

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

200 DEC 12 PM 1:55

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

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

5. Lease Number
SF-078197

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

Well Name & Number

Feuille A #5E

API Well No.

30-045-26249

10. Field and Pool

Otero Chacra/

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

☒ Notice of Intent☐ Abandonment☐ Change of Plans☐ Subsequent Report☒ Recompletion☐ New Construction☐ Final Abandonment☐ Plugging Back☐ Non-Routine Fracturing☐ Casing Repair☐ Water Shut off☐ Altering Casing☐ Conversion to Injection☒ Other - trimingle

13. Describe Proposed or Completed Operations

It is intended to recompleate the subject well in the Chacra formation and trimingle the Chacra, Mesaverde, and Dakota formations according to the attached procedure

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

Signed *Peggy Cole* Title Regulatory Supervisor Date 12/11/00

TLW

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date FEB 28 2001 *EAG*

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.

NMOCB

OHC 2442, 8/23/99

4

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

200 DEC 12 PM 1:55
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-26249		*Pool Code 82329/72319/71599		*Pool Name Otero Chacra/Blanco Mesaverde/Basin Dakota	
*Property Code 7015		*Property Name FEUILLE A			*Well Number 5E
*GRID No. 14538		*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY			*Elevation 5892'

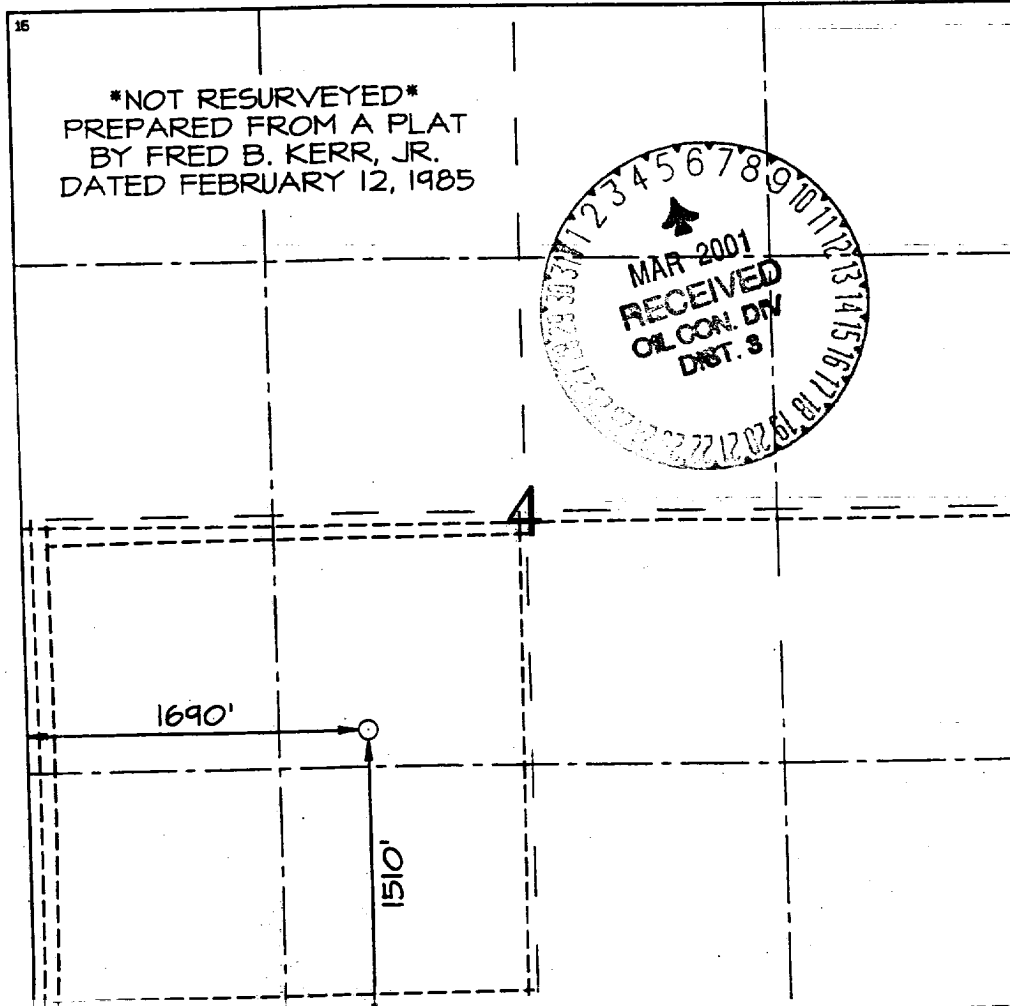

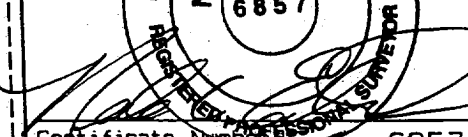
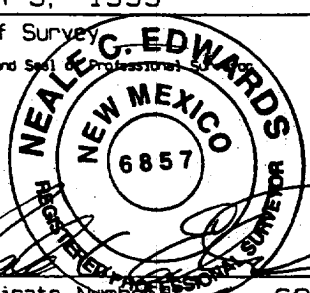
¹⁰ Surface Location

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

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 10n	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres CH:SW/145.58 MV/DK:S/292.04		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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*</p> <p>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 herein is true and complete to the best of my knowledge and belief</p> <p> Signature</p> <p>Peggy Cole Printed Name</p> <p>Regulatory Supervisor Title</p> <p>12-12-00 Date</p>
	<p>18 SURVEYOR CERTIFICATION</p> <p>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.</p> <p>MARCH 5, 1999 Date of Survey</p> <p> Signature and Seal of Professional Surveyor</p> <p></p> <p>Certificate Number 6857</p>

