

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**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.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMSF078874
2. Name of Operator HUNTINGTON ENERGY LLC		6. If Indian, Allottee or Tribe Name
Contact: CATHERINE SMITH E-Mail: csmith@huntingtonenergy.com		7. If Unit or CA/Agreement, Name and/or No. 891001059C
3a. Address 908 NW 71ST ST OKLAHOMA CITY, OK 73116	3b. Phone No. (include area code) Ph: 405-840-9876 Ext: 129 Fx: 405-840-2011	8. Well Name and No. CANYON LARGO UNIT 128
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 6 T24N R6W SWSW 0840FSL 0840FWL 36.336365 N Lat, 107.515030 W Lon		9. API Well No. 30-039-05620-00-S1
		10. Field and Pool, or Exploratory DEVIL'S FORK
		11. County or Parish, and State RIO ARRIBA COUNTY, NM

**12. CHECK 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"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> Alter Casing
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Change Plans
	<input checked="" type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Convert to Injection
	<input type="checkbox"/> Plug Back
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input type="checkbox"/> Other
	<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 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Huntington Energy, L.L.C. respectfully requests to plug and abandon the above referenced well. The procedure to plug and abandon along with the wellbore schematic are attached. Huntington plans to plug and abandon the well in the next 45-60 days, pending partner approval.

\* Add Chacra plug from 3165 - 3065

\* RUN COL for AGENCIES REVIEW prior to perf

RCVD JAN 9 '13  
OIL CONS. DIV.  
DIST. 3

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

Electronic Submission #167967 verified by the BLM Well Information System  
For HUNTINGTON ENERGY LLC, sent to the Farmington  
Committed to AFMSS for processing by STEVE MASON on 01/07/2013 (13SXM0378SE)

Name (Printed/Typed) CATHERINE SMITH	Title REGULATORY
Signature (Electronic Submission)	Date 12/20/2012

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

Approved By <u>STEPHEN MASON</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>01/07/2013</u>
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 <u>Farmington</u>

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.

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

NMOCD IV

## PLUG AND ABANDONMENT PROCEDURE

December 20, 2012

### Canyon Largo Unit #128

Devils Fork Gallup Ext.  
840' FSL and 840' FWL, Section 6, T24N, R6W  
Rio Arriba County, New Mexico / API 30-039-05620

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 , No , Unknown   
Tubing: Yes , No , Unknown , Size 2-3/8", Length 5056'  
Packer: Yes , No , Unknown , Type \_\_\_\_\_  
If this well has rods or a packer, then modify the work sequence in step #2 as appropriate.  
Round trip 4.5" gauge ring or casing scraper to 5180' and tag existing CR or as deep as possible.

**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.**

4. **Plug #1 (Gallup interval, 5550' – 5450')**: RIH and tag existing CIBP at 5550'. Pressure test tubing to 1000 PSI. Circulate well clean. Attempt to pressure test casing to 800 PSI. If casing does not test then spot or tag subsequent plugs as appropriate. Mix 12 sxs Class B cement inside casing to cover the Gallup interval. TOH.
5. **Plug #2 (Mancos top, 4810' – 4710')**: Perforate 3 squeeze holes at 4810'. Establish rate into squeeze holes. Set 4.5" cement retainer at 4760'. Mix 51 sxs Class B cement squeeze 39 sxs outside casing and leave 12 sxs inside casing to cover Mancos top. TOH.
6. **Plug #3 (Mesaverde top, 3877' – 3777')**: Perforate 3 squeeze holes at 3877'. Establish rate into squeeze holes. Set 4.5" cement retainer at 3827'. Mix 51 sxs Class B cement squeeze 39 sxs outside casing and leave 12 sxs inside casing to cover Mesaverde top. PUH.

L349 2044

7. **Plug #4 (Pictured Cliffs and Fruitland tops, 2337' – 1955')**: Spot 33 sxs Class B and spot a balanced plug inside casing to cover the Pictured Cliffs and Fruitland tops. TOH.  
1876 1610
8. **Plug #5 (Kirtland and Ojo Alamo tops, 1930' – 1635')**: Perforate 3 squeeze holes at 1930'. Establish rate into squeeze holes. Set 4.5" cement retainer at 1880'. Mix 141 sxs Class B cement squeeze 114 sxs outside casing and leave 27 sxs inside casing to cover the Kirtland and Ojo Alamo tops. TOH and LD tubing. 1876
9. Note: if perforations are necessary below surface casing shoe, a 30 minute minimum wait is required to determine if gas and/or water flows are present. If flow is present, the well will be shut in for a minimum one hour and the pressure recorded. Short term or long term venting may be necessary to evacuate trapped gas. If only a water flow occurs with no associated gas, shut well in and record pressures. Contact the engineer as it may be necessary to change the cement weight and additives. If no gas or water flow, then proceed to Plug #6.
10. **Plug #6 (8-5/8" casing shoe, 390' - 0')**: Perforate 3 squeeze holes at 390'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix approximately 155 sxs Class B cement and pump down 4.5" casing to circulate good cement out bradenhead. Shut in well and WOC.
11. 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.

