

## 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% Fl-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		400		Bbl.		Available Displ. Fluid		300		Bbl.		TOTAL	324	85.81
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			
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								