

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

1450' FSL, 990' FWL, Sec. 8, T-29-N, R-10-W, NMPM

5. Lease Number  
SF-078197

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Nye Federal Com #1

9. API Well No.  
30-045-11994

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

☒ 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 add the Mesaverde formation to the subject well according to the attached procedure and wellbore diagram. The well will then be down-hole commingled. A down-hole commingle order will be applied for.

RECEIVED  
DEC - 5 1997

OIL & GAS DIV.  
12/3/97

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

Signed [Signature] (PMPOpps) Title Regulatory Administrator Date 11/20/97

(This space for Federal or State Office use)

APPROVED BY [Signature] Title Regulatory Administrator

Date DEC - 3 1997

CONDITION OF APPROVAL, if any:

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

District II  
PO Drawer 00, 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-1  
Revised February 21, 19  
Instructions on De  
Submit to Appropriate District Off:  
State Lease - 4 Cop:  
Fee Lease - 3 Cop:

STUDY 25 PM 2:26

☐ AMENDED REPOF

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number' 30-045-11994	'Pool Code' 72319/71599	'Pool Name' Blanco Mesaverde/Basin Dakota
'Property Code' 18413	'Property Name' NYE FEDERAL COM	'Well Number' 1
'GRID No.' 14538	'Operator Name' BURLINGTON RESOURCES OIL & GAS COMPANY	'Elevation' 5681'

<sup>10</sup> Surface Location

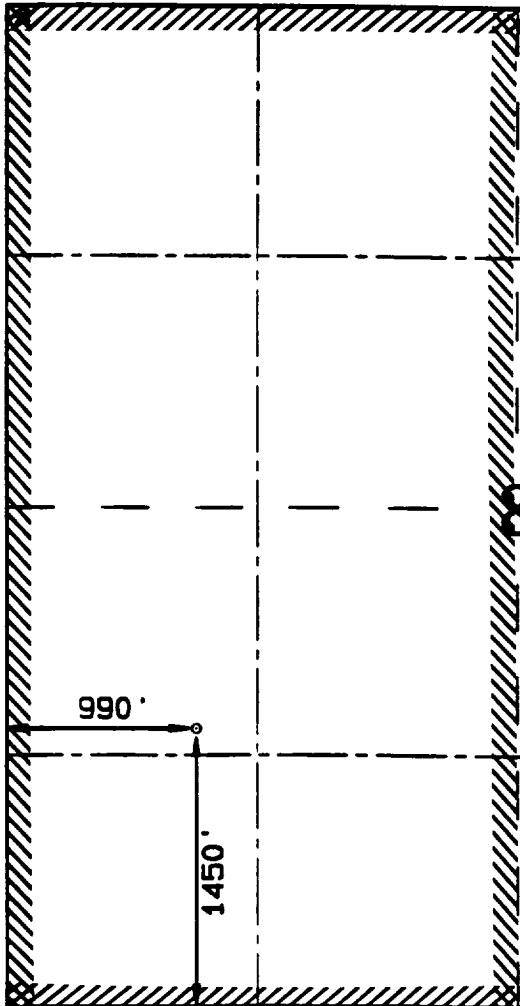
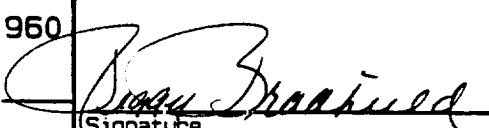
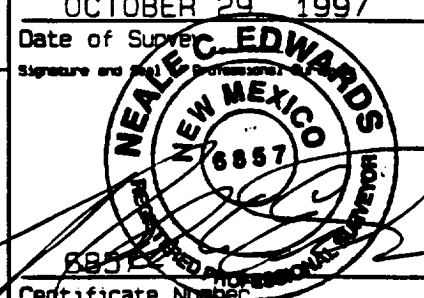
UL or lot no. L	Section 8	Township 29N	Range 10W	Lot Idn	Feet from the 1450	North/South line South	Feet from the 990	East/West line West	County SAN JU
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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<sup>12</sup> Dedicated Acres MV-W/312.94 DK-W/312.94	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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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

