

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division

Sundry Notices and Reports on Wells

<p>1. Type of Well GAS</p> <hr/> <p>2. Name of Operator BURLINGTON RESOURCES OIL & GAS COMPANY</p> <hr/> <p>3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700</p> <hr/> <p>4. Location of Well, Footage, Sec., T, R, M 1760' FSL, 1820' FEL, Sec. 4, T-25-N, R-6-W, NMPM, Rio Arriba County</p>	<p>API # (assigned by OCD) 30-039-82261</p> <p>5. Lease Number Fee</p> <p>6. State Oil&Gas Lease #</p> <p>7. Lease Name/Unit Name Canyon Largo Unit</p> <p>8. Well No. 138</p> <p>9. Pool Name or Wildcat Otero Chacra</p> <p>10. Elevation:</p>
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Type of Submission	Type of Action	
<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other -	

13. Describe Proposed or Completed Operations

It is intended to plug and abandon the subject well according to the attached procedure and wellbore diagram.

RECEIVED
DEC 16 1997
OIL CON. DIV.
DIST. 3

SIGNATURE *[Signature]* (KLM3) Regulatory Administrator December 15, 1997

(This space for State Use)

Approved by *[Signature]* Title DEPUTY OIL & GAS INSPECTOR, DIST #3 Date DEC 16 1997

* As noted on procedure

D+H prior to 12-20-98

NOTIFIED AZTEC OCD
IN TIME TO WITNESS *[Signature]*

PLUG AND ABANDONMENT PROCEDURE

12-10-97

Canyon Largo Unit #138
Otero Chacra
DPNO 51590A
SE, Sec. 4, T25N, R6W
Rio Arriba County, New Mexico

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

1. Install and test location rig anchors. Prepare blow pit. Comply with all NMOC, BLM, and BROGC safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line. Blow down well and kill with water as necessary. ND wellhead and NU BOP. Test BOP.
2. POH and LD 102 joints 1-1/4" NU tubing, 3334'. If tubing is IJ then use as work string.
3. Open bradenhead valve. Establish rate down 2-7/8" casing with water, record pump rate and pressure. Monitor bradenhead for flow. If no flow or blow, then pump 12 7/8" RCN balls in additional water and monitor pressure, rate and volumes pumped, to confirm perforations taking water and there is not a casing leak. If bradenhead flows water or there are other indications of a casing leak, then use 1-1/4" IJ tubing to plug well.
4. **Plug #1 (Chacra perforations, Pictured Cliffs and Fruitland tops, 3323' - 2140'):** Establish rate into Chacra perforations with water. Mix and pump 44 sxs Class B cement (20% excess) down 2-7/8" casing, displace to 2000'. Shut in well and WOC. Pressure test casing to 500#. RIH and tag cement.

Plug #2 (Kirtland and Ojo Alamo tops, 1930' - 1620'): If casing tests after plug #1, then bullhead plug #2 down 2-7/8" casing and displace to 1000'.

5. Perforate 3 squeeze holes at 1930'. Establish rate into squeeze holes if casing test. PU 2-7/8" wireline cement retainer and RIH; set at 1880'. RIH with tubing, sting into retainer and establish rate into squeeze holes. Mix 117 sxs Class B cement, squeeze 108 sxs under retainer and spot 9 sxs above retainer to cover Ojo Alamo top. POH and LD tubing.

* 5A- *Plug #2 (Kirtland and Ojo Alamo tops, 1930' - 1620'):*

6. **Plug #3 (Surface Casing at 105'):** Perforate 2 squeeze holes at 155'. Establish circulation out bradenhead valve. Mix and pump approximately 52 sxs Class B cement down 2-7/8" casing, circulate good cement out bradenhead valve. Shut in well and WOC.

7. ND BOP and cut off wellhead below surface casing. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

Recommended:

[Signature]
Operations Engineer

12/15/97

Approval:

Drilling Superintendent

Canyon Largo Unit #138

Current

DPNO 51590A

Otero Chacra

SE Section 4, T-25-N, R-6-W, Rio Arriba County, NM

Lat/Long: 36°25.55", 107°28.16"

Today's Date: 10/22/97

Spud: 6/9/66

Completed: 8/1/66

Elevation: 6259'

Logs: IES-Ind, Sonic-GR, Density

Workovers: None

12-1/4" hole

8-5/8" 24# Csg set @ 105'
90 sxs (Circulated to Surface)

Well History

June '92: Ran 1-1/4" tubing.

