

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

2040' FSL, 1625' FWL, Sec. 3, T-25-N, R-6-W, NMPM

5. Lease Number

SF - 078885

6. If Indian, All. or

Tribe Name

7. Unit Agreement Name

Canyon Largo Unit

8. Well Name & Number

Canyon Largo Unit #388

9. API Well No.

30-039-25277

10. Field and Pool

Blanco MV/Otero Chacra

11. County and State

Rio Arriba 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

13. Describe Proposed or Completed Operations

It is intended to recompleate the subject well in the Chacra formation
and plug and abandon the Mesaverde formation according to the attached
procedure and wellbore diagram.

RECEIVED
JUL 17 1998

OIL CONL DAY

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

Signed Deane W. Spencer Title Regulatory Administrator Date 7/13/98

VKH

(This space for Federal or State Office use)

APPROVED BY AS/ Duane W. Spencer Title _____

Date

JUL 15 1998

CONDITION OF APPROVAL, if any:

C-104 FOR N3L

District Office
PO Box 1000 Hobbs, NM 88241-1900

State of New Mexico
Energy, Minerals & Natural Resources Department

Form O-102

Revised February 01, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

District Office
PO Box 1000 Artesia, NM 88210-0719

OIL CONSERVATION DIVISION

PO Box 2088

Santa Fe, NM 87504-2088

District Office
1900 S. Alamosa Rd., Aztec, NM 87410

District Office
PO Box 1000, Santa Fe, NM 87504-2785

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-25277		*Pool Code 82329/72319		*Pool Name Otero Chacra/Blanco Mesaverde	
*Property Code 6886		*Property Name CANYON LARGE UNIT		*Well Number 388	
*API No. 14538		*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 5740	
10 Surface Location					
Section 3	Township 25N	Range 6W	Lot 10n	Feet from the 2040	North/South line SOUTH
				Feet from the 1525	East/West line WEST
County RIO ARriba					
11 Bottom Hole Location If Different From Surface					
Section 3	Township 25N	Range 6W	Lot 10n	Feet from the 2462	North/South line SOUTH
				Feet from the 683	East/West line EAST
County RIO ARriba					
*Depth of Casing		*Joint or Fill		*Consolidation Code	
				*Order No.	

WELL WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>NOT RESURVEYED, PREPARED FROM A PLAT DATED 3-26-93 BY NEALE C. EDWARDS</p>		<p>1625'</p>		<p>2040'</p>	
		<p>683'</p>		<p>2462'</p>	
<p>BOTTOM HOLE</p>		<p>683'</p>		<p>2462'</p>	

12 OPERATOR CERTIFICATION

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

Peggy A. Bradfield
Signature

Peggy A. Bradfield
Printed Name

Regulatory Administrator
Title

Date

13 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes or actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.

JUNE 25, 1998
Date of Survey

Neale C. Edwards
Signature and Seal of

NEALE C. EDWARDS
NEW MEXICO
6857
REGISTERED PROFESSIONAL SURVEYOR
Certificate No. 6857

Canyon Largo Unit #388
Chacra Recompletion Procedure
Unit K, Section 3, T25N, R6W
Lat: 36° - 25.59816' Long: 107° - 27.46032'

It is intended to recomplete the Chacra in this shut in Mesaverde completion. The Chacra will be sand fracture stimulated in a single stage with a total of 82,000 lbs 20/40 sand using a 70Q 25 lb linear gel for transport.

Canyon Largo Unit #388 is currently a 1998 demand well.