	<p>*Not re-surveyed: Prepared from plat By: James P. Leese Dated 27 October, 1960</p> <p>RECEIVED DEC - 5 1997 OIL CON. DIV. 11-10-97</p>	<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein true and complete to the best of my knowledge and be:   Signature Peggy Bradfield Printed Name Regulatory Administrator Title 11-10-97 Date
		<sup>18</sup> SURVEYOR CERTIFICATION I hereby certify that the well location shown on this was plotted from field notes of actual surveys made or under my supervision, and that the same is true an correct to the best of my belief.  OCTOBER 29, 1997 Date of Survey  Signature and Seal of Surveyor NEALE C. EDWARDS NEW MEXICO 6857 Certificate Number

NYE FEDERAL COM #1 MV-DK  
Recompletion Procedure  
L 8 29 10  
San Juan County, N.M.  
Lat-Long: 36-44.23" - 107-54.78"

**PROJECT SUMMARY:** Open the Mesaverde in this existing Dakota well and commingle.

1. Comply to all NMOCD, BLM, and BROG rules and regulations. MOL and RU completion rig. NU 7-1/16" 3000 psi BOP w/flow tee and stripping head. Test operation of rams. NU blooie line and 2-7/8" relief line.
2. TOH w/1-1/4" tbg. Lay tbg down and hydrotest. Run 5-1/2" csg scraper on 2-3/8" rental tbg to 6000'. TOH. Run 5-1/2" drillable BP on 2-3/8" tbg and set @ 6000' and top w/1 sx sand.
3. W/2-3/8" tbg @ 5980', load hole w/1% KCL water. TOH.
4. Run CBL from 6000' to find TOC above 5-1/2" shoe, cmt above and below stg tool @ 4753' and TOC above and below sq holes @ 1410' and an advanced integrated data processed GSL neutron log 4700'-3500' and correlate to attached open hole log. If necessary, pressure csg to 800 psi for CBL log. **Hot-shot** logs to Mike Pippin (326-9848) to determine location of MV perms. Set ret BP @ 4700' on wireline and top w/1 sx sand. Pressure test csg to 800 psi.

**POINT LOOKOUT:**

5. TIH w/2-3/8" tbg open ended and spot 340 gal 15% HCL acid across Point Lookout perms @ about ~4250'-4585'. TOH.  
All acid on this well to contain the following additives per 1000 gal:

2 gal	CI-22	corrosion inhibitor
5 gal	Ferrotrol-300L	iron control
1 gal	Flo-back 20	Surfactant
0.5 gal	Clay Master-5C	clay control
6. Using GSL log, perf Point Lookout w/about 20 holes @ 1 spf @ about 4250' to 4585'. Perf w/select fire HSC gun using HSC-3125-302T 10 gr Owen jets which should give a 0.29" hole and 16.64" of penetration in concrete.
7. Fill 6 - 400 bbl. frac tanks with 1% KCL water. If necessary, filter all water to 25 microns. Five tanks are for gel and one tank for breakdown water. Usable gel water required for frac is 1465 bbls.
8. TIH w/5-1/2" pkr on 3-1/2" 9.3# N-80 w/shaved collars (4.25" O.D. 2.992" I.D.) rental frac string & set @ 4680'. Pressure test ret BP @ 4700' to 3000 psi then reset pkr @ 4100'. (Run 2 jts 2-7/8" N-80 tbg above pkr). W/ 500 psi on annulus, breakdown and attempt to balloff Point Lookout perms w/1500 gal 15% HCL acid and 150% excess RCN 7/8" 1.3 sp gr perf balls. Use same acid additives as in step #5. Max. pressure is 4700 psi. Lower pkr to 4600' to knock off perf balls. Reset pkr @ 4200'.
9. Pressure annulus to 500 psi and monitor during frac job. Frac Point Lookout w/60,000 gals. of 30# gel and 90,000# 20/40 Arizona sand. Pump at 40 BPM. Sand to be tagged w/ 3 RA tracers. Max. pressure is 5500 psi and estimated treating pressure is 4200 psi. Treat per the following schedule:

<u>Stage</u>	<u>Water (Gals.)</u>	<u>Sand Vol. (lbs.)</u>
Pad	15,000	---
1.0 ppg	10,000	10,000
2.0 ppg	25,000	50,000
3.0 ppg	10,000	30,000
Flush	<u>(1,534)</u>	<u>0</u>
Totals	60,000	90,000#

If well is on vacuum near end of frac job, cut flush as necessary to avoid overflushing and slow rate during flush. Frac with the following additives per 1000 gal frac fluid.

