A - PLUS WELL SERVICE, INC.

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



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:

Sant	a Fo	1 000	25	#2
Sani	аге	Leu	43	#4

Price per Contract \$19,837.36

Cement: Bid 250 sxs cement, used 332 sxs cement;

Extra 82 sxs x \$10.20 = \$836.40 <u>N/C</u>

TOTAL \$ 19,837.36 TAX @ 6.0625% \$ 1,202.64

THANK YOU TOTAL DUE \$ 21,040.00

\$ 21,040.00

| April | Payment |
| 14-2000 |
| LAPI | Ellin

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APA Development Co.

Santa Fe Leggs #2

990'FSL and 2310' FWL, Section 11, T-21-N, R-10-W
San Juan County, NM
Fee Lease, API No. 30-045-23027

November 6, 2000 Page 1 of 1

Plug & Abandonment Report

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 of37 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. Villenueva, NMOCD, was on location.

Daily Report

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Rig No	#6		Date/	0/30/00	
Well No_	#2	Location SMTA FE LECGS	Company APA	(NA DEVELOPMENT	10CD)
FROM	то	DESCRIPTION OF O	PERATION		
4:30		ROAD RIL + EQUIPMENT TO LOCATION.			
		SPOT RIG. RIG UP.			
	6:00	SHUT DOWN FOR DAY.			
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<u> </u>	!				
		Water Haule			
		Cement Reta			
Wireline .					
CRE		NAME	UNIT #	MILEAGE	HOURS
Superv				WILLAGE	HOURS
Operate		MIKE HIGOON	#19		1.1/.
		ROBERT VELASQUE 2	<i>#</i> 20		1/2
Helper		JASON NORTH			11/2
Helper		DALET FLORES			11/2
Helper		MICHAIL DOBBS			1/2

Daily Report

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ig No _	#6		Date _ <i>[0]</i>	31/60	
vell No_		Location SANTA FE LEGGS Comp		(NMOCE	
Vell No_	σ.	Location ONATA TE EDGE 5 Comp	ally #1#		4000
FROM	то	DESCRIPTION OF OPERATIO	N	·	
S:30	6:00	LUAN RIL SUPPLIES			
6:00	7:30	TRAVEL TO LOCATION.	,		
7.30	8.00	START RIL + EQUIPMENT. HELD SAFETY MEETING	PULLING R	EDA PLIMP)	
8:00		CK WELL. NO PRESSURE ON TBG. OR CSG.			
		OPEN UP WELL FLOWING WATER OUT TBO	CSG P	EAO.	
	900	DROP BAR DOWN TBC.			
900		NIPPLE DOWN WELL HEAD.			
1000	11:30	NIPPLE UP BOP		- 7/ ·	
11:30	ļ.,	TOH LAYING DOWN 2 % TBG/ REDA PUMP.	37 515	2 18 TUTAL	FWINGE 1155
	3.00				
2:00	2:30	CHANGE OVER TO 2 1/8 PIPERAMS, SLIPS AN			
2:30		TIH / 21/2 PLUCCINC SUB, 63 515 21/8 A		K STRING,	
	<i>5</i> :3¢	SHUT WELL IN, SHUT DOWN FOR DAY			
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	-				
	+			100	
	-				
	- 				
	-		 _		
		HENRY VILLANUEVA/NMOCD OF	V LOCATIO	ν ν	
Cuel o k	Antor Oil	Water Hauled			
		Cement Retainers			
		- Committedanio			
	_				
CRI		NAME	UNIT #	MILEAGE	HOURS
Super		MANY HILLOOM	#19		
Opera	ator	MIKE HIGDON ROBERT VELASQUEZ	#20		12
Helpe	r	JASON NORTH			12
Helpe	er	DALET FLORES			12
Helpe	er	MICHAEL DOBBS			12

3CI-029643A

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Rg No _	#6						
Well No_	# 2	Location SANTA FE LEGGS Company APA DEVELOPMENT INC.					
FROM	то	DESCRIPTION OF OPERATION					
5/30	6:00	LOAD RIG SUPPLIES					
6.00	7:30	i e					
7:30	8.00	START RIG * EQUIPMENT. HELD SAFET	MEETING.				
800		OPEN UP WELL (OB) CONTINUE IN 1	HOLE / TBG TO	TAL 170 31	S EOT A		
	9:30	5408					
9.30	10:00	CIRCULATE HOLE /20 BBLS WATER.					
10:00	ļ	A PLUC #1. MIX AND PUMP 79 SXS CMT/12 CAL FROM 5408 TO					
	1/200						
11:00	1	LAY DOWN 13 JTS. PULL UP 10 S	TOS. SHUT W	FLL IN,			
11:30	3:30	W.O.C.					
3:30	7,000						
	-	PRESSURE TEST CSC TO 500 PSI. H			V,		
	5:00	NO PRESSURE LOSS, BLED PRESSURE					
500	<u> </u>	TONGS WOULD NOT BITE PIPE. WEAR RING BROKE LOOSE FROM WELD					
		REMOVED WEAR RING, FROM TONGS,					
	5:30	SHUT WELL IN. DRAIN PUMP. SHU	T DOWN FOR	DAY.			
							