1. Inspect location and test rig anchors, if necessary. Comply with all NMOCD, BLM, Forestry & BR rules and regulations. Dig flowback pit or set flowback tank. Haul to location a 4100' inspected 2-3/8" tubing string, 5 joints 2-7/8" tubing and 3, 400 bbl frac tanks.
2. MIRU. Record and report SI pressures on tubing, casing and bradenhead. Fill frac tanks with 2% KCL. Lay blowdown line. Blow well down and kill with 2% KCL water as necessary. ND WH and NU BOP with flow tee and stripping head. Test operation of rams. NU blooie line and 2-7/8" relief line.
3. TOOH with 2-7/8", 6.5 lb/ft Mesaverde production string set at \pm 5229'. Stand back 2-7/8" production string.
4. RU logging company. Run gauge ring for 7", 23 lb/ft casing to 5300'. RIH with 7" CIBP and set at 5290'. Fill casing. Run GR-CBL-CCL from PBTD to top of cement with 1000 psi surface pressure. Bleed off pressure. Run GR-CNL log from 4000 to 3000'. Evaluate CBL and send log copies to drilling and production. Good cement bond must exist across Chacra (3600-3900') to continue. RD logging company.
5. RIH with 7" packer and 2 joints of 2-7/8". Set packer for wellhead isolation. Pressure test casing and CIBP to 4000 psi (90% burst). Bleed off pressure. Release packer and TOOH. TIH with open ended 2-7/8" tubing string to top of CIBP. PU additional 2-7/8" joints as needed.
6. RU pumping contractor. Spot 9 sx cement (~50') on top of CIBP. PUH and reverse circulate tubing clean. PUH to 3840' and spot 300 gals 15% HCL across Chacra perf interval 3725-3840'. RD pumping contractor. TOOH. LD 2-7/8' tubing pulled from well. Stand back one 2-7/8" stand for wellhead isolation.

All acid on this well to contain the following additives per 1000 gals.

2 gal	HAI-81M	Corrosion inhibitor
5 gal	FE-1A	Iron Control
5 gal	FE-2A	Iron Control
1 gal	SSO-21	Surfactant
1 gal	Cla Sta XP	Clay control

7. **Contact J. L. Dobson at 599-4026 to confirm perforation depths.** Perforation depths may change based on the GR-CNL.

Canyon Largo Unit #388
1998 Discretionary Chacra Recompletion

8. RU wireline services. RIH with 3-1/8" select fire carrier guns loaded with Owens 3125306P HSC 12 gm charges set at 2 SPF. (Av. perf diameter - 0.30", Av. pen. -17.48" in concrete). Perf the lower Chacra with **20 holes** from top down. RD wireline services.

3725', 3727', 3729', 3734', 3736', 3738', 3742', 3825', 3832', 3834'
9. RIH with 7" packer and 2 joints 2-7/8" tubing for wellhead isolation. Set packer.
10. RU stimulation company. Hold a tailgate safety meeting. Pressure test surface treating lines to 5000 psi. Breakdown Chacra with 1000 gals 15% HCL acid. Evenly space **40**, 7/8" 1.3 sp gr RCN perf balls throughout the job for diversion. Attempt to ball off to 3800 psi. Record ISIP. Use same acid additives as in Step 6. RD stimulation company.
11. Release packer and TOOH. RU wireline. RIH with junk basket to PBTD. Record recovery and number of hits. RD wireline. TIH with 7" packer and 2 joints 2-7/8" tubing for wellhead isolation. Set packer.
12. RU stimulation company. **Maximum surface treating pressure is 4000 psi.** Fracture stimulate Chacra down the 7" casing with 55,000 gals of 70 quality foam using 25 lb linear gel as the base fluid and 82,000 lbs 20/40 Arizona sand. Pump at **50 BPM**. Monitor surface treating pressures, rate, foam quality and sand concentration with computer van. **Sand is to be tagged with 3 RA tracers.** Estimated treating pressure is 3186 psi. Estimated casing friction is negligible. Treat per the following schedule:

Stage	Downhole Foam Volume (gals)	Clean Gel Volume (gals)	N2 Volume (MSCF)	Sand Volume (lbs)
Pad	10,000	3,000	161.0	
0.5 ppg	4,000	1,200	64.3	2,000
1.0 ppg	10,000	3,000	160.8	10,000
2.0 ppg	10,000	3,000	160.6	20,000
3.0 ppg	10,000	3,000	160.5	30,000
4.0 ppg	5,000	1,500	80.2	20,000
Flush	5,994	1,798	96.5	0
Totals	54,994	16,498	883.9	82,000

Treat frac fluid w/ the following additives per 1000 gallons:

* 0.18 lb/M	BE-6	Biocide
* 6.25 gal/M	LGC-8	Gel
* 5.0 gal/M	AQF-2	Foamer
* 1.0 gal/M	SSO-21	Surfactant
* 0.5 lb/M	GBW-3	Breaker
* 0.5 lb/M	SP	Breaker

Shut well in after frac and record ISIP, 5, 10 and 15 shut-in pressure. RD stimulation company.

