

State of New Mexico  
Energy, Minerals and Natural Resources Department

Susana Martinez  
Governor

David Martin  
Cabinet Secretary

Brett F. Woods, Ph.D.  
Deputy Cabinet Secretary

David R. Catanach, Division Director  
Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following 3160-4 or 3160-5 form.

Operator Signature Date: 4/21/15  
Well information:

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf_Owner	UL	Sec	Twp	N/S	Rng	W/E
30-039-20888-00-00	CANYON LARGO UNIT	279	BURLINGTON RESOURCES OIL & GAS COMPANY LP	G	A	Rio Arriba	F	A	14	25	N	6	W

Application Type:

- ☒ P&A    ☐ Drilling/Casing Change    ☐ Location Change  
☐ Recomplete/DHC (For hydraulic fracturing operations review EPA Underground injection control Guidance #84)  
☐ Other:

Conditions of Approval:

Pump capacity plus 100% below the cement retainer at 6532' to reach 6899'.

NMOCD Approved by Signature

5-13-15  
Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

APR 22 2015

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

SUBMIT IN TRIPLICATE - Other instructions on page 2.		5. Lease Serial No. <b>SF-078884</b>
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator <b>Burlington Resources Oil &amp; Gas Company LP</b>		7. If Unit of CA/Agreement, Name and/or No. <b>Canyon Largo Unit</b>
3a. Address <b>PO Box 4289, Farmington, NM 87499</b>		8. Well Name and No. <b>Canyon Largo Unit 279</b>
3b. Phone No. (include area code) <b>(505) 326-9700</b>		9. API Well No. <b>30-039-20888</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>Surface Unit A (NENE), 790' FNL &amp; 1140' FEL, Sec. 14, T25N, R6W</b>		10. Field and Pool or Exploratory Area <b>Basin Dakota/Otero Chacra</b>
		11. Country or Parish, State <b>Rio Arriba New Mexico</b>

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once Testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Burlington Resources requests permission to P&A the subject wellbore per the attached procedure, current & proposed wellbore schematics. The Pre-Disturbance onsite was held w/Bob Switzer on 4/15/2015. The re-vegetation plan is attached. A Closed Loop system will be utilized for this P&A.

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

OIL CONS. DIV DIST. 3

APR 29 2015

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) <b>Denise Journey</b>		Title <b>Staff Regulatory Tech</b>
Signature <i>Denise Journey</i>		Date <b>4/21/2015</b>

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by <b>Troy Solvers</b>	Title <b>PE</b>	Date <b>4/24/2015</b>
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office <b>FFO</b>	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

(Instruction on page 2)

NMOCDAV

PC

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

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APR 22 2015

SF-078884

Farmington Field Office  
Bureau of Land Management

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		9. API Well No. <b>30-039-20888</b>
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Signature		Date <b>4/21/2015</b>

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Approved by	Title	Date
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(Instruction on page 2)		

**ConocoPhillips**  
**CANYON LARGO UNIT 279**  
**Expense - P&A**

Lat 36° 24' 16.776" N

Long 107° 25' 52.86" W

**PROCEDURE**

**NOTE:** Extensive efforts to fish stuck tubing were unsuccessful due to heavy scale and obstructed tubing.

This project requires the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.

