

A - PLUS WELL SERVICE, INC.

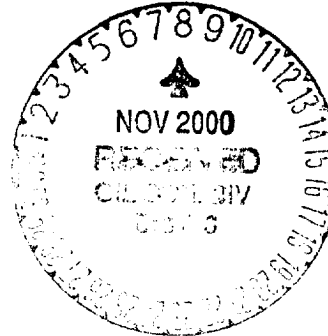
P.O. BOX 1979
FARMINGTON, NM 87499
505-325-2627 • FAX: 505-325-1211

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

To: NMOCD Bid # 00-521-25-00332									
From: A-Plus Well Service									
Well Plugging Bid Detail:									
Well Name	Casing Size	Sacks Cement	Plugs	Perf	Rods	Pump Jack	Tanks	P&A Cost	Remarks
SF Leggs #1	7"	250	5	No	Reda	No	4	\$ 20,960	Very dirty around tanks, bury slab
SE Leggs #2	7"	250	5	No	Reda	No	1	\$ 21,040	Large pump house, large pit, old rig
SF Barbs #1	7"	289	6	No	No	No	0	\$ 19,600	Limited clean up
Total Project Cost:								\$ 61,600	

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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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Flg No 46

Date 10/18/00

Well No #1 Location SANTA FE BARBS Company APL (NMOCO) DEVELOPMENT INC.

[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		9 1/2
Helper	JASON NORTH			9 1/2
Helper	DALE FLORES			9 1/2
Helper	ARTIE ARAGON			9 1/2

Date 10/18/00

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Fig No #6

Date 10/19/00

Well No 41 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	DALET FLORES			12 1/2
Helper	ALVARO RAMERIZ			12 1/2

Date 10/19/00

Daily Report

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Fig No 46

Date 10/20/00

Well No. 21 Location SANTA FE BARBAS Company APA DEVELOPMENT (NMOLD)

[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

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16796

Rig No #6Date 10/23/00Well No #1 Location SANTA FE BARBS Company APA DEVELOPMENT INC. (NMOCB)

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 (OPSI) TIM/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. BLEED 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 @ 2842' 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. CAT 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/NMOCB 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 HILDON	#19		
Operator	ROBERT VELAZQUEZ	#20		13
Helper	JASON NORTH			13
Helper	DALE FLORES			13
Helper	ROBERT DUNCAN			13

Well No. 41 Location SANTA FE BAROS Company APA DEVELOPMENT INC. (NMOD)

Date 10/26/00

A-PLUS WELL SERVICE, INC.

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APA Development Co.

Santa Fe Leggs #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

October 31, 2000

Page 1 of 1

Plug & Abandonment Report

Cementing Summary:

Plug #1 with 75 sxs Class B cement with 1% CaCl₂ 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% CaCl₂ 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. Villenueva, NMOCD, was on location.

Date 10/26/00

Well No. *1 Location SANTA FE LEGGS Company APA DEVELOPMENT INC.

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

16876

Date 10/30/00

Date 10/30/00