

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 LP

3. Address & Phone No. of Operator

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

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

1680' FSL, 1580' FEL, Sec. 28, T-28-N, R-9-W, NMPM

5. Lease Number  
NMSF-077107A

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Hancock B #1A

9. API Well No.  
30-045-26375

10. Field and Pool  
Otero Cha/Blanco MV

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 Chacra formation according to the attached procedure. A C-102 plat is attached for the Chacra formation. The Menefee interval of the Mesaverde formation will be squeezed off during the recompletion operations. The Chacra interval will be perforated and stimulated. The wellbore will be cleaned out to plug back total depth. The well will then be down hole commingled. DHC-1242az has been obtained to commingle the well.

Please cancel our intent to recomplate the Chacra that was approved 6-6-03.

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

2003 AUG 11 PM 1:57  
070 Farmington, NM

RECEIVED

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

Signed Stephen Mason Title Regulatory Supervisor Date 8/8/03  
no

(This space for Federal or State Office use)

APPROVED BY Original Signed: Stephen Mason Title \_\_\_\_\_ Date AUG 15 2003

CONDITION OF APPROVAL, if any:

NMOCD

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
**District II**  
1301 W. Grand Ave., Artesia, NM 88210  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-102

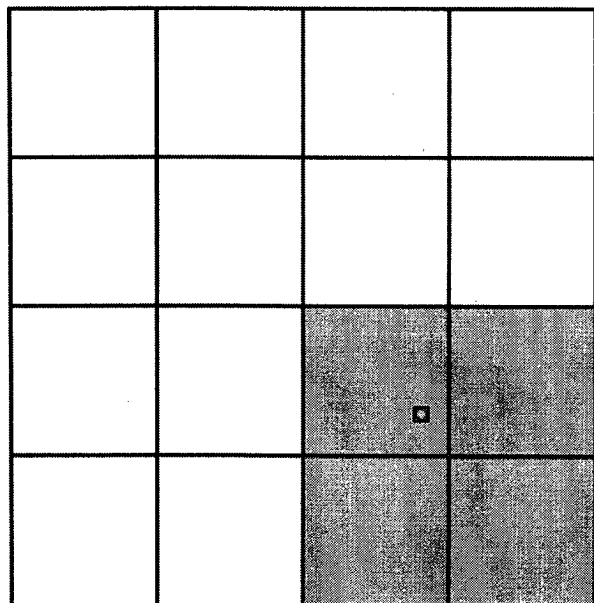
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number	Pool Name OTERO CHACRA (GAS)	Pool Code 82329
Property Code 7078	Property Name HANCOCK B	Well No. 001A
OGRID No. 14538	Operator Name Burlington Resources Oil and Gas Company	Elevation 6845

**Surface And Bottom Hole Location**

UL or Lot J	Section 28	Township 28N	Range 09W	Lot Idn	Feet From 1680	N/S Line S	Feet From 1580	E/W Line E	County San Juan
Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.						



**OPERATOR CERTIFICATION**

*I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.*

Electronically Signed By: 

Title:

Date: 8-8-03

**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.*

Electronically Signed By: Fred Kerr

Date of Survey: 4/15/1985

Certificate Number: 3950

## **WELL HISTORY:**

The Hancock B #1A was originally completed in the Pointlookout in 1985. In July 1999, the Menefee portion of the MV was added. The Menefee proved to be wet in this location, and its water production overpowered the gas production from the Point Lookout. The well had been making approximately 75 mcf/d prior to the payadd. It now sporadically will make 1-5 mcf/d.

## **PROJECT OBJECTIVE:**

The objective for this project is to plug and abandon the Menefee and add the Chacra zone to the existing Mesa Verde interval. The Menefee will be squeezed through a retainer, which will serve as the isolation between the Mesaverde and Chacra zones. Cement circulated off the liner top in this well and a CBL was run during the 1999 payadd; therefore a new CBL will not be required. The Chacra will be perforated and then stimulated with 75 Q 20# LG foam frac. After stimulation and flowback the Chacra will be placed on production for approximately 6 months. A rig will then move back on the well to clean out to PBTD and restore production to the remaining Mesaverde interval.

**Note: There are 3 AFEs for this well. One for the P&A of the MN zone, one for the Chacra recomple, and one to restore the MV/DK production.**

## **WELLBORE PREPARATION:**

Deliver to location following equipment:

1.	One (1) 4-1/2", 10.5# tubing set cement retainer
2.	One (1) 4-1/2" 10.5# tubing set CIBP
3.	800 gal 15% HCL acid
4.	One (1) BR approved wellhead isolation tool
5.	300' of 2-3/8", 4.7#, J55 EUE 8rd tubing for cleanout and replacement tubing.

