submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

2001 MAR -6 PM 2:17

1. **Type of Well**
GAS

5. **Lease Number**
SF-079509

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 #6E

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

9. **API Well No.**
30-045-26605

4. **Location of Well, Footage, Sec., T, R, M**
940'FNL, 1465'FWL, Sec.14, 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 to the Mesaverde formation and commingle the Mesaverde/Dakota formations according to the attached procedure and wellbore diagram.

DHC 370AZ, 4-18-1

JUL 2001 RECEIVED OIL CON. DIV DIST. 3

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

Signed Peggy Cole Title Regulatory Supervisor Date 3/6/01

TLW

(This space for Federal or State Office use)
APPROVED BY /s/ Jim Lovato Title _____ Date JUL 11
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.

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

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
30-045-26605	72319/71599	Blanco Mesaverde/Basin Dakota

⁴ Property Code	⁵ Property Name	⁶ Well Number
7355	Neudecker	6E

⁷ OGRID No.	⁸ Operator Name	⁹ Elevation
14538	Burlington Resources Oil & Gas Company	5722'GR

¹⁰ Surface Location

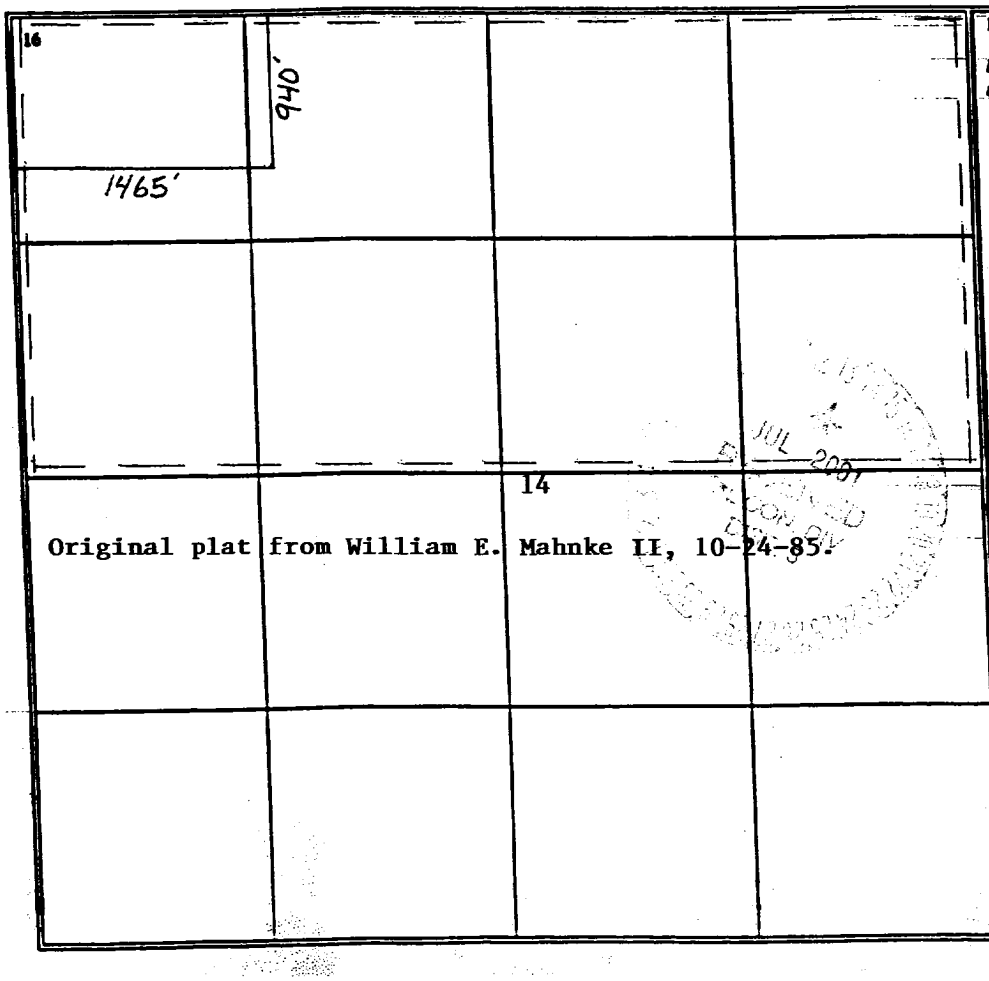
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	14	29N	10W		940'	North	1465'	West	San Juan

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.
N/320			

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 Cole

Printed Name: Peggy Cole

Title: Regulatory Supervisor

Date: 3-6-01

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.

