

CEMENTING TREATMENT REPORT



TREATMENT NUMBER JM2013001	DATE 4/11/2013
STAGE 1	JOB TYPE Longstring

WELL NAME AND NO. Davis 42-12	LOCATION (LEGAL)	RIG NAME: Patterson UTI 190	CEMENT PUMPER: 23005
FIELD	FORMATION	WELL DATA	FT TOP FT
COUNTY Kiowa	STATE CO	API NO.	
RIG FORMAN Dave Martinez		BIT SIZE	CSG/Liner Size 5 1/2
CEMENT SUPER Gary Hessling Jose Madrid		TOTAL DEPTH 6615	WEIGHT 17
		MUD TYPE	FOOTAGE 6597
		<input type="checkbox"/> BHST	GRADE
		<input type="checkbox"/> BHCT	THREAD
		MUD DENSITY	LESS FOOTAGE (SHOE JOINTS) 168
		MUD VISC	Disp. Capacity 149.5
		TOTAL: 149.5	

SPECIAL INSTRUCTIONS	Include Footage From Ground Level To Head In Disp. Capacity												
	<table border="1"> <tr> <td>FLY</td> <td>TYPE</td> <td>DEPTH</td> <td>STAGE TOOL</td> <td>TYPE</td> <td>DEPTH</td> </tr> <tr> <td>SHOE</td> <td>TYPE</td> <td>DEPTH</td> <td></td> <td>TYPE</td> <td>DEPTH</td> </tr> </table>	FLY	TYPE	DEPTH	STAGE TOOL	TYPE	DEPTH	SHOE	TYPE	DEPTH		TYPE	DEPTH
FLY	TYPE	DEPTH	STAGE TOOL	TYPE	DEPTH								
SHOE	TYPE	DEPTH		TYPE	DEPTH								

Head & Plugs	<input type="checkbox"/> TBG	<input checked="" type="checkbox"/> D.P.	SQUEEZE JOB
<input type="checkbox"/> Double Box 6	WEIGHT	SIZE	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

LIFT PRESSURE 1322 psi	NO. of Centralizers 9	ARRIVE ON LOCATION TIME: 13:30 DATE: 4/11/2013	RIG UP TIME: 23:00 DATE: 4/11/2013	LEFT LOCATION TIME: 5:30 DATE: 4/12/2013
PRESSURE LIMIT 4151 psi	BUMP PLUG TO 1700	WATER QUALITY: pH SG TEMP	CEMENT TEMPERATURE:	ANNULAR VOLUME BBLs
			TOTAL BBLs	

TIME	PRESSURE TBG	PRESSURE CSG	VOLUME PUMPED INCR	VOLUME PUMPED CUM	RATE	FLUID TYPE	DENSITY	DESCRIPTION
00:01 to 24:00								
13:30								Arrive on location
23:00								Rig up pumps and bulk equipment
0:00								Held safety meeting
0:57		3000						Test pumps and lines to 3000 psi. Test good.
1:02		300	160		4	H2o	8.34	pumped 160 H2o ahead. Cirrculation at 1 bbls away
1:55		450	70	230	3	Cmt	12.5	Mix and pump 70 bbls ( 193 sks) 12.5 SDC lost Circulation 60bbls away
2:36		75	81	311	2.5	Cmt	13.5	Mix and pump 70 bbls ( 193 sks) 13.5 (P:G)
3:03		55	149.5	460	2.5	H2o	8.34	Started Displacment gain circulation at 17bbls away
3:40		1322						Call out for displacement 45bbls 75 psi 4 bpm, 90 bbls 250psi 3.5bpm, 135 bbls 1000 psi 3.5 bpm
3:47		1700						Land plug at 1700 psi. Held for 10 min. Checked float. Held
4:20								Rig down and left location

System Used	No. of Sacks	Yield ft <sup>3</sup> /sk	COMPOSITION OF SYSTEM		SLURRY MIXED	
			BBLs	DENSITY	BBLs	DENSITY
SDC	193	2.04	25/75 SDC Blend + 3% p20, 2% S1, 0.25 lb/sx P29, .25 lb/sx P46 @ 12.5lb/gal		70	12.5
Surface set	278	1.65	35:65 (P:G) +2% P20, 4% P13, 12.5 lb/sx P42, 5lb/sx P154,.25lb/sx P46 @ 13.5lb/gal		81	13.5

CIRCULATION <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	WASHED CASING DOWN <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	BREAKDOWN 400 PSI	FINAL 1700 PSI
DISPLACEMENT VOL. 149.5 BBLs	RETURNED TO SURFACE No	BEFORE PLUG BUMP PRESSURE 1322 PSI	RATE 1 BPM