

CEMENTING TREATMENT REPORT



TREATMENT NUMBER GH2013003	DATE 7/18/2013
STAGE 1	JOB TYPE longstring longstring

WELL NAME AND NO. Weirich 32-33	LOCATION (LEGAL) 207 FNL & 228' FEL., Sec 30, T29S R37W	RIG NAME: Patterson UTI 190	CEMENT PUMPER: 23004
FIELD	FORMATION	WELL DATA	FT TOP FT
COUNTY Grant Co	STATE KS	API NO.	
RIG FORMAN Dave Martinez		BIT SIZE	CSG/Liner Size 5 1/2
CEMENT SUPER Gary Hessling		TOTAL DEPTH 3002	WEIGHT 15.5
		MUD TYPE	FOOTAGE 2980.92
		<input type="checkbox"/> BHST	GRADE
		<input type="checkbox"/> BHCT	THREAD
		MUD DENSITY	LESS FOOTAGE (SEE ABOVE)
		MUD VISC	Disp. Capacity 68
			TOTAL: 68

SPECIAL INSTRUCTIONS Cment production casing	Include Footage From Ground Level To Head In Disp. Capacity
	TYPE DEPTH
	TYPE DEPTH
	TYPE DEPTH

Head & Plugs	<input type="checkbox"/> FBG	<input checked="" type="checkbox"/> D.P.	SQUEEZE JOB
<input type="checkbox"/> Double Box 6	WEIGHT	TOOL	TYPE DEPTH
<input type="checkbox"/> Single	GRADE	TAIL PIPE:	SIZE DEPTH
<input type="checkbox"/> Swage	THREADS	TUBING VOLUME	BBLs
<input type="checkbox"/> Knockout	<input type="checkbox"/> New <input type="checkbox"/> Used	CSG VOL BELOW TOOL	BBLs
	DEPTH	TOTAL	BBLs
		ANNULAR VOLUME	BBLs
LIFT PRESSURE 722 psi	BUMP PLUG TO 1722	CEMENT TEMPERATURE:	
PRESSURE LIMIT	NO. of Centralizers 18	WATER QUALITY:	

TIME 0001 to 2400	PRESSURE TBG CSG	VOLUME PUMPED INCR CUM	JOB SCHEDULED FOR TIME: 22:00 DATE: 7/17/2013	ARRIVE ON LOCATION TIME: 21:30 DATE: 7/17/2013	RIG UP TIME: 22:00 DATE: 7/17/2013	LEFT LOCATION 13 11:30 DATE: 7/18/2013
			RATE FLUID TYPE DENSITY			

21:30						Arrive on location
22:00						Rig up pumps and bulk equipment (7-17-13)
23:45						Rig unable to break circulation, need to perforate casing above float collar. Return 8:00 7-18-13
8:54	2000		2		H2o	8.34 Test pumps and lines to 2000 psi. Test good.
8:56		250	73	4	H2o	8.34 pumped 75 bbls H2o ahead.
9:17		375	129	204	Cmt	4 Mix and pump 129 bbls ( 302 sks) 12.5 # lead cement
9:52		80	40	244	Cmt	13.5 Mix and pump 40 bbls ( 140 sks) 13.5 tail cement
10:05		100	67	311	H2o	8.34 Drop plug and start displacement 67 bbls. No float. Cut displacement from 68 ( CV with float) to 67
10:05		100				Pump 5 bbls fresh water displacement/ then pump 62bbls KCL displacement for total of 67 bbls
						Call outs 21 bbls away 4 bpm 200 psi. 42 away 4 bpm 575 psi 64 bbls away 4 bpm 990
						finale lift 990 sent 30 bbls good cement to pit
11:30						rigged down and left location

System Used	No. of Sacks	Yield ft <sup>3</sup> /sk	COMPOSITION OF SYSTEM		SLURRY MIXED	
Lead	302	2.4	25/75 SDC blend 3% P20, 2% S1, 0.25#/sx P29, 0.25#/sx P46 @ 12.5 #/gal		BBLs	DENSITY
Surface Set	140	1.61	Surface set 25:75 (p/G) + 2% P20, 5 lb/sx p42, 2% S1, 0.25 #/sx P46, 15% p167, 2% p20 @ 13.5 # gal		40	13.5

CIRCULATION <input type="checkbox"/> yes <input type="checkbox"/> No	WASHED CASING DOWN <input type="checkbox"/> yes <input type="checkbox"/> No	BREAKDOWN PSI	FINAL 990 PSI
DISPLACEMENT VOL. 67 BBLs	RETURNED TO SURFACE 30	BEFORE PLUG BUMP PRESSURE 990 PSI	RATE 44 BPM

