

Date 01-04-13 District Liberad Ticket No. 52370
 Company Palmer's Oil Inc Rig Duke 9
 Lease Willis Well No. 23-6
 County Stevens State KS
 Location Hugoton Ks. N to CR Field _____
U. E 2 Mi to CR 18, S 1 M. W 1 to 4.

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 8 5/8 Type 1-55 Weight 24# Collar _____

CEMENT DATA:
 Spacer Type: H2O - 10 BBIS
 Amt. _____ Sks Yield _____ ft³/sk Density 8.34 PPG
 LEAD: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. 625 Sks Yield 1.97 ft³/sk Density 12.4 PPG
 TAIL: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. 200 Sks Yield 1.18 ft³/sk Density 15.6 PPG
 WATER: Lead 10.9 gals/sk Tail 5.3 gals/sk Total 187 Bbls.

Casing Depths: Top _____ Bottom 1750ft

Pump Trucks Used 531-541
 Bulk Equip. 774-744 / 472-554
868-842
 * 200sk "A" Pumped top off 1"

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 12 1/4 T.D. 1750ft ft. P.B. to _____ ft.
 CAPACITY FACTORS:
 Casing: Bbbs/Lin. ft. .0637 Lin. ft./Bbl. 15.698
 Open Holes: Bbbs/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbbs/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbbs/Lin. ft. .0735 Lin. ft./Bbl. 13.605
 Bbbs/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

Float Equip: Manufacturer Weatherford
 Shoe: Type Guide Shoe Depth 1750ft
 Float: Type AFU Float Valve Depth 1707.67ft
 Centralizers: Quantity 3 Plugs Top 1 Btm. _____
 Stage Collars _____
 Special Equip. Cement Basket
 Disp. Fluid Type H2O Amt. 109 Bbbs. Weight 8.34 PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE [Signature]

CEMENTER Ruben Chavez

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbbs Min.	
9:00						Got to location, spot trucks + rig up.
1:00						Pre job safety meeting
1:15				2	2	Pump 2 BBIS H2O - fill pump lines
1:17						Pressure test lines - 2500 PST
1:18	220		10	8	5	Pump 8 BBIS H2O - spacer
1:20	200		172.2	162.2	6	Start pumping lead cement. 625sk
1:50	150		215.2	43	5	Start pumping tail cement 200sk
2:00						Shut down
2:03						Drop plug and
2:05	0		310.2	95	5	Start displacement.
2:25	550				3.5	Slow pump rate to 3.5 BPM
2:30	600		324.2	14		Finished displacement and
	1100					Bump plug at 1100 PST
2:35						Release pressure Float held.
						Didn't circulate cement to surface.
7:00	120			43	1.5	Start pumping thru 1" pipe to top of 1" off. 200sk "A"
7:30						Shut down - 10 BBIS - good cement circulate to pit.
						Job complete.
						Thank you

Customer <i>Palmer Oil / American Warfare</i>	Lease No. <i>Willis</i>	Date <i>01-12-14</i>			
Lease <i>Willis</i>	Well # <i>23-6</i>	Service Receipt <i>1717-04374 A</i>			
Casing <i>5 1/2"</i>	Depth <i>6489'</i>	County <i>Stewars</i> State <i>KS</i>			
Job Type <i>5 1/2" Long String</i>	Formation	Legal Description <i>23-325-37U</i>			
Pipe Data		Perforating Data		Cement Data	
Casing size <i>5 1/2"</i>	Tubing Size	Shots/Ft		Lead Rat Hole <i>Mouse Hole</i> <i>50 sks 60/40 Pz</i> <i>13.5 ppq</i>	
Depth <i>6489'</i>	Depth	From	To		
Volume <i>154</i>	Volume	From	To	Tail in <i>200 sks</i> <i>AA2 Cement</i> <i>14.8 ppq 5% W-60</i> <i>10% Salt 6.9% C-15</i> <i>1/4" Deforman 5# Bilswite</i>	
Max Press <i>2000 psi</i>	Max Press	From	To		
Well Connection	Annulus Vol.	From	To		
Plug Depth <i>6447'</i>	Packer Depth	From	To		
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>0500</i>					<i>Called Out</i>
<i>0510</i>					<i>Safety Meeting</i>
<i>0700</i>					<i>On Location</i>
<i>0800</i>					<i>Start Running Pipe & Float Equipment</i>
<i>1120</i>					<i>Safety Meeting</i>
<i>1130</i>					<i>On Bottom Make up Hande manifold</i>
<i>1135</i>					<i>Circulate with Rig Pump</i>
<i>1250</i>					<i>Test Lines to Rig Floor - 2500 psi</i>
<i>1240</i>	-		<i>13</i>	<i>4</i>	<i>13.5 ppq Start mixing cement for Rats & Mouse Holes</i>
			<i>12</i>	<i>4</i>	<i>13.5 ppq Pump 12 BBLs Mud Flush</i>
<i>1255</i>	<i>200</i>		<i>54</i>	<i>6</i>	<i>Mix & pump Tail cement</i>
	<i>400</i>				<i>14.8 ppq - 54 BBLs</i>
					<i>Finished mixing cement. Wash up</i>
					<i>Drop Latch down plug</i>
<i>1305</i>	<i>200-psi</i>		<i>153.4</i>	<i>6</i>	<i>Displace 153.4 BBLs</i>
<i>1337</i>	<i>1300 psi</i>				<i>Land Plug - Redensed - Held</i>
					<i>Job Completed Thanks</i>
					<i>BASIC Services</i>
Service Units	<i>21755</i>	<i>38750-19864</i>	<i>30463-19566</i>		
Driver Names	<i>Roger</i>	<i>Carlos</i>	<i>Even</i>		

Enridgio Rojas
 Customer Representative

Jerry Bennett
 Station Manager

Roger
 Cementer