1. Coordinate with lease operator to catch plunger and retrieve bumper spring on slickline, if necessary. Set tubing stop just above SN located at 5497'.
2. MIRU completion rig. Comply with all BR, BLM, and NMOCD rules and regulations. Record tubing and casing pressures. RU blow lines from casing valves and begin blowing down casing pressure. Keep as little fluid as possible on the formations during pressure control.
3. ND upper tree assembly, and NU BOP. Change pipe rams and handling tools to 2-3/8". RU blooie line from BOP. Repair or replace any leaking or damaged valves on wellhead.
4. Pump water through casing valve to kill annulus and prepare to strip out tubing hanger. Back out jam nuts and remove tubing hanger. TOOH with and LD 5531' of 2-3/8" tubing string, seating nipple located @ 5497, and visually inspect tubing string. Report condition of tubing on DFW report and type of scale, if any.
5. MU 4-1/2" CIBP & RIH on tubing and set CIBP at 5280' (top Point Lookout perf at 5300'). POOH.
6. MU 4-1/2" tubing set cement retainer and RIH to +/-4970, circulate tubing volume through retainer to ensure tubing and retainer are clear of debris. Set retainer, shift and pressure test tubing to 3000 psi, shift retainer and establish an injection rate. Pump 150 sxs of neat cement. Displace cement to

within 1 bbl of retainer, sting out of retainer and reverse circulate tubing volume and continue until returns are clean. POOH. WOC.

7. Test casing and cement retainer to 1000 psi with rig pump. If pressure holds, spot 800 gal of 15% HCl acid across main pay interval. POOH.
8. RU Burlington Resources approved wellhead isolation tool. Pressure test surface lines to 4000 psi for 5 minutes, pressure test casing and retainer top to 3000-psi for 15 minutes. If the pressure test fails begin leak isolation, a cement squeeze procedure will be forth coming from the engineer. If the casing pressure tests holds continue with Chacra stimulation.

### **CHACRA STIMULATION:**

9. RU wireline company. Correlate GR/CCL to attached GR log. Under lubricator, RIH with 3-1/8" HSC casing gun. Select fire perforate Chacra with 1 SPF, 0.33" diameter, 25.89" penetration, 12 gram charges (GOEX XII-GM) at the following depths:

3690	3707	3727	3763	3765	3859	3975	3982	4002	4027
4053	4086	4101	4113	4120	4132	4143	4213	4238	4269
4276	4283	4310	4312	4331	4349	4402			
(27 total holes)									

ND wireline. Inspect casing gun to ensure all perforations fired.

10. NU frac valve, NU stimulation company, pressure test surface lines to 4000 psi for 5 minutes. Maximum treating pressure is 3000-psi. Prepare to breakdown perforations. Pump into perforations to establish injection rate at maximum treating pressure.
11. Fracture stimulate the Chacra interval per attached schedule. Increase injection rate above scheduled rate if pressure and equipment will allow ensuring maximum fluid diversion. **Calculate nitrogen volume factor and adjust fluid rates as necessary throughout the job in order to maintain 60-quality foam. If maximum pressure requires a reduction in nitrogen rates, recalculate required surface sand concentrations to ensure a maximum concentration of 3 ppg downhole is not exceeded.** Add 0-1.0 / 1000 gal friction reducer as needed and 3 gal / 1000 F104 foamer and 1 gal / 1000 F103 surface tension reducer. Flush with 2% KCl once all the 3 ppg sand has cleared the blender tub. Flush to within 200' of top perforation. Cut rate throughout flush as pressure allows. Shut down and record ISIP. ND and release stimulation company.
12. RU to flow back Chacra interval until well cleans up or dies utilizing a BR approved choke manifold. Begin with a small choke size and let the well dictate increasing or decreasing choke size. 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.
13. After the 12 - 24 hour flowback kill well, RD BR approved isolation tool. PU 2-3/8" tubing with 3-7/8" bit/mill and stage in hole and clean out to retainer located at +/-4970'. **(Do not drill out retainer).** A pitot gauge is not necessary. Clean up to less than 5 BPH water and trace of sand. When water rates are less than 5 BPH and sand volumes are acceptable, TOOH & LD bit.
14. PU expendable check, one joint of tubing, seating nipple and 2-3/8" tubing to surface. Land tubing at +/- 4400'. ND BOP, NU wellhead. Pump off expendable check, pitot well up tubing and record in DFW report. **During cleanout operations the reservoir may be charged with air. As a result of**

