

submitted in lieu of Form 3160-5
**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

RECEIVED

NOV 15 2010

Farmington Field Office
Bureau of Land Management

Sundry Notices and Reports on Wells

- | | |
|---|---|
| 1. Type of Well
GAS | 5. Lease Number
NM-02890 |
| 2. Name of Operator
BURLINGTON
RESOURCES OIL & GAS COMPANY LP | 6. If Indian, All. or
Tribe Name |
| 3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700 | 7. Unit Agreement Name
Huerfano Unit |
| 4. Location of Well, Footage, Sec., T, R, M

Unit D (NWNW), 800' FNL & 800' FWL, Section 30, T26N, R10W, NMPM | 8. Well Name & Number
Huerfano Unit NP 216 |
| | 9. API Well No.

30-045-20835 |
| | 10. Field and Pool
Basin Fruitland Coal |
| | 11. County and State
San Juan, NM |

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

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"/> Other -
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction	
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging	<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	

BP 13. Describe Proposed or Completed Operations

Burlington Resources requests permission to P&A the subject well per the attached procedure, current & proposed wellbore schematic.

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

Notify NMOCD 24 hrs
prior to beginning
operations

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

Signed Crystal Tafoya Crystal Tafoya Title: Staff Regulatory Technician Date 11/12/10

(This space for Federal or State Office use)

APPROVED BY [Signature] Title VE Date NOV 17 2010

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes 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.

OPERATOR

AV

ABANDONMENT PROCEDURE

October 28, 2010

Huerfano Unit NP 216 (FC/GP/DK)

Basin Fruitland Coal/Angels Peak Gallup/Basin Dakota
800' FNL and 800' FWL, Unit D Section 30, T26N, R10W
San Juan County, New Mexico / API 30-045-20835
Lat: 36° 27' 50.537" N / Long: 107° 56' 35.52" W

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 project requires a NMOCD C-144 CLEZ Closed-Loop System Permit for 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 X, No , Unknown .
Tubing: Yes X, No , Unknown Size , Length 1949'.
Packer: Yes , No X, Unknown Type .

If this well has rods or a packer, then modify the work sequence in step #2 as appropriate.

TOH and visually inspect tubing. Note: PU additional 2.375' tubing workstring to drill out existing CIBP and tag existing CIBP at 5415'. If necessary, LD tubing and PU drill string. PU and TIH with 4 3-1/2" DCs, XO and 2.375" tubing. Mill out existing CIBP at 5415' and tag existing CIBP at 6295'. Circulate well clean. POH and LD drill collars.

4. **Plug #1 (Dakota Perforations: 6195' – 6295')**: Pressure test tubing to 1000#. Load casing with water and circulate well clean. Mix 12 sxs of Class B cement and spot above existing BP at 6295' to cover Dakota perforations. TOH and LD tubing.
5. **Plug #2 (Gallup Perforations and Top: 5393' – 5266')**: RIH and set CR at 5393'. Spot 14 sxs Class B cement inside casing above CR to cover the Gallup perforations and top. TOH with tubing.

2695' 2595' 2695'
6. **Plug #3 (Mesaverde and Top: 3780' - 3680')**: Perforate 3 holes at 3780'. Establish rate into squeeze holes. RIH and set 4-1/2" CR at 3730'. Mix 51 sxs Class B cement, squeeze 39 sxs behind casing and leave 12 sxs inside casing to isolate MV and top. TOH and LD tubing.

1470'
7. **Plug #4 (Pictured Cliffs Top, Fruitland Perforations and Top: 1582' – 1482')**: RIH and set 4 1/2" BP at 1582'. Pressure test casing to 800#. If casing does not test, then spot or tag subsequent plugs as appropriate. Mix 12 sxs Class B cement and spot above BP to isolate Pictured Cliffs top, Fruitland perforations and top. TOH and LD tubing.

