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

5. **Lease Number**
SF-080655

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

7. **Unit Agreement Name**

2. **Name of Operator**
BURLINGTON RESOURCES OIL & GAS COMPANY

8. **Well Name & Number**
Neudecker #7

3. **Address & Phone No. of Operator**
PO Box 4289, Farmington, NM 87499 (505) 326-9700

9. **API Well No.**
30-045-08255

4. **Location of Well, Footage, Sec., T, R, M**
1550'FSL, 790'FWL, Sec. 13, T-29-N, R-10-W, NMPM

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

13. **Describe Proposed or Completed Operations**

It is intended to recomplete the subject well in the Mesaverde formation 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 CON. DIV.
DIST. 3

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

Signed Peggy Bradfield (PMPOpps) Title Regulatory Administrator Date 11/21/97

(This space for Federal or State Office use)
APPROVED BY /S/ Duane W. Spencer Title _____ Date DEC - 3 1997
CONDITION OF APPROVAL, if any:

NMOCD

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

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

97 NOV 25 PM 2:24

Revised February
Instruction
Submit to Appropriate Distri
State Lease -
Fee Lease -

☐ AMENDED

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-045-08255	72319/71599	Blanco Mesaverde/Basin Dakota

Property Code	Property Name	Well N
7355	NEUDECKER	7

OGRID No.	Operator Name	Elevat
14538	BURLINGTON RESOURCES OIL & GAS COMPANY	585

10 Surface Location

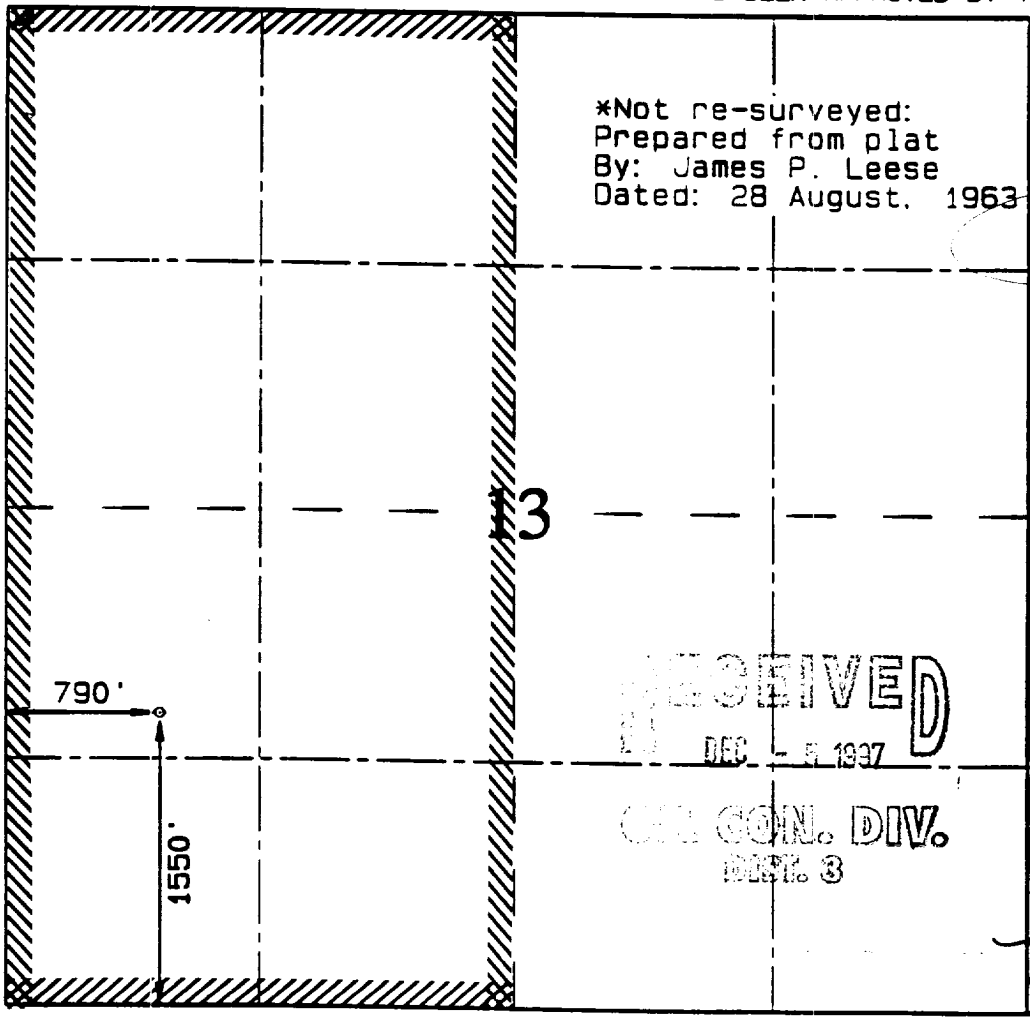
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	
L	13	29N	10W		1550	South	790	West	SA