Date of Survey

Signature and Seal of Professional Surveyer:

Certificate Number

Neudecker #6E

Mesaverde Re-completion & Mesaverde / Dakota Commingle
940' FNL, 1465' FWL
Unit C, Sec. 14, T-29-N, R-10-W
San Juan County, NM

Project Summary:

The Neudecker #6E was originally completed in the Dakota formation in 1986. Current Dakota production is ±35 MCFPD with cumulative production of 373 MMCF.

Completion Procedure:

The following procedure details the proposed operations to re-complete the wellbore in the Point Lookout and Menefee intervals of the Mesaverede formation, and then commingle with the existing Dakota production.

- Comply with all NMOCD, BLM and BR regulations. Conduct daily safety meetings for all personnel on location. **Notify BR regulatory (Peggy Cole 326-9727)** and the appropriate Regulatory Agency prior to pumping **any** cement job and after CBL is run. If an unplanned cement job is required, **approval is required before the job can be pumped. If verbal approval is obtained, document the approval in Dims.** Allow adequate notice prior to the pump time for the Agency to witness the cementing operation.
- Inspect location and wellhead and install rig anchors prior to rig move.
- Construct blow pit.

1. MOL, hold safety meeting and RU completion rig. Insure all safety equipment is strategically located and functioning properly. NU relief lines to blow pit. Set frac tanks and fill with 2% KCl water. Blow well down and kill with 2% KCl water as necessary.

2. ND wellhead. NU BOP, stripper head and blooie line. Test BOP.

3. TOOH w/ 1-1/2", 2.9#, J-55 production string set at 6633' (204 jts, SN at 6599'). Inspect tubing, replace as necessary and stand back. The 1-1/2" tubing will be run as the production string following the workover.

4. MI wireline company. Run 3-3/4" gauge ring to check TD (4-1/2" 10.5# csg drift – 3.927"). If gauge ring tags above 6514', PU 3-3/4" casing mill on the 2-3/8", 4.7# J-55 work string. Clean out to PBTD of 6714' (existing Dakota perfs 6514' – 6644' OA). **Blow well at PBTD to check sand production rates. Make sure well is not making sand before TOOH.** TOOH.

5. Set 4-1/2" CIBP @ 6480'. TIH w/ 4-1/2" packer on 2-3/8", 4.7#, J-55 work string. Load hole with 2% KCl water and set packer @ 6430'. Pressure test CIBP to 4050 psi (85% of burst for 4-1/2" 10.5# J-55 casing).

6. Bleed off pressure. Release packer and pull up to 4490'. Spot 3 Bbls of 15% HCl acid** across Point Lookout perf interval. TOOH. ** 15% HCl acid to contain 2 gals of corrosion inhibitor per 1000 gals of acid.

7. Under a lubricator, run CBL-GR-CCL log from 4800' to 3600' (or TOC). Hold 1000 psi on casing while running bond log. Bleed off pressure. ND wireline.

8. Evaluate CBL. Good bond must exist across the proposed Mesaverde perforation intervals (Point Lookout 4434' – 4490' OA; Menefee 3930' – 4306' OA') to isolate the stimulation treatments. Good bond and isolation above the Menefee perforations is also required to prevent the "wet" Massive Cliff House (3765' – 3810') from communicating with the wellbore. (Should CBL indicate poor bond or isolation, contact Drilling Manager or Production Engineer to discuss modification of planned perforation depths).

Neudecker #6E

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San Juan County, NM

9. Install MB wellhead isolation tool. Pressure test CIBP and 4-1/2" casing to 4050 psi (~85% of burst for 4-1/2", 10.5#, J-55 casing).

