

Date 10/10/2014 District Liberal # 21 Ticket No. 61660
 Company American Warrior Rig Duke # 9
 Lease FLYING V Well No 3-5 TWIN
 County WALLACE State KS
 Location _____

Field _____
 Casing Data Conductor PTA Squeeze Misc.
 Surface Intermediate Production Liner
 Size 8 5/8 Type _____ Weight 24 Collar _____

Casing Depths Top _____ Bottom 1845.41

Drill Pipe: BBLs/LIN. FT _____ LIN. FT/BBL _____
 Open Hole: BBLs/LIN. FT _____ LIN. FT/BBL _____
 Capacity Factors: BBLs/LIN. FT _____ LIN. FT/BBL _____
 Casing BBLs/LIN. FT 0.0637 LIN. FT/BBL _____
 Open Holes BBLs/LIN. FT _____ LIN. FT/BBL _____
 Drill Pipe BBLs/LIN. FT _____ LIN. FT/BBL _____
 Annulus BBLs/LIN. FT 0.0735 LIN. FT/BBL 13.6037
 BBLs/LIN. FT _____ LIN. FT/BBL _____
 Perforations From _____ ft to _____ ft Amt _____

CEMENT DATA

Spacer Type 20 BBL LC SPACER
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG _____
 LEAD: Time _____ hrs. Type CLASS A
65/35, 6%GEL, 3%BWOC CC, 1/4 FLOSEAL Excess _____
 Amt. 675 Sks Yield 2 ft³/sk Density 12.47 PPG _____
 TAIL: Time _____ hrs. Type CLASS A
3%cc, 1/4 floeal Excess _____
 Amt. 200 Sks Yield 1.2 ft³/sk Density 15.63 PPG _____
 WATER Lead 10.9 Gal/sk Tail 5.2 Gal/sk Total _____ BBLs _____

Pump Trucks Used: 903-501

Bulk Equipment 562-568

994-642

Float Equipment: Manufacturer WEATHERFORD
 Shoe: Type GUIDE SHOE Depth 1845.41
 Float: Type AFU Insert Valve Depth 1802.24
 Centralizers: Quantity 3 Plugs Top 1 Bottom _____
 Stage Collars _____
 Special Equipment 1 Cement Basket @ 900 ft
 Disp: Fluid Type H2O Amt 115 bbls Weight 8.34 PPG _____
 Mud Type _____ Weight _____

COMPANY REPRESENTATIVE _____

CEMENTER _____

CESAR PAVIA

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	
900PM						ARRIVE TO LOCATION – RUN FLOAT EQUIPMENT
930PM						CASING ON BOTTOM
1000PM						RIG UP
1030PM						SAFETY MEETING
1040PM		2000				PRESSURE TEST
1043PM		80		20	5	20 BBL LC SPACER
1047PM		200		260.4	5	PUMP 240.4 BBL OF LEAD SLURRY CEMENT
1140PM		120		303.14	5	PUMP 42.74 BBL OF TAIL SLURRY CEMENT
1200AM					5	RELEASE PLUG- START DISPLACEMENT, LOST CIRCULATION
1210AM		60		323.14	5	20 BBL GONE
1220AM		80		343.14	5	40 BBL GONE
1226AM		120		363.14	5	60BBLGONE 58 BBL CATCH CEMENT
1232AM		300		383.14	5	80 BBL GONE
1240AM		350		403.14	3	100 BBL GONE SLOW DOWN TO 3 BPM
1246AM		600		418.14	3	BUMP PLUG
1251AM		1200				RELEASE PRESSURE, CHECK FLOATS
						DID NOT CIRCULATE TO SURFACE
						RUN 1" LINE WAIT FOR CEMENT
700AM						PUMP 32 BBL OF SLURRY, CEMENT FALL AGAIN 153SK
1047AM						PUMP 21 BBL OF SLURRY TO GET TO SURFACE 100SK
1126AM						THIS TIME IT HELD
1200PM						WATCH CEMENT FOR ONE HOUR
100PM						RIG DOWN
400PM						LEAVE LOCATION

FINAL DISP. PRESS. 600 PSI BUMP PLUG TO 1200 PSI BLEEDBACK 0.5 BBLs THANK YOU

ALLIED OIL & GAS SERVICES, LLC 064290

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Oakley KS

DATE <u>10-17-14</u>	SEC. <u>5</u>	TWP. <u>15</u>	RANGE <u>41</u>	CALLED OUT	ON LOCATION <u>12:00 p.m.</u>	JOB START <u>1:30 p.m.</u>	JOB FINISH <u>2:30 p.m.</u>
LEASE <u>Flying V</u>	WELL # <u>3-5 twin</u>		LOCATION <u>Sharon Springs S to Gooseberry Rd, W to Rd 10, 1 S, 1/2 W, N into</u>			COUNTY <u>Wallace</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)							

CONTRACTOR Duke 9

TYPE OF JOB PTA

HOLE SIZE 7 7/8 T.D. 5300'

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 DEPTH 2770'

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

OWNER Same

CEMENT AMOUNT ORDERED 225 sks Lite

60/40 4' gel 1/4" Flo-seal

DISPLACEMENT 5 H₂O / 27 bbl mud

EQUIPMENT _____

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
ASC	@		
<u>Lite</u>	@	<u>225 sks</u>	<u>18.95 4263.75</u>
<u>Flo-seal</u>	@	<u>56 #</u>	<u>2.97 166.32</u>
HANDLING	@	<u>241.65 ft³</u>	<u>2.48 599.29</u>
MILEAGE	@	<u>10.09 ton x 20 mi x</u>	<u>2.75 1942.33</u>
			TOTAL _____

PUMP TRUCK # 422 CEMENTER Paul Beaver

BULK TRUCK # _____ HELPER Tyler Flipse / Branden Wilkinson

BULK TRUCK # _____ DRIVER _____

BULK TRUCK # 890/241 DRIVER Wayne Messelle

REMARKS:

mix 50 sks @ 2770', Displace w/ mud
mix 120 sks @ 1895', Displace w/ water
mix 120 sks @ 40' w/ plug
mix 30 sks in RH, mix 15 sks in M.H

Thank You!
Paul + Crew

CHARGE TO: American Warrior

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB		<u>2770'</u>	
PUMP TRUCK CHARGE		<u>2483.59</u>	
EXTRA FOOTAGE	@		
MILEAGE <u>MHV</u>	@	<u>70</u>	<u>7.70 539.00</u>
MANIFOLD <u>MILV</u>	@	<u>70</u>	<u>4.40 308.00</u>
			TOTAL _____

PLUG & FLOAT EQUIPMENT

<u>8 5/8 wooden plug</u>	@		<u>110.00</u>
	@		
	@		
	@		
	@		
			TOTAL _____

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Emigdio Rojas

SIGNATURE Emigdio Rojas

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS