

CEMENTING TREATMENT REPORT



TREATMENT NUMBER SO2010026	DATE 10/10/2010
STAGE 1	JOB TYPE Long String

WELL NAME AND NO. Unruh 5-18	LOCATION (LEGAL) Sec.18, T29S, R33W	RIG NAME: Pioneer Natural Resources Rig # 3	CEMENT PUMPER: 2305
FIELD Hugoton-Panoma	FORMATION	WELL DATA	BOTTOM
COUNTY Haskell	STATE Kansas	API NO. 15-067-21716-00-00	FT TOP
RIG FOREMAN Ray Gonzales/Tom Beardsley		BIT SIZE 7 7/8	CSG/Liner Size 5 1/2
CEMENT SUPERVISOR Stan Owens		TOTAL DEPTH 3220	WEIGHT 17
		MUD TYPE	FOOTAGE 3200
		<input type="checkbox"/> BHST	GRADE J-55
		<input type="checkbox"/> BHCT	THREAD LT&C
		MUD DENSITY	LESS FOOTAGE SHOE JOINT(S) 42
		MUD VISC	Disp. Capacity 75
		Include Footage From Ground Level To Head In Disp. Capacity	
		TYPE	DEPTH
		DEPTH	TYPE
		TYPE	DEPTH
		DEPTH	DEPTH

SPECIAL INSTRUCTIONS	Head & Plugs	<input type="checkbox"/> TBG	<input type="checkbox"/> D.P.
	<input type="checkbox"/> Double Box 6	WEIGHT	SIZE
	<input type="checkbox"/> Single	GRADE	TOOL
	<input type="checkbox"/> Swage	THREADS	DEPTH
	<input type="checkbox"/> Knockout	<input type="checkbox"/> New <input type="checkbox"/> Used	TAIL PIPE: SIZE DEPTH
		DEPTH	TUBING VOLUME
			CSG VOL BELOW TOOL
			TOTAL
			ANNULAR VOLUME

LIFT PRESSURE	1000	psi	BUMP PLUG TO	1500
PRESSURE LIMIT	1500	psi	NO. of Centralizers	14
			CEMENT TEMPERATURE:	78
			WATER QUALITY:	8 pH
				325 SG
				TEMP 80

TIME	0001 to 2400	PRESSURE	TBG	CSG	VOLUME PUMPED	INCR	CUM	JOB SCHEDULED FOR	TIME:	10:00	DATE:	10/10/2010	ARRIVE ON LOCATION	TIME:	8:00	DATE:	10/10/2010	RIG UP	TIME:	12:00	DATE:	10/10/2010	LEFT LOCATION	TIME:	16:00	DATE:	10/10/2010

TIME	THICKNESS	DEPTH	TEMP	RATE	FLUID TYPE	DENSITY	REMARKS
13:36							Pre job safety meeting.
13:54				0.5	H2O	8.3	Test Pumps and Lines.
13:55	100	20		4	H2O	8.3	Pump H2O ahead.
14:02	120	128		4	CMT	12.5	Mix and pump lead cement @ 12.5 ppg.
14:34	120	35		4	CMT	14.2	Mix and pump tail cement @ 14.2 ppg.
14:44							Shut down and drop top plug.
14:47	750	75		4	H2O	8.3	Pump displacement.
15:07	1500	0.5		0.5	H2O	8.3	Bump plug and check floats. (Held O.K..)
							Call Outs 25 Bbls/400 Psi. 50 Bbls/750 Psi 70 Bbls./1000 Psi. Bumped @ 1500 psi.
							Pumped 40 bbls good cement to the pit.
15:30							Post job safety meeting.

System Used	No. of Sacks	Yield ft ³ /sk	COMPOSITION OF SYSTEM		SLURRY MIXED	
			BLS	DENSITY	BLS	DENSITY
SDC	360	2.06	SDC	128	12.5	
RFC	120	1.25	RFC	35	14.2	

CIRCULATION	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	WASHED CASING DOWN	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	BREAKDOWN	PSI	FINAL	1500	PSI
DISPLACEMENT VOL.	75	BBS	RETURNED TO SURFACE	BEFORE PLUG BUMP	1000	RATE	2 BPM	
			40 Bbls.	PRESSURE				