- \* 30# J-48 (Guar Gel mix in full tank - 16,000 gal)
- \* 1.0 gal. Aqua Flow (Non-ionic Surfactant mix in full tank)
- \* 1.0# gvw-3 (Enzyme Breaker mix on fly)
- \* 1.0# B-5 (Breaker mix on fly)
- \* 0.38# - Fracide 20 (Bactericide in full tank)

10. Shut well in for 4 hrs to let gel break. TOH w/3-1/2" tbg and pkr. TIH w/4-3/4" bit on 2-3/8" tbg and C.O. Point Lookout w/air/mist to insure a ret BP can be set @ 4230'.

**MENEFEE:**

11. Set ret BP @ 4230' on wireline and top w/1 sx sand. TIH w/5-1/2" pkr on 2-3/8" tbg to 4200' and pressure test ret BP @ 4230' to 3000 psi. Spot 500 gal 15% HCL acid across Menefee perfs at about ~3680'~4200'. Use same acid additives as in step #5.
12. Using GSL log, perf Menefee w/about 20 holes @ 1 spf. Perf w/select fire HSC gun using HSC-3125-302T 10 gr Owen jets which should give a 0.29" hole and 16.64" of penetration in concrete.
13. Fill 6 - 400 bbl. frac tanks with 1% KCL water. If necessary, filter all water to 25 microns. Five tanks are for gel and one tank for breakdown water. Usable gel water required for frac is 1460 bbls.
14. TIH w/5-1/2" pkr on 3-1/2" 9.3# N-80 w/shaved collars (4.25" O.D. 2.992" I.D.) rental frac string & set @ 3500'. (Run 2 jts 2-7/8" N-80 tbg above pkr). W/ 500 psi on annulus, breakdown and attempt to balloff Menefee perfs w/1500 gal 15% HCL acid and 150% excess RCN 7/8" 1.3 sp gr perf balls. Use same acid additives as in step #5. Max. pressure is 4700 psi. Lower pkr to 4220' to knock off perf balls. Reset pkr @ 3650' and prepare to frac.
15. Pressure annulus to 500 psi and monitor during frac job. Frac Menefee w/60,000 gals. of 30# gel and 90,000# 20/40 Arizona sand. Pump at 40 BPM. Sand to be tagged w/ 3 RA tracers. Max. pressure is 5500 psi and estimated treating pressure is 4200 psi. Treat per the following schedule:

<u>Stage</u>	<u>Water (Gals.)</u>	<u>Sand Vol. (lbs.)</u>
Pad	15,000	---
1.0 ppg	10,000	10,000
2.0 ppg	25,000	50,000
3.0 ppg	10,000	30,000
Flush	<u>(1,333)</u>	<u>0</u>
Totals	60,000	90,000#


If well is on vacuum near end of frac job, cut flush as necessary to avoid overflushing and slow rate during flush. Frac with the following additives per 1000 gal frac fluid.

- |                      |  |
|----------------------|--|
| * 30# J-48           | (Guar Gel mix in full tank - 16,000 gal) |
| * 1.0 gal. Aqua Flow | (Non-ionic Surfactant mix in full tank)  |
| * 1.0# gvw-3         | (Enzyme Breaker mix on fly)              |
| * 1.0# B-5           | (Breaker mix on fly)                     |
| * 0.38# - Fracide 20 | (Bacteriacide in full tank)              |