1. Hold pre-job safety meeting. Comply with all NMOCD, BLM, and COP safety and environmental regulations. Test rig anchors prior to moving in rig. **Before RU, run WL to check for and remove any downhole equipment. If an obstruction is found, set a locking-3-slip-stop in the tubing.**
2. MIRU workover rig. Check casing and bradenhead pressures and record them in WellView. **If there is pressure on the BH, contact the Wells Engineer.**
3. Remove existing piping on casing valve. RU blow lines from casing valves and begin blowing down casing pressure. Kill well as necessary. Ensure well is dead or on a vacuum.
4. ND wellhead and NU BOPE. Pressure and function test BOP to 250 psi low and 1,000 psi over SICP high to a maximum of 2,000 psi held and charted for 10 minutes per COP Well Control Manual.
7. PU 3-3/4" bit and watermelon mill and round trip as deep as possible above top of fish at 6,562'.
8. PU 4-1/2" CR on tubing, and set at 6,532'. Pressure test tubing to 1,000 psi. Sting out of CR. Load hole from CR to bottom Chacra perforation at 3,794' with +/- 44 bbl. water. POOH with tubing.
7. RU wireline and run CBL from CR to 3,794' to identify TOC. Adjust plugs as necessary for new TOC. RD wireline. *Email log copy to Troy Salyers (BLM) at [tsalyers@blm.gov](mailto:tsalyers@blm.gov) and Brandon Powell (NMOCD) at [brandon.powell@state.nm.us](mailto:brandon.powell@state.nm.us) upon completion of logging operations.*

**All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Class B mixed at 15.6 ppg with a 1.18 cf/sk yield.**

**8. Plug 1 (Dakota and Graneros Formations, and Dakota perforations, 6432-6532', 38 sacks Class B cement)**

Two part plug (TOC is at 6,499')

Part 1: Mix 3 sx Class B cement and set a balanced plug at 6,532' inside the casing. PUH to TOC at 6,499'. Reverse circulate hole clean. POOH.

Part 2: RIH and perforate 3 squeeze holes at 6,500'. Establish injection rate into squeeze holes. RIH with a 4-1/2" CR and set at 6,450'. Mix 35 sx Class B cement. Squeeze 26 sx outside the casing, leaving 9 sx inside the casing to cover the Dakota perforations, and Dakota and Graneros tops. POOH and WOC.

**9. Plug 2 (Gallup Formation, 5900-6000', 51 sacks Class B cement)**

RIH and perforate 3 squeeze holes at 6,000'. Establish injection rate into squeeze holes. RIH with a 4-1/2" CR and set at 5,950'. Mix 51 sx Class B cement. Squeeze 39 sx outside the casing, leaving 12 sx inside the casing to cover the Gallup top. POOH and WOC.

**See COA**

**10. Plug 3 (Mancos Formation, 5190-5290', 65 sacks Class B cement)**

RIH and perforate 3 squeeze holes at 5,290'. Establish injection rate into squeeze holes. RIH with a 4-1/2" CR and set at 5,240'. Mix 65 sx Class B cement. Squeeze 53 sx outside the casing, leaving 12 sx inside the casing to cover the Mancos top. POOH and WOC.

**11. Plug 4 (Mesaverde Formation, 4258-4358', 12 sacks Class B cement)**

Mix 12 sx Class B cement and spot a balanced plug inside the casing to cover the Mesaverde top. POOH and WOC.

12. PU 4-1/2" CR on tubing, and set a 3,069'. Sting out of CR. Load hole, and pressure test casing to 800 psi. *If casing does not test, spot or tag subsequent plugs as appropriate.* POOH with tubing.

13. RU wireline and run CBL with 500 psi on casing from CR to surface to identify TOC. Adjust plugs as necessary for new TOC. *Email log copy to Troy Salyers (BLM) at [tsalyers@blm.gov](mailto:tsalyers@blm.gov) and Brandon Powell (NMOCD) at [brandon.powell@state.nm.us](mailto:brandon.powell@state.nm.us) upon completion of logging operations.*

**14. Plug 5 (Chacra Formation and perforations, 2969-3069', 12 sacks Class B cement)**

Mix 12 sx Class B cement and spot a balanced plug inside the casing to cover the Chacra top and perforations. POOH.

**ConocoPhillips**  
**CANYON LARGO UNIT 279**  
Expense - P&A

Lat 36° 24' 16.776" N

Long 107° 25' 52.86" W

PROCEDURE (cont.)

