

# A - PLUS WELL SERVICE, INC.

P.O. BOX 1979  
FARMINGTON, NM 87499  
505-325-2627 • FAX: 505-325-1211

# COPY

October 31, 2000

Oil Conservation Division  
State of New Mexico  
1000 Rio Brazos Road  
Aztec, NM 87410

Attn: Charlie Perrin



**INVOICE #2207**

Rig #6

For plug and abandonment of the two wells described hereafter, done under NMOCD  
**Contract Number - 01-521.25-072**

**Santa Fe Barbs #1**, an injection well located in Unit M, Section 10,  
**Santa Fe Leggs #1**, an Entrada well located in Unit O, Section 11,  
both wells are in T-21N-10-W, San Juan County, NM.

## Cost Summary:

### **Santa Fe Barbs #1**

Price per Contract	\$ 18,479.67
Cement: Bid 289 sxs cement, used 374 sxs cement; Extra 85 sxs x \$10.20 = \$867.00	N/C
TOTAL	\$ 18,479.67
TAX @ 6.0625%	\$ 1,120.33

**SUB-TOTAL**

**\$ 19,600.00**

### **Santa Fe Leggs #1**

Price per Contract	\$ 19,761.94
Cement: Bid 250 sxs cement, used 312 sxs cement; Extra 62 sxs x \$10.20 = \$632.40	N/C
TOTAL	\$ 19,761.94
TAX @ 6.0625%	\$ 1,198.06

**SUB-TOTAL**

**\$ 20,960.00**

THANK YOU

**GRAND TOTAL DUE**

**\$ 40,560.00**

*OK for Payment  
Charlie Perrin  
11-13-00*





# **A-PLUS WELL SERVICE, INC.**

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APA Development Co.

October 27, 2000

## **Santa Fe Barbs #1**

Page 1 of 1

990' FSL and 500' FWL, Section 10, T-21-N, R-10-W

San Juan County, NM

Fee Lease, API No. 30-045-23227

## **Plug & Abandonment Report**

### **Cementing Summary:**

**Plug #1** with 76 sxs Class B cement inside the casing from 5440' to 5044' to fill the Entrada perforations and cover top.

**Plug #2** with 91 sxs Class B cement inside casing from 4615' to 4143' to cover Dakota interval.

**Plug #3** with 40 sxs Class B cement inside casing from 3305' to 3097' pre procedure.

**Plug #4** with 39 sxs Class B cement inside casing from 3052' to 2847' to cover Gallup top.

**Plug #5** with 45 sxs Class B cement inside casing from 1274' to 1040' pre procedure.

**Plug #6** with 59 sxs Class B cement inside casing from 288' to surface, circulate good cement out casing.

### **Plugging Summary:**

**10-18-00** Road rig and equipment to location; spot rig in. SDFD.

**10-19-00** Safety Meeting. RU rig and equipment. ND wellhead and layout relief lines to pit. Open up well, no pressures. Change out pipe rams on BOP for 3-1/2" tubing. Work tubing free from tubing head. NU BOP and test. PU on tubing and work packer free. TOH and LD 69 joints 3-1/2" tubing. Shut in well and SDFD.

**10-20-00** Safety Meeting. Open up well and continue to TOH and LD 41 joints 3-1/2' tubing. Change out floats and LD 61 joints with packer. Total 171 joints, 5442'. Change over for 2-3/8" tubing. Tally and pick up A-Plus 2-3/8" tubing workstring. TIH and tag at 5440', unable to go deeper. H. Villanueva approved procedure change. Pump 20 bbls water down tubing to circulate well clean. Plug #1 with 76 sxs Class B cement inside the casing from 5440' to 5044' to fill the Entrada perforations and cover top. PUH and WOC. Shut in well and SDFD.

**10-23-00** Safety Meeting. Open up well, no pressure. TIH and tag cement at 5102'. Pressure test casing to 500# for 15 min, held OK. Bleed pressure off. PUH to 4615'. Plug #2 with 91 sxs Class B cement inside casing from 4615' to 4143' to cover Dakota interval. PUH to 3305'. Plug #3 with 40 sxs Class B cement inside casing from 3305' to 3097' pre procedure. PUH 3052'. Plug #4 with 39 sxs Class B cement inside casing from 3052' to 2847' to cover Gallup top. PUH to 1274'. Plug #5 with 45 sxs Class B cement inside casing from 1274' to 1040' to cover the MV top. PUH to 288'. Plug #6 with 59 sxs Class B cement inside casing from 288' to surface, circulate good cement out casing. TOH and LD tubing. ND BOP. Dig out and cut off wellhead. Found cement down 20' in 7" casing and down 10' in 9-5/8" casing. Mix 24 sxs Class B cement to fill casing and annulus, then install P&A marker. SDFD. H. Villanueva, NMOCD, was on location.

