

# CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC	DATE 22-APR-13	F.R. # 1001981689	SERV. SUPV. James Kirkpatrick
LEASE & WELL NAME KNOCHE TRUST 2408 #31-1H - API 1515521611000	LOCATION 31-24S-8W		COUNTY-PARISH-BLOCK Reno Kansas
DISTRICT McAlester	DRILLING CONTRACTOR RIG # NABORS 102		TYPE OF JOB Intermediate

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
	No Shoe, Cust sup						

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, RIG TO PUMP			8.45				40	
15:85c,0.01%staticfree,10%salt,0.25ppscelloflake,4	125103079	235	12.4	2.45	13.52	05:10	103	75.99
50:50c,0.01%staticfree,5%salt,0.25ppscelloflake,4p	125103080	85	14.2	1.32	5.66	05:10	20	11.46
H2O			8.34				162	

Available Mix Water	150	Bbl.	Available Displ. Fluid	300	Bbl.	TOTAL	325	87.45
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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		4300	6.276	7	26	CSG	4290	4290	L-80	4290	4241	

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		350	350			4600	4600	7	8RD	WATER BASED MU	9.4

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
162	BBLS	H2O	8.34	900					7968	1500	RIG

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NO PROBLEMS

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 2500 PSI					
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>					
09:50	2500				H2O	TEST, START LEAD CEMENT @ 12.4 #					
10:30	100		5.5	103	LEAD CMT	PUMP LEAD CEMENT, START TAIL CEMENT @ 14.2#					
10:45	120		5	20	TAIL CMT	PUMP TAIL CEMENT, PLUG AWAY, DISPLACE					
11:20	900		3	150	H2O DISP	150 BBL INTO DISPLACEMENT, CEMENT RETURNS TO SURFACE, CONTINUE DISPLACEMENT					
11:25	975		3	162	H2O DISP	PUMP 162 BBL DISPLACEMENT, BUMP PLUG 2 975 PSI, TOOK PRESSURE UP TO @ 1500 PSI AND HOLD 10 MINUTES					
11:35	1500					HOLD 10 MINUTES, BLEED OFF TO CHECK FLOAT, HOLDING, RIG DOWN					
						LEAD CEMENT : 235 SACKS 15:85 C + 0.01% STATIC FREE + 10% SALT + 0.25 PPS CELLOFLAKE + 4 PPS KOLSEAL + 0.6% SMS + 8% GEL					
						TAIL CEMENT : 85 SACKS 50:50 C + 0.01% STATIC FREE + 5% SALT + 0.25 PPS CELLOFLAKE + 4 PPS KOLSEAL + 0.3% FL-52 + 15% SMS + 2% GEL					
						12 BBL CEMENT RETURNS TO SURFACE					
						THANK YOU FOR USING BAKER HUGHES, JIM AND 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	900	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	12	285	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	