**See COA**

**15. Plug 6 (Pictured Cliffs, Fruitland, Kirtland, and Ojo Alamo Formations, 2052-2755', 424 sacks Class B cement)**

RIH and perforate 3 squeeze holes at 2,755'. Establish injection rate into squeeze holes. RIH with a 4-1/2" CR and set at 2,705'. Mix 424 sx Class B cement. Squeeze 366 sx outside the casing, leaving 58 sx inside the casing to cover the Pictured Cliffs, Fruitland, Kirtland, and Ojo Alamo tops. POOH.

**See COA**

**16. Plug 7 (Nacimiento Formation, 996-1096', 65 sacks Class B cement)**

RIH and perforate 3 squeeze holes at 1,096'. Establish injection rate into squeeze holes. RIH with a 4-1/2" CR and set at 1,046'. Mix 65 sx Class B cement. Squeeze 53 sx outside the casing, leaving 12 sx inside the casing to cover the Nacimiento top. POOH.

**17. Plug 8 (Surface Plug, 0-274', 129 sacks Class B cement)**

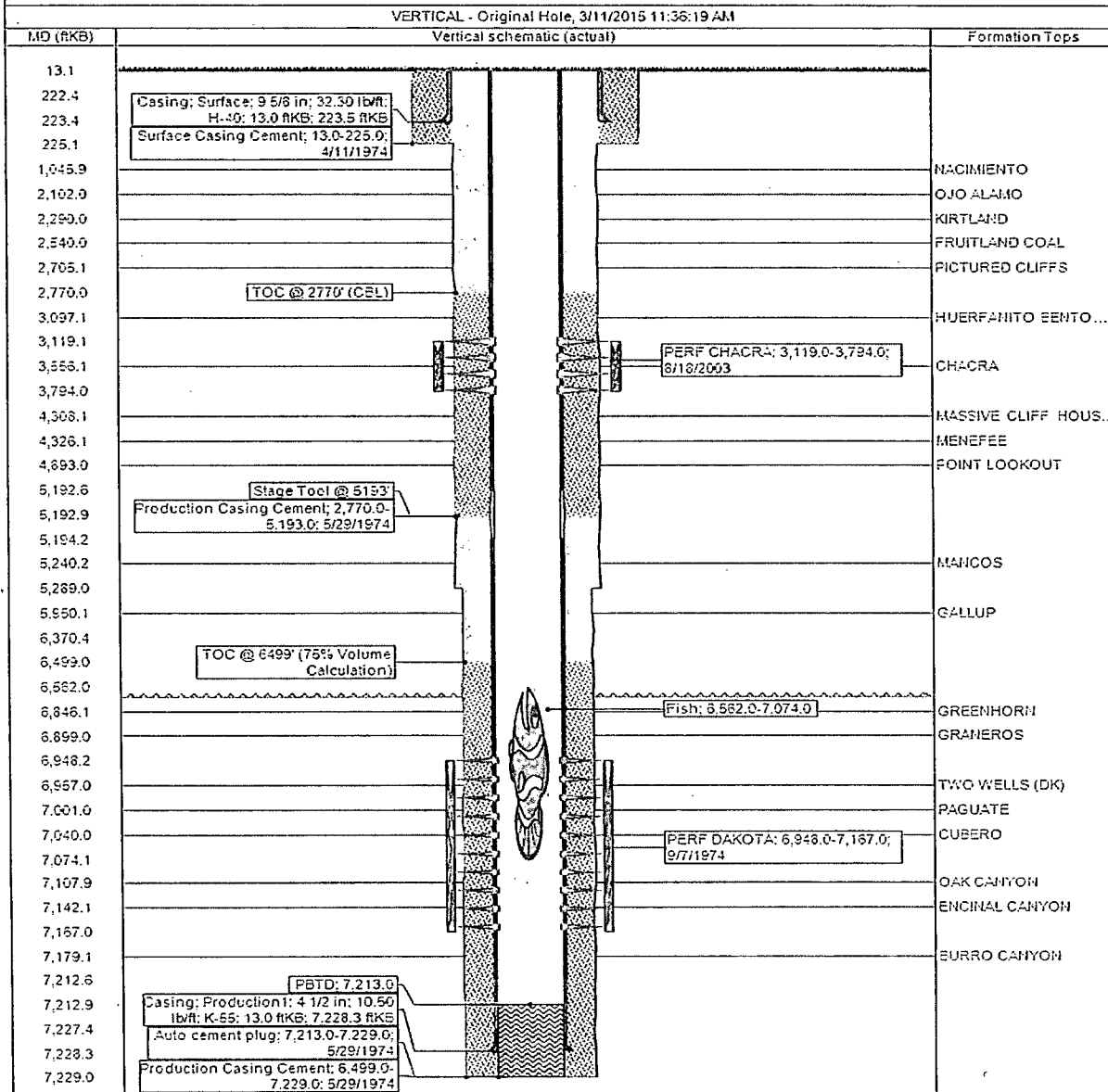
RU WL and perforate 4 big hole charge (if available) squeeze holes at 274'. TOOH and RD wireline. **Observe well for 30 minutes per BLM regulations.** RU pump, close blind rams and establish circulation out bradenhead with water. Circulate BH clean. TIH with 4-1/2" CR and set at 224'. Mix 108 sx Class B cement and squeeze until good cement returns to surface out BH valve. Shut BH valve and squeeze to max 200 psi. Sting out of CR and reverse circulate cement out of tubing. TOOH and LD stinger. TIH with open ended tubing to 224'. Mix 21 sx Class B cement and pump inside plug. TOOH and LD Tubing. SI well and WOC.

