

A - PLUS WELL SERVICE, INC.

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

COPY

November 6, 2000

Oil Conservation Division

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

Attn: Charlie Perrin

INVOICE #2211

Rig #6

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

Santa Fe Leggs #2, an Entrada well located in Unit N, Section 11,
T-21N-10-W, San Juan County, NM.

Cost Summary:

Santa Fe Leggs #2

Price per Contract \$ 19,837.36

Cement: Bid 250 sxs cement, used 332 sxs cement;
Extra 82 sxs x \$10.20 = \$836.40

N/C

TOTAL \$ 19,837.36

TAX @ 6.0625% \$ 1,202.64

THANK YOU

TOTAL DUE \$ 21,040.00

*OK for Payment
12-14-2000
Charlie Perrin*

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APA Development Co.

November 6, 2000

Santa Fe Leggs #2

Page 1 of 1

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

San Juan County, NM

Plug & Abandonment Report

Fee Lease, API No. 30-045-23027

Cementing Summary:

Plug #1 with 79 sxs Class B cement with 1% CaCl₂ inside casing from 5408' to 4490' to fill Entrada perforations.

Plug #2 with 94 sxs Class B cement inside casing from 4586' to 4098' to cover Dakota interval.

Plug #3 with 42 sxs Class B cement inside casing from 3021' to 2803' to cover Gallup top.

Plug #4 with 41 sxs Class B cement inside casing from 1211' to 998' to cover the Mesaverde top.

Plug #5 with 52 sxs Class B cement inside casing from 288' to surface, circulate good cement out casing valve.

Plugging Summary:

10-30-00 MO, RU. SDFD.

10-31-00 Safety Meeting. Open up well, no pressure. Small water flow out of tubing, casing dead. Drop bar down tubing. ND wellhead and NU BOP. TOH and LD total of 37 joints 2-7/8" tubing with Reda cable and pump, total 1155'. Change over for 2-3/8" tubing. PU and TIH with 63 joints A-Plus tubing workstring. SDFD.

11-01-00 Safety Meeting. Open up well and continue to TIH with workstring. Tag at 5408'. Circulate hole clean with 20 bbls water. Plug #1 with 79 sxs Class B cement with 1% CaCl₂ inside casing from 5408' to 4490' to fill Entrada perforations. PUH to 4400' and WOC. TIH and tag cement at 5061'. Pressure test casing to 500# for 15 min, held OK. Bleed off pressure and LD 12 joints tubing. Tongs would not bite. Shut in well and SDFD.

11-02-00 Safety Meeting. Repair tongs. PUH to 4586'. Plug #2 with 94 sxs Class B cement inside casing from 4586' to 4098' to cover Dakota interval. PUH to 3021'. Plug #3 with 42 sxs Class B cement inside casing from 3021' to 2803' to cover Gallup top. PUH to 1211'. Plug #4 with 41 sxs Class B cement inside casing from 1211' to 998' to cover the Mesaverde top. PUH to 288'. Plug #5 with 52 sxs Class B cement inside casing from 288' to surface, circulate good cement out casing valve. TOH and LD tubing. Clean up oil around wellhead and dig out. SDFD.

11-03-00 Safety Meeting. Continue to dig out wellhead. ND BOP and cut off wellhead. Found cement down 35' in 7" casing and at surface in 9-5/8" casing. Mix 24 sxs Class B cement to top off 7" casing and then install P&A marker. RD and MOL. H. Villeneuve, NMOCD, was on location.

