

RECEIVED

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JUN 27 2008

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*

5. Lease Serial No

NM - 012200

6. If Indian, Allottee or tribe Name

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

8. Well Name and No.

Dryden LS 1

9. API Well No

30-045-07098

10. Field and Pool, or Exploratory Area

Blanco Mesaverde &amp; Otero Chacra

11. County or Parish, State

San Juan County, New Mexico

**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

BP America Production Company Attn: Cherry Hlava

3a. Address

P.O. Box 3092 Houston, TX 77253

3b. Phone No (include area code)

281-366-4491

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1015' FSL &amp; 964' FWL Sec 28 T28N R08W

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

## TYPE OF SUBMISSION

- ☒
- Notice of Intent
- 
- ☐
- Subsequent Report
- 
- ☐
- Final Abandonment Notice

## TYPE OF ACTION

- |  |  |  |   |
|--|--|--|---|
| <input type="checkbox"/> Acidize       | <input type="checkbox"/> Deepen                      | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water shut-Off |
| <input type="checkbox"/> Alter Casing  | <input type="checkbox"/> Fracture Treat              | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction            | <input type="checkbox"/> Recomplete                | <input type="checkbox"/> Abandon        |
| <input type="checkbox"/> Change Plans  | <input checked="" type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Water Disposal            |   |
| <input type="checkbox"/> Injection     | <input type="checkbox"/> Plug Back                   | <input type="checkbox"/> Other                     |   |

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 shall 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 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.

The above mentioned well is a slimhole completion that has been producing from the MesaVerde since 1953.

BP America plans to recompleat the Dryden 1 (30-045-11881) into the Mesaverde, Chacra & Dakota to adequately drain the MV reservoir.

RCVD JUL 2 '08  
OIL CONS. DIV.  
DIST. 3

BP America has reviewed the subject well and respectfully request permission to P & A the Dryden LS 1.

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

Name (Printed/typed)

Cherry Hlava

Title

Regulatory Analyst

Date

6/26/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

JUL 02 2008

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

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.

NMOCD

## **SJ Basin Plugging Procedure**

**Well Name:** Dryden LS 1-MV      **API #:** 30-045-0709800  
**Date:** June 24, 2008  
**Repair Type:** P&A  
**Location:** T28N-R8W-Sec28M  
**Engr:** Audrey Rasmussen      ph (505) 326-9485

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**Objective:** P&A of Wellbore. Locate TOC of current cement. Ensure interval isolation throughout wellbore.

1. Set CIBP and load hole – Pressure test
2. Run CBL on 2-7/8" casing.
3. Perforate 2-7/8" casing 20' above TOC from CBL
4. Run cement retainer and squeeze 2-7/8" by 7" casing shoe.
5. Pump lower cement plug. MV
6. Free point and cut 2-7/8" casing. POOH 2-7/8" casing.
7. Run CBL on 7" casing.
8. Spot cement plug for CH interval.
9. Perforate 7" casing and squeeze 7" annular interval for FT/PC interval
10. Spot tubular FT/PC plug.
11. Tag TOC w/ WL. Perforate for Ojo Alamo annular cement squeeze.
12. Squeeze Ojo Alamo interval and set tubular plug.
13. Tag TOC w/ WL. Perforate for surface annular cement squeeze.
14. Set surface interval plug
15. Cut off wellhead – Set P&A marker.

**History:** The Dryden LS 1 has been a producing MV well since 1953. It is a slimhole completion that was identified in 2007 as requiring a bradenhead repair. Because of the slimhole completion in this well bore, the well is unable to access the full MV reserves. Also, there are concerns with the chances of success for the bradenhead repair on the 2-7/8" casing string. We would like to P&A the Dryden LS 1 and plan to add the MV to the existing Dryden 1 well which has a more optimal completion. The approvals for the Dryden 1 will begin immediately after the P&A.