POINT LOOKOUT:

10. NU wireline company's perforating guns. Correlate CBL / GR log with attached openhole log section and perforate the **Point Lookout** interval with a select fire HSC gun with HSC-3125-302T / 10.0 gram Owen charges; 0.29" Entry hole; 16.64" penetration in concrete. Shoot 30 holes at the following depths:

4434	4435	4436	4437	4438	4439	4440	4441	4442	4443
4444	4445	4446	4447	4448	4449	4450	4451	4452	4453
4454	4455	4456	4457	4458	4459	4460	4486	4488	4490

RD wireline company.

11. RU stimulation company. Hold safety meeting. Pressure test surface lines to 5050 psi.

12. Breakdown Point Lookout perforations with 1000 gals 15% HCl acid**. Drop 60 RCN 7/8" 1.3 specific gravity perf balls evenly spaced throughout job. Attempt to balloff. Record ISIP. **Maximum surface treating pressure for Breakdown and Ball Off is 4050 psi** (~85% of burst for 4-1/2", 10.5#, J-55 casing). **15% HCl acid to contain 2 gals of corrosion inhibitor per 1000 gals of acid.

13. NU wireline company. Under lubricator, RIH with junk basket to recover perf balls (4-1/2" 10.5# csg drift – 3.927"). Run basket over perfs several tuimes to ensure maximum ball recovery. POOH and ND wireline company.

14. NU stimulation company. Hold safety meeting. Pressure test surface lines to 5050 psi.

15. Fracture stimulate the Point Lookout with 50,000 lbs 20/40 Arizona sand in 52,500 gals of slickwater at 50 BPM. Tag sand with 3 isotopes. **Maximum surface treating pressure during Fracture Treatment is 4050 psi** (~85% of Burst for 4-1/2", 10.5#, J-55 casing). Average surface treating pressure is estimated to be 2084 psi @ 50 BPM. Estimated work string and perforation friction will be 1785 psi. Treat per the following schedule:

Stage	**Water (gals)**	**Sand Volume (lbs)**
Pad	7,500	
0.5 ppg	12,500	6,250
1.0 ppg	15,000	15,000
1.5 ppg	12,500	18,750
2.0 ppg	5,000	10,000
Flush (50' above top perf)	2,928	
Totals	**55,428**	**50,000**

Slow rate during flush. Calculate displacement to spot 10 Bbls of 15% HCl acid** across proposed Menefee perf interval (3930'-4306'). If well is on vacuum near end of frac job, cut flush as necessary to avoid overflushing. ** 15% HCl acid to contain 2 gals of corrosion inhibitor per 1000 gals of acid.

Neudecker #6E
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16. Record ISIP, 5, 10, and 15 minute shut-in pressure. ND stimulation company.

17. NU wireline company. Under a lubricator, RIH with CIBP and set @ 4370'.

18. ND wireline. Pressure test CIBP and 4-1/2" casing to 4050 psi (~85% of burst for 4-1/2", 10.5#, J-55 casing).

MENEFEE:

19. NU wireline company's perforating guns. Correlate CBL / GR log with attached openhole log section and perforate the **Menefee** interval with a select fire HSC gun with HSC-3125-302T / 10.0 gram Owen charges; 0.29" Entry hole; 16.64" penetration in concrete. Shoot 30 holes at the following depths:

3930	3932	3934	3936	3938	3970	3972	3974	3976	3978
4040	4042	4044	4046	4110	4112	4114	4252	4254	4256
4258	4260	4262	4276	4278	4280	4282	4302	4304	4306

RD wireline company.

20. RU stimulation company. Hold safety meeting. Pressure test surface lines to 5050 psi.

21. Breakdown Menefee perforations with 2000 gals 15% HCl acid**. Drop 60 RCN 7/8" 1.3 specific gravity perf balls evenly spaced throughout job. Attempt to balloff. Record ISIP. **Maximum surface treating pressure for Breakdown and Ball Off is 4050 psi** (~85% of burst for 4-1/2", 10.5#, J-55 casing). **15% HCl acid to contain 2 gals of corrosion inhibitor per 1000 gals of acid.