18. Nipple down BOP and cut off casing below the casing flange. Install P&A marker with cement to comply with regulations. Rig down, move off location, cut off anchors, and restore location.

# ConocoPhillips

## Schematic - Current CANYON LARGO UNIT #279

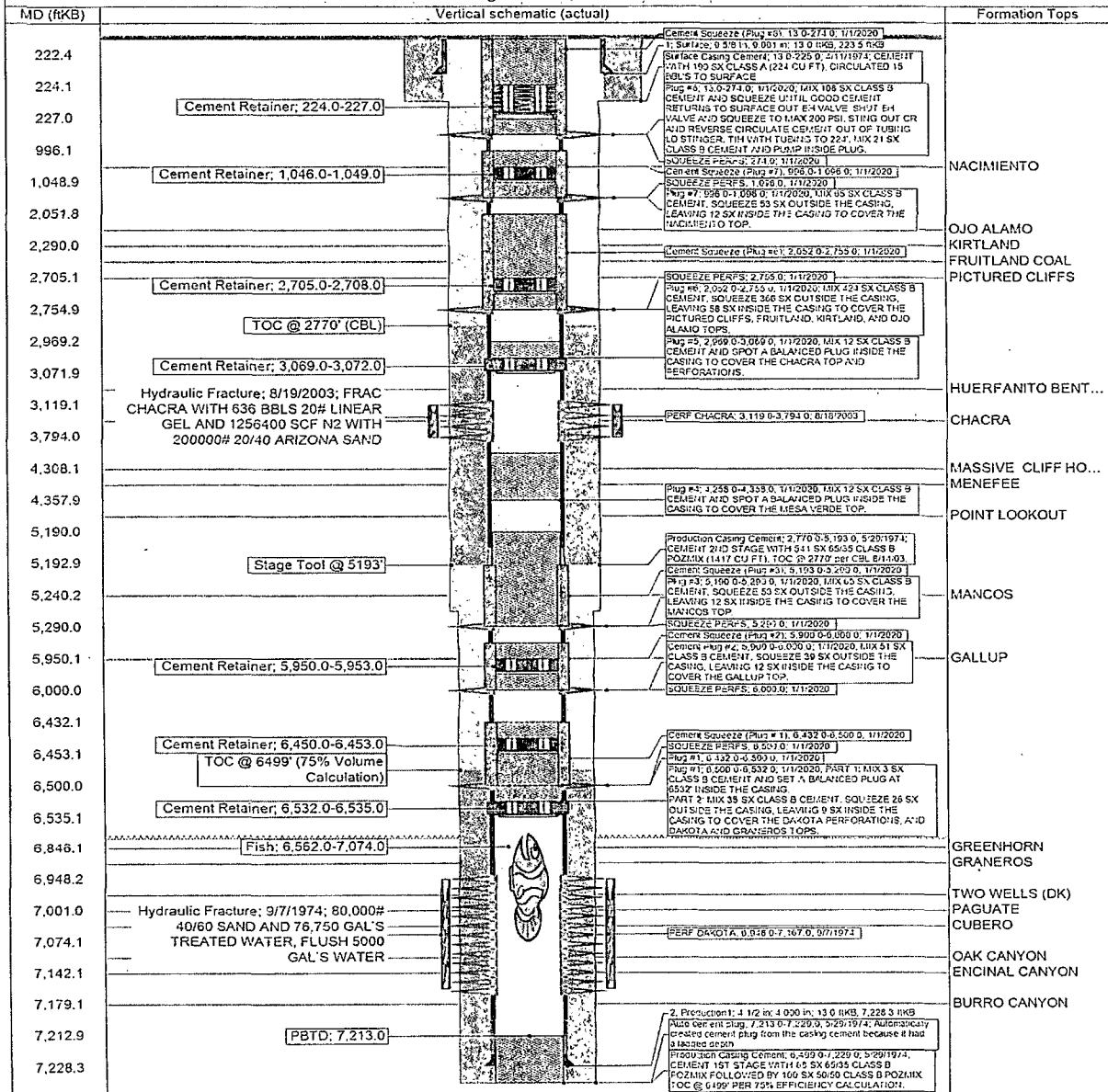
District CENTRAL	Field Name BSN DK(PRO GAS) #0068	API / UWI 3003920388	County RIO ARRIBA	State/Province NEW MEXICO
Original Spud Date 5/10/1974	Surface Legal Location 014-025N-066W-A	East/West Distance (ft) 1,140.00	East/West Reference FEL	North/South Distance (ft) 790.00
				North/South Reference FNL



## Proposed Schematic CANYON LARGO UNIT #279

District CENTRAL	Field Name BSN DK(PRO GAS) #0068	API / UWI 3003920888	County RIO ARriba	State/Province NEW MEXICO
Original Spud Date 5/10/1974	Surface Legal Location 014-025N-006W-A	East/West Distance (N) 1,140.00	East/West Reference FEL	North/South Distance (N) 790.00
				North/South Reference FNL

### VERTICAL - Original Hole, 1/1/2020 11:40:00 PM



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
FARMINGTON DISTRICT OFFICE  
6251 COLLEGE BLVD.  
FARMINGTON, NEW MEXICO 87402

Attachment to notice of  
Intention to Abandon:

Re: Permanent Abandonment  
Well: Canyon Largo Unit #279

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Leases."
2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.
3. The following modifications to your plugging program are to be made:
  - a) Bring the top of plug #3 to 5154 ft. inside/outside to cover the Mancos top. Adjust cement volume accordingly.
  - b) Bring the top of plug #6 to 1990 ft. inside/outside to cover the Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops. Adjust cement volume accordingly
  - c) Set plug #7 (685-585) ft. inside/outside to cover the Nacimiento top. BLM picks top of Nacimiento at 635 ft.

Operator will run a CBL from (6532-3794) ft. and from (3069-0) ft. to verify cement top. Submit the electronic copy of the log for verification to the following addresses: [tsalyers@blm.gov](mailto:tsalyers@blm.gov)  
[Brandon.Powell@state.nm.us](mailto:Brandon.Powell@state.nm.us)

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.