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**Pertinent Information:** Gas BTU content for this well is 1306, test taken 7/4/2007; Sp gr. is 0.756. Venting and Flaring document needs to be followed if BTU content is above 950.

## Procedure:

1. Contact BLM and NMOCD 24hrs before beginning P&A process to ensure scheduling of personnel to witness CBL results and cement placement. **Henry Villeneuve @ (505) 334-6178 EXT. 17 or Charlie Perrin (EXT. 16) BLM contact (505) 599-8907.**
2. Perform pre-rig site inspection. Check for: size of location, Gas Taps, other wells, other operators, running equipment, wetlands, wash (dikes req.), H2S, barriers needed for equipment, Landowner issues, location of pits (buried lines in pits), Raptor nesting, critical location, check anchors. Check ID wellhead; if earth pit is required have One Call made 48 hours prior to digging.
3. Perform second site visit after lines are marked to ensure all lines clear marked pit locations. Planning and scheduling to ready location for rig.
4. RU Slickline unit or Wireline unit. Pressure test lubricator and equipment. RIH and set **two** barriers (CIBP, tbg collar stop w/plug, or plug set in nipple) for isolation in the 1.25" tubing string.
5. Check and record casing, intermediate casing, and bradenhead pressures. Ensure production casing has double casing valves installed. Double valve all casing strings.
6. MIRU workover rig. LOTO all necessary equipment including but not limited to: meter run, automation, separator, and water line.
7. Blow down well. Kill with 2% KCL water ONLY if necessary.
8. Check all casing strings to ensure no pressure exist on any annulus. **The operations of removal of wellhead and installation of BOP's will be performed under a dispensation for one (1) barrier on the backside.**
9. Nipple down wellhead. NU BOPs and diversion spool with 3" outlets and 3" pipe to the blow tank. Pressure test BOPs to 750 psig (expected bottom hole pressure is 550 psig). This is a P&A so the well should be kept dead throughout the process.
10. Pull tubing hanger and shut pipe rams and install stripping rubber. Strip 1.25" tubing hanger out of hole.
11. TOOH w/ 1-1/4" production tubing currently set @ 4403'.
12. RIH w/ CIBP and set 50' above MV perforations (4350'). Pressure test bridge plug by loading hole w/ fluid then role hole. POOH w/ workstring.
13. RU WL and run CBL to check TOC behind the 2-7/8" casing (Top expected at 3840' based on 1965 temperature survey) Review results with agency reps and engineer.
14. Based on 2-7/8" CBL result it will be determined if and where cement will be required behind casing to cover the 7" casing shoe. The next steps listed below assume the TOC

behind the 2-7/8" casing is at the temperature survey depth 3840'. The order and detail of the next steps could change based on the CBL results.