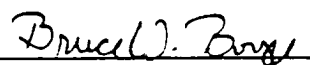
13. Flow well back after 30 minutes to 1 hour through a choke manifold. Open well to pit, starting with a 10/64" choke. If minimal sand is being produced, change to a larger choke size (16/64"). If choke plugs off, shut well in and remove obstruction from choke and return to flowback. Continue increasing choke size and cleaning well up until fluid returns


Canyon Largo Unit #388
1998 Discretionary Chacra Recompletion

are negligible. Once pressures allow, release packer and TOO. LD 2-7/8" tubing and packer.

14. PU and TIH with notched collar on 2-3/8" tbg. Blow well clean with air/mist to 4000'. PUH and continue to alternate between natural flow and blow periods for clean up. **Obtain pitot gauges when possible.** Continue to blow well clean with air/mist until water production is less than 1 BPH and sand production is a trace or less. TOO.
15. Rabbit and TIH with an expendable check, one joint 2-3/8" tubing, standard seating nipple and remaining 2-3/8" tubing. Tag 4000' for sand fill up. If needed, circulate sand off bottom with air. PUH and land tubing at bottom perforation. ND BOP. NU WH. Pump off expendable check. Contact Production Operations for well tie-in RDMO.
16. RU Pro-Technics. Run After-Frac log from 3850-3700'. RD Pro-Technics.

Recommended: 
Production Engineer

Approved:  6-17-99
Drilling Superintendent

Approved: 
Team Leader

VENDORS:

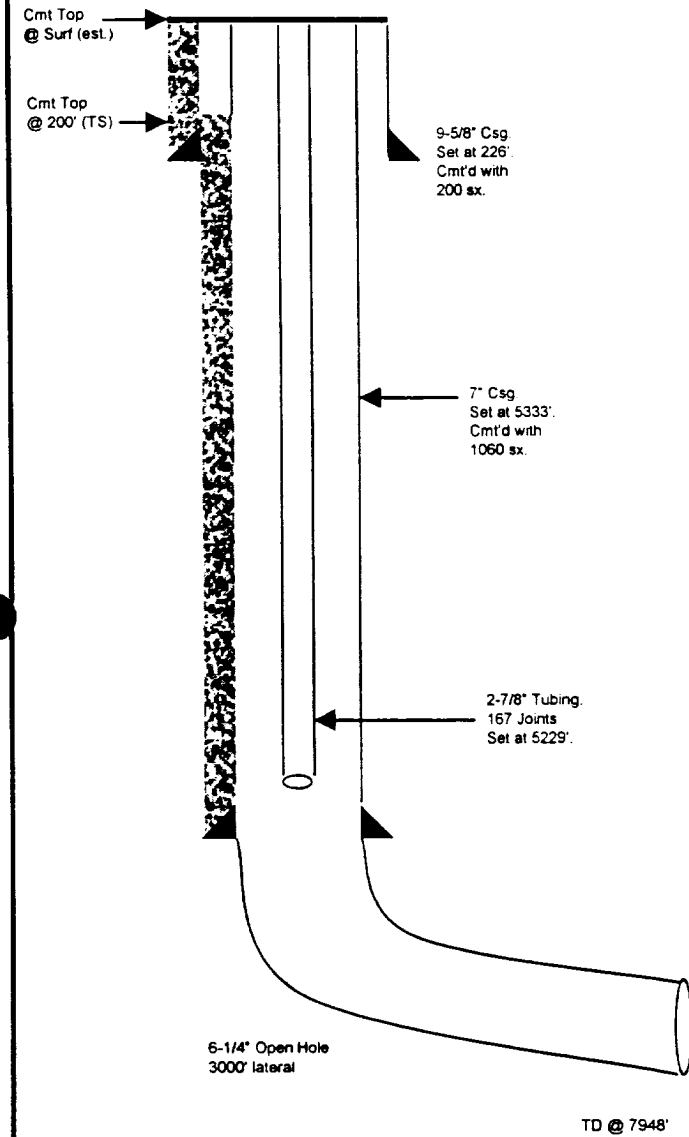
Fracturing:	Dowell	325-5096
Wireline:	Basin	327-5244
RA Tag:	Pro-Technics	326-7133

Jennifer Dobson	599-4026 (work)	564-3244 (home)	324-2461 (pager)
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Canyon Largo Unit #388

Lat: 36° - 25.59816'/Long: 107° - 27.46032'
Unit K, Section 3, T25N, R6W
Rio Arriba County, NM

Current Schematic



Proposed Schematic