Feuille A #5E
Chacra Recompletion Procedure
1510' FSL, 1690' FWL
K - 04 - 29N - 10W
San Juan County, New Mexico
LAT: 36 DEG 45.12' LONG: 107 DEG 53.56'

Summary:

Lewis pay is going to be added to the existing Menefee, Point Lookout, and Dakota production. The Lewis will be hydraulically fracture stimulated in one stage with 200,000# 20/40 sand and a 75 quality 20# linear gel foam. Foam is used to limit the fluid damage to the Lewis by reducing liquid volumes and by aiding in the liquid recovery during the flowback.

- Comply with all BLM, NMOCD, and BR rules and regulations.
- Hold safety meetings.
- Place fire safety equipment in strategic locations.
- Inspect location and test rig anchors.
- Dig flowback pit or set flowback tank.
- Set and fill 3-400 BBL Frac tanks w/ 2% KCl water. Test and filter if necessary.

Equipment Needed:

- | | |
|-----------------------------------|--|
| 3 -- Frac Tanks with 2% KCl water | 2650 gals Acetic Acid (650 spot, 2000 breakdown) |
| 1 -- 4-1/2" CIBP | |
| 1 -- 4-1/2" Packer w/ Bypass | |
| 1 -- 4-1/2" RBP | |

PROCEDURE:

1. MIRU. Record and report SI pressures on tubing, casing, and bradenhead. Lay blowdown line and blow well down. Kill well with 2% KCl water. ND WH, NU BOP. Test and record operation of rams. NU blooie line and 2-7/8" relief line. Redress production wellhead as needed.
2. TOOH w/ 2-3/8" tubing set at +/- **6710'** and stand back. Inspect tubing and replace bad tubing as necessary. (If existing tbg. is scaled-up, contact production engineer to determine an acid treatment.)
3. PU and TIH w/ 4-1/2" CIBP on 2-3/8" tubing. Set CIBP @ **3,670'**. Load hole w/ 2% KCl water and spot 15 BBLS of Acetic Acid** from the CIBP @ **± 3,670'** to above the top perf. TOOH w/ tubing.

** All Acid to contain the following additives/ 1000 gal:

1000 gal	10%	Acetic Acid
2 gal	MSA II	corrosion inhibitor
5%	NH4CL	clay control

4. Pressure test casing and CIBP to **3,800** psi from surface.
5. Correlate to CBL/CCL/GR and then perforate the Lower Lewis Shale interval with 3-1/8" HSC w/ 3125-306T charges. These are 12 gram charges with a 0.30" hole and 17.5" penetration. Shoot **60** holes top down @ 1 shot per 2 feet at 120° Phase in Acetic Acid at the following depths:

3018-28, 3062-72, 3134-44, 3180-90,
3242-52, 3332-42, 3400-10, 3430-40,
3517-27, 3584-94

RD wireline.

