

CEMENTING LOG

Date 7/15/2014 District Liberal # 21 Ticket No. 52783 Spacer Type	District Liberal # 21 Ticket No. 52783 Spacer Type American Warrior Rig Duke #30 Amt. Sks Yield ft*/sk Density PPG	Date 7/15/2014 District Liberal # 21 Ticket No. 52783 Spacer Type	Date 7/15/2014 District Liberal # 21 Ticket No. S2783 Spacer Type	■ ■ ô	IL & GAS SEE	RVICES, LLC				CEMEN	NT DAT	Δ							
American Warrior Rig Duke #10 American Warrior Verifices	American Warrior Rig Duke #10 Amt. Sks Yield ft*/sk Density PPG O'Brate-Finney Well No #5-157win Finney State KS LEAD: Time hrs. Type Class A 3% CC Excess LEAD: Time hrs. Type Class A 3% CC Excess Amt. 300 Sks Yield 1.18 ft*/sk Density 15.6 PPG Surface Intermediate Production Liner Type Weight Collar Amt. Sks Yield 1.18 ft*/sk Density 15.6 PPG WATER Lead 5.2 Gal/sk Tail Gal/sk Total BBLS Top Bottom Pump Trucks Used: 549-550 Bulk Equipment 705-642 BBLS/LIN. FT LIN. FT/BBL Shoe: Type Depth BBLS/LIN. FT LIN. FT/BBL Float Equipment: Manufacturer BBLS/LIN. FT LIN. FT/BBL Float: Type Depth BBLS/LIN. FT LIN. FT/BBL Shoe: Type Depth BBLS/LIN. FT LIN. FT/BBL Shoe: Type Depth BBLS/LIN. FT LIN. FT/BBL Stage Collars BBLS/LIN. FT LIN. FT/BBL Special Equipment BBLS/LIN. FT LIN. FT/BBL Special Equipment BBLS/LIN. FT LIN. FT/BBL Disp: Fluid Type Amt bbls Weight PFG CEMENTER Lenny Baeza	American Warrior Rig Duke #10 Amt. Sks Yield ft*/sk Density PPG	Company American Warrior Rig Duke #10 Miles	Date 7/19	5/2014 Dist	trict Libera	al # 21 Ticl	cet No	52783	******	*								
Lease O'Brate-Finney State KS	O'Brate-Finney Well No #5-157win Finney State KS LEAD: Time hrs. Type Cass A 3% CC Excess Excess Conductor PTA Squeeze Misc. Type Weight Collar Amt. 300 Sks Yield 1.18 ft*/sk Density 15.6 PPG Type Weight Collar Amt. Sks Yield ft*/sk Density PPG WATER Lead 5.2 Gal/sk Tail Gal/sk Total BBLS WATER Lead 5.2 Gal/sk Tail Gal/sk Total BBLS BBLS/LIN.FT LIN. FT/BBL Float Equipment 705-642 BBLS/LIN.FT LIN. FT/BBL Shoe: Type Depth BBLS/LIN.FT LIN. FT/BBL Float: Type Depth BBLS/LIN.FT LIN. FT/BBL Centralizers: Quantity Plugs Top Bottom BBLS/LIN.FT LIN. FT/BBL Special Equipment Special Equipment BBLS/LIN.FT LIN. FT/BBL Disp: Fluid Type Amt bbls Weight PR	County Finney State KS State St	Lease O'Brate-Finney State KS CADITITION State KS LEAD: Time hrs. Type Class A 3% CC	_						Amt.	1,700	Sks	Yield			ft³/sk Densit	v	1	PPG
County Finney State KS Location LEAD: Time hrs. Type Class A 3% CC Field Casing Data Conductor PTA Squeeze Misc. Amt. 300 Sks Yield 1.18 ft*/sk Density 15.6 Size Type Weight Collar Amt. Sks Yield ft*/sk Density MATER Lead 5.2 Gal/sk Tail Gal/sk Total Casing Depths Top Bottom Pump Trucks Used: 549-550 Bulk Equipment 705-642 Drill Pipe: BBLS/LIN. FT LIN. FT/BBL Capacity Factors: BBLS/LIN. FT LIN. FT/BBL Casing B BBLS/LIN. FT LIN. FT/BBL Casing B BBLS/LIN. FT LIN. FT/BBL Capacity Factors: Capacity Factors: Capacity Find the substitute of the su	Finney	County Finney State KS LEAD: Time hrs. Type Class A 3% CC	Country									-					·	_	
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11:50pm Washed pumping line to the pit	Rigged up to the well head 200 63 5 Started to pump 300 sacks of cement total of 63bbls 0 63 5 End of cement and no cement to surface and displace of 3 bbls to clean drill pipe	10:30pm 200 63 5 Started to pump 300 sacks of cement total of 63bbls 11:45pm 0 63 5 End of cement and no cement to surface and displace of 3 bbls to clean drill pipe																	
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DISP.	PRESS.	P	SI BUMP	PLUG TO	PSI BLEET	DBACK	BBLS	THANK YOU



