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submitted in lieu of Form 3160-5

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Sundry Notices and Reports on Wells

Farmington Field Office  
Bureau of Land Management

1. <b>Type of Well</b> Oil	5. <b>Lease Number</b> Jicarilla Con 10
2. <b>Name of Operator</b> BWP c/o Soroco Well Service, Inc.	6. <b>If Indian, All. or Tribe Name</b> Jicarilla
3. <b>Address &amp; Phone No. of Operator</b>  P.O. Box 27, Bloomfield, NM 87413	7. <b>Unit Agreement Name</b>
<b>Location of Well, Footage, Sec., T, R, M</b>  660' FSL & 660' FWL, Section 33, T-25-N, R-5-W	8. <b>Well Name &amp; Number</b> Jicarilla 10 #1
	9. <b>API Well No.</b> 30-039-05702
	10. <b>Field and Pool</b> Otero Gallup
	11. <b>County &amp; State</b> Rio Arriba County, NM

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

Type of Submission

Type of Action

<input type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back	<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
	<input type="checkbox"/> Other -	

13. Describe Proposed or Completed Operations

Soroco Well Service, Inc. plugged and abandoned this well on August 26, 2010, per the attached report.

RCVD SEP 24 '10  
OIL CONS. DIV.

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

DIST. 3

Signed William F. Clark Title Contractor Date 9/10/10  
William F. Clark

(This space for Federal or State Office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly 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

SEP 22 2010

FARMINGTON FIELD OFFICE

## A-PLUS WELL SERVICE, INC.

P.O. BOX 1979

Farmington, New Mexico 87499

505-325-2627 \* fax: 505-325-1211

BWP c/o Soroco Well Service, Inc.  
**Jicarilla 10 #1**

August 26, 2010  
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660' FSL & 660' FWL, Section 33, T-25-N, R-5-W  
Rio Arriba Country, NM  
Lease Number: Jicarilla Contract #10  
API#30-039-05702

### Plug and Abandonment Report

Notified Jicarilla BLM on 8/16/10

#### Plugging Summary:

08/16/10 MOL. Dig out bradenhead; no valve. Check well pressures: tubing 500 PSI, casing 45 PSI. Blow well down. RU rig and equipment. ND wellhead. NU BOP and test. TOH with 189 joints 2.375" tubing with SN and cement retainer stinger on end of tubing. Total tally 5705' KB. SI well and SDFD due to wet weather.

08/17/10 Open up well; no pressures. TIH and tag existing CR at 5705'. Establish circulation with 16.5 bbls of water. Pump total 132 bbls of water to circulate well clean. Attempt to pressure test casing to 800 PSI; leak - bled down to 500 PSI in 1 minute and 0 PSI in 5 minutes.

**Plug #1** with existing CR at 5705', spot 20 sxs Class B cement (23.6 cf) inside 5.5" casing above CR from 5705' to 5525' to isolate the Gallup perforations.

TOH with tubing. WOC. RU BlueJet wireline and run CBL. Found TOC at 2510'. Steve Mason, BLM, approved procedure changes based on CBL log. Attempt to pressure casing; same leak. RIH with wireline and tag cement at 5520'. Perforate 3 squeeze holes at 4292'. SI well. SDFD.

08/18/10 Open up well; no pressures. Connect cement pump truck line to sales line. Purge well's flow line with 5.5 bbls of fresh water to tank. Then mix and pump 28 sxs cement to fill the flow line with cement to separator riser. Plugging plan change - the operator wants cut and recover the 5.5" casing..

08/19/10 Check well pressure: tubing 100 PSI; casing and bradenhead 0 PSI. PU 5.5" watermelon mill and round trip to 4276'. No tight spots. RIH and set 5.5" DHS cement retainer at 4247'. Pressure test tubing to 1100 PSI, held OK. Sting out of CR. Establish circulation to surface with 7 bbls of water. Attempt to pressure test 5.5" casing to 500 PSI; leak - bled down to 250 PSI in 2 minutes. Sting into CR and establish injection rate 1.5 bpm at 500 PSI. **Plug #2** with CR at 4247', mix and pump 48 sxs Class B cement (56.6 cf), squeeze 27 sxs below CR then pressured up to 1000 PSI. Sting out of CR and spot 21 sxs above CR up to 4085' to cover the Mesaverde top. TOH and LD tubing. SI well. SDFD.