8. **Plug #5 (Kirtland and Ojo Alamo Tops: 916' – 718'):** Perforate 3 holes at 916'. Establish rate into squeeze holes. RIH and set 4-1/2" cement retainer at 866'. Mix 96 sxs Class B cement, squeeze 77 sxs behind casing and leave 19 sxs inside casing to cover Kirtland and Ojo Alamo top. TOH and LD tubing.
9. **Plug #6 (8-5/8" casing shoe to surface: 288' – surface):** Perforate 3 squeeze holes at 288'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix 92 sxs Class B cement, squeeze 70 sxs behind casing and leave 22 sxs inside casing. POH.
10. ND BOP and cut off wellhead below surface casing flange. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.

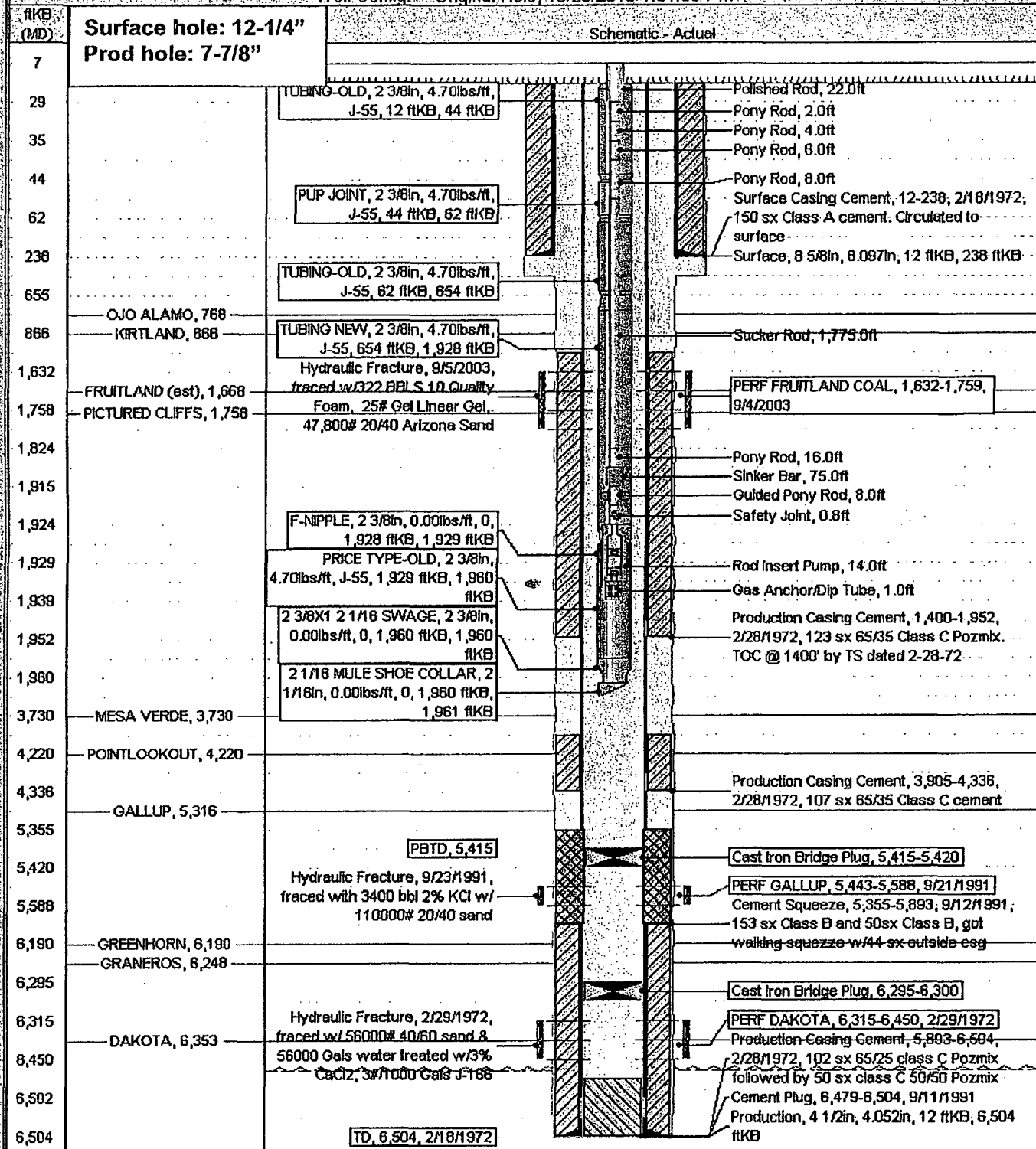
Current Schematic

ConocoPhillips

Well Name: HUERFANO UNIT NP #216

API/URN	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type	Edit
3004520835	800-W. 800th St. 3004520835	HUERFANO UNIT NP		NEW MEXICO		
Ground Elevation (ft)	Original KB/RT Elevation (ft)	KB-Original Elevation (ft)	KB-Casing Elevation (ft)	KB-Original Elevation (ft)	KB-Original Elevation (ft)	
6,455.00	6,467.00	12.00	6,467.00	6,467.00	6,467.00	