15. RIH with 1-1/4" workstring to 4350'. Spot 460' (**14.9 ft<sup>3</sup>**) of G-Class cement on top of CIBP from 3890'-4350'. DO NOT overmix, DO NOT overflush, DO NOT overpump. May have to WOC. Tag TOC at 3890'.
16. RU Perforators and RIH to 20' above CBL cement top ~ 3820' and perforate 2-7/8" casing.
17. RIH with wireline and set 2-7/8" cement retainer to 20' above perforated interval at 3800'. RD WL.
18. Pump and displace **56.9 cu. ft.** of G-Class cement below retainer – this will add a minimum of 305' of cement behind the 2-7/8" to cover the 7" casing shoe plus additional volume to pump cement in 2-7/8" casing between retainer and cement top. NOTE: DO NOT circulate cement to surface behind 2-7/8" casing and DO NOT pump more cement than specified as this could cement off the 2-7/8" by 7".
19. Sting out of cement retainer and spot a 270' (**8.78 ft<sup>3</sup>**) plug from 3800' to 3530'. This will isolate the MV interval inside the 2-7/8" casing.
20. RU WL with chemical casing cutting tools and tag top of cement at 3530'. Determine 2-7/8" casing free point and cut 2-7/8" casing 50' above free point depth. Set dual downhole barriers in 2-7/8" casing above cut depth. RD WL.
21. ND BOP and Wellhead. Spear and latch onto 2-7/8" casing and pull slips.
22. NU Wellhead and BOP. POOH and LD 2-7/8" casing from wellbore.  
→ place a 60' plug across the 2 7/8" casing stub.
23. RU WL and run CBL on 7" casing from top of 2-7/8" stub-up to surface. Report TOC back to BLM, NMOCD, and Engineer. Temperature survey completed in 1953 shows TOC @ 1860'.
24. Based on 7" CBL result it will be determined if and where cement will be required behind casing. The next steps listed below assume the TOC behind the 7" casing is at the temperature survey depth 1860'. The order and detail of the next steps could change based on the CBL results.
25. PU with workstring to 3146' and spot a 200' (**45.5 ft<sup>3</sup>**) of G-Class cement from 3146'-2946'. This will isolate the Chacra interval inside the 7" casing.
26. PU with workstring to <sup>2167</sup>~~2129~~ and spot a 200' (**45.5 ft<sup>3</sup>**) of G-Class cement from <sup>2167</sup>~~2129~~-<sub>1967</sub>~~1929~~'. This will isolate the PC interval inside the 7" casing.
27. RU Perforators and PU to 20' above TOC behind 7" casing (1840') and perforate 7" casing.
28. RIH with 7" cement retainer to 50' above perforated interval at 1790'. RD WL.

29. RIH with 2-3/8" work string and sting into retainer at 1790'. Circulate cement behind the 7" casing by opening the bradenhead valve and walking the circulating pressure up. If circulation is not obtained on bradenhead, shut bradenhead valve and circulate up intermediate. Estimate **277 ft<sup>3</sup>** of cement needed to fill annular volume. This will put cement all the way to surface behind the 7" casing. TOH with packer
30. PU of cement retainer and spot a 200' (**45.5 ft<sup>3</sup>**) plug from 1790' to 1590'. This will isolate the FT intervals inside the 7" casing. TOH.
31. RU WL tag TOC at 1590'. *157 1089*
32. Spot a 200' (**45.5 ft<sup>3</sup>**) plug from ~~1230'~~ *157* to ~~1030'~~ *1089*. This will isolate the Ojo Alamo interval inside the 7" casing. TOH.
33. RIH open-ended to 223' and spot a cement plug to surface (**50.6 ft<sup>3</sup>**). TOH.
34. ND BOP. Perform underground disturbance and hot work permits. Cut off tree.
35. Install 4' well marker and identification plate per NMOCD requirements. *Blm*
36. RD and release all equipment. Remove all LOTO equipment.

**Current Wellbore Schematic:**

**Dryden LS 1**

Sec 28, T28N, R8W

API # 30-045-07098

GL: 5812'

History:

Completed OH in 3/53

2-7/8" run in 9/65

10/1968 - ran 1.25" coiled tubing

Formation Tops:

Ojo Alamo: 1180'

Kirtland: 1307'

Fruitland: 1853'

PC: 2079'

Lewis: 2238'

