

**CEMENTING LOG**

Date 3/1/2014 District Liberal # 21 Ticket No. 53081  
 Company American Warrior Rig Duke # 10  
 Lease Congdon Well No 7-28  
 County Finney 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 1750

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 10 bbl water  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

LEAD: Time \_\_\_\_\_ hrs. Type CLASS A  
65/35, 6%GEL, 1/4FLOSEAL Excess 50%

Amt. 625 Sks Yield 1.94 ft<sup>3</sup>/sk Density 12.4 PPG

TAIL: Time \_\_\_\_\_ hrs. Type CLASS A

3%cc,,1/4 floseal Excess \_\_\_\_\_

Amt. 200 Sks Yield 1.18 ft<sup>3</sup>/sk Density 15.6 PPG

WATER Lead 10.9 Gal/sk Tail 5.3 Gal/sk Total \_\_\_\_\_ BBLs

Pump Trucks Used: 700-686  
 Bulk Equipment 705-B642  
472-554

Float Equipment: Manufacturer WEATHERFORD

Shoe: Type GUIDE SHOE Depth 1750

Float: Type AFU Insert Valve Depth 1707.69

Centralizers: Quantity 3 Plugs Top 1 Bottom \_\_\_\_\_

Stage Collars \_\_\_\_\_

Special Equipment Cement Basket @ 672 ft

Disp: Fluid Type H2O Amt 108.8 bbls Weight 8.34 PPG

Mud Type \_\_\_\_\_ Weight \_\_\_\_\_

COMPANY REPRESENTATIVE \_\_\_\_\_ CEMENTER ALDO ESPINOZA

TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBLs/MIN	
300pm						ARRIVE TO LOCATION -- RUN FLOAT EQUIPMENT
330PM						RIG UP
520PM						CASING ON BOTTOM
630PM						SAFETY MEETING
650PM	2500					PRESSURE TEST
655PM	150		10		6	10 BBL WATER SPACER
658PM	150		229		6	PUMP 219 BBL OF LEAD SLURRY CEMENT
736PM	180		278		6	PUMP 49 BBL OF TAIL SLURRY CEMENT
751PM					4	RELEASE PLUG- START DISPLACEMENT
802PM	30		298		5	20 BBL GONE
806PM	190		318		5	40 BBL GONE
810PM	280		338		5	60BBLGONE
815PM	430		358		5	80 BBL GONE
818PM	500		378		3	100 BBL GONE SLOW DOWN TO 3 BPM
820PM	1180				3	BUMP PLUG
825PM						RELEASE PRESSURE, CHECK FLOATS
830PM						RIG DOWN
915PM						LEAVE LOCATION
						40 BBL OF CEMENT BACK
						BY EMILIO'S REQUEST MIX LEAD SLURRY @ 13 # / G

FINAL DISP. PRESS. 580 PSI BUMP PLUG TO 1180 PSI BLEEDBACK 0.5 BBLs THANK YOU



CHARGE TO: **AMERICAN WARRIOR**  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

TICKET 26121

PAGE 1 OF 2

SERVICE LOCATIONS: 1. **Ness City, KS**  
 WELL/PROJECT NO.:  
 LEASE: **CONGDON 7-28** COUNTY/PARISH: **FINNEY** STATE: **KS** CITY: **GARDEN CITY, KS** DATE: **31 MAR 14** OWNER:  
 2. TICKET TYPE:  SERVICE  SALES CONTRACTOR: **DUKE DRILLING RIG #10** RIG NAME/NO.:  
 3. WELL TYPE: **OIL** WELL CATEGORY: **DEVELOPMENT** JOB PURPOSE: **S2 LONGSTRING** WELL PERMIT NO.:  
 4. REFERRAL LOCATION: INVOICE INSTRUCTIONS: **JENNY BARKER RD, 2N, 3/4 W, N/E IUTO**

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE # 115	90		ML		6.00	540.00
578					PUMP CHARGE	1		JOB		1500.00	1500.00
402					CENTRALIZERS	9		EA.		70.00	630.00
403					CEMENT BASKET	1		EA.		300.00	300.00
406					LATCH DOWN PLUG & BAFFLE	1		EA.		275.00	275.00
407					INSERT FLOAT SHADE W/ FILL	1		EA.		375.00	375.00
419					ROTATING HEAD RENTAL	1		JOB		200.00	200.00
281					MUD FLUSH	500		gal		1.25	625.00
321					LIQUID KCL	2		gal		25.00	50.00

**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  
 DATE SIGNED: **3-11-14** TIME SIGNED: **1100** **8** A.M.

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	#1	#2
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					4495	00
WE UNDERSTOOD AND MET YOUR NEEDS?					5381	12
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				subtotal	9876	12
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Finney TAX 7.3%	486	29
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	10,362	41
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND						



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

TICKET CONTINUATION

TICKET No. 26121

CUSTOMER AMERICAN WARRIOR WELL CONGOON 7-28 DATE PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY.	U/M	QTY.	U/M		
276						FLOCELE	50	lbs			2 <sup>50</sup>	125 <sup>00</sup>
283						SALT	900	lbs			00 <sup>20</sup>	180 <sup>00</sup>
284						CALSEAL	8	bx			35 <sup>00</sup>	280 <sup>00</sup>
292						HALAD-322	125	lbs			8 <sup>00</sup>	1000 <sup>00</sup>
290						D-AIR	2	sqz			42 <sup>00</sup>	84 <sup>00</sup>
325						STANDARD EA-2	175	sq			14 <sup>50</sup>	2537 <sup>50</sup>
581						SERVICE CHARGE					2 <sup>00</sup>	350 <sup>00</sup>
583						MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES		1 <sup>00</sup>	824 <sup>62</sup>
							18325	90	824.62			

CONTINUATION TOTAL 5381.12

JOB LOG

SWIFT Services, Inc.

DATE 11 MAR 14 PAGE NO. 7

CUSTOMER AMERICAN WARRIOR

WELL NO.

LEASE CONGDON 7-28

JOB TYPE 5 1/2 LONGSTRING

TICKET NO. 26121

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0100							ON LOCATION
	0255							START PIPE 5 1/2 - 15.5 # RTD @ 4875 SET @ 4867 SHOE JT. 20.85 CENTRALIZERS. 1, 2, 3, 4, 5, 7, 9, 11, 13 BASKETS. 7
	0910							DROP BALL - CIRCULATE.
	0940	6	12				400	Pump 500 gal MUD FLUSH
		6	20				400	Pump 20 BBL KCL FLUSH
			7.5					PLUG RA - 30sx, MH - 20sx
	1000	4	30					MIX 125 SX EA2.
								WASH OUT Pump & LINES.
	1015	6	Ø				200	START DISPLACING PLUG.
	1035		115 1/2				1500	PLUG DOWN - LATCH PLUG IN.
								RELEASE PSI - DRY
								WASH TRUCK
	1100							JOB COMPLETE.
								THANKS # 115
								JASON DAVE DOUG JUAN