# Canyon Largo Unit #128

## Current

Devils Fork Gallup

840' FSL, 840' FWL, Section 6, T-24-N, R-6-W  
Rio Arriba County, NM, API #30-039-05620

Today's Date: 12/13/12

Spud: 5/23/83

Completed: 6/3/83

Re-Completed: 2/10/83

Elevation: 6702' GL  
6715' KB

Nacimiento @ .340' \*est

Ojo Alamo @ 1685'

Kirtland @ 1880'

Fruitland @ 2005'

Pictured Cliffs @ 2287'

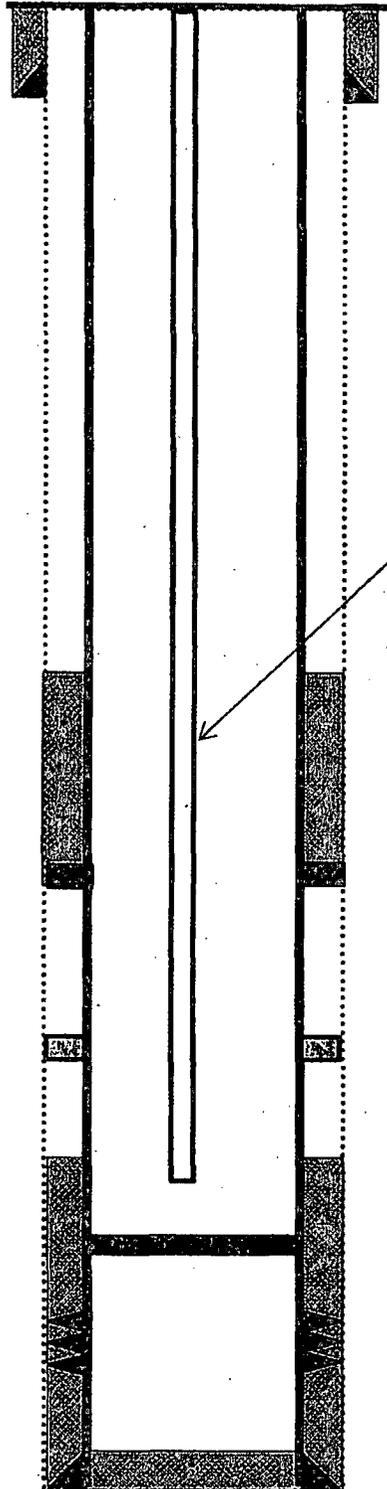
Mesaverde @ 3827'

Mancos @ 4760'

Gallup @ 5605'

12.25" hole

7.875" hole



8-5/8" 24# J-55 Casing set @ 176'  
Cement with 150 sxs, circulated

2-3/8" tubing at 5056' \*approx.

TOC @ 1900' (T.S.)

DV Tool @ 2436'  
Cement with 100 sxs (118 cf)

Hole in casing at 4200'; sqz'd  
with 50 sxs cement (1983)

TOC at 4995' (Calc, 75%)

CIBP @ 5550' (2010)

Gallup Perforations:  
5611' - 5729'

4.5", 10.5# J-55 Casing set @ 5884'  
Cement with 150 sxs (270 cf)

TD 5885'  
PBD 5755'

# Canyon Largo Unit #128

## Proposed P&A

Devils Fork Gallup

840' FSL, 840' FWL, Section 6, T-24-N, R-6-W  
Rio Arriba County, NM, API #30-039-05620