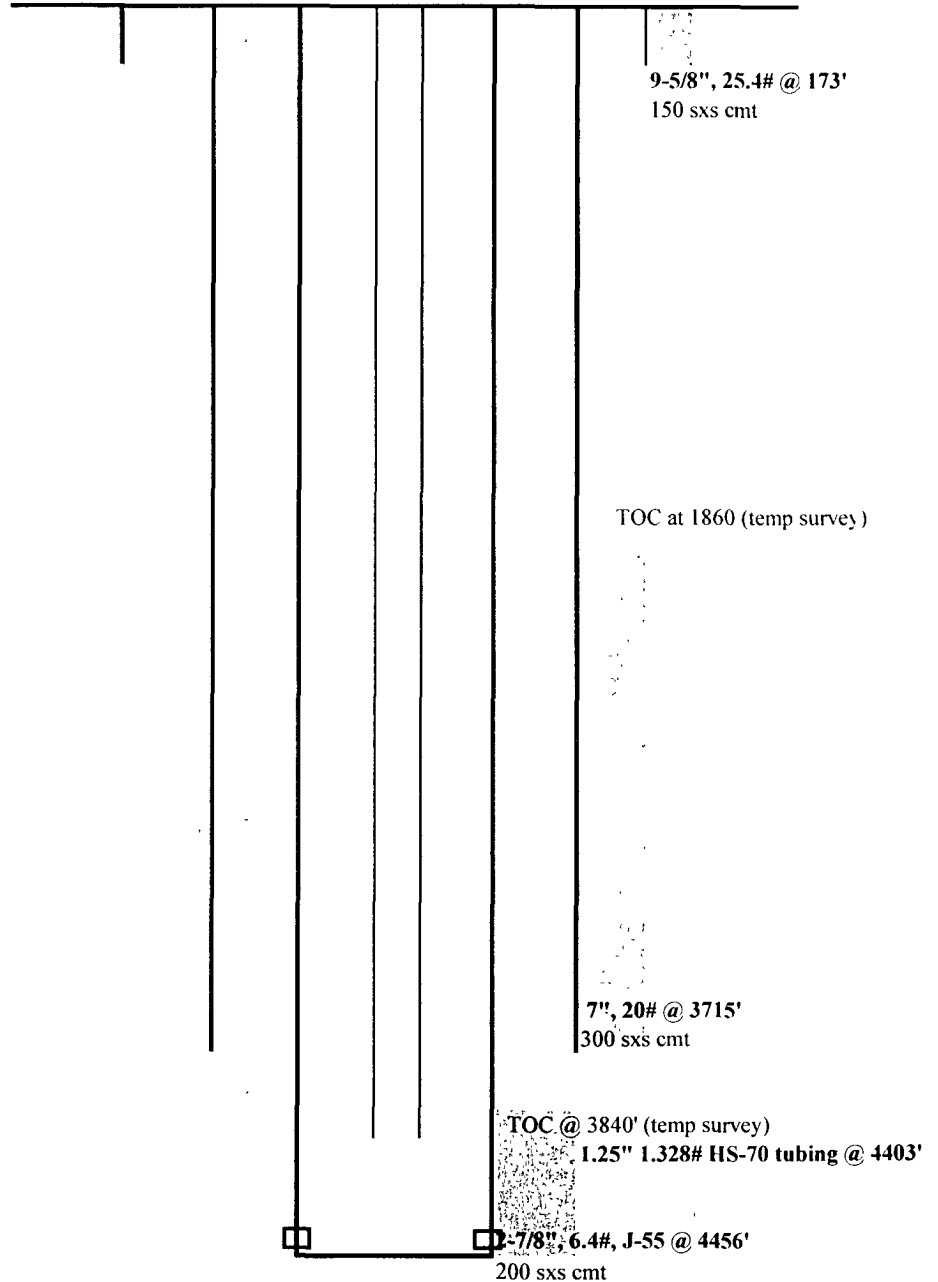
Chacra: 3096'

Cliffhouse -E: 3679'

Point lookout: 4381'

Mesaverde Perforations

4402' - 4418' w/ 20,000 #'s sand



PBTD: 4429'

TD: 4662'

