

CEMENTING LOG

Date 6/1/2014 District Liberal # 21 Ticket No. 52772
 Company American Warrior Rig Duke # 10
 Lease TanCayo Well No 1-3
 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 H2O
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG
 LEAD: Time _____ hrs. Type 65/35 6% gel 3% CC
.5# flo seal Excess _____
 Amt. 700 Sks Yield 1.97 ft³/sk Density 12.4 PPG
 TAIL: Time _____ hrs. Type Class A 3%CC .25# flo Seal
 Excess _____
 Amt. 200 Sks Yield 1.18 ft³/sk Density 15.6 PPG
 WATER Lead 10.9 Gal/sk Tail 5.3 Gal/sk Total _____ BBLs

Casing Depths Top 0 Bottom 1676

Pump Trucks Used: 956-550
 Bulk Equipment 774-744
869-554

Drill Pipe: BBLs/LIN. FT _____ LIN. FT/BBL _____
 Open Hole: BBLs/LIN. FT _____ LIN. FT/BBL _____
 Capacity Factors: BBLs/LIN. FT 0.0637 LIN. FT/BBL 15.7
 Casing BBLs/LIN. FT 0.0637 LIN. FT/BBL 15.7
 Open Holes BBLs/LIN. FT 0.1458 LIN. FT/BBL 6.85
 Drill Pipe BBLs/LIN. FT _____ LIN. FT/BBL _____
 Annulus BBLs/LIN. FT 0.0735 LIN. FT/BBL 13.6
 BBLs/LIN. FT _____ LIN. FT/BBL _____
 Perforations From _____ ft to _____ ft Amt _____

Float Equipment: Manufacturer Weather Ford
 Shoe: Type Guide Shoe Depth 1742
 Float: Type AFU Insert Float Depth 1700
 Centralizers: Quantity 3 Plugs Top _____ Bottom _____
 Stage Collars _____
 Special Equipment Cement Basket
 Disp: Fluid Type H2O Amt 108.3 bbls Weight 8.33 PPG
 Mud Type _____ Weight _____

COMPANY REPRESENTATIVE _____

CEMENTER Lenny Baeza

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBLs/MIN	
3:30am						On location @ 3:30am
						Rigging up to well head
5:30am						Safety meeting with rig crew
6:50am	2000					Pressure testing pumping lines to 2000 psi
6:51am	200		10		5	10 bbls of H2O head of cement
6:53am	220		259		5	Mixing lead cement @ 12.4#
7:33am	180		301		4	Mixing Tail cement @ 15.6#
7:46am	0		0		0	End of cement shutting down to release plug
7:50am	120		301		5	Plug left the head and started displacement of 103.9bbls
7:58am	140		451		6	50 bbls gone Cement to surface
8:06am	600		401		5	100 bbls gone 5bpm @ 600 psi
8:15am	1200		404		3	103.9 bbls gone and landed the plug bumped to 1000 psi and holding
						released the psi and float holding
						50 BBLs of cement to surface
						rigging down iron
						Leaving location @ 9:00am
						THANK YOU !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!1

FINAL DISP. PRESS. 600 PSI BUMP PLUG TO 1000 PSI BLEEDBACK 0.5 BBLs THANK YOU



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

TICKET 26337

PAGE 1 OF 2

SERVICE LOCATIONS
 1. Locality KS WELL/PROJECT NO. 1-3 LEASE Tancayo COUNTY/PARISH Finney STATE KS CITY Garden City DATE 10 Jan 14 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 log string WELL PERMIT NO. WELL LOCATION 3-25-31
 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		6.00	540.00
578		1			Pump Charge			1 ea		1500.00	1500.00
402		1			Centralizer			5 1/2 in	9 ea	70.00	630.00
403		1			Cement Basket			5 1/2 in	2 ea	300.00	600.00
406		1			Latch down plug & Gaffle			5 1/2 in	1 ea	275.00	275.00
407		1			Insert float shoe w/ AUTO FILL			5 1/2 in	1 ea	375.00	375.00

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 _____ A.M. P.M.
1300

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO		
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL	3920.00
	6098.13
Subtotal	10,018.13
Finney TAX 7.3%	496.66
TOTAL	10,514.79

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

SWIFT OPERATOR APeybell APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 70 Jun 14 PAGE NO.

CUSTOMER American Warrior WELL NO. 1-3 LEASE Tancayo JOB TYPE cement long string TICKET NO. 26337

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/ 7" floccle 5 1/2" x 17" casing - (9 joint 15.5") TD = 5050 120, ts 5058'
	0230							on loc TRK 114
	0740							start 5 1/2" x 17" casing in well
	1000							Drop ball - circulate
	1110	4	20				200	Pump 500 gal mud flush
		4	12				200	Pump 20 bbl KCL flush
	1118		7					Plug RH - MH 20sk - 20sk
	1125	4 1/2	35				200	Mix SA-2 cement 125sk @ 15.3 ppg
	1141							Drop latch down plug wash out pump & line
	1146	6					200	Displace plug
		6	111				650	
	1200	6	117				1600	Land plug
	1203							Release pressure to truck - dried up
	1209							wash truck
								Rack up
	1245							job complete
								Thanks Blaine, Flint, & Isaac