**excess oxygen levels that may be in the reservoir and/or wellbore, contact the Lease Operator to discuss the need for determining oxygen levels prior to returning the well to production.**

15. Secure location, RD, and MOL.

### **MV PRODUCTION RESTORATION:**

16. Chacra production will be evaluated for a period of 4-6 months. Following this evaluation period, MIRU completion rig. Comply with all BR, BLM, and NMOCD rules and regulations. Record tubing and casing pressures. RU blow lines from casing valves and begin blowing down casing pressure. Keep as little fluid as possible on the formations during pressure control.

Deliver to location following equipment:

1.	1400' of 2-3/8", 4.7#, J55 EUE 8rd tubing for cleanout and replacement tubing.
----	--

17. ND upper tree assembly, and NU BOP. Change pipe rams and handling tools to 2-3/8". RU blooie line from BOP. Repair or replace any leaking or damaged valves on wellhead.

18. Pump water through casing valve to kill annulus and prepare to strip out tubing hanger. Back out jam nuts and remove tubing hanger. TOO H with 4400' of 2-3/8" tubing string, seating nipple located 1 jt off bottom, and visually inspect tubing string. Report condition of tubing on DFW report and type of scale, if any.

19. PU 3-7/8" bit/mill and stage in hole and clean out to retainer located at +/-4970'. Record any water production to engineer and record in DWF report.

20. Drill out retainer and clean out to CIBP located at 5280'. Record any increases in water production once the Menefee interval is exposed. If an increase in water is observed, these perforations will be resqueezed and a procedure will be forthcoming from the production engineer.

21. If no water increase is observed, proceed to drill out CIBP located at 5280' and clean out to PBTD of 5730'. Clean up to less than 5 BPH water and trace of sand. When water rates are less than 5 BPH and sand volumes are acceptable, TOO H & LD bit.

22. PU expendable check, one joint of tubing, seating nipple and 2-3/8" tubing to surface. Land tubing at +/- 5531'. ND BOP, NU wellhead. Pump off expendable check, pitot well up tubing and record in DFW report. **During cleanout operations the reservoir may be charged with air. As a result of excess oxygen levels that may be in the reservoir and/or wellbore, contact the Lease Operator to discuss the need for determining oxygen levels prior to returning the well to production.**

23. Secure location, RD, and MOL.

BR Contacts:					
Position	Name	Office	Pager	Mobile	Home
Engineer	Kelly Sutton	326-9738	324-4324		564-9521
Foreman	Wayne Ritter	9818	324-7225	320-0436	334-6014
Specialist	Johnny Cole	6182	326-8349	320-2521	334-8106
Lease Operator	Joe Golding		324-7824	320-1595	334-9349

## **BLM CONDITIONS OF APPROVAL**

**Operator** Burlington Resources Oil & Gas

**Well Name** Hancock B # 1A

**Legal Location** 1680 FSL / 1580 FEL

**Sec** 28, **T.** 28N, **R.** 9W

**Lease Number** SF-077107A

**Field Inspection Date:** N/A

The following stipulations will apply to this well unless a particular Surface Managing Agency or private Surface owner has supplied to the BLM and the operator a contradictory environmental stipulation. The failure of the operator to comply with requirements may result in the assessments of penalties pursuant to **43 CFR 3163.1 or 3163.2**. A copy of these conditions of approval shall be present on the location during construction, drilling and reclamation activity.

An agreement between operator and fee land owner will take precedence over BLM surface stipulations, unless **(In reference to 43 CFR Part 3160): 1) BLM determines that operators actions will affect adjacent Federal or Indian surface, or 2) operator does not maintain well area and lease premises in a workmanlike manner with due regard for safety, conservation and appearance, or 3) no such agreement exists, or 4) in the event of well abandonment, minimal Federal restoration requirements will be required.**

**STANDARD STIPULATIONS FOR ALL WORKOVERS:** All surface areas disturbed during workover activities and not in use for production activities, will be reseeded the first July – September period after the well has been put back into production. This should occur in the first 12 months after completion of workover activities.

### **SPECIAL STIPULATIONS FOR THIS SITE:**

1. Pits will be fenced during workover operation.
2. All disturbance will be kept on existing pad.
3. Empty and reclaim pit after work completed.
4. Pits will be lined with an impervious material at least 12 mils thick Prior to closing the pit, the liner will be cut off at mud level. The excess liner will be hauled to a licensed disposal area.