**10-26-00** Safety Meeting. RD and MOL.



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505-325-2627 • FAX (505) 325-1211

Rig No #6

Date 10/19/00

Well No # 1 Location SANTA FE BARBS Company APA DEVELOPMENT (NMOLD)

[illegible]

Fuel & Motor Oil \_\_\_\_\_ Water Hauled \_\_\_\_\_  
Rental Equipment \_\_\_\_\_ Cement Retainers \_\_\_\_\_  
Cementing \_\_\_\_\_  
Wireline \_\_\_\_\_

CREW	NAME	UNIT #	MILEAGE	HOURS
Supervisor	MIKE HIGDON	#19		
Operator	ROBERT VELASQUEZ	#20		12 1/2
Helper	JASON NORTH			12 1/2
Helper	DALE FLORES			12 1/2
Helper	ALVARO RAMERIZ			12 1/2

Date 10/19/00

## A - PLUS WELL SERVICE

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505-325-2627 • FAX (505) 325-1211

Rig No 46

Date 10/20/00

Well No # 1 Location SANTA FE BARBS Company APA DEVELOPMENT (NMOLO)

[illegible]

Fuel & Motor Oil \_\_\_\_\_ Water Hauled \_\_\_\_\_

Rental Equipment \_\_\_\_\_ Cement Retainers \_\_\_\_\_

Cementing PLUG #1 5440-5044/76 SXS

Wireline \_\_\_\_\_

CREW	NAME	UNIT #	MILEAGE	HOURS
Supervisor	MIKE HIGDON	#19		
Operator	ROBERT VELASQUEZ	#20		13½
Helper	JASON NORTH			13½
Helper	DALET FLORES			13½
Helper	ALVARO RAMERIZ			13½

Date 10/20/00

## Daily Report

## A - PLUS WELL SERVICE

16796

P.O. BOX 1979 • FARMINGTON, NM 87499  
505-325-2627 • FAX (505) 325-1211Rig No #6Date 10/23/00Well No #1Location SANTA FE BARBSCompany APA DEVELOPMENT INC (NMOCD)

FROM	TO	DESCRIPTION OF OPERATION
5:30	6:00	LOAD RIG SUPPLIES
6:00	7:30	TRAVEL TO LOCATION
7:30	8:00	START RIG + EQUIPMENT HELD SAFETY MEETING. (CUTTING OFF WELLHEAD)
8:00		OPEN UP WELL (0 PSI) T1H/24 JTS. PICK UP 2 JTS. TAG
		TOC @ 5102'. LAY DOWN 1 JT. LOAD CSG/4 BBLs
		PRESSURE TEST CSG TO 500 PSI. HELD PRESSURE FOR 15 MIN.
	9:30	NO PRESSURE LOSS. BLED PRESSURE OFF
9:30	10:00	LAY DOWN 14 JTS 145 JTS IN HOLE EOT @ 4615'
10:00		LOAD CSG/2 1/2 BBLs. PLUG #2 MIX AND PUMP 91 SXS FROM 4615' TO
	10:45	TOC @ 4143' DISPLACE.
10:45	11:15	LAY DOWN 41 JTS 104 JTS IN HOLE EOT @ 3305'
11:15		LOAD CSG/3 BBLs. PLUG #3 MIX AND PUMP 40 SXS FROM 3305' TO
		TOC @ 3097' DISPLACE
	11:45	LAY DOWN 8 JTS 96 IN HOLE EOT @ 3052'
11:45		LOAD CSG/1 BBL. PLUG #4 MIX AND PUMP 39 SXS FROM 3052' TO
	12:15	TOC @ 2847' DISPLACE
12:15	1:00	LAY DOWN 56 JTS 40 JTS IN HOLE EOT @ 1274'
1:00		LOAD CSG/3 1/2 BBLs. PLUG #5 MIX AND PUMP 45 SXS FROM 1274' TO
	1:30	TOC @ 1040' DISPLACE
1:30	2:00	LAY DOWN 31 JTS 9 JTS IN HOLE EOT @ 288'
2:00		LOAD CSG/3 BBLs. PLUG #6 MIX AND PUMP 59 SXS FROM 288'
	2:30	CIRCULATE CEMENT OUT CSG.
2:30	2:45	LAY DOWN 9 JTS.
2:45	3:15	NIPPLE DOWN BOP.
3:15		DIG OUT AND CUT OFF WELL HEAD. CUT DOWN 20' IN 7" TOC IN
		9 5/8" @ 10'
		PLACE P+A MARKER / 24 SXS
	6:30	DRAIN PUMP. SHUT DOWN FOR DAY
		HENRY VILLANUEVA/NMOCD ON LOCATION