16. Shut well in for 4 hrs to let gel break.
17. Open well through choke manifold and monitor flow. Flow @ 20 bbl/hr. or less, if sand is observed. **Take pitot gauges when possible.** TOH w/pkr.
18. TIH w/retrieving tool on 2-3/8" tbg and C.O. (w/air/mist) to ret BP @ 4230' w/air/mist. Monitor gas and water returns and **Take pitot gauges when possible.** When well is sufficiently clean, retrieve BP @ 4230'. TOH.
19. TIH w/retrieving tool on 2-3/8" tbg and C.O. (w/air/mist) to ret BP @ 4700'. **Take pitot gauges when possible.** When well is sufficiently clean, run MV commingle production test through separator using a back pressure of 150 psi. Retrieve BP @ 4700' and TOH.
20. TIH w/4-3/4" bit on 2-3/8" tbg and drill and C.O. (w/air/mist) drillable BP @ 6000' w/air/mist. Continue C.O. to PBTD 6670'. **Take pitot gauges when possible.**
21. When wellbore is sufficiently clean, run DK commingle production test through separator using a back pressure of 150 psi. TOH and run after frac gamma-ray log and perf eff log from 4700'-3500'.
22. TIH and rabbit 1-1/4" 2.33# IJ tbg w/standard seating nipple one joint off bottom and again cleanout to 6670'. When wellbore is sufficiently clean, land tbg @ 6650' KB. **Take final water and gas samples and rates.**
23. ND BOP and NU wellhead and tree. Rig down and release rig.

Recommended:  10/2/97  
Production Engineer

Approved:  10/24/97  
Drilling Superintendent

Approved:  10/2/97  
Team Leader

VENDORS:

Wireline:	Blue Jet	325-5584
Fracturing:	Howco	325-3575
RA Tag:	Pro-Technics	326-7133

PMP

**Pertinent Data Sheet - NYE FEDERAL COM #1 MV-DK**

L 8 29 10

**Location:** 1450' FSL & 990' FWL, Unit L Section 8 T29N, R10W, San Juan County, New Mexico

**Field:** Blanco Mesaverde  
Basin Dakota  
**Completion Date:** 1/8/61

**Elevation:** 5681' GL  
11' KB

**TD:** 6718'  
**PBTD:** 6670'

**Spud Date:** 12/12/60

**Lease#:** Fed. SF-078197  
**DK DP #:** 50396A  
**MV DP#:** 34323A-3  
**GWl:** 100%  
**NRI:** 84.06%  
**Prop#:** 012568102

**Initial Potential:**

DK: AOF=4438 MCF/D, Q=3756 MCF/D, SICP=1966 PSI

**Casing Record:**

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. &amp; Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Cement (Top)</u>
e12-1/4"	8-5/8"	24# J-55	349'	225 sx	N/A
e7-7/8"	5-1/2"	15.5 #J-55	6718'	175 sx	5824'@75% Eff.
		Stg Tool @	4753'	613 cf	2100'@75% Eff.

**Tubing Record:**

1-1/4" 2.33# IJ 6626' 204 Jts

**Formation Tops:**

Ojo Alamo:	780'		
Kirtland Shale:	899'	Mesaverde	3595'
Fruitland:	1720	Point Lookout	4315'
Pictured Cliffs:	2025'	Gallup	5564'
		Dakota	6435'

**Logging Record:** Induction Log, Acoustic Velocity Log

**Stimulation:** 1/8/61: Perfed DK w/4 spf @ 6648'-60', 6623'-32', 6588'-94', 6571'-74', 6492'-6522' & fraced w/80,000# sand in slick water.

**Workover History:** 4/10/67: Set ret BP @ 1475'. Perfed 6 sq holes @ 1410'. Set 5-1/2" pkr @ 1284' & pressure test annulus to 1500 psi - OK. Sq w/200 sx cmt. Did not circ. Drilled out & pressure tested to 1000 psi. Installed 1-1/4" tbg.

1/88: Pulled tbg. Bottom 11 jts plugged w/scale. Ran bit & scraper & acidized DK.

**Production History:** 1st delivered DK 4/27/67. DK cum = 1,811 MMCF & 15,584 BO. See attached DK production curve. Current DK production is 110 MCF/D.

**Pipeline:** EPNG

# NYE FEDERAL COM #1 MV-DK

UNIT L SECTION 8 T29N R10W  
SAN JUAN COUNTY, NEW MEXICO

