

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2014

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

5. Lease Serial No.  
**124 TR #221**

6. If Indian, Allottee, or Tribe Name  
**Jicarilla Apache Tribe**

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well  
 Oil Well     Gas Well     Other

7. If Unit or CA/Agreement Name and/or No.

2. Name of Operator  
**Enervest Operating, LLC**

8. Well Name and No.  
**Jicarilla Apache Tribal 124 #3**

3a. Address  
**1001 Fannin ST., Suite 800 Houston, TX 77002-6707**

9. API Well No.  
**30-039-22140**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1850' FEL & 1850' FSL, Se. 13, (UL J) T25N, R04W**

10. Field and Pool, or Exploratory Area  
**Ojito Gallup/Dakota**

11. County or Parish, State  
**Rio Arriba, NM**

**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 recomplate horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with the 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 recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notice must be filed only after all requirements, including reclamantion, have been completed, and the operator has determined that the site is ready for final inspection.)

**Enervest Operating, LLC proposes to plug and abandon this well.**

**P & A will commence late autumn 2015. The start and completion of this work is subject to changes due to rig availability, weather and road conditions.**

**A Closed-Loop System will be used for this operation. Attached is Procedure and Wellbore Diagram.**

**An on site inspection was conducted with Mr. Robert Switzer, BLM Environmental Protection Specialist, on September 22, 2015. See attached Reclamation Plan.**

**OIL CONS. DIV DIST. 3**

**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**

**Notify NMOCD 24 hrs prior to beginning operations**

**SEE ATTACHED FOR CONDITIONS OF APPROVAL**

**OCT 06 2015**

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)  
**Shelly Doescher**

Title  
**Regulatory Consultant**

Signature  
*Shelly Doescher*

Date  
**September 24, 2015**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by *Jack Savage*

Title **PE**

Office **FFO**

Date **10/2/15**

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.

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 any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**NMOCD**

*6*

## PLUG AND ABANDONMENT PROCEDURE

August 28, 2015

### Jicarilla Apache 124 #3

Ojito Gallup / Dakota

1850' FEL and 1850' FSL, (UL J) Section 13, T25N, R4W

Rio Arriba County, New Mexico / API 30-039-22140

Lat: N 36.3974609567682/ Lat: W -107.201172310597

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. All cement will be Class B, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1. This well requires the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.
2. Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.
3. Rods: Yes , No , Unknown .  
Tubing: Yes , No , Unknown , Size 2-3/8, Length 6666'.  
Packer: Yes , No , Unknown , Type .  
If this well has rods or a packer, then modify the work sequence in step #2 as appropriate.
4. **NOTE: BLM requires a CBL log to be run on all wells where the cement did not circulate to surface or where a T.S. or CBL log was not previously run. This procedure is prepared with the understanding that it may be modified based on the TOC from the CBL.**
5. **Plug #1 (Dakota/Gallup perforations and top, 6735' - 6635')**: Round trip gauge ring or casing scraper to 6735', or as deep as possible. RIH and set 5.5" cement retainer at 6735'. Pressure test tubing to 1000 PSI. Load casing with water and circulate well clean. Pressure test casing to 1000#. **If the casings do not test, then spot or tag subsequent plugs as appropriate.** Circulate well clean. Mix 17 sxs Class B cement inside casing from 6813' to isolate the Dakota/Gallup interval. PUH.
6. **Plug #2 (Mancos top, 6034' - 5934')**: Mix and pump 17 sxs Class B cement and spot a balanced plug inside casing to cover the Mancos top. PUH.
7. **Plug #3 (Mesaverde top, 5606' - 5506')**: Mix and pump 17 sxs Class B cement and spot a balanced plug inside casing to cover the Mesaverde top. PUH.
8. **Plug #4 (Chacra top, 4897' - 4797')**: Mix and pump 17 sxs Class B cement and spot a balanced plug inside casing to cover the Chacra top. PUH.