Fuel & Motor Oil \_\_\_\_\_ Water Hauled \_\_\_\_\_  
 Rental Equipment \_\_\_\_\_ Cement Retainers \_\_\_\_\_  
 Cementing P#2 - 91 SXS P#3 - 40 SXS P#4 - 39 SXS P#5 - 45 SXS P#6 - 59 SXS P+A MARKER /  
 Wireline \_\_\_\_\_ 24 SXS

CREW	NAME	UNIT #	MILEAGE	HOURS
Supervisor	MIKE HIGDON	#19		
Operator	ROBERT VELASQUEZ	#20		13
Helper	JASON NORTH			13
Helper	DALE FLORES			13
Helper	ROBERT DUNCAN			13

Date 10/23/00





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APA Development Co.

October 31, 2000

## **Santa Fe Leggs #1**

Page 1 of 1

990'FSL and 2310' FEL, Section 11, T-21-N, R-10-W

San Juan County, NM

Fee Lease, API No. 30-045-22633

## **Plug & Abandonment Report**

### **Cementing Summary:**

**Plug #1** with 75 sxs Class B cement with 1% CaCl<sub>2</sub> from 5385' to 4995' to fill Entrada perforations.

**Plug #2** with 93 sxs Class B cement inside casing from 4582' to 4099' to cover Dakota interval.

**Plug #3** with 42 sxs Class B cement inside casing from 3019' to 2801' to cover Gallup top.

**Plug #4** with 41 sxs Class B cement inside casing from 1211' to 988' to cover Mesaverde top.

**Plug #5** with 56 sxs Class B cement inside casing from 288' to surface, circulate good cement to surface.

### **Plugging Summary:**

**10-26-00** MO, RU. Open up well; no pressures but oil is seeping out of tubing. Drop bar to knock out plug on drain valve sub above Reda pump. Attempt to pump down tubing, started circulating out casing after ½ bbl. ND wellhead and change over for 3-1/2" tubing. PU on tubing and found only one joint of 3-1/2" EUE tubing with a short piece of Reda cable. No other tubing in well. NU BOP and change over for 2-3/8" tubing. PU 6 joints A-Plus 2-3/8 tubing workstring and start to TIH. SDFD.

**10-27-00** Safety Meeting. Line pit with plastic. Open up well, no pressure. Continue To TIH with tubing workstring to 5385', unable to go deeper. H. Villaneuva, NMOCD, approved procedure change. Circulate hole clean with 20 bbls water. Plug #1 with 75 sxs Class B cement with 1% CaCl<sub>2</sub> from 5385' to 4995' to fill Entrada perforations. PUH to 4400' and WOC. TIH with tubing and tag cement at 4986'. Pressure test casing to 500# for 15 min, held OK. PUH to 4582'. Plug #2 with 93 sxs Class B cement inside casing from 4582' to 4099' to cover Dakota interval. PUH to 3019'. Shut in well and SDFD.

**10-30-00** Safety Meeting. Open up well, no pressure. Dawn trucking cleaned out pit. Plug #3 with 42 sxs Class B cement inside casing from 3019' to 2801' to cover Gallup top. PUH to 1211'. Plug #4 with 41 sxs Class B cement inside casing from 1211' to 988' to cover Mesaverde top. PUH to 288'. Plug #5 with 56 sxs Class B cement inside casing from 288' to surface, circulate good cement to surface. TOH and LD tubing. ND BOP, dig out and cut off wellhead. Found cement down 15' in 7" casing and at the surface in the 9-5/8" annulus. Mix 12 sxs Class B cement to fill casing and install P&A marker. RD and MOL. H. Villeneuve, NMOCD, was on location.

