



CEMENTING LOG

Date **4/8/2015** District **Liberal # 21** Ticket No. **64532**
 Company **AMERICAN WARRIOR** Rig **DUKE # 10**
 Lease **O'BRATE FINNEY** Well No **8-5**
 County **FINNEY CO.** State **KS.**

CEMENT DATA

Spacer Type **10 BBL,S H2O**
 Amt. _____ Sks Yield _____ ft³/sk Density **8.34** PPG

Location _____
 Field _____
 Casing Data Conductor PTA Squeeze Misc.
 Surface Intermediate Production Liner
 Size **8 5/8** Type **J-55** Weight **24 #** Collar _____

LEAD: Time _____ hrs. Type **ALWC 1 CLASS A**
3% CC BWOC, 1/2 LB SK FLOSEAL Excess **100%**

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

3% CC, 1/4 LB/SK FLOSEAL Excess **100%**
 Amt. **200** Sks Yield **1.2** ft³/sk Density **14.83** PPG
 WATER Lead **10.9** Gal/sk Tail **5.2** Gal/sk Total **187** BBLs

Casing Depths Top _____ Bottom **1693.16 FT.**

Pump Trucks Used: **531-541**
 Bulk Equipment **774-744**
994-642

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 **15.698**
 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 **13.605**
 BBLs/LIN. FT _____ LIN. FT/BBL _____
 Perforations From _____ ft to _____ ft Amt _____

Float Equipment: Manufacturer **WEATHERFORD**
 Shoe: Type **GUIDESHOE** Depth **1693.16 FT.**
 Float: Type **AFU INSERTFLOAT** Depth **1650 FT.**
 Centralizers: Quantity **3** Plugs Top **1** Bottom _____
 Stage Collars _____
 Special Equipment **1 basket**
 Disp: Fluid Type **H2O** Amt **105** bbls Weight **8.34** PPG
 Mud Type _____ Weight _____

COMPANY REPRESENTATIVE **ALEX** CEMENTER **Ruben Chavez**

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBLs/MIN	
11:30 PM.						Got To Location Spot Trucks, And Rig Up.
1:40						Have A Prejob Safety Meeting
2:10 AM.	220		2	2	2	Pump 2 BBLs H2O To Fill Pump Lines
2:13						PRESSURE TEST 2000 pumping lines
2:15	220		10	8	4	Start pumpin g spacer 8 bbls h2o
2:18	250		232.3	222.3	7	Start pumping lead cement 625 SK CEMENT, 222.3 bbls slurry.
2:50	260		275.1	42.8	5.5	Start pumpin g tail cement, 200 sk, 42.8 bbls slurry.
2:58						Shut down
						Wash pumping lines
3:02						Drop the plug
	0				5	Start displacement
3:08	150		305.1	30	7	Catch up cement pressure at
3:17	550		370.1	65	3	Slowdown pumping rate to 3 bpm.
3:20	600		380.6	10.5		Finished displacment
	1100					B ump the plug at 1000 PSI
						Circulate 30 bbls slurry to pit.
3:25	1100					Release the pressure; float held good.
						Job finished
						Rig down
						Thankyou

FINAL DISP. PRESS. **600** PSI BUMP PLUG TO **1100** PSI BLEEDBACK **0.5** BBLs **THANK YOU**



CHARGE TO: American Warrior

ADDRESS

CITY, STATE, ZIP CODE

TICKET 28370

PAGE 1 OF 2

SERVICE LOCATIONS: 1. new city KS

WELL/PROJECT NO. 8-5 LEASE Obate Finney COUNTY/PARISH Finney STATE KS CITY GARDEN CITY DATE 15 APR 15 OWNER

2. TICKET TYPE SERVICE SALES CONTRACTOR DUKE RIG NAME/NO. 10 SHIPPED VIA CT DELIVERED TO location ORDER NO.

3. WELL TYPE oil WELL CATEGORY Development JOB PURPOSE cement long string WELL PERMIT NO. WELL LOCATION 5-23-32

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 TRK 114	90	mi			5.00	450.00
578		1			Pump Charge	1	ea			1250.00	1250.00
402		1			Centralizer	5 1/2	in	9	ea	60.00	540.00
403		1			Cement Basket	5 1/2	in	1	ea	250.00	250.00
406		1			Latch down plug & baffle	5 1/2	in	1	ea	225.00	225.00
407		1			Insert float shoe w/ AUTO FILL	5 1/2	in	1	ea	300.00	300.00

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 TIME SIGNED 07:30 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	
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				3015	60
WE UNDERSTOOD AND MET YOUR NEEDS?				5316	38
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				subtotal	8330
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Finney TAX 7.3%	419
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	8750
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					99

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

SWIFT OPERATOR Beckel APPROVAL

Thank You!



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

TICKET CONTINUATION

TICKET No. 28370

CUSTOMER American Warrior
WELL OBrate Finney 8-5
DATE 15 APR 15
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		
325		1				STANDARD cement (for EA-2)	175	sk			12.25	2143.75
284		1				calseal	800	lb	8	sk	30.00	240.00
283		1				salt	900	lb			0.20	180.00
292		1				halad-322	125	lb			8.00	1000.00
276		1				flocele	50	lb			2.25	112.50
290		1				D-AIR		gal			42.00	84.00
281		1				mudflush	500	gal			1.25	625.00
221		1				KCB liquid		gal			25.00	50.00
581		1				SERVICE CHARGE					1.50	262.50
583		1				MILEAGE CHARGE	TOTAL WEIGHT 18325	LOADED MILES 90	TON MILES 82463			618.00

CONTINUATION TOTAL 5315.38

JOB LOG

SWIFT Services, Inc.

DATE 15 APR 15 PAGE NO. 1

CUSTOMER American Warrior WELL NO. 8-5 LEASE OBrate-Finney JOB TYPE Cement long string TICKET NO. 28370

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175 sk SA-2 cement w/ 4# floccle 5 1/2" x 17" casing 4936' total pipe shoe jt 21.4' Centralizer 1, 2, 3, 4 6 8, 10 12, 15 Basket #10
	0250							on loc TRK 114
	0310							start 5 1/2" x 17" casing in well
	0535							Drop ball - circulate
	0622	4	12				200	Pump 500 gal mud flush
		4	20				200	Pump 20 bbl KCL flush
			7					Plug RH - MH 30sk - 20sk
	0636		35					Mix SA-2 cement 125sk @ 15.3 ppg
								Drop latch down plug wash out pump & line
	0655	6 1/4					200	Displace plug
		6 1/4	90				500	
		6 1/4	110				800	
	0715		114				1600	Land plug
								Release pressure to truck - dried up
	0718							wash truck
								Rack up
	0750							job complete thank Blain, Flint & casing