CEMENTING LOG

Date 7/17/2	2014 District	Liberal # 2	1 Ticket No.	52783	Spacer Type					
Company	American	Warrior	Rig	Duke #10	Amt.	Sks Yield		ft³/sk Density		PPG
Lease	O'Brate-Fir	nney	Well No	#5-157win						
County	Finney		State	KS						
Location					LEAD: Time		hrs. Type	Class A 3% CC		
Field									Excess	
		PTA Intermediate	Squeeze Production	Misc.	Amt. 300 TAIL: Time	_Sks Yield	hrs. Type		15.6	PPG
Size	Туре		eight (11 3000000 11 11 11 11 11	TAIL: TIME_				Excess	
5126	туре		eight		Amt.	Sks Viole	1	ft³/sk Density	-	PPG
					- 3790077801		Gal/sk Tail	Gal/sk		BBLS
Casing Depths	Тор		Bottom		Pump Trucks Bulk Equipment					
Drill Pipe:	BBLS/LIN. F	Т	LIN. FT/BBL	·						
Open Hole:	BBLS/LIN. F	Т	LIN. FT/BBL		Float Equipme	ent: Man	ufacturer			
Capacity Facto	rs: BBLS/LIN. F	Т	LIN. FT/BBL						Depth	
Casing	BBLS/LIN. F	т	LIN. FT/BBL		Float: Type				Depth	
Open Holes	BBLS/LIN. F	Т	LIN. FT/BBL		Centralizers:	Quantit	y Plo	ugs Top	Bottom	
Drill Pipe	BBLS/LIN. F	Т	LIN. FT/BBL		Stage Collars					
Annulus	BBLS/LIN. F	Т	LIN. FT/BBL		Special Equip	ment				
	BBLS/LIN. F	т	LIN. FT/BBL		Disp: Fluid	Туре	A	mt bbls	Weight	PPC
Perforations	From	ft to	ft	Amt	Mud Type				Weight	
COMPANY REP	PRESENTATIVE				CEMENTER			Lenny Baeza		

CEMENT DATA

TIME	PRESSU	IRES PSI	FLU	ID PUMPED D	ATA	
AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBLS/MIN	REMARKS
2:45am						Rigged up to the well head
3:10am	200		63		4	Started to pump 300 sacks of cement total of 63bbls
3:45am	0		63		4	End of cement and no cement to surface and displace of 1 bbls to clean
						2 3/8 tubing
3:50am						Washed pumping line to the pit
						Leaving location @ 4:30am
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			200	the last	1 2	Character Control of the Control of
		3	1		W. 13	
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CEMENTING LOG

				ket No.		CEMENT DATA Spacer Type	
Company		rican Warrior		Duke		Amt. Sks Yield ft³/sk Density	PPC
Lease		FINNEY TWI	N We	CONTRACTOR OF THE PROPERTY OF	5-15		
County	F	Inney	Sta	ite I	(s	ISAN T	
						LEAD: Time hrs. Type CLASS A	
Field	Conductor	[] DTA				60/40, 4% GEL, 2%CC Excess Amt. 600 Sks Yield 1.5 ft³/sk Density 13.5	PPC
Casing Data	Surface		_		☐ Misc. ☐ Liner		
Sizo 20						TAIL: Time hrs. Type CLASS A 2%CC Excess	
3126	тур		_ weight _	Collar		Amt. 650 Sks Yield 1.18 ft³/sk Density 15.6	PPC
				197		WATER Lead 7.5 Gal/sk Tail 5.2 Gal/sk Total	
						TITLE COM TO SUIT SUIT SUIT SUIT SUIT SUIT SUIT SUIT	
Casing Dept	hs Top		Bottom	60)	Pump Trucks Used: 903-501	
				3		Bulk Equipment 993-467	
						457-251	
Drill Pipe:		LIN. FT	LIN	I. FT/BBL			
Open Hole:	BBLS/		.1458 LIN	I. FT/BBL		Float Equipment: Manufacturer	
Capacity Fac	ctors: BBLS/	LIN. FT	LIN	I. FT/BBL		Shoe: Type Depth	
Casing	170	LIN. FT	LIN	I. FT/BBL		Float: Type Depth	
Open Holes	BBLS/	LIN. FT	LIN	I. FT/BBL		Centralizers: Quantity Plugs Top Bottom _	
Drill Pipe	BBLS/	LIN. FT 0	.0039 LIN	I. FT/BBL		Stage Collars	
Annulus		LIN. FT	LIN	I. FT/BBL		Special Equipment	
		LIN. FT		ft Am		Disp: Fluid Type Amt bbls Weight Mud Type Weight	PP
						A CONTRACTOR OF THE CONTRACTOR	
COMPANY F	REPRESENTAT	IVE				CEMENTER ALDO ESPINOZA	
TIME	PRESSU	JRES PSI	FLI	JID PUMPED I	DATA	24	
AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBLS/MIN	REMARKS	
700PM						ARRIVE TO LOCATION	
730PM						RIG UP	
900PM						SAFETY MEETING	
910PM						PUMP 300 SK @ 1243 FT	
1015 PM						SHUT DOWN, WEIT FOR CREW TO TAG CEMENT	
840AM						PUMP 800 SK OF CEMENT,	
1015 AM						SHUT DOWN, WEIT FOR CREW TO TAG CEMENT	
408PM						PUMP 150 SK TO SURFACE, RAT, AND MOUSE HOLES	
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