

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

Sundry Notices and Reports on Wells BLM

1. Type of Well
GAS

99 MAR 10 PM 1:04

Lease Number
SF-078197

070 FARMINGTON, NM

If Indian, All. or
Tribe Name

2. Name of Operator

**BURLINGTON
RESOURCES**

OIL & GAS COMPANY

7. Unit Agreement Name

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

MAR 18 1999

Well Name & Number
Feuille A #5E

API Well No.

30-045-26249

4. Location of Well, Footage, Sec., T, R, M

1510' FSL, 1690' FWL, Sec. 4, T-29-N, R-10-W, NMPM

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 - Commingle

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

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 Mesaverde will then be commingled with the existing Dakota formation. A down-hole commingle application will be filed.

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

Signed [Signature] (PMPOps) Title Regulatory Administrator Date 3/4/99

(This space for Federal or State Office use)

APPROVED BY IS/Duane W. Spencer Title Team Lead, Petroleum Management Date MAR 16 1999

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make 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 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 BLM

Form C-
Revised February 21, 1999
Instructions on
Submit to Appropriate District Of
State Lease - 4 Co
Fee Lease - 3 Co

99 MAR 10 PM 1:04

☐ AMENDED REPC

WELL LOCATION AND ACREAGE

API Number 30-045-26249		Pool Code 72319/71599	Pool Name Blanco Mesaverde/Basin Dakota
Property Code 7015	Property Name FEUILLE A		Well Number 5E
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		Elevation 5892'

10 Surface Location

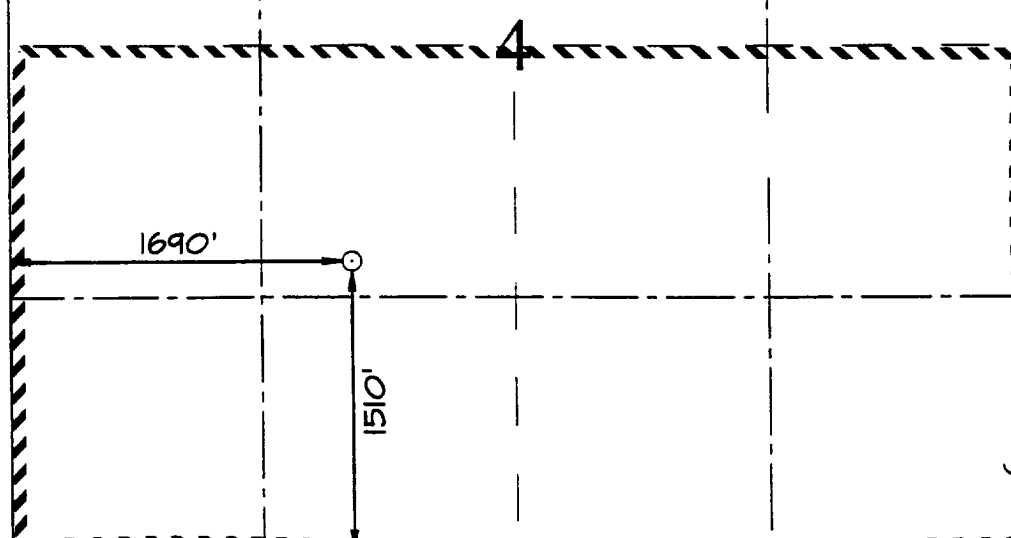
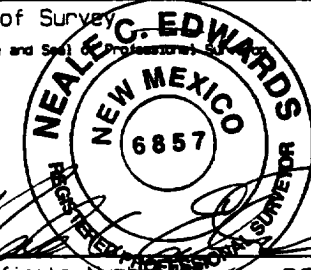
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	4	29N	10W		1510	SOUTH	1690	WEST	SAN J

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 MV-S/292.04 DK-S/292.04	13 Joint or Infill	14 Consolidation Code	15 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>16</p> <p>*NOT RESURVEYED* PREPARED FROM A PLAT BY FRED B. KERR, JR. DATED FEBRUARY 12, 1985</p> 	<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained here is true and complete to the best of my knowledge and belief.</p> <p><i>Peggy Bradfield</i> Signature Peggy Bradfield Printed Name Regulatory Administrator Title 3-8-99 Date</p> <p>18 SURVEYOR CERTIFICATION</p> <p>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 correct to the best of my belief.</p> <p>MARCH 5, 1999 Date of Survey Signature and Seal of Professional Surveyor  Certificate Number 685</p>
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OK @

FEUILLE A #5E MV-DK
Workover Procedure
K 4 29 10
San Juan County, N.M.
Lat-Long: 36-45.12' - 107-53.56'

PROJECT SUMMARY: This is a Mesaverde recompletion in a 1985 vintage Dakota well which will be commingled.

1. Comply to all NMOCD, BLM, and BROG rules and regulations. MOL and RU completion rig. NU BOP w/flow tee and stripping head. NU blooie line and 2-7/8" relief line.
2. Set blanking plug in S.N. of 2-3/8" tbg @ 6737' and test to 3000 psi. TOH w/2-3/8" tbg.