updated: 6/25/08 AR

**Proposed Wellbore Schematic:**

**Dryden LS 1**

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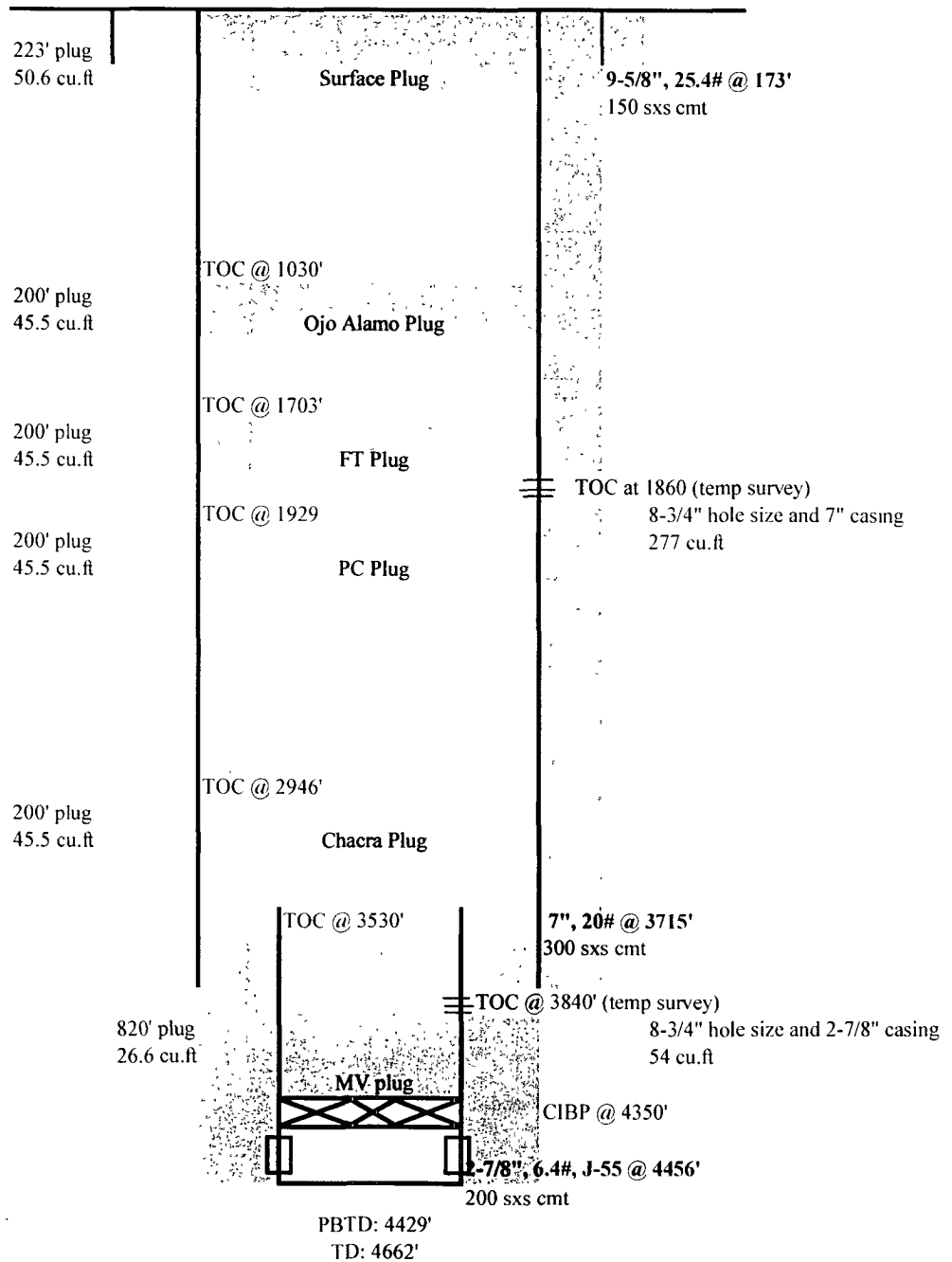
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Cliffhouse -E: 3679'

Point lookout: 4381'

**Mesaverde Perforations**

4402' - 4418' w/ 20,000 #'s sand



updated: 6/25/08 AR

**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: 1 Dryden LS

**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 a cement plug across the 2 7/8" casing stub.
  - b) Place the Pictured Cliffs plug from 2167' – 1967'.
  - c) Place the Kirtland/Ojo Alamo plug from 1357' – 1089'.

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.