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	

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
MV-W/320 DK-W/320			

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



RECEIVED
DEC - 5 1997
OIL CON. DIV.
DIST. 3

17 OPERATOR CERTIFI

I hereby certify that the information conta
true and complete to the best of my knowle

Peggy Bradfield
Signature

Peggy Bradfield
Printed Name

Regulatory Adminis
Title

11-10-97
Date

18 SURVEYOR CERTIFIC

I hereby certify that the well location sho
was plotted from field notes of actual surv
or under my supervision, and that the same
correct to the best of my belief.

OCTOBER 29, 199
Date of Survey

Signature and Seal of Professional Surveyor

NEALE C. EDWARD
NEW MEXICO
6857
REGISTERED PROFESSIONAL SURVEYOR

6857
Certificate Number

NEUDECKER #7 MV-DK
Recompletion Procedure
L 13 29 10
San Juan County, N.M.
Lat-Long: 36-43.33" - 107-50.53"

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. Set blanking plug in S.N. of 2-3/8" tbg @ 6741' and test tbg to 3000 psi. TOH w/2-3/8" tbg. Run 4-1/2" csg scraper on 2-3/8" tbg to 6000'. TOH. Run 4-1/2" drillable BP on 2-3/8" tbg and set @ 6000'.

3. W/2-3/8" tbg @ 5980', load hole w/1% KCL water. TOH.

4. Run CBL from 6000' to TOC above TC tool @ 2392' and an advanced integrated data processed GSL neutron log 4800'-3700' 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 sq holes and MV perfs. Pressure test csg to 800 psi.

CMT SQ:

5. Using logs, perf and sq to block the frac stimulations from going uphole, downhole, and growing together behind the csg. Sq jobs should contain the following cmt and general procedure: Pump 5 bbl fresh water and sq w/ 50-50 POZ, w/1% Cacl2, and 1/4 #/sx celoflac, and 3#/sx gilsonite. Mix @ 13.4 #/gal with a yield of 1.33 cu ft/sx . If necessary, hesitate after cmt is below pkr or cmt retainer. Try to hold sq pressure of 1000 psi for 30 min then release pkr and reverse out cmt. Reset pkr and repressure and WOC overnight. TOH.

6. TIH w/3-7/8" bit on 2-3/8" tbg and drill cmt and C.O. w/water to BP @ 6000'. Pressure test to 800 psi. MI Blue Jet. Using wireline, set ret BP just above lower sq holes.

POINT LOOKOUT:

7. TIH w/2-3/8" tbg open ended and spot 150 gal 7-1/2% HCL acid across Point Lookout perfs @ about ~4420'-4650'. 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

8. Using GSL log, perf Point Lookout w/about 20 holes @ 1 spf @ about 4420' to 4650'. 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.

9. 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 1499 bbls.

10. TIH w/4-1/2" pkr on 2-7/8" 6.5# N-80 w/shaved collars (3.5" O.D. 2.441" I.D.) rental frac string and set 10' above ret BP and pressure test to 3000 psi, then reset pkr @ 4200'. (Run 2 jts 2-3/8" N-80 on top of pkr). W/ 500 psi on annulus, breakdown and attempt to balloff Point Lookout 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 #7. Max. pressure is 4700 psi. Lower pkr to 4660' to knock off perf balls. Reset pkr @ 4350'.

11. 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 30 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:

Stage	Water (Gals.)	Sand Vol. (lbs.)
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	(2,914)	0
Totals	60,000	90,000#

If well is on vaccum 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)

12. Shut well in for 4 hrs to let gel break. TOH w/2-7/8" tbg and pkr. TIH w/3-7/8" bit on 2-3/8" tbg and C.O. Point Lookout w/air/mist to insure a ret BP can be set @ 4400'.