POINT LOOKOUT:

3. TIH w/4-1/2" top drillable BP, on-off tool, and 4-1/2" pkr on 2-3/8" tbg. Set 4-1/2" top drillable BP @ 4850'. Load hole w/1% KCL. PU and set pkr @ 4800' and pressure test BP to 4550 psi. Close pipe rams and pressure test csg to 1500 psi.
4. W/pkr @ 4785', spot 140 gal 15% HCL acid across Point Lookout (4583'-4785'). 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
5. PU and reset pkr @ 60' and pressure test csg and BP to 3800 psi. TOH.
Perf Point Lookout w/1 spf @ 4583', 88', 93', 97', 4601', 05', 11', 19', 22', 27', 32', 37', 47', 60', 67', 4705', 13', 22', 34', 55', 67', 75', 85'. Total 23 holes. 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.
6. Fill 12 - 400 bbl. frac tanks with 1% KCL water. If necessary, filter all water to 25 microns. Eleven tanks are for fracing and one tank for breakdown water. Usable frac water required for frac is 3643 bbls.
7. TIH w/4-1/2" pkr on 2-3/8" tbg and set @ 4400'. W/ 500 psi on annulus, breakdown and attempt to balloff Point Lookout perms w/1500 gal 15% HCL acid and 57 RCN 7/8" 1.3 sp gr perf balls. Use same acid additives as in step #4. Max. pressure is 4550 psi. Lower pkr to 4790' to knock off perf balls. TOH.
8. TIH w/ 4-1/2" pkr on 2 jts 2-7/8" N-80 tbg w/shaved collars and set @ 60' to protect wellhead. Frac Point Lookout down 4-1/2" csg w/150,000 gals. of slick water and 120,000# 20/40 Arizona sand. Pump at 50 BPM. Sand to be tagged w/ 3 RA tracers. Max. pressure is 3800 psi and estimated treating pressure is 1800 psi. Treat per the following schedule:

<u>Stage</u>	<u>Water (Gals.)</u>	<u>Sand Vol. (lbs.)</u>
Pad	30,000	---
0.5 ppg	20,000	10,000
1.0 ppg	80,000	80,000
1.5 ppg	20,000	30,000
Flush	(3,014)	0
Totals	150,000	120,000#

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.

- * 3/4 Gal - FR-30 (Friction Reducer)
- * 1.0 gal. Flowback 20 (Surfactant)
- * 0.38# - Fracide (Bactericide)

9. TOH w/2-7/8" tbg and pkr. Run gauge ring to insure a 4-1/2" BP can be set between frac stages @ 4560'.

MENEFEE:

10. TIH w/4-1/2" top drillable BP, on-off tool, and 4-1/2" pkr on 2-3/8" tbg. Set top drillable BP @ 4560'. PU and set pkr @ 4500'. Pressure test BP to 4550 psi. Close pipe rams and pressure test 4-1/2" csg to 1500 psi. W/ pkr @ 4524, spot 340 gal 15% HCL acid across Menefee perms at about 4028'-4524'. Use same acid additives as in step #4. PU and set pkr @ 60' and pressure test to 3800 psi. TOH
11. Perf Menefee w/1 spf @ 4028', 36', 44', 54', 58', 4246', 50', 53', 56', 77', 80', 84', 4394', 98', 4402', 36', 43', 50', 54', 61', 66', 4513', 17', 21', 24'. Total 25 holes. 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.
12. Fill 12 - 400 bbl. frac tanks with 1% KCL water. If necessary, filter all water to 25 microns. Eleven tanks are for fracing and one tank for breakdown water. Usable frac water required for frac is 3634 bbls.
13. TIH w/4-1/2" pkr on 2-3/8" tbg and set @ 3800'. Breakdown and attempt to balloff Menefee perms w/1500 gal 15% HCL acid and 62 RCN 7/8" 1.3 sp gr perf balls. Use same acid additives as in step #4. Max. pressure is 4550 psi. Lower pkr to 4530' to knock off perf balls. TOH.
14. 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.) and set pkr @ 60'. Frac Menefee down 4-1/2" csg w/150,000 gals. of slick water and 120,000# 20/40 Arizona sand. Pump at 50 BPM. Sand to be tagged w/ 3 RA tracers. Max. pressure is 3800 psi and estimated treating pressure is 2600 psi. Treat per the following schedule:




<u>Stage</u>	<u>Water (Gals.)</u>	<u>Sand Vol. (lbs.)</u>
Pad	30,000	---
0.5 ppg	20,000	10,000
1.0 ppg	80,000	80,000
1.5 ppg	20,000	30,000
Flush	(2,613)	0
Totals	150,000	120,000#

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

- * 3/4 Gal - FR-30 (Friction Reducer)
- * 1.0 gal. Flowback 20 (Surfactant)
- * 0.38# - Fracide (Bactericide)

15. 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/frac tbg and pkr.

16. TIH w/3-7/8" bit on 2-3/8" tbg and C.O. Menefee to drillable BP @ 4560' w/air/mist. Monitor gas and water returns and **Take pitot gauges when possible.** When well is sufficiently clean, drill BP @ 4560' w/air/mist and clean out Point Lookout to drillable BP @ 4850'.
17. **Take pitot gauges when possible.** When well is sufficiently clean, drill BP @ 4850' and clean out Dakota to 6800'.
18. When wellbore is sufficiently clean, TOH and run after frac gamma-ray log from 4900'-3900 and perf eff log across all perf intervals from 6773'-3900'.
19. TIH and rabbit 2-3/8" 4.7# J-55 tbg w/standard seating nipple one joint off bottom and again cleanout to 6800'. When wellbore is sufficiently clean, land tbg @ 6700 KB. **Take final water and gas rates.**
21. ND BOP and NU wellhead and tree. Rig down and release rig. Complete well as commingled Mesaverde – Dakota.

Recommended:  2/23/99 Approve:  2/23/99
 Production Engineer Drilling Superintendent
 Approve:  2/23/99
 Team Leader

VENDORS:

Wireline	Basin	327-5244
Fracturing:	Howco	325-3575
RA Tag:	Pro-Technics	326-7133
Pkrs	Schlum.	325-5006

PMP

FEUILLE A #5E MV-DK

UNIT K SECTION 4 T29N R10W
SAN JUAN COUNTY, NEW MEXICO

