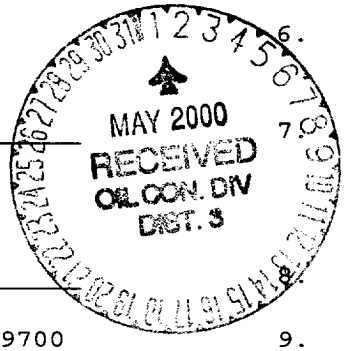
submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

00 MAR -2 PM 1:02

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**
1500'FSL, 1190'FEL, Sec.15, T-30-N, R-11-W, NMPM

5. **Lease Number**
SF-078138

6. **If Indian, All. or Tribe Name**

7. **Unit Agreement Name**

8. **Well Name & Number**
Morris A #13A

9. **API Well No.**
30-045-26586

10. **Field and Pool**
~~WC-30N-11W-15~~ 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		
_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	
	___ Other -		

13. Describe Proposed or Completed Operations

It is intended to recomplete the subject well in the Chacra formation according to the attached procedure and wellbore diagram.

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

Signed Peggy Cole (MQ) Title Regulatory Administrator Date 3/2/00
TLW

(This space for Federal or State Office use)
APPROVED BY /s/ Charlie Beecham Title _____ Date APR 26 2000
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.

OK for R41363

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
30-045-26586	72319/	Blanco Mesaverde/ WC:30N11W15 Chacra

⁴ Property Code	⁵ Property Name	⁶ Well Number
7326	Morris A	13A

⁷ OGRID No.	⁸ Operator Name	⁹ Elevation
14538	Burlington Resources Oil & Gas Company	5866

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
I	15	30N	11W		1500	South	1190	East	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.
SE/160.03			

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

16

Original plat from
Fred B. Kerr Jr. 9/27/85

MAY 2000
RECEIVED
OIL CON. DIV.
DIST. 3

160.03
1190'
1500'

¹⁷ 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 Administrator
Title

3-2-00
Date

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

WORK COPY

Morris A #13A

Chacra Recompletion Procedure
Unit I, Section 15, T-30N, R-11 W
Lat: 36° 48.55' Long: 107° 58.38'

This well was originally drilled in 1985 and is currently completed in the Menefee and Point Lookout. It is intended to recomplete the Chacra (Lewis Shale) and commingle with the existing production. The Chacra will be sand fracture stimulated in two stages using 100,000 lbs 20/40 sand and 75Q 20 lb linear gel in each stage. Foam will be used to limit fluid damage and aid in the flowback. The flowback choke schedule is to be used to ensure that the proppant remains in the fractures.

- 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
(2) 4-1/2" CIBP
(1) 4-1/2" RBP
(1) 4-1/2" Packer

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" 4.7# J-55 tubing set at 4791' (SN @ 4760'). Visually inspect tubing, note and report any corrosion and/or scale** in/on tubing. Replace bad joints as needed.

   ** If tubing is scaled up, contact the production engineer so a scale analysis can be run to determine if an acid treatment is needed.

3. RU wireline. Run 4-1/2" gauge ring to 3820'. If ring tags up before 3820', TIH with 3-7/8" Bit, 4-1/2" 10.5# casing scraper on 2-3/8" tubing and CO to 5040'. TOOH. RIH with 4-1/2" CIBP and wireline set CIBP @ ± 3800'. Load Hole w/ 2% KCl water. Pressure Test Casing to 3000 psi.

4. Correlate to CBL/CCL/GR log and perforate the Lower Chacra as follows using Scallop HSC guns loaded with TAG-4000-311T 23 gm, .42" diameter, 22.2" penetration charges at 1 SPF in the following intervals from bottom up:

   3752-42, 3704-3694, 3660-50, 3622-12, 3502-3492, 3462-52

   RD wireline.

5. TIH with 4-1/2" RBP, on/off tool and 4-1/2" packer 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 3800 psi. Release packer, and reset packer at Packer Setting Depth. 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 3800 psi.** Release packer and RBP. Repeat for the remaining intervals.

