



CEMENTING LOG

Date **8/14/2014** District **Liberal # 21** Ticket No. **53182**
 Company **American Warrior** Rig **Duke 10**
 Lease **Clark** Well No **7-2**
 County **Finney** State **Ks**
 Location _____
 Field _____
 Casing Data Conductor PTA Squeeze Misc.
 Surface Intermediate Production Liner
 Size **8 5/8** Type _____ Weight **24#** Collar _____

CEMENT DATA
 Spacer Type _____ Water _____
 Amt. _____ Sks Yield _____ ft³/sk Density **8.33** PPG
 LEAD: Time _____ hrs. Type **Class A**
6% gel, 0.5 lbs/sk flo-seal, 3% calcium chloride Excess **100%**
 Amt. **625** Sks Yield **2** ft³/sk Density **12.46** PPG
 TAIL: Time _____ hrs. Type **Class A Common**
3% calcium chloride, 0.25#/sk flo-seal Excess **100%**
 Amt. **200** Sks Yield **1.2** ft³/sk Density **15.6** PPG
 WATER Lead **10.9** Gal/sk Tail **5.2** Gal/sk Total **187** BBLs

Casing Depths Top _____ Bottom **1700**

Pump Trucks Used: **531-541**
 Bulk Equipment **869-554**
955-528

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 **0.0636** LIN. FT/BBL _____
 Open Holes BBLs/LIN. FT _____ LIN. FT/BBL **13.6037**
 Drill Pipe BBLs/LIN. FT _____ LIN. FT/BBL _____
 Annulus BBLs/LIN. FT _____ LIN. FT/BBL _____
 Perforations From _____ ft to _____ ft Amt _____

Float Equipment: Manufacturer _____
 Shoe: Type **REGULAR GUIDE SHOE** Depth _____
 Float: Type **AFU FLOAT VALVE** Depth _____
 Centralizers: Quantity **3** Plugs Top **1** Bottom _____
 Stage Collars **Cement Basket**
 Special Equipment _____
 Disp: Fluid Type **FRESH WATER** Amt **105** bbls Weight **8.33** PPG
 Mud Type _____ Weight _____

COMPANY REPRESENTATIVE _____ CEMENTER **Edgar A. Rodriguez**

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBLs/MIN	
2:20 am						Got to location & spotted trucks
3:50						Casing on bottom. Will stab cmt head to circulate
4:15						Rig up trucks. Rig up floor
4:30						Performed safety meeting
4:41	1120					Pressure tested lines 1000 psi
4:43	220		5		1	Pump 5 bbls of fresh water
4:45	180		223		5.5	Pump 625 sks of lead cmt (223 bbls @12.5)
5:32	130		43		4	Pump 200 sks of tail cmt (43 bbls @15.6)
5:44						Shutdown / Drop top plug
5:46	60				6	Pump 105 bbls of displacement
5:57	280		70		6	Cement back to surface. 45 bbls of cement back to pit
6:06	480		95		3	Slow rate to bump plug
6:12	500		105		3	Bumped plug. Landed at 500 psi and took up to 1060 psi
6:15						Check floats. 1/4 of bbl back
6:20						End job. Total of 45 bbls of cement back to pit.
6:30						Rig down trucks
7:30						Crew leave location

FINAL DISP. PRESS. **500** PSI BUMP PLUG TO **1060** PSI BLEEDBACK **1/4** BBLs **THANK YOU**



CHARGE TO: **AMERICAN WARRIOR**

ADDRESS

CITY, STATE, ZIP CODE

TICKET 27808

PAGE 1 OF 2

SERVICE LOCATION 1. NESS CITY, KS	WELL/PROJECT NO.	LEASE CLARK 7-2	COUNTY/PARISH FINNEY	STATE KS	CITY PIERCEVILLE, KS.	DATE 21 AUG 14	OWNER
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR DUKE DRILLING RIG #10	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
3.	WELL TYPE OIL	WELL CATEGORY DEVELOPMENT	JOB PURPOSE 52 LONGSTRING	WELL PERMIT NO.	WELL LOCATION 22N, 1W, S10		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE #115	90		mi		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 SPORE W/ FILL	1		EA		375.00	375.00
281					MUD FLUSH	500		gal		1.25	625.00
221					LIQUID KCL	2		gal		25.00	50.00
419					ROTATING HEAD RENTAL	1		JOB		200.00	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
DATE SIGNED **22 AUG 14** TIME SIGNED **0245** A.M. 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	PAGE TOTAL	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				1	4495.00
WE UNDERSTOOD AND MET YOUR NEEDS?				2	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					

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

SWIFT OPERATOR *[Signature]* APPROVAL

Thank You!



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

TICKET CONTINUATION

TICKET No. 27808

CUSTOMER AMERICAN WARRIOR WELL CLARK 7-2 DATE 21 AUG 14 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 ⁵⁰	125 ⁰⁰
283						SACT	900	lbs			20	180 ⁰⁰
284						CALSEAL	8	sq			35 ⁰⁰	280 ⁰⁰
292						HALAD-322	125	lbs			8 ⁰⁰	1000 ⁰⁰
290						D-AIR	2	sq			42 ⁰⁰	84 ⁰⁰
325						STANDARD EA-2	175	sq			14 ⁵⁰	2537 ⁵⁰
581						SERVICE CHARGE					2 ⁰⁰	350 ⁰⁰
583						MILEAGE CHARGE	18325	TOTAL WEIGHT	90	LOADED MILES	1 ⁰⁰	824 ⁰⁰
											175 ^{sq}	824 ⁶²

CONTINUATION TOTAL 5381⁰⁰

JOB LOG

SWIFT Services, Inc.

DATE 21 AUG 14 PAGE NO.

CUSTOMER AMERICAN WARRIOR WELL NO. LEASE CLARK 7-2 JOB TYPE 5 1/2 HONGSTRING TICKET NO. 27808

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2130							ON LOCATION
	2200							START PIPE - 5 1/2 - 15.5 # RTD @ 5050 SET @ 5030 SHOE ST. 21.32. CENTRALIZERS 1,2,3,4,5,7,9,11,13 BASKET 7
	0020							DROP BALL - CIRCULATE.
	0113	6	12				300	Pump 500 gal MUD FLUSH
		6	20				300	Pump 20 BBL KCL FLUSH
	0120		7.5					PLUG RH - 30sx MH - 20sx
	0124	4	30					MIX 125 SX EA2
	0138							WASH OUT PUMP & LINES.
	0145	6						START DISPLACING PLUG.
	0205	0	119				1500	PLUG DOWN LATCH PLUG IN.
	0207							RELEASE PSI - DRY
	0210							WASH TRUCK
								JOB COMPLETE.
								THANKS # 115
								JASON DOUG PRESTON