Daily Report

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Rig No #6

Date 10/30/00

Well No. #2 Location SANTA FE LEGGS Company APA DEVELOPMENT INC. (XMOCD)

[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		1 1/2
Helper	JASON NORTH			1 1/2
Helper	DALET FLORES			1 1/2
Helper	MICHAEL DOBBS			1 1/2

Date 10/30/00

Daily Report

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Rig No 46

Date 10/31/60

Well No. # 2 Location SANTA FE LEGGS Company APA DEVELOPMENT INC (NMOLO)

[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
Helper	JASON NORTH			12
Helper	DALLET FLORES			12
Helper	MICHAEL DOBBS			12

Date 10/31/00

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505-325-2627 • FAX (505) 325-1211

R g No 46

Date 11/01/00

Well No #2 Location SANTA FE LEGGS Company APA DEVELOPMENT INC. (NMOC)

[illegible]

Fuel & Motor Oil _____ Water Hauled _____

Rental Equipment _____ Cement Retainers _____

Cementing PLUG #1 79 5x5

Wireline _____

CREW	NAME	UNIT #	MILEAGE	HOURS
Supervisor	MIKE HIGDON	#19		
Operator	ROBERT VELASQUEZ	#20		12
Helper	JASON NORTH			12
Helper	DALET FLORES			12
Helper	MICHAEL DOBBS			12

Date 11/01/00

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Rig No 16

Date 11/02/00

Well No #2 Location SANTA FE LEGGS Company APA DEVELOPMENT INC.

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 AND EQUIPMENT. HELD SAFETY MEETING (PPE)
8:00	8:45	REPLACE WEAR RING ON TBG TONGS.
8:45	9:00	LAY DOWN 3 JTS. LOAD CSG / 1½ BBLS WATER.
9:00		PLUG #2 MIX AND PUMP 94 SXS FROM 4586' - TOC @ 4098'
	10:00	DISPLACE
10:00	10:45	LAY DOWN 49 JTS - 95 JTS IN HOLE EOT @ 3021'
10:45		LOAD CSG / 3 BBLS PLUG #3 MIX AND PUMP 42 SXS FROM 3021' - TOC @
	11:15	2803'. DISPLACE
11:15	12:30	LAY DOWN 57 JTS - 38 JTS IN HOLE EOT @ 1211'
12:30		LOAD CSG / 3½ BBLS PLUG #4 MIX AND PUMP 41 SXS FROM 1211' - TOC @
	1:00	998'. DISPLACE
1:00	1:30	LAY DOWN 29 JTS - 9 JTS IN HOLE EOT @ 288'
1:30		LOAD CSG / 1½ BBLS PLUG #5 MIX AND PUMP 52 SXS FROM 288'
	2:00	CIRCULATE CMT OUT CSG.
2:00	2:15	LAY DOWN 9 JTS SHUT WELL IN.
2:15		CLEAN UP OIL AROUND WELL HEAD. DIG OUT AROUND WELL HEAD
	5:30	DRAIN PUMP. SHUT DOWN FOR DAY.
		HENRY VILLANUEVA / NMUCD ON LOCATION

Fuel & Motor Oil _____ Water Hauled _____
Rental Equipment _____ Cement Retainers _____
Cementing P#2 - 945xs P#3 - 425xs P#4 - 415xs P#5 - 525xs
Wireline _____

CREW	NAME	UNIT #	MILEAGE	HOURS
Supervisor	MIKE HILDON	#19		
Operator	ROBERT VELASQUEZ	#20		12
Helper	JASON NORTH			12
Helper	DALE FLORES			12
Helper	MICHAEL DOBBS			12

Date 11/02/00

Daily Report

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Rig No 46

Date 11/03/00

(NMOCs)

Well No #2 Location SANTA FE LEGGS Company APA DEVELOPMENT INC.

[illegible]

Fuel & Motor Oil _____ Water Hauled _____

Rental Equipment _____ Cement Retainers _____

Cementing P.A. MARKER / 24 SKS

Wireline _____

CREW	NAME	UNIT #	MILEAGE	HOURS
Supervisor	MIKE HIGDON	#19		
Operator	ROBERT VELASQUEZ	#20		8
Helper	JASON NORTH			8
Helper	DANET FLORES			8
Helper	MICHAEL DOBBS			8

Date 11/03/00