Today's Date: 12/13/12

Spud: 5/23/63

Completed: 6/3/63

Re-Completed: 2/10/83

Elevation: 6702' GL  
6715' KB

Naclimiento @ 340' \*est  
3/2

Ojo Alamo @ 1685'  
6

Kirtland @ 1880'  
26

Fruitland @ 2005'  
94

Pictured Cliffs @ 2287'  
11

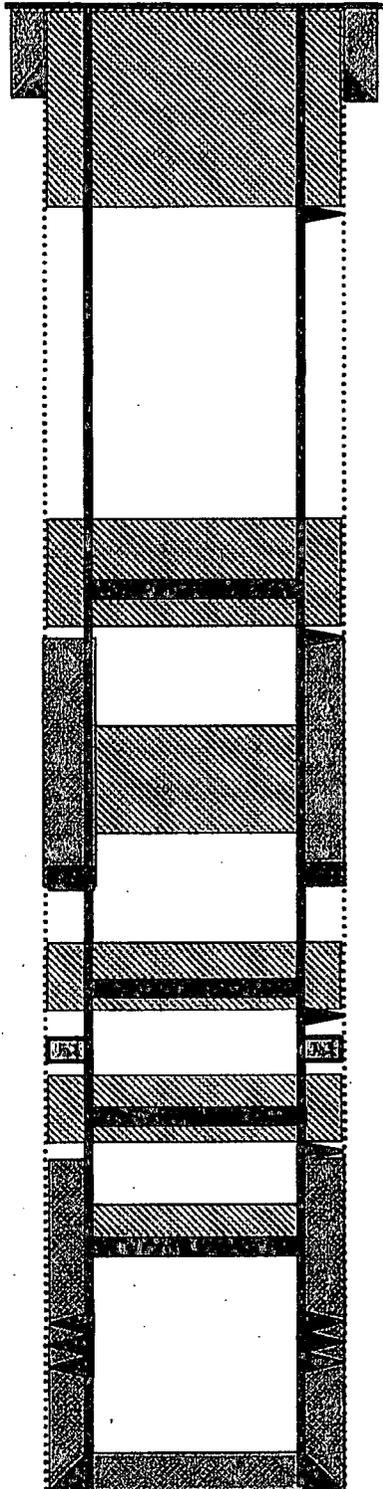
Mesaverde @ 3827'  
1

Mancos @ 4760'

Gallup @ 5605'  
1

12.25" hole

7.875" hole



8-5/8" 24# J-55 Casing set @ 176'  
Cement with 150 sxs, circulated

Plug #6: 390' - 0'  
Class B cement, 155 sxs

Perforate @ 390'

$$\begin{aligned} 390 / 0.167 (1.18) &= 30 \text{ sxs} \\ 214 / 4.399 (1.18) &= 41 \text{ sxs} \\ 176 / 4.046 (1.18) &= 37 \text{ sxs} \\ &= 108 \text{ sxs} \end{aligned}$$

1876 1610

Cement Retainer @ 1880'

Plug #5: 1930' - 1635'  
Class B cement, 141 sxs:  
27 inside and 114 outside

Perforate @ 1930'  $1876 - 1610 + 50 / 0.167 (1.18) = 24 \text{ sxs}$   
TOC @ 1900' (T.S.)  $(1876 - 1610) / 4.399 (1.18) = 103 \text{ sxs}$

2349 2044

Plug #4: 2387' - 1955'  
Class B cement, 33 sxs

$$2349 - 2044 + 50 / 0.167 (1.18) = 27 \text{ sxs}$$

DV Tool @ 2436'  
Cement with 100 sxs (118 cf)

Cement Retainer @ 3827'

Plug #3: 3877' - 3777'  
Class B cement, 51 sxs:  
12 inside and 39 outside

Perforate @ 3877'

Hole in casing at 4200'; sqz'd  
with 50 sxs cement (1983)

Cement Retainer @ 4760'

Plug #2: 4810' - 4710'  
Class B cement, 51 sxs:  
12 inside and 39 outside

Perforate @ 4810'

TOC at 4995' (Calc, 75%)

$$39 (4.399) 1.18 = 202'$$

CIBP @ 5550' (2010)

Plug #1: 5550' - 5450'  
Class B cement, 12 sxs

$$12 (1.167) 1.18 = 158'$$

Gallup Perforations:  
5611' - 5729'

4.5", 10.5#, J-55 Casing set @ 5884'  
Cement with 150 sxs (270 cf)

TD 5885'  
PBTD 5755'

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: 128 Canyon Largo 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) 564-7750.
3. The following modifications to your plugging program are to be made:
  - a) Place the Pictured Cliffs/Fruitland plug from 2349' – 2044'.
  - b) Place the Kirtland/Ojo Alamo plug from 1876' - 1610' inside and outside the 4 ½" casing.

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.