	-						
			<u> </u>				
					·		
		HENRY VILLANLEVA/NMOCD ON	LOCATION				
Fuel & Mo	tor Oil_	Water Hauled					
Rental Eq							
Cementing	g <u> </u>	UG #1 79 5x5					
Wireline _							
CREV	N	NAME	UNIT #	MILEAGE	HOURS		
Supervi	sor	MIKE HIGOON	[#] 19	*****			
Operato			#20				
Helper		ROBERT VELASQUEZ	<i>a</i> 0		12		
THOON NORTH		12					
Helper		ALET FLURES			12		
	1	NICHAEL DOBBS			12		
CI-029643A			Date	101/00			

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Rig No _	#6	Date 117 Carto			
Well No_	*2	Location SANTA FE LEGGS C	ompany <u>APA</u>	(VMOLD DEVELOPMEN) TINC
FROM	то	DESCRIPTION OF OPERA	TION		*
5-30	600	LOAD RIG SUPPLIES			
600	7:30				
7:30	800	START RIC AND EQUIPMENT. HELD SAFE	T' MEETIN	(PPE)	
800	8.45	REPLACE WEAR RING ON TOG TONGS			
8.45	9:00	LAY DOWN 3 JTS. LUAD CSG/1/2 BBIS	WATER.		
900	<u> </u>	PLUC *2 MIX AND PUMP 94 SXS FROM	4586 - TOC	Q 4098'	
	10:00	DIS PLACE			
10'00	10:45	LAY DOWN 49 JTS - 95 JTS IN HO	LE FOT @	3021	
10:45		LOND CSC / 3 BBIS PLUC #3 MIX AND PU			I'-TOCRO
	11:15	2803'. DISPLACE			
11.15	12:30	LAY DOWN 57 STS - 38 STS IN HOLE	EUT @	1211	
12:30		LOAD CSG/3/2 BBIS PLUG & 4 MIX AND P	ump 41 5x	s FRom 121	i-TOC®
	1:00	998' DISPLACE			
1.00	1:30	LAY DOWN 29 JTS - 9 JTS IN HOLA	EUT @	288'	
1:30	<u> </u>	LOAD CSC/1/2 BBIS PLUC #5 MIX AND	Pump 5	2 5xs FRom	288
	200	CIRCULATE CMT OUT CSG.			
2:00	a:15	LAY DOWN 9 JTS SHUT WELL IN.			
2:15	<u> </u>	CLEAN UP OIL AROUND WELLHEAD. DIG	OUT AROU	NO WELL HEA	۱۵
	5:30	DRAIN PUMP SHUT DOWN FOR DAY.			
			·		
	ļ				
					-
		·			
		HENRY VILLANGENA/NMUCD ON LOC	ATION		
uel & Ma	ntar Oil	Water Hauled			
		Cement Retainers			
		945x5 P*3 · 425x5 P*4 · 415x5		2 (/ 5	
Vireline _	_	7 7 17 023	<u> </u>	F 3KJ	
CRE	N	NAME	UNIT #	MILEAGE	HOURS
Supervi	isor	MIKE HILDON	#19		
Operato		ROBERT VELASQUEZ	#20		12
Helper		TASON NURTH	,0		12
Helper					<u>' ' </u>

12

Helper

MICHAEL DOBBS

Daily Report

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No	#6		Date 11/03/00				
		Location SANTA FE LECGS	Company APA I		NWOCD)		
ROM	то	DESCRIPTION					
	 	LOAD RIG SUPPLIES.					
<u> </u>		TRAVEL TO LOCATION.					
:80 :30	7.30	START RIG + EQUIPMENT HELD S	AFERY MEETING (FIR	E EXTINGUISHE	25		
:00 :00	B.00	CONTINUE DIGGING OUT WELL HEAD	NIPPLE DOWN	BOP.			
.00		CUT OFF WELL HEAD PLACE P+	A MARKER / 24 SXS	CMT			
	12'00	CMT DOWN 35 IN 7"CSG	CMT @ SURFA	CE IN 95/8"	SG		
	1:30	RIG DOWN. CUT OFF ANCHORS.	MOUE OFF LOCATIO	ν			
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	-						
				· · · · · · · · · · · · · · · · · · ·			
	Andre Oil	Water	Hauled				
antal E	viotor UII_ =auinmen		nt Retainers				
ement	ting P+A	MARKER / 24 5XS					
		NAME	UNIT #	MILEAGE	HOUR		
	ervisor		#19				
Oper		MIKE HIGDON ROBERT VELASQUEZ	#20		8		
					1		
Helpe	er	HTRUN NORAT			8		
Helpe		JASON NURTH DAKET FLORES			8 8		