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### Plugging Summary Continued:

08/20/10 Open up well; no pressures. Attempt to pressure test casing to 500 PSI; no test. RIH with wireline and tag cement at 3997'. Perforate 3 squeeze holes at 3584'. PU 5.5" DHS cement retainer and RIH; set at 3531'. Sting out of CR. Attempt to pressure test casing; same leak.

**Plug #3** with CR at 3584', mix and pump 48 sxs Class B cement (56.6 cf), squeeze 31 sxs below CR and leave 17 sxs above to 3378' to cover the Chacra top.

TOH and WOC. TIH and tag cement at 3305'.

**Plug #4** spot 22 sxs Class B cement (25.96 cf) inside casing from 2755' to 2550' to cover the Pictured Cliffs top. LD 7 joints tubing and reverse circulate with 15 bbls of water at 2545'. LD tubing. SI well. SDFD.

08/23/10 Open up well; no pressures. Attempt to pressure test casing; leak 1 bpm at 800 PSI. Pump 30 bbls of water down the casing with light blow out bradenhead. Attempt to pressure test bradenhead with 10 bbls of water at 1/2 bpm at 300 PSI; no test. RD work floor. Remove casing head and ND BOP. Issue Hot Work Permit. Weld on slip collar to 5.5" stub. Attempt to stretch casing pulling up to 80-85K; could not un-seat the casing slips. RIH with collar locator and sinker bar; tag cement at 2581'. RIH with 5.5" casing cutter; cut casing at 2500'. Attempt to unseat donut and slips pulling up to 100K; no movement. Jar, soak and hammer on casing slips; no movement. Shot a wellhead "rattleshot" wellhead while pulling 100K; no slip movement. Pull up to 115K; casing moved 2.5" but slips fell down. Cut off welded on top ring. Work out slips segment until all assembly removed. Work casing for stretch. Calculate 4.5" stretch at 76K over string weight from 2500'. Estimate pipe free at approximately 850'. NU BOP and casing head. SI well. SDFD.

08/24/10 Open up well; no pressures. PU and TIH with 5.5" DHS cement retainer; set at 2452'. Establish injection rate below CR 1 bpm at 1000 PSI pumping 2 bbls of water at 1 bpm at 750 PSI.

**Plug #5** with CR at 2452', spot 137 sxs Class B cement (161.66 cf), squeeze 98 sxs below CR and leave 39 sxs above to 2100' cover the Fruitland, Kirtland and Ojo Alamo tops.

LD 12 joints and clear tubing at 2070'. TOH with tubing and WOC.

RIH with collar locator and sinker bar; tag cement at 2088'. POH. RIH with 5.5" jet cutter; cut casing at 868' with 50K pulled on casing; no movement.

Jar casing with pull attempts to 80K. Will not come free. Operator representative recommended to stop attempts to pull casing. PU 5.5" cement retainer and one joint of tubing; set screw in CR failed. SI well. SDFD.

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### Plugging Summary Continued:

- 08/25/10 Open up well; no pressures. RIH with 5.5" cement retainer and set at 816'. Sting out of CR. Establish circulation down tubing and out casing with 6.5 bbls of water. Sting into CR. Establish injection rate 1 bpm at 750 PSI. **Plug #6** with CR at 816', spot 48 sxs Class B cement (56.64 cf), squeeze 36 sxs below and leave 12 sxs above to 708' to cover the Nacimiento top. TOH and WOC. RIH with wireline and tag cement at 716'. Perforate 3 squeeze holes at 217'. Establish circulation down casing and out bradenhead with 3 bbls of water; pump total 5 bbls. **Plug #7** mix and pump 97 sxs Class B cement (114.5 cf) down 5.5" casing from 217' to surface, circulate 2 sxs cement to pit. Clean out BOP and cement equipment. SI well. SDFD.
- 08/26/10 Open up well; no pressures. TIH and tag cement at 208'. Establish circulation with ¼ bbl of water. **Plug #7a** mix and pump 32 sxs Class B cement (37.76 cf) down 5.5" casing from 208' to surface, circulate 8 sxs to pit. ND BOP. Dig out cellar. Issue hot work permit. Cut off wellhead. Found cement down 6' in annulus and 10' in 5.5" casing. **Plug #8** mix and pump 15 sxs Class B cement and install P&A marker. RD and MOL.

Bryce Hammond, Jicarilla BLM representative, was on location.