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6. TIH with 4-1/2" RBP, on/off tool and 4-1/2" packer w/ a bypass on 2-3/8" tubing. Set RBP at RBP setting depth. PUH + 10 ft and set Packer. RU stimulation company and pressure test RBP and lines to **3,800** psi. Release packer, and reset packer at Packer Setting Depth. Open the bypass and circulate the acid to the top of the packer. Close the bypass. Breakdown perforations and establish an injection rate between 8 and 10 BPM with 333 gals of Acetic Acid + 5% NH₄Cl **. Breakdown to the Max pressure of **3,800** psi. Release packer and RBP. Repeat for the remaining intervals.

RBP Setting Depth	Packer Setting Depth	Perforation Interval
3,650'	3,460'	3517-27, 3584-94
3,480'	3,370'	3400-10, 3430-40
3,380'	3,210'	3242-52, 3332-42
3,230'	3,090'	3134-44, 3180-90
3,120'	2,970'	3018-28, 3062-72

7. TOOH w/ RBP, Packer, and 2-3/8" tubing and stand back.
8. NU appropriate wellhead isolation tool and stim co. pressure test lines to **4,800** psi. Fracture stimulate in 1.0 to 3.0 ppg stages @ 40 BPM constant downhole rate with 75Q N₂ foamed 20# linear gel and 200,000 lbs. 20/40 mesh sand. When sand concentration begins to drop, call flush. Flush to 100' above top perf with 75Q foam. **Frac is to be tagged with 3 RA Tracers.** Refer to frac schedule enclosed. Maximum treating pressure is **3,800** psi.
9. Record ISIP, 5, 10 and 15 min. shut-in pressure. Shut-in frac valve. RD stimulation company. Install flowback line above frac valve. Lay flowback line to dual-choke manifold and pit. Begin flowback after stimulation company has rigged down from frac valve. Open well to pit in accordance with the flowback schedule listed in the table below. Do not shut well in during flowback. When schedule dictates a larger choke size, open ball valve upstream of adjustable choke and open adjustable choke on manifold to pre-determined size listed in table and begin flowing through adjustable choke. Close ball valve upstream of positive flow bean and change out flow bean to next larger size in table. Open ball valve upstream of positive flow bean and begin flowing. Close ball valve upstream of adjustable choke and close adjustable choke.

10/64" Choke	Approximately 2 hrs.
12/64" Choke	Approximately 2 hrs.
14/64" Choke	Approximately 2 hrs.
16/64" Choke	Approximately 3 hrs.
18/64" Choke	Approximately 3 hrs.
20/64" Choke	Approximately 3 hrs.
22/64" Choke	Approximately 3 hrs.
24/64" Choke	Approximately 3 hrs.
32/64" Choke	Approximately 3 hrs.

NOTE: Follow this schedule to utilize a 24+ hour flowback. If well begins to slug or make large amounts of sand to surface, drop to next lower choke size. If well begins to taper off in liquid production (mostly N₂), change to next larger choke size before time schedule dictates.

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11. PU and TIH w/ 3-7/8" flat mill on 2-3/8" 4.7# J-55 tubing and CO to CIBP @ +/- 3,670' with air/mist. When well is sufficiently clean, gauge the Lewis interval for one hour. Obtain an accurate pitot gauge for the Lewis interval. DO CIBP @ +/- 3,670' w/ 3-7/8" flat mill on 2-3/8" tubing w/ air/mist and a **minimum rate of 12 BPH mist.**
12. CO to PBTD. TOOH w/ 3-7/8" mill and 2-3/8" 4.7# J-55 tubing.
13. TIH w/ 2-3/8" 4.7# J-55 production tubing. Broach in tubing on sandline. TIH w/ one joint of 2-3/8" 4.7# J-55 tubing w/ expendable check, seating nipple, then remaining 2-3/8" production tubing. Land tubing @ +/- 6,710'.
14. ND BOP's, NU wellhead. Pump off expendable check. Obtain a final pitot up tubing. If well will not flow on it's own, make swab run to seating nipple. If swab run is not necessary, RD and MOL.
15. RU Pro-Technics. Run After Frac Log across Lewis. RD Pro-Technics.

Approve: R. Quisel 11/2/2000
Team Leader

Approve: Bruce D. Boyer 11-17-00
Drilling Superintendent

Recommend: Nicholas Quisel 11-9-2000
Production Engineer

Approve: Jeffrey Cale 11-22-00
Regulatory
S/N needed

Michele Quisel

Work: 324-6162

Pager: 326-8196

Home: 564-9097