 2	2407′	LSND	8.4-9.0	30-60	no control
	2407- 7	7120'	Air/N2	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):

Hole Size	Depth Interval	Csg.Size	Wt.	Grade
12 1/4"	0' - 200'	9 5/8"	32.3#	WC-50
8 3/4"	0' - 2407'	7"	20.0#	J-55
6 1/4"	2307' - 7120'	4 1/2"	10.5#	J-55

Tubing Program:

0' - 7120' 2 3/8" 4.7# J-55

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 #3).

Completion Operations -

7 1/16" 3000 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 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:

9 5/8" surface casing - cement with 159 sx Class "B" cement with 1/4# celloflake/sx and 3% calcium chloride (188 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/236 sx 50/50 Class G/TXI lightweight w/2.5% sodium metasilicate, 2% calcium chloride, 10# gilsonite/sx and 1/2# celloflake/sx. Tail w/90 sx 50/50 Class "G" Poz w/2% calcium chloride, 2% gel, 1/4 pps celloflake, 5 pps gilsonite, 0.1% antifoam agent (723 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.

See attached alternative intermediate lead slurry.

7" intermediate casing alternative two stage: Stage collar at 1581'. First stage: cement with 194 sx 50/50 Class "G" Poz w/2% calcium chloride, 2% gel, 1/4 pps celloflake, 5 pps gilsonite, 0.1% antifoam agent. Second stage: 184 sx 50/50 Class G/TXI lightweight w/2.5% sodium metasilicate, 2% calcium chloride, 10# gilsonite/sx and 1/2# celloflake/sx (723 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 1087'. Two turbolating centralizers at the base of the Ojo Alamo at 1087'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

4 1/2" Production Casing -

Cement to cover minimum of 100' of $4\ 1/2'' \times 7''$ overlap. Lead with $480\ sx\ 50/50\ Class\ "G"$ Poz with $5\%\ gel,\ 0.25\%$ celloflake/sx, $5\%\ gilsonite/sx,\ 0.1\%$ retardant and $0.25\%\ fluid$ loss additive, $0.15\%\ dispersant,\ 0.1\%\ antifoam\ agent\ (691\ cu.ft.), <math>40\%\ excess\ to\ cement\ 4\ 1/2''\ x\ 7''$ overlap). WOC a minimum of $18\ hrs\ prior\ to\ completing.$

Note: If open hole logs are run, cement volumes will be based on 25% excess over caliper volumes.

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

- Note: To facilitate higher hydraulic stimulation completion work, no liner hanger will be used. In its place, a long string of 4 1/2" casing will be run and cemented with a minimum of 100' of cement overlap between the 4 1/2" x 7" casing strings. After completion of the well, a 4 1/2" retrievable bridge plug will be set below the top of cement in the 4 1/2" x 7" overlap. The 4 1/2" casing will then be backed off above the top of cement in the 4 1/2" x 7" overlap and laid down. The 4 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 Dakota and Mesa Verde formations will be completed and commingled.
- 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 8 is dedicated to the Mesa Verde and Dakota in this well.
- This gas is dedicated.

Bennan D. Shut	8/9/01
Drilling Engineer	Date