

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

1190' FNL, 1190' FWL, Sec. 12, T-29-N, R-10-W, NMPM

5. Lease Number
SF-077092

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Lackey A #2A

9. API Well No.
30-045-26317

10. Field and Pool
Otero Chacra/
Blanco Mesaverde

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 - commingle

13. Describe Proposed or Completed Operations

It is intended to recomplate the subject well in the Chacra formation and commingle the Mesaverde and Chacra formations according to the attached procedure



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

Signed

[Signature]

Title Regulatory Supervisor Date 12/11/00

TLW

(This space for Federal or State Office use)

APPROVED BY

Title

Date

MAR

9

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.

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

API Number 30-045-26317		Pool Code 82329/72319		Pool Name Otero Chacra/Blanco Mesaverde	
Property Code 7238		Property Name Lackey A			Well Number 2A
OGRID No. 14538		Operator Name Burlington Resources Oil & Gas Company			Elevation 5782' 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
D	12	29N	10W		1190	North	1190	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

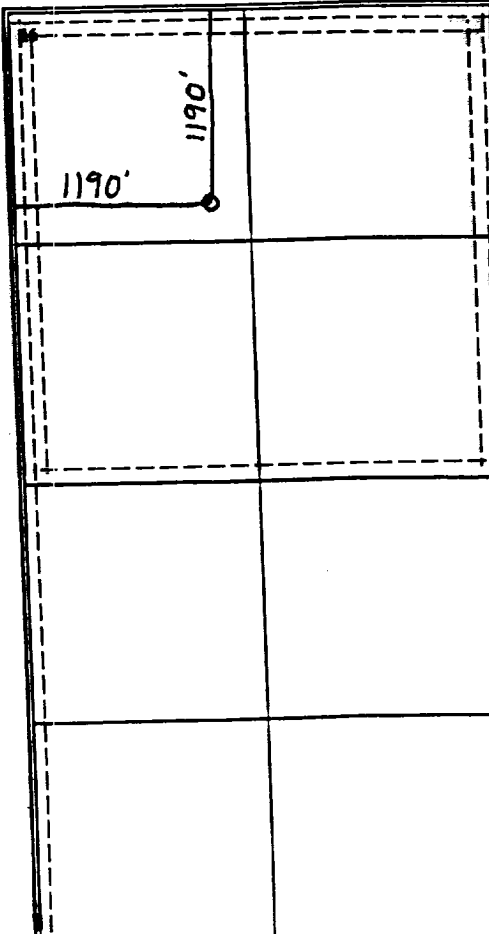
¹² Dedicated Acres
CH: NW/159.14
MV: W/315.56

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

	Original plat from Fred B. Kerr Jr. 2--12-85.	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature: <i>Peggy Cole</i> Printed Name: Peggy Cole Title: Regulatory Supervisor Date: <i>12/12/00</i>	
		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:	

Lackey A #2A
Chacra Recompletion Procedure
1190' FNL, 1190' FWL
D - 12 - 29N - 10W
San Juan County, New Mexico
LAT: 36 DEG 44.61' LONG: 107 DEG 50.45'

Summary:

Lewis pay is going to be added to the existing Menefee and Point Lookout 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 +/- **4,981'** 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 @ **3,630'**. Load hole w/ 2% KCl water and spot 15 BBLS of Acetic Acid** from the CIBP @ \pm **3,630'** 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. RU Wireline. RIH w/ CBL/CCL/GR and log from **3,630'** to the TOL. POOH. Correlate to the attached GR log. Send copies of the log to Drilling and to Michele Quisel.
5. Pressure test casing and CIPB to **3,000** psi from surface.
6. 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:

3010-20, 3064-74, 3130-40, 3210-20,
3275-85, 3315-25, 3380-90, 3448-53,
3485-95, 3560-70

RD wireline.

Lackey A #2A
Chacra Recompletion Procedure
1190' FNL, 1190' FWL
D - 12 - 29N - 10W
San Juan County, New Mexico
LAT: 36 DEG 44.61' LONG: 107 DEG 50.45'

7. 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 **3,000** 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 **3,000** psi. Release packer and RBP. Repeat for the remaining intervals.

RBP Setting Depth	Packer Setting Depth	Perforation Interval
3,620'	3,520'	3560-70
3,540'	3,410'	3448-58, 3485-95
3,420'	3,350'	3380-90
3,360'	3,240'	3275-85, 3315-25
3,250'	3,090'	3130-40, 3210-20
3,100'	2,980'	3010-20, 3064-74

8. TOOH w/ RBP, Packer, and 2-3/8" tubing and stand back.
9. NU appropriate wellhead isolation tool and stim co. pressure test lines to **4,000** 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 **3,000** psi.
10. 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.

Lackey A #2A

Chacra Recompletion Procedure

1190' FNL, 1190' FWL

D - 12 - 29N - 10W

San Juan County, New Mexico

LAT: 36 DEG 44.61'

LONG: 107 DEG 50.45'

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.

12. PU and TIH w/ 3-7/8" flat mill on 2-3/8" 4.7# J-55 tubing and CO to CIBP @ +/- 3,630' 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 @ +/- 3,630' w/ 3-7/8" flat mill on 2-3/8" tubing w/ air/mist and a **minimum rate of 12 BPH mist.**
13. CO to PBTD. TOOH w/ 3-7/8" mill and 2-3/8" 4.7# J-55 tubing.
14. 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 @ +/- 4,981'.
15. 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.
16. RU Pro-Technics. Run After Frac Log across Lewis. RD Pro-Technics.

Approve: R. D. C. 11/13/2000
Team Leader

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

Recommend: Michelle Quisel 11-13-2000
Production Engineer

Approve: Gregory C. Call 11-21-00
Regulatory
S/N needed

Michele Quisel

Work: 324-6162

Pager: 326-8196

Home: 564-9097