Well Config: - Original Hole, 10/28/2010 1:31:58 PM



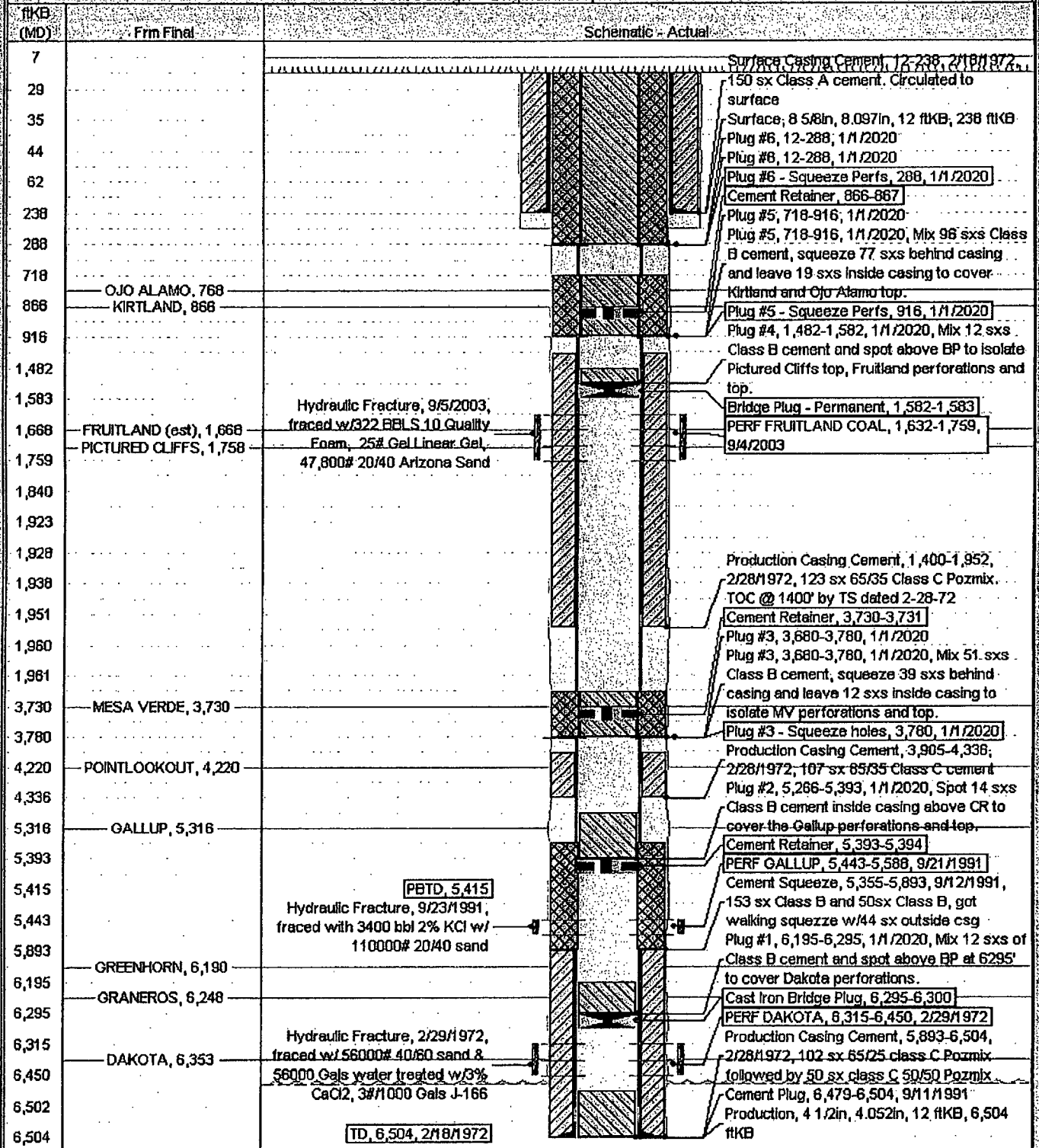
Proposed Schematic

ConocoPhillips

Well Name: HUERFANO UNIT NP #216

API / UWI	Surface Legal Location	Field Name	License No.	State / Jurisdiction	Well Configuration Type	Edit
3004520835	8700 N. 8000 W. 20026 N. 010 W	CALLEJO'S CANYON (ATYCHIA POOL)		NEW MEXICO		
Original Elevation (ft)	Original ID / RT Elevation (ft)	ID / RT / ID / RT Elevation (ft)	ID / RT / ID / RT Elevation (ft)	ID / RT / ID / RT Elevation (ft)	ID / RT / ID / RT Elevation (ft)	
6,455.00	6,467.00	12,000	6,467.00	6,467.00	6,467.00	

Well Config: Original Hole: 1/1/2020



BLM CONDITIONS OF APPROVAL

The following surface rehabilitation Conditions of Approval must be complied with as applicable, before this well can be approved for final abandonment (see 43 CFR 3162.3-4). **Surface rehabilitation work shall be completed within one year of the actual plugging date. Notification for completion of this work can be submitted with a Sundry Notice.**

1. All fences, production equipment, purchaser's equipment, concrete slabs, deadman (anchors), flowlines, risers, debris and trash must be removed from the location.
2. Production pits will be closed according to the Unlined Surface Impoundment Closure Guidelines, as approved in the Environmental Assessment of December 1993. Any oil stained soils may be remediated on-site according to these guidelines or disposed of in an approved disposal facility.
3. The well pad will be shaped to the natural terrain and left as rough as possible. All compacted areas and areas devoid of vegetation shall be ripped to a minimum of 12" before seeding.
4. Access roads will be shaped to conform to the natural terrain and left as rough as possible to detour vehicular travel. Access will be ripped to a minimum of 12" in depth and waterbarred prior to seeding. All erosion problems created by the development must be corrected prior to acceptance of release. Waterbars should be spaced as shown below:

% Slopes	Spacing Interval
Less than 20%	200'
2 to 5%	150'
6 to 9%	100'
10 to 15%	50'
Greater than 15%	30'

All water bars should divert to the downhill side of the road.

5. All disturbed areas will be seeded with the prescribed certified seed mix (reseeding may be required).
6. Notify Surfacing Managing Agency seven (7) days prior to seeding so that they may be present for that option.
7. The period of liability under the bond of record will not be terminated until the lease is inspected and the surface rehabilitation approved.

Other SMA's may vary slightly in their restoration requirements. It is your responsibility, as the operator, to obtain surface restoration requirements from other SMA's. We need to be provided with a copy of these requirements. Any problems concerning stipulations received from other SMA's should be brought to us.

On private land, we should be provided with a letter from the fee owner stating that the surface restoration is satisfactory.