22. NU wireline company. Under lubricator, RIH with junk basket to recover perf balls (4-1/2" 10.5# csg drift – 3.927"). Run basket over perfs several tuimes to ensure maximum ball recovery. POOH and ND wireline company.

23. NU stimulation company. Hold safety meeting. Pressure test surface lines to 5050 psi.

24. Fracture stimulate the Menefee with 100,000 lbs 20/40 Arizona sand in 105,000 gals of slickwater at 50 BPM. Tag sand with 3 isotopes. **Maximum surface treating pressure during Fracture Treatment is 4050 psi** (~85% of Burst for 4-1/2", 10.5#, J-55 casing). Average surface treating pressure is estimated to be 2424 psi @ 50 BPM. Estimated work string and perforation friction will be 1736 psi. Treat per the following schedule:

Stage	Water (gals)	Sand Volume (lbs)
Pad	15,000	
0.5 ppg	25,000	12,500
1.0 ppg	30,000	30,000
1.5 ppg	25,000	37,500
2.0 ppg	10,000	20,000
Flush (100' above top perf)	2,558	
Totals	**107,558**	**100,000**

Slow rate during flush. If well is on vacuum near end of frac job, cut flush as necessary to avoid overflushing.

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25. Record ISIP, 5, 10, and 15 minute shut-in pressure. ND stimulation company.

26. Flow back through choke manifold & monitor flow. Flow @ 20 bbl/hr. or less, if sand is observed.

27. When pressure allows, TIH w/ 3-3/4" casing mill on 2-3/8", 4.7#, J-55 work string and clean out to CIBP @ 4370'. Blow well clean and monitor fluid rates until well is sufficiently clean (<5 BWPH). **Take pitot gauges for Menefee only interval.**

28. Drill out CIBP @ 4370' and clean out to CIBP @ 6480'. Blow well clean and monitor fluid rates until well is sufficiently clean (<5 BWPH), **Take pitot gauges for the combined Menefee and Point Lookout intervals.**

29. Drill out CIBP @ 6480' and clean out to PBTD of 6714' (Existing Dakota perfs 6514' – 6644'). Blow well clean and monitor fluid rates until well is sufficiently clean (<5 BWPH), **Take pitot gauges for the combined Mesaverde and Dakota intervals.** TOOH.

30. TIH with an expendable check; ; S.N.; 1 jt. of 1-1/2", 2.9#, J-55 production tubing.; a 2' pup joint and half of the 1-1/2", 2.9#, J-55 production string. Run a broach on sand line to insure the tubing is clear.

31. TIH with remaining 1-1/2" production string and broach this tubing. Replace any bad joints. CO to PBTD with air/mist. PU above perforations. Alternate blow and flow periods, making short trips for clean up as necessary.

32. Land tubing @ ±6600'. Pump off check valve. Flow up work string. **Take final water rates and pitot gauge for gas rates.**

33. ND BOP & NU wellhead & tree. **During workover operations the reservoir may be charged with air. As a result of introducing air to the wellbore, excess oxygen levels may be in the reservoir and/or wellbore. Contact the Lease Operator to discuss the need for determining oxygen levels prior to returning the well to production.**

34. Rig down & release rig. (Post frac tracer log will be run through work string after the rig is off location).

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San Juan County, NM

Approve: _____ 2/22/01
Team Leader

Approve: _____ 2-28-01
Drilling Manager

Recommend: _____
Production Engineer

Regulatory: Sundry Notice Required
Yes X
No ____

_____ 3-1-01

Vendors:

Stimulation:	No Preference	
Radioactive Tagging:	ProTechnics	326-7133

Production Engineer:	Randy Buckley	Office 326-9597	Pager 326-8820		Home 599-8136
Lease Operator:	Mike Gould		Cell 320-2509		Pager 326-8405
Specialist:	Terry Nelson		Cell 320-2503		Pager 326-8473
Forman:	Steve Florez	Office 326-3560	Cell 320-0029		Pager 326-8199

Neudecker #6E

Unit C, Sec. 14, T-29-N, R-10-W
San Juan County, New Mexico