## Daily Report

## A - PLUS WELL SERVICE

P.O. BOX 1979 • FARMINGTON, NM 87499  
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Rig No #6

Date 10/26/00

Well No #1 Location SANTA FE LEGGS Company APA DEVELOPMENT INC. <sup>(WMOCD)</sup>

[illegible]

Fuel & Motor Oil \_\_\_\_\_ Water Hauled 5-LOADS (A-Plus)

Rental Equipment \_\_\_\_\_ Cement Retainers \_\_\_\_\_

Cementing \_\_\_\_\_

Wireline \_\_\_\_\_

CREW	NAME	UNIT #	MILEAGE	HOURS
Supervisor	MIKE HIGDON			
Operator	ROBERT VELASQUEZ			6 1/2
Helper	JASON NORTH			6 1/2
Helper	DALE FLORES			6 1/2
Helper	ROBERT DUNCAN			6 1/2

Date 10/26/00

## Daily Report

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Rig No #6

Date 10/27/00

Well No. #1 Location SANTA FE LEGGS Company APA DEVELOPMENT INC. (NMOID)

[illegible]

Fuel & Motor Oil \_\_\_\_\_ Water Hauled \_\_\_\_\_

Rental Equipment \_\_\_\_\_ Cement Retainers \_\_\_\_\_

Cementing PLUG #1 75 SXS PLUG #2 93 SXS

Wireline \_\_\_\_\_

CREW	NAME	UNIT #	MILEAGE	HOURS
Supervisor	MIKE HIGDON	#19		
Operator	ROBERT VELASQUEZ	#20		12 1/2
Helper	JASON NORTH			12 1/2
Helper	DALE FLORES			12 1/2
Helper	ROBERT DUNCAN			12 1/2

Date 10/27/00

P.O. BOX 1979 • FARMINGTON, NM 87499  
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Rig No 46

Date 10/30/00

Well No. H1 Location SANTA FE LEGGS Company APA DEVELOPMENT INC. (UNPROD)

[illegible]

Fuel & Motor Oil \_\_\_\_\_ Water Hauled \_\_\_\_\_  
Rental Equipment \_\_\_\_\_ Cement Retainers \_\_\_\_\_  
Cementing P#3- 42 5xs P#4- 41 5xs P#5- 56 5xs P+A MARKER/12 5xs  
Wireline \_\_\_\_\_

CREW	NAME	UNIT #	MILEAGE	HOURS
Supervisor	MIKE HIGDON	#19		
Operator	ROBERT VELASQUEZ	#20		11
Helper	JASON NORTH			11
Helper	DALE FLORES			11
Helper	MICHAEL DOBBS			11

Date 10/30/00

## P&A PROCEDURES FOR DISTRICT III

### For State and Fee wells only

Follow these procedures when we receive a subsequent report that a well has been plugged:

- Subsequent report goes to Charlie
- Charlie gives sundry to Mary Ellen to enter in Kardex & ONGARD

### ONGARD

- C-101 Screen--enter "P&A" + date physically plugged in Prpsd Fmn entry field.
- C-102 Screen—change date in Eff Date entry field to P&A date.
- ACRE Screen--delete acreage and verify the Eff Date entry field reflects the correct P&A date.
- TLOG Screen--enter "P" in WC Status entry field for each pool attached to well which has not already been zone abandoned and verify that the WC Status date is correct P&A date.
- WCMP Screen--delete all but one(water) POD

### Kardex

- Enter "PN" in Status and enter P&A date in the PA Date field
- Post "PN" at top right corner of subsequent report to show it has been entered in Kardex

When subsequent report of plugging has been released by field personnel, do the following:

### ONGARD

- CLOG Screen--populate P/A Date with plugging date to reflect total well is abandoned and the location has been inspected and released.

(Hobbs enters the date the location was released and who inspected it on the C-log Comments screen also; i.e., "Loc rel 9-10-00 Billy Prichard")

### Kardex

- Change Status field from "PN" to "PA"

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. NM-19163
2. Name of Operator RICHARDSON OPERATING COMPANY 019219	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. c/o Walsh Engr. & Prod. Corp. 7415 E. Main Farmington, N.M. 87402 505 327-4892	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Unit N Section 20, T30N, R14W 915'FSL & 1600'FWL	8. Well Name and No. WF Federal 20 #1
	9. API Well No. 30-045-29649
	10. Field and Pool, or Exploratory Area Twin Mounds FR Sand PC Fruitland Coal
	11. County or Parish, State San Juan County, N.M.

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

WELL COMPLETED AS PER ATTACHED TREATMENT REPORTS

RECEIVED  
JUL - 7 1999  
OIL CON. DIV.  
DIST. 3

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

Signed [Signature] Title John C. Thompson, Agent Date 7-2-99

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any: \_\_\_\_\_

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

\*See Instruction on Reverse Side