9. **Plug #5 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 4007' – 3416')**: Mix and pump 73 sxs Class B cement and spot a balanced plug inside casing to cover the Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops. PUH.
10. **Plug #6 (Nacimiento top, 2186' – 2086')**: Mix and pump 73 sxs Class B cement and spot a balanced plug inside casing to cover the Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops. PUH.
11. **Plug #7 (8.625" casing shoe, 359' – 0')**: Attempt to pressure test the bradenhead annulus to 300 PSI; note the volume to load. If the BH annulus holds pressure, then establish circulation out casing valve with water. Mix approximately 45 sxs cement and spot a balanced plug from 359' to surface, circulate good cement out casing valve. TOH and LD tubing. Shut well in and WOC. If the BH annulus does not test, then perforate at the appropriate depth and attempt to circulate cement to surface filling the casing from 359' and the annulus from the squeeze holes to surface. Shut in well and WOC.
12. ND cementing valves and cut off wellhead. Fill annuli with cement as necessary. Install P&A marker to comply with regulations. Record GPS coordinate for P&A marker on tower report. Photograph P&A marker in place. RD, MOL and cut off anchors. Restore location per BLM stipulations

# Jicarilla Apache 124 #3

## Current

Ojito Gallup / Dakota

1850' FEL, 850' FSL, (ULJ) Section 13, T-25-N, R-4-W

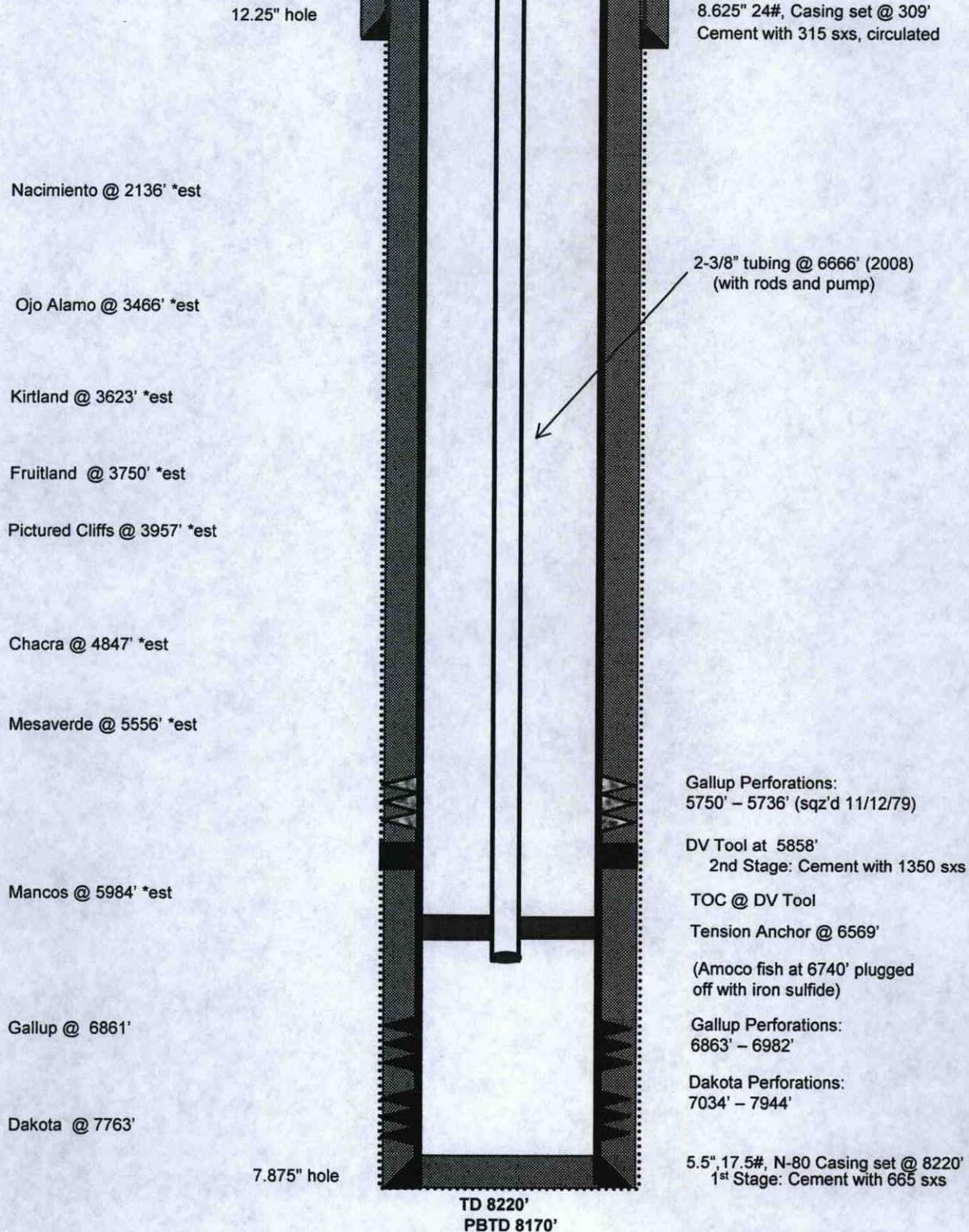
Rio Arriba County, NM, API #30-039-22140