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

1000 gal	10%	Acetic Acid
2 gal	MSA II	corrosion inhibitor
5%	NH_4CL	clay control

Morris A #13A

Chacra Recompletion Procedure
Unit I, Section 15, T-30N, R-11 W
Lat: 36° 48.55' Long: 107° 58.38'

RBP Setting Depth	Packer Setting Depth	Perforation Intervals
3790	3670	3694-3704, 3742-52
3680	3550	3612-22, 3650-60
3550	3400	3452-62, 3492-3502

6. TOOH w/ RBP, Packer, and 2-3/8" tubing.

7. Pressure Test surface lines to 4000 psi. Fracture stimulate Lower Chacra with 100,000 lbs 20/40 sand in 75Q foam w/ 20 lb linear gel at a rate of 35 BPM in 0.5 to 3.0 ppg stages. **Tag sand with 3 radioactive isotopes. Maximum Surface Treating Pressure is 3000 psi.** At 35 BPM friction pressure is approximately 570 psi. Slow rate during flush. Flush to 50' above top perf with 75Q foam.

8. Record ISIP, 5, 10 and 15 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 on accordance with 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 N_2), change to next larger choke size before time schedule dictates.

9. RU wireline. RIH w/ 4-1/2" CIBP and wireline set CIBP @ ± 3410'. Pressure test CIBP and casing to 3000 psi.

10. Correlate to CBL/CCL/GR and perforate the Upper Chacra as follows using Scallop HSC guns loaded with TAG-4000-311T 23 gm, .42" diameter, 22.2" penetration charges at 1 SPF in the following intervals from bottom up:

    3356-46, 3322-12, 3262-52, 3215-05, 3151-41, 3106-3096

    RD wireline.

11. TIH with 4-1/2" RBP, on/off tool and 4-1/2" packer 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 3800 psi. Release packer, and reset packer at Packer Setting Depth. 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 3800 psi.** Release packer and RBP. Repeat for the remaining intervals.

Morris A #13A

Chacra Recompletion Procedure
Unit I, Section 15, T-30N, R-11 W
Lat: 36° 48.55' Long: 107° 58.38'

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

1000 gal	10%	Acetic Acid
2 gal	MSA II	corrosion inhibitor
5%	NH_4CL	clay control

RBP Setting Depth	Packer Setting Depth	Perforation Intervals
3400	3280	3312-22, 3346-56
3300	3160	3205-15, 3252-62
3190	3040	3096-3106, 3141-51

12. TOOH w/ RBP, Packer, and 2-3/8" tubing and stand back.

13. Pressure Test surface lines to 4000 psi. Fracture stimulate Upper Chacra with 100,000 lbs 20/40 sand in 75Q foam w/ 20 lb linear gel at a rate of 35 BPM in 0.5 to 3.0 ppg stages. **Tag sand with 3 radioactive isotopes. Maximum Surface Treating Pressure is 3000 psi.** At 35 BPM friction pressure is approximately 450 psi. Slow rate during flush. Flush to 50' above top perf with 75Q foam.

14. Record ISIP, 5, 10 and 15 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 on accordance with 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.

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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 N_2), change to next larger choke size before time schedule dictates.

15. TIH w/ 3-7/8" bit on 2-3/8" tubing and CO to CIBP @ 3410'. Monitor gas and water returns. When sand and water allow (less than 5 BPH and trace sand), take a Upper Chacra pitot gauge. DO CIBP @ 3410' with a minimum of 12 BPH mist rate.

