

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well  
GAS

200 DEC 12 PM 1:55

070 FARMINGTON, NM

5. Lease Number  
SF-076958  
6. If Indian, All. or  
Tribe Name  
7. Unit Agreement Name

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

1175'FNL, 1710'FWL, Sec.10, T-29-N, R-10-W, NMPM

8. Well Name & Number  
Hare #14A  
9. API Well No.  
30-045-29527  
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

☒ 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 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 Peggy Call Title Regulatory Supervisor Date 12/11/00

TLW

(This space for Federal or State Office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

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

X

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  
OCT 12 PM 1:55

070 FARMINGTON, NM

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 <b>30-045-29527</b>		*Pool Code <b>82329/72319</b>	*Pool Name <b>Otero Chacra/Blanco Mesaverde</b>
*Property Code <b>7091</b>	*Property Name <b>HARE</b>		*Well Number <b>14A</b>
*GRID No. <b>14538</b>	*Operator Name <b>BURLINGTON RESOURCES OIL &amp; GAS COMPANY</b>		*Elevation <b>5772'</b>

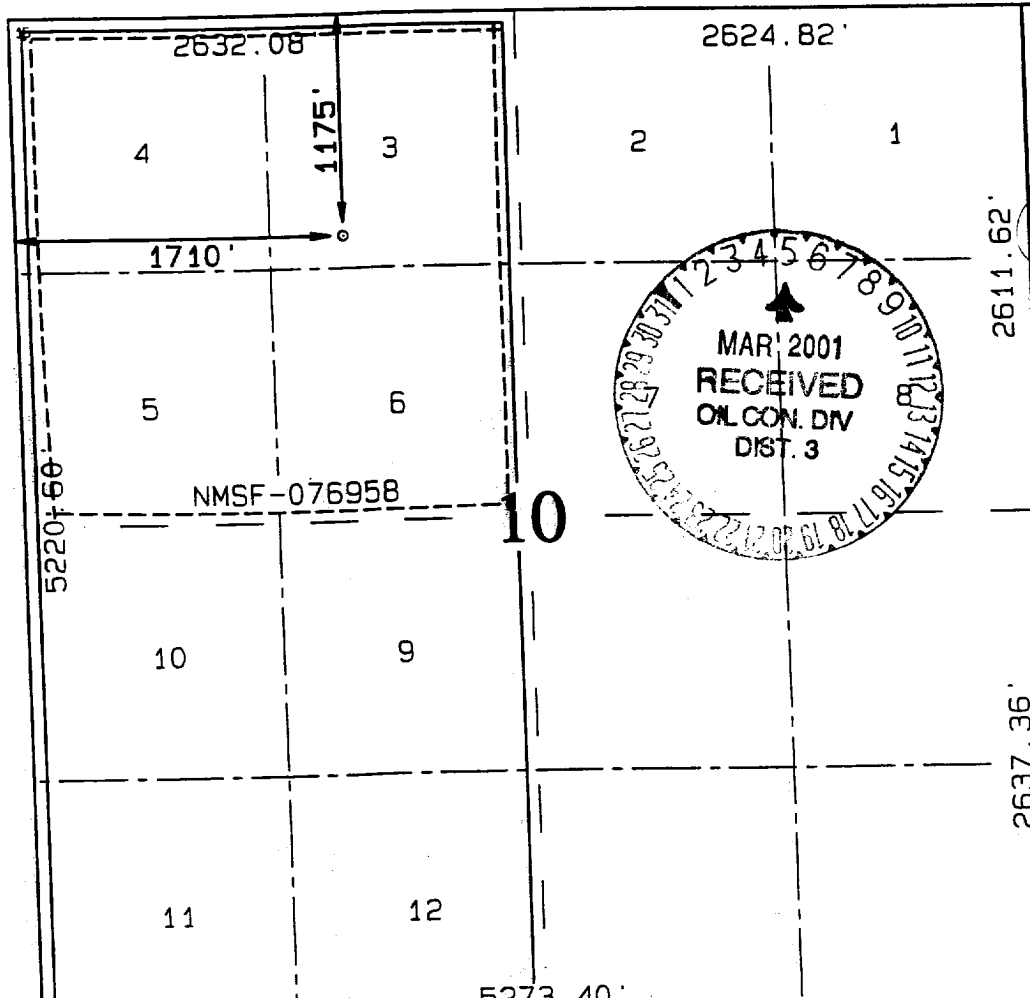
<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	10	29N	10W		1175	North	1710	West	SAN JUAN

<sup>11</sup> 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
<sup>12</sup> Dedicated Acres <b>CH: NW/160.40</b> <b>MV: W/318.64</b>		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> 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



<sup>17</sup> OPERATOR CERTIFICATION  
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

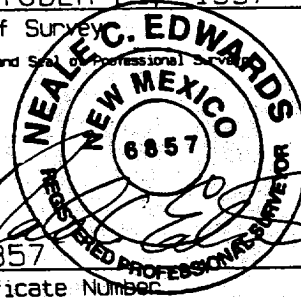
*Peggy Cole*  
Signature  
**Peggy Cole**  
Printed Name  
**Regulatory Supervisor**  
Title  
**12-12-00**  
Date

<sup>18</sup> 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.

**OCTOBER 21, 1997**  
Date of Survey

Signature and Seal of Professional Surveyor



6857  
Certificate Number

**Hare #14A**  
**Chacra Recompletion Procedure**  
**1175' FNL, 1710' FWL**  
**C - 10 - 29N - 10W**  
**San Juan County, New Mexico**  
**LAT: 36 DEG 45.36'      LONG: 107 DEG 52.49'**

---

**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	5000' 2-3/8" Tubing
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/ 1-1/2" tubing set at +/- **4,499'** , laydown and send to the yard.
3. PU & TIH w/ 4-1/2" CIBP and 2-3/8" 4.7# J-55 tubing. Set CIBP @ **3,550'** . Load hole w/ 2% KCl water and spot 15 BBLS of Acetic Acid\*\* from the CIBP @ **± 3,550'** 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 **3,550'** 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:

**2916-26, 2992-3002, 3080-90,**  
**3150-60, 3238-48, 3308-18, 3340-50,**  
**3382-92, 3426-36, 3476-86**

RD wireline.

## Hare #14A

### Chacra Recompletion Procedure

1175' FNL, 1710' FWL

C - 10 - 29N - 10W

San Juan County, New Mexico

**LAT: 36 DEG 45.36'**

**LONG: 107 DEG 52.49'**

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% NH<sub>4</sub>Cl \*\*. 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
3,530'	3,410'	3426-36, 3476-86
3,410'	3,360'	3382-92
3,370'	3,270'	3308-18, 3340-50
3,290'	3,120'	3150-60, 3238-48
3,130'	2,950'	2992-3002, 3080-90
2,960'	2,880'	2916-26

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 N<sub>2</sub> 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.

**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**

## Hare #14A

### Chacra Recompletion Procedure

1175' FN L, 1710' FWL

C - 10 - 29N - 10W

San Juan County, New Mexico

LAT: 36 DEG 45.36'

LONG: 107 DEG 52.49'

(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 @ +/- 3,550' 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 @ +/- 3,550' 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 PBSD. 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 @ +/- 4,600'.
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: Rob C 11/12/2000  
Team Leader

Approve: Bruce O. Bong 11-17-00  
Drilling Superintendent

Recommend: Michele Quisel 11-9-2000  
Production Engineer

Approve: Gregory C. 11-22-00  
Regulatory  
S/N Keener

Michele Quisel

Work: 324-6162

Pager: 326-8196

Home: 564-9097