



# CEMENTING LOG

Date 4/24/2014 District Liberal # 21 Ticket No. 52553  
 Company American Warrior Rig Duke # 10  
 Lease CLARK Well No 4-2  
 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 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 \_\_\_\_\_  
 Amt. 625 Sks Yield 2 ft<sup>3</sup>/sk Density 12.47 PPG \_\_\_\_\_  
 TAIL: Time \_\_\_\_\_ hrs. Type CLASS A  
3%cc,,1/4 floseal Excess \_\_\_\_\_  
 Amt. 200 Sks Yield 1.21 ft<sup>3</sup>/sk Density 15.63 PPG \_\_\_\_\_  
 WATER Lead 10.9 Gal/sk Tail 5.2 Gal/sk Total \_\_\_\_\_ BBLs \_\_\_\_\_

Casing Depths Top \_\_\_\_\_ Bottom 1700

Pump Trucks Used: 531-541  
 Bulk Equipment 868-842  
562-467

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 \_\_\_\_\_

Float Equipment: Manufacturer WEATHERFORD  
 Shoe: Type GUIDE SHOE Depth 1700  
 Float: Type AFU Insert Valve Depth 1658  
 Centralizers: Quantity 3 Plugs Top 1 Bottom \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equipment Cement Basket @ 1053 ft  
 Disp: Fluid Type H2O Amt 105.6 bbls Weight 8.34 PPG \_\_\_\_\_  
 Mud Type \_\_\_\_\_ Weight \_\_\_\_\_

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

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBLs/MIN	
1200AM						ARRIVE TO LOCATION – RUN FLOAT EQUIPMENT
1230AM						RIG UP
200AM						CASING ON BOTTOM
218AM						SAFETY MEETING
234AM	<u>2500</u>					PRESSURE TEST
236AM	<u>30</u>		<u>10</u>		<u>6</u>	10 BBL WATER SPACER
239AM	<u>70</u>		<u>232</u>		<u>6</u>	PUMP 222 BBL OF LEAD SLURRY CEMENT
305AM	<u>60</u>		<u>275</u>		<u>6</u>	PUMP 43 BBL OF TAIL SLURRY CEMENT
332AM					<u>4</u>	RELEASE PLUG- START DISPLACEMENT
338AM	<u>200</u>		<u>295</u>		<u>5</u>	20 BBL GONE
342AM	<u>300</u>		<u>315</u>		<u>5</u>	40 BBL GONE
345AM	<u>420</u>		<u>335</u>		<u>5</u>	60BBLGONE
348AM	<u>550</u>		<u>355</u>		<u>5</u>	80 BBL GONE
351AM	<u>600</u>		<u>375</u>		<u>3</u>	100 BBL GONE SLOW DOWN TO 3 BPM
355AM	<u>660</u>		<u>380</u>		<u>3</u>	BUMP PLUG
400AM						RELEASE PRESSURE, CHECK FLOATS
430AM						RIG DOWN
515AM						LEAVE LOCATION
						40 BBL OF CEMENT BACK



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

TICKET 26270

PAGE 1 OF 2

1. SERVICE LOCATIONS <u>Ness City KS</u>	WELL/PROJECT NO. <u>4-2</u>	LEASE <u>Clark</u>	COUNTY/PARISH <u>Finney</u>	STATE <u>KS</u>	CITY <u>Garden City</u>	DATE <u>5-3-14</u>	OWNER
2. <u>Hays</u>	TICKE TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Duke Drilling</u>	RIG NAME/NO. <u>#10</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>Garden City - 9E, 10s, Kwg, Sinto</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE			90	mi	6 <sup>00</sup>	540 <sup>00</sup>
578		1			Pump Charge - Longstring	1	job			1500 <sup>00</sup>	1500 <sup>00</sup>
402		1			Centralizer	5 1/2	in	9	ea	70 <sup>00</sup>	630 <sup>00</sup>
403		1			Cement Basket	5 1/2	in	1	ea	300 <sup>00</sup>	300 <sup>00</sup>
406		1			Latch Down Plug + Baffle	5 1/2	in	1	ea	275 <sup>00</sup>	275 <sup>00</sup>
407		1			Insert Float Shoe w/Auto Fill	5 1/2	in	1	ea	375 <sup>00</sup>	375 <sup>00</sup>

**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 Alexandrio Ordoveriz  
 DATE SIGNED 5-3-14 TIME SIGNED 1030 5 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	#1	3620 <sup>00</sup>
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				PAGE TOTAL #2	6341 <sup>25</sup>
WE UNDERSTOOD AND MET YOUR NEEDS?				subtotal	9961 <sup>25</sup>
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Finney TAX 7.3%	492 <sup>42</sup>
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TOTAL	10,453 <sup>67</sup>
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO					
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					



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

TICKET CONTINUATION

TICKET No. 26270

CUSTOMER American Warrior  
WELL Clark 4-2  
DATE 5-3-14  
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						
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				Halad 322	3/4	%			150	lbs	8	00	1200	00
276		1				Flocele	1/4	lb			50	lbs	2	50	125	00
290		1				D-Air					4	gal	42	00	168	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							2	00	350	00
583		1				MILEAGE CHARGE							1	00	825	75
						TOTAL WEIGHT									18350	
						LOADED MILES									90	
						TON MILES									825.75	
												CONTINUATION TOTAL		6341.25		

JOB LOG

SWIFT Services, Inc.

DATE 5-3-14 PAGE NO.

CUSTOMER American Warrior WELL NO. 4-2 LEASE Clark JOB TYPE Cement 5 1/2" Longstring TICKET NO. 26270

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0430							on location
								RTD- 5025' LTD- 5023' TP- 5025 SJ- 41.28 5 1/2" 15.5" 121jts centralizer - 1,2,3,4,5,7,9,11,13 Basket - #7
								175 sks EA-2 w/ 1/4" Floccle
	0605							Start 5 1/2" 15.5" casing in well
	0830							Drop Ball Circulate
	0905	8 1/2	12		✓	350	Pump	500gal Mud Flush
		6 1/2	20		✓	350	Pump	20 bbl 14CL Flush
			7-5					Plug RH- MH (30-20)
	0920	4 1/2	30		✓	200		mix 125 sks EA-2 @ 15.5 ppg
								wash out Pump + Lines Release Latch Down Plug
	0940	6 1/2	∅		✓	100		Start Displacement
		6 1/2	88		✓	400		Lift Pressure
		6 1/2	118		✓	400		Max Lift Pressure
	1000	6 1/2	118.6		✓	1500		Land Latch Down Plug
								Release Pressure - Hold -
								wash up Truck
	1030							Job Complete
								Thank You Dave John Isaac