Ojo Alamo @ 1670'

Kirtland @ 1880'

Fruitland @ 2190'

Pictured Cliffs @ 2330'

1-1/4" Tubing set @ 3334'
(102 jts. 2.4# NU)

TOC @ 2059' (Calc, 75%)

Chacra @ 3200'

Chacra Perforations:
3210' - 3323'

PBTD 3439'

6-3/4" hole

TD 3470'

2-7/8" 6.4# Casing set @ 3470'
Cmt with 250 sxs (382 cf)

Canyon Largo Unit #138

Proposed P&A

DPNO 51590A

Otero Chacra

SE Section 4, T-25-N, R-6-W, Rio Arriba County, NM

Lat/Long: 36°25.55", 107°28.16"

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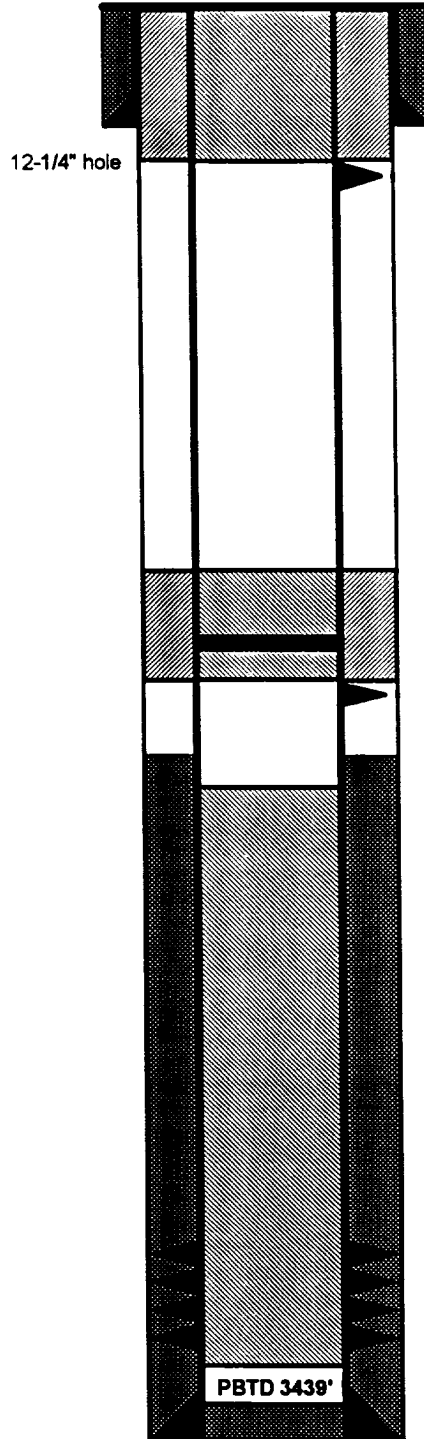
Ojo Alamo @ 1670'

Kirtland @ 1880'

Fruitland @ 2190'

Pictured Cliffs @ 2330'

Chacra @ 3200'



8-5/8" 24# Csg set @ 105'
90 sxs (Circulated to Surface)

Perforate @ 155'

Plug #3 155' - Surface
Cmt with 52 sxs Class B

Plug #2 1930' - 1620'
Cmt with 117 sxs Class B,
108 sxs under retainer
and 9 sxs above retainer.

Cmt Retainer @ 1880'

Perforate @ 1930'

TOC @ 2059' (Calc, 75%)

Plug #1 3323' - 2140'
Cmt with 44 sxs Class B,
(20% excess,
displace to 2000')

Chacra Perforations:
3210' - 3323'

2-7/8" 6.4# Casing set @ 3470'
Cmt with 250 sxs (382 cf)

6-3/4" hole

TD 3470'

PBTD 3439'