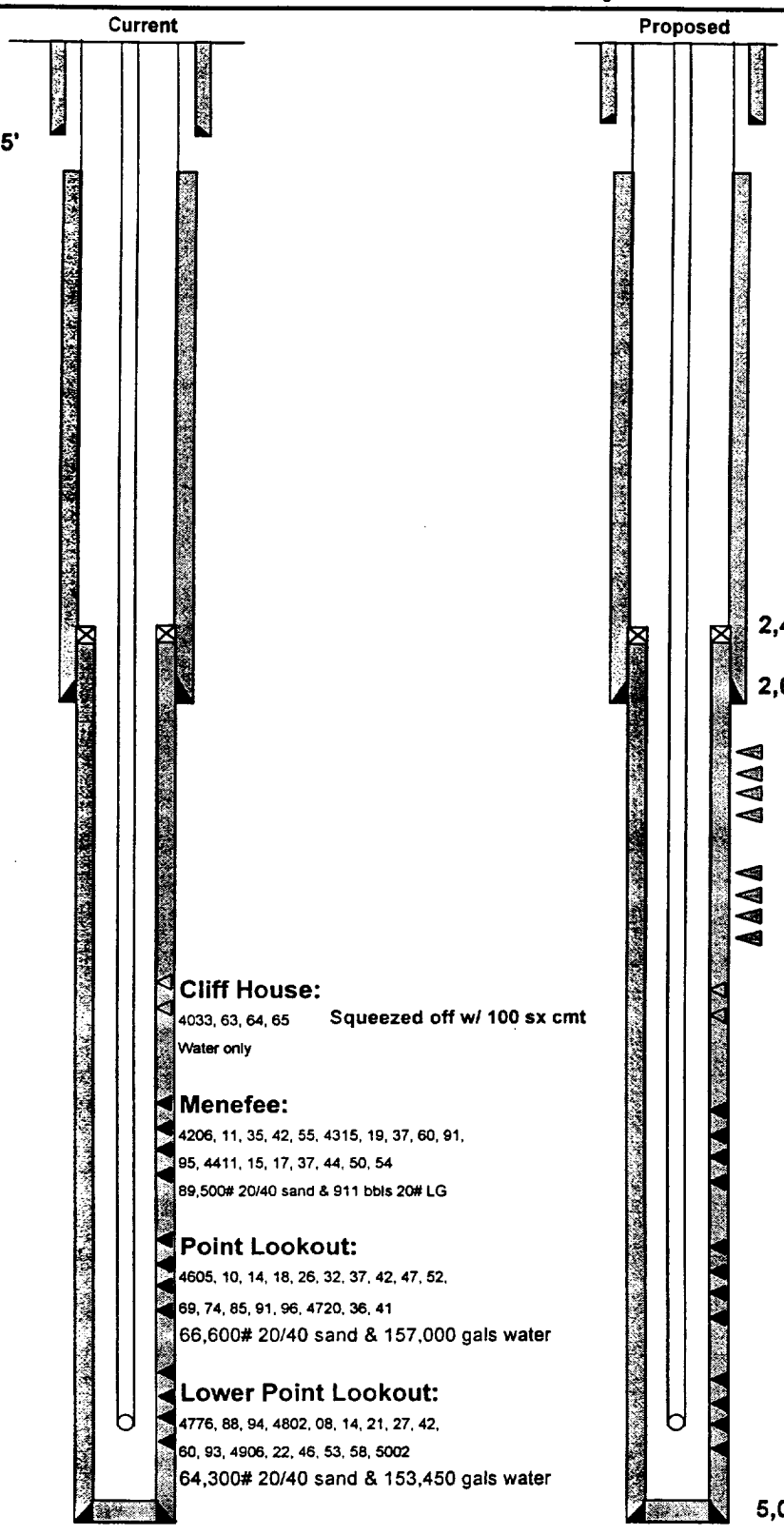
16. CO to CIBP @ 3800'. Monitor gas and water returns. When sand and water allow (less than 5 BPH and trace sand), take a complete Chacra pitot gauge. DO CIBP @ 3800' with a minimum of 12 BPH mist rate.

17. Continue to CO to PBTD with air. Blow well at PBTD and monitor water rates. If needed continue to blow well for clean up. When water rates are below 5 BPH and there is no sand production, TOOH.

MOHS A #10A

1500' FSL, 1190' FEL
Unit I Sec.15, T-30 R-11W
San Juan County, New Mexico

KB 5880 GL 5866
Lat: 36o 48.55' Long: 107o 58.38'



Ojo Alamo	0,000
Kirtland	0,000
Fruitland Coal	0,000
Pictured Cliffs	0,000
Lewis	0,000
Huer Bent	3,047'
Navajo City	3,100'
Otero	3,300'
Second Otero	3,440'
Upper Cliff House	3,850'
Massive Cliff House	3,849'
Menefee	4,102'
Point Lookout	4,600'

PBTD = 5,040'
TD= 5,155'

01/12/2000 MSQ