MENEFEE:

13. Set ret BP @ 4400' on wireline and top w/1 sx sand. TIH w/4-1/2" pkr on 2-3/8" tbg to 4380' and pressure test ret BP @ 4400' to 3000 psi. Spot 300 gal 7-1/2" HCL acid across Menefee perfs at about ~3975'-~4364'. Use same acid additives as in step #7.

14. 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.

15. 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 1492 bbls.

16. TIH w/4-1/2" pkr on 2-7/8" 6.5# N-80 w/shaved collars (3.5" O.D. 2.441" I.D.) rental frac string and set @ 3700'. (Run 2 jts 2-3/8" N-80 on top of 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 #7. Max. pressure is 4700 psi. Lower pkr to 4370' to knock off perf balls. Reset pkr just below upper sq holes.

17. 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 30 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:

Stage	Water (Gals.)	Sand Vol. (lbs.)
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	(2,613)	0
Totals	60,000	90,000#

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* 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)

18. Shut well in for 4 hrs to let gel break.

19. 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.

20. TIH w/retrieving tool on 2-3/8" tbg and C.O. (w/air/mist) to ret BP @ 4400' w/air/mist. Monitor gas and water returns and **Take pitot gauges when possible.** When well is sufficiently clean, retrieve BP @ 4400'. TOH.

21. TIH w/retrieving tool on 2-3/8" tbg and C.O. (w/air/mist) to ret BP set just above lower sq perfs. **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 and TOH.

22. TIH w/3-7/8" 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 6842'. **Take pitot gauges when possible.**

23. 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'-3600'.

24. TIH and rabbit 2-3/8" 4.7# J-55 EUE tbg w/standard seating nipple one joint off bottom and again cleanout to 6842'. When wellbore is sufficiently clean, land tbg @ 6750' KB. **Take final water and gas samples and rates.**

25. ND BOP and NU wellhead and tree. Rig down and release rig.

Recommended: _____
Production Engineer

Approved: _____ 10/24/97
Drilling Superintendent

Approved: _____ 10/24/97
Team Leader

NEUDECKER #7MV-DK - OPEN AND FRAC MV AND COMMINGLE W/EXISTING DK

VENDORS:

Wireline:	Blue Jet	325-5584
Fracturing:	BJ	327-6222
RA Tag:	Pro-Technics	326-7133

PMP

Pertinent Data Sheet - NEUDECKER #7 MV-DK
L 13 29 10

Location: 790' FWL & 1550' FSL, Unit L Section 13 T29N, R10W, San Juan County, New Mexico

Field: Blanco Mesaverde
Basin Dakota

Elevation: 5855' GL
10' KB

TD: 6910'
PBTD: 6842'

Spud Date: 12/19/62

Lease#: Fed. SF-080655
DK DP #: 27620
MV DP#: 35615A-3
GWI: 40.47%
NRI: 34.01%
Prop#: 012568101

Initial Potential:
DK: AOF=5306 MCF/D, Q=4291 MCF/D, SICP=1969 PSI

Casing Record:

Hole Size	Csg Size	Wt. & Grade	Depth Set	Cement	Cement (Top)
12-1/4"	8-5/8"	24# N/A	318'	250 sx	Circ Cmt
7-7/8"	4-1/2"	10.5 #J-55	6899'	330 sx	5617'@75% Eff.
		TC Tool @	2392'	30 sx	2276'@75% Eff.

Tubing Record:

2-3/8"	4.7# J-55		6773'	216 Jt
		S.N. @	6741'	

Formation Tops:

Ojo Alamo:	530'		
Kirtland Shale:	690'	Mesaverde	3905'
Fruitland:	1940	Point Lookout	4543'
Pictured Cliffs:	2240'	Gallup	5735'
		Dakota	6610'

Logging Record: Induction Log, Sonic Log

Stimulation: Perfed DK w/4 spf @ 6613'-16', 6677'-80', 6691'-94', 6772'-75', 6783'-86' & fraced w/42,000# sand in slick water.

Workover History: **4/97**: TOH w/tbg. Circ hole clean from top of fill @ 6760' to PBTD 6842'. TIH w/tbg.

Production History: DK cum = 1,934 MMCF. See attached DK production curve. Current DK production is 50 MCF/D.

Pipeline: EPNG

NEUDECKER #7 MV-DK

UNIT L SECTION 13 T29N R10W

SAN JUAN COUNTY, NEW MEXICO