**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
1235 LA PLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401**

Attachment to notice of
Intention to Abandon:

Re: Permanent Abandonment
Well: 216 Huerfano Unit

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) 599-8907.

3. The following modifications to your plugging program are to be made:

- a) Place the Mesaverde plug from 2695' – 2595' inside and outside the 4 ½" casing.
- b) Bring the top of the Pictured Cliffs/Fruitland plug to 1470'.

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.

**GENERAL REQUIREMENTS FOR
PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES
FARMINGTON FIELD OFFICE**

1.0 The approved plugging plans may contain variances from the following minimum general requirements.

1.1 Modification of the approved plugging procedure is allowed only with the prior approval of the Authorized Officer, Farmington Field Office.

1.2 Requirements may be added to address specific well conditions.

2.0 Materials used must be accurately measured. (densimeter/scales)

3.0 A tank or lined pit must be used for containment of any fluids from the wellbore during plugging operations and all pits are to be fenced with woven wire. These pits will be fenced on three sides and once the rig leaves location, the fourth side will be fenced.

3.1 Pits are not to be used for disposal of any hydrocarbons. If hydrocarbons are present in the pit, the fluids must be removed prior to filling in.

4.0 All cement plugs are to be placed through a work string. Cement may be bull-headed down the casing with prior approval. Cement caps on top of bridge plugs or cement retainers may be placed by dump bailer.

4.1 The cement shall be as specified in the approved plugging plan.

4.2 All cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100' of the casing, or annular void(s) between casings, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.3 Surface plugs may be no less than 50' in length.

4.4 All cement plugs placed to fill annular void(s) between casing and the formation shall be of sufficient volume to fill a minimum of 100' of the annular space plus 100% excess, calculated using the bit size, or 100' of annular capacity, determined from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.5 All cement plugs placed to fill an open hole shall be of sufficient volume to fill a minimum of 100' of hole, as calculated from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug. In the absence of a caliper log, an excess of 100% shall be required.

4.6 A cement bond log or other accepted cement evaluation tool is required to be run if one had not been previously run or cement circulated to surface during the original casing cementing job or subsequent cementing jobs.

5.0 All cement plugs spotted across, or above, any exposed zone(s), when; the wellbore is not full of fluid or the fluid level will not remain static, and in the case of lost circulation or partial returns during cement placement, shall be tested by tagging with the work string.

- 5.1 The top of any cement plug verified by tagging must be at or above the depth specified in the approved plan, without regard to any excess.
- 5.2 Testing will not be required for any cement plug that is mechanically contained by use of a bridge plug and/or cement retainer, if casing integrity has been established.
- 5.3 Any cement plug which is the only isolating medium, for a fresh water interval or a zone containing a prospectively valuable deposit of minerals, shall be tested by tagging.

6.0 Before setting any cement plugs the hole needs to be rolled. All wells are to be controlled by means of a fluid that is to be of a weight and consistency necessary to stabilize the wellbore. This fluid shall be left in place as filler between all plugs.

- 6.1 Drilling mud may be used as the wellbore fluid in open hole plugging operations.
- 6.2 The wellbore fluid used in cased holes shall be of sufficient weight to balance known pore pressures in all exposed formations.

7.0 A blowout preventer and related equipment (BOPE) shall be installed and tested prior to working in a wellbore with any exposed zone(s); (1) that are over pressured, (2) where the pressures are unknown, or (3) known to contain H₂S.

8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), five copies, with the Field Manager, Bureau of Land Management, 1235 La Plata Highway, Suite A, Farmington, NM 87401. The report should show the manner in which the plugging work was carried out, the extent, by depth(s), of cement plugs placed, and the size and location, by depth(s), of casing left in the well. Show date well was plugged.

9.0 All permanently abandoned wells are to be marked with a permanent monument as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10.0 If this well is located in a Specially Designated Area (SDA), compliance with the appropriate seasonal closure requirements will be necessary.

All of the above are minimum requirements. Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1. You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.