Today's Date: 8/28/14

Spud: 9/6/79

Completed: 11/16/79

Elevation: 7088' GL



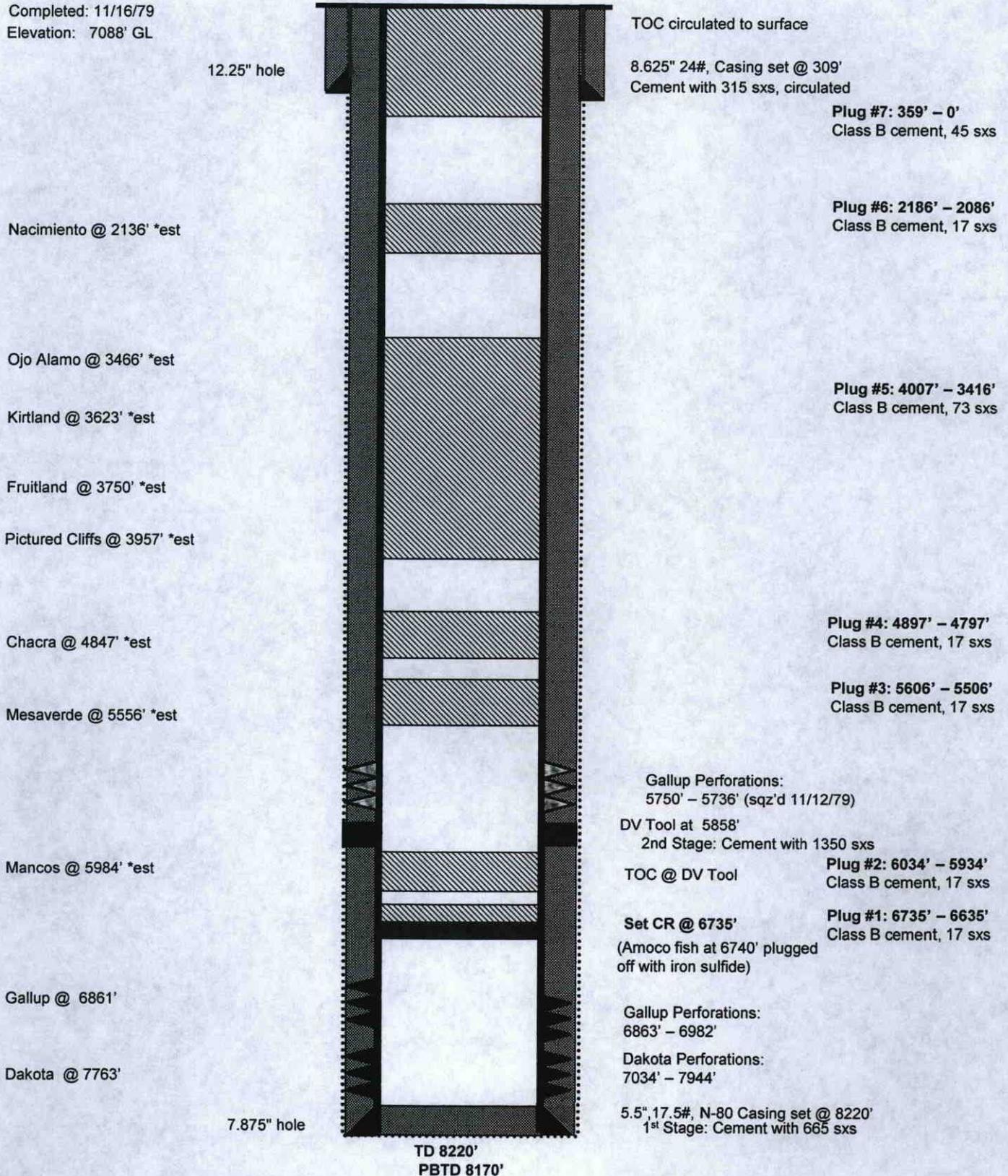
# Jicarilla Apache 124 #3

## Proposed P&A

Ojito Gallup / Dakota  
1850' FEL, 1850' FSL, (UL J) Section 13, T-25-N, R-4-W

Rio Arriba County, NM, API #30-039-22140

Today's Date: 8/28/14  
Spud: 9/6/79  
Completed: 11/16/79  
Elevation: 7088' GL



12.25" hole

TOC circulated to surface

8.625" 24#, Casing set @ 309'  
Cement with 315 sxs, circulated

**Plug #7: 359' – 0'**  
Class B cement, 45 sxs

**Plug #6: 2186' – 2086'**  
Class B cement, 17 sxs

**Plug #5: 4007' – 3416'**  
Class B cement, 73 sxs

**Plug #4: 4897' – 4797'**  
Class B cement, 17 sxs

**Plug #3: 5606' – 5506'**  
Class B cement, 17 sxs

Gallup Perforations:  
5750' – 5736' (sqz'd 11/12/79)

DV Tool at 5858'  
2nd Stage: Cement with 1350 sxs

TOC @ DV Tool  
**Plug #2: 6034' – 5934'**  
Class B cement, 17 sxs

**Set CR @ 6735'**  
(Amoco fish at 6740' plugged  
off with iron sulfide)  
**Plug #1: 6735' – 6635'**  
Class B cement, 17 sxs

Gallup Perforations:  
6863' – 6982'

Dakota Perforations:  
7034' – 7944'

5.5", 17.5#, N-80 Casing set @ 8220'  
1<sup>st</sup> Stage: Cement with 665 sxs

7.875" hole

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: Jicarilla Apache 124 #3

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
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 #1 to **6527 ft.** to cover the Gallup top. **BLM picks top of Gallup at 6577 ft.** Adjust cement volume accordingly.
  - b) Set Plug #2 (**6255-6155**) **ft.** to cover the Mancos top. **BLM picks top of Mancos at 6205 ft.**
  - c) Bring the top of plug #3 to **5161 ft.** to cover the Mesaverde top. **BLM picks top of Cliff House at 5211 ft.** Adjust cement volume accordingly.
  - d) Set Plug #5 (**3588-3043**) **ft.** to cover the Pictured Cliffs, Fruitland, Kirtland, and Ojo Alamo tops. **BLM picks top of Pictured Cliffs at 3538 ft. and top of Ojo Alamo at 3093 ft**
  - a) Set Plug #6 (**1871-1771**) **ft.** to cover the Nacimiento top. **BLM picks top of Nacimiento at 1821 ft.**

Operator will run a CBL 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.