

CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC	DATE 16-APR-13	F.R. # 1001979996	SERV. SUPV. Jonathan M Schulz
LEASE & WELL NAME KNOCHE TRUST 2408 #31-1 - API 1515521610000	LOCATION 31-24S-8W		COUNTY-PARISH-BLOCK Reno Kansas
DISTRICT McAlester	DRILLING CONTRACTOR RIG #		TYPE OF JOB Intermediate

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
	Provided by Customer						

MATERIALS FURNISHED BY BJ	LAB REPORT NO.	PHYSICAL SLURRY PROPERTIES						
		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
SealBond Spacer			8.45				40	
C15:85:8 + 4pps Kolseal+10%Salt+1/4ppsCelloflake +		235	12.4	2.45	13.52	05:45	100	73.77
C50:50:2 +4pps Kolseal+ .15% FI-52+5%Salt+1/4ppsC		85	14.2	1.32	5.66	04:33	21	12.04
fresh water			8.34				163	

Available Mix Water <u>400</u> Bbl.	Available Displ. Fluid <u>300</u> Bbl.	TOTAL <u>324</u> <u>85.81</u>
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HOLE			TBG-CSG-D.P.						COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
8.75		4309	6.366	7	23	CSG	4291	4291	L-80			

LAST CASING				PKR-CMT RET-BR PL-LINER				PERF. DEPTH		TOP CONN		WELL FLUID	
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE	DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
8.9	9.625	36	CSG	364	364			4600	4600	7	8RD		

DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		MIX WATER
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator	Rig Tank
163	BBLS	fresh water	8.34	800						4000	Rig Tank

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: Arrive on location 1300, Top drive broke down, Running Casing,

PRESSURE/RATE DETAIL						EXPLANATION					
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>					
	PIPE	ANNULUS				TEST LINES 5200 PSI					
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>					
13:00						Arrive on location					
00:00				40	SPACER	rig pumps sealbond spacer					
00:28	5300				WATER	test pumps & lines					
00:33	113		4		LEAD	open well/start lead slurry 12.4ppg					
00:57	300		4	100	LEAD	end lead slurry/start tail slurry 14.2ppg					
01:04	115		3	21	TAIL	end tail slurry					
01:11	96		3		WATER	drop TRP/start displacement					
01:30	300		5	60	WATER	catch cement slow rate to 4bpm					
01:51	1038		4	150	WATER	bbls pumped slow rate to bump					
01:56	1550		3	163	WATER	bump plug/conduct casing test					
02:02	1560					end test					
02:03	0			- .75		check floats/ holding/ bbls back					
						Calculated Top of Lead 874'					
						Calculated Top of Tail 3785'					
						Thanks for Using BHI Pressure Pumping					
						Jonathan Schulz & Crew					

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	SERVICE SUPERVISOR SIGNATURE:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1550	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	324	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	