

CEMENTING LOG

Date 6/5/2014 District Liberal # 21 Ticket No. 53139
 Company AMERICAN WARRIOR Rig DUKE # 5
 Lease IRISH FINNEY Well No 4-23
 County FINNEY State KS.

Location _____
 Field _____

Casing Data Conductor PTA Squeeze Misc.
 Surface Intermediate Production Liner

Size 8 5/8 Type J-55 Weight 24# Collar _____

Casing Depths Top _____ Bottom 1702.41 FT.

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	<u>0.0637</u>	LIN. FT/BBL	<u>15.698</u>
Open Holes	BBLS/LIN. FT	_____	LIN. FT/BBL	_____
Drill Pipe	BBLS/LIN. FT	_____	LIN. FT/BBL	_____
Annulus	BBLS/LIN. FT	<u>0.0735</u>	LIN. FT/BBL	<u>13.605</u>
	BBLS/LIN. FT	_____	LIN. FT/BBL	_____
Perforations	From _____	ft to _____	ft	Amt _____

CEMENT DATA

Spacer Type 5 bbls h20-spacer
 Amt. _____ Sks Yield _____ ft³/sk Density 8.34 PPG

LEAD: Time _____ hrs. Type 65/35/6%GEL
3% CC, .5LB/SK FLOSEAL Excess 100%

Amt. 625 Sks Yield 2 ft³/sk Density 12.46 PPG
 TAIL: Time _____ hrs. Type CLASS A NEAT

Amt. 200 Sks Yield 1.2 ft³/sk Density 15.6 PPG
 WATER Lead 10.9 Gal/sk Tail 5.2 Gal/sk Total 186.9 BBLs

Pump Trucks Used: 531-541
 Bulk Equipment 868-467

Float Equipment: Manufacturer weatherford
 Shoe: Type guideshoe Depth 1702.41
 Float: Type AFU INSERT FLOAT Depth 1661.68FT.
 Centralizers: Quantity 3 Plugs Top 1 Bottom _____
 Stage Collars _____
 Special Equipment _____
 Disp: Fluid Type H2O Amt 105.8 bbls Weight 8.4 PPG
 Mud Type _____ Weight _____

COMPANY REPRESENTATIVE _____ CEMENTER Ruben Chavez

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBLs/MIN	
9:30						Got To Location Spot Trucks, And Rig Up.
10:30						Have A Pre-job Safety Meeting
11:00			2	2	2	Pump 2 bbls h20 to fill up pumping lines
11:03						pressure test to 2000 PSI
			5	3	2	Start pumping 3 bbls h20 spacer
11:15	250		227.6	222.6	7	Start pumping lead cement 625 sk cement 222.6 bbls slurry.
11:48	200		270.3	42.7	5	Start pumping cement tail 200 sk cement 42.7 bbls slurry
11:57						Shut down
						Wash pumping lines
12:00						Drop the plug
12:00	0		365.3	95	7	Start displacement
12:14	550		375.3	11	3	Slow down pumping rate
12:17	680					Finished displacement t
	1180					Bump plug at 1180 psi
						Circulate 25 bbls of slurry to pit
						Release pressure float held good
						Job finished
						Wash pumping lines
						Rig down
						Thankyou

FINAL DISP. PRESS. 680 PSI BUMP PLUG TO 1180 PSI BLEEDBACK 2-Jan BBLs **THANK YOU**



CHARGE TO: American Warrior
 ADDRESS:
 CITY, STATE, ZIP CODE:

TICKET 25592

PAGE 1 OF 2

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. <u>Asset # 15</u>	<u>4-23</u>	<u>Irsik-Finney</u>	<u>Finney</u>	<u>KS</u>	<u>Pierceville</u>	<u>6-14-14</u>	
2. <u>Hoys</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Dutke Drilling</u>	RIG NAME/NO. <u>#5</u>	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>Location</u>	ORDER NO.	
3.	WELL TYPE <u>Oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Cement 5 1/2" Longstring</u>	WELL PERMIT NO.	WELL LOCATION <u>Pierceville 155-4 1/2 N, 1 1/2 W in b</u>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE <u>Trk #113</u>			100	mi	6.00	600.00
578		1			<u>Pump Charge - Longstring</u>			1	job	1500.00	1500.00
402		1			<u>Centralizer</u>			5 1/2	in	10.00	700.00
403		1			<u>Cement Basket</u>			5 1/2	in	1.00	300.00
406		1			<u>Latch Down Plug + Baffle</u>			5 1/2	in	1.00	275.00
407		1			<u>Insert Float Shoe w/ Auto Fill</u>			5 1/2	in	1.00	375.00
419		1			<u>Rotating Head Rental</u>			5 1/2	in	1.00	200.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X James McInerney
 DATE SIGNED 6-14-14 TIME SIGNED 2:00 P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	#1	3950.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				PAGE TOTAL #2	5988.50
WE UNDERSTOOD AND MET YOUR NEEDS?				Subtotal	9938.50
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Finney TAX 7.3%	479.87
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TOTAL	10,418.37
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO				
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES - The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR David Kuehn APPROVAL

Thank You!



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 25592

CUSTOMER American Warrior
WELL Insite-Finney #4-23
DATE 6-14-14 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE		AMOUNT	
		LOC	ACCT	DF										
325		1				Standard Cement			175	skts	14	50	2537	50
284		1				Calseal	5	%	8	skts	35	00	280	00
283		1				Salt	10	%	900	lbs	00	20	180	00
292		1				Harbol 322	1/2	%	100	lbs	8	00	800	00
276		1				Flocek	1/4	lb	50	lbs	2	50	125	00
290		1				D-Air			3	gal	42	00	126	00
281		1				Mud Flush			500	gal	1	25	625	00
221		1				Liquid HCL			2	gal	25	00	50	00
581		1				SERVICE CHARGE								
583		1				MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES						
							18300	100						

CONTINUATION TOTAL 5488.50

JOB LOG

SWIFT Services, Inc.

DATE 6-14-74 PAGE NO. 7

CUSTOMER American Warrior WELL NO. 4-23 LEASE Ersik-Finney JOB TYPE Cement 5 1/2" Longstring TICKET NO.

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1950							on location
								RTD-5075 LTD-5075 TP-5070 5 1/2" 17" SJ- #1 34.H 175 sks EA-2 w/ 1/4" Floccle Centralizer-1,2,3,4,5,7,9,11,13,15 Start Basket- #6
	2025							Start 5 1/2" 17" casing in well
	2230							Drop Ball Circulate - Rotate -
	2320	6 3/4	12		✓	350		Pump 500 gal Mud Flush
		6 3/4	20		✓	350		Pump 20 bbl 14CL Flush
			7-5					Plug Rt- MH (30-20)
	2335	4 1/2	30		✓	250		mix 125 sks EA-2 @ 15.5 ppb
								Wash out Pump + Lines Release Latch Down Plug
	2350	6 3/4	∅		✓	100		Start Displacement
		6 3/4	90		✓	350		Lift Pressure
		6 3/4	116		✓	1000		Max Lift Pressure
6-15-74	0005	6 3/4	116.8		✓	1500		Land Latch Down Plug
								Release Pressure - Hold -
								wash up truck
	0100							Job Complete

Thank You
Duke Jon Isaac