

# CEMENT JOB REPORT



<b>CUSTOMER</b> SHELL WESTERN E & P INC		<b>DATE</b> 07-FEB-13	<b>F.R. #</b> 1001963626		<b>SERV. SUPV.</b> James Kirkpatrick								
<b>LEASE &amp; WELL NAME</b> RANDOLPH TRUST 2107 #31-1 - API 151592272200			<b>LOCATION</b> 31-21S-7W		<b>COUNTY-PARISH-BLOCK</b> Rice Kansas								
<b>DISTRICT</b> McAlester		<b>DRILLING CONTRACTOR RIG #</b> Patterson 264			<b>TYPE OF JOB</b> Surface								
<b>SIZE &amp; TYPE OF PLUGS</b>		<b>LIST-CSG-HARDWARE</b>		<b>MECHANICAL BARRIERS</b>		<b>MD</b>	<b>TVD</b>	<b>HANGER TYPES</b>		<b>MD</b>	<b>TVD</b>		
9-5/8" Top Cem Plug, Nitrile cvr, Phe		No Shoe, Cust Sup											
<b>MATERIALS FURNISHED BY BJ</b>				<b>LAB REPORT NO.</b>		<b>PHYSICAL SLURRY PROPERTIES</b>							
Class C,0,01%Staticfree,2%CACL2,0.25%ppsCelloflak						<b>SACKS OF CEMENT</b>	<b>SLURRY WGT PPG</b>	<b>SLURRY YLD FT</b>	<b>WATER GPS</b>	<b>PUMP TIME HR:MIN</b>	<b>Bbl SLURRY</b>	<b>Bbl MIX WATER</b>	
H2O						375	14.8	1.35	6.34	02:45	90	56.64	
H2O							8.34				37		
H2O							8.34				20		
<b>Available Mix Water</b> 100 Bbl.		<b>Available Displ. Fluid</b> 300 Bbl.		<b>TOTAL</b>						147	56.64		
<b>HOLE</b>			<b>TBG-CSG-D.P.</b>						<b>COLLAR DEPTHS</b>				
<b>SIZE</b>	<b>% EXCESS</b>	<b>DEPTH</b>	<b>ID</b>	<b>OD</b>	<b>WGT.</b>	<b>TYPE</b>	<b>MD</b>	<b>TVD</b>	<b>GRADE</b>	<b>SHOE</b>	<b>FLOAT</b>	<b>STAGE</b>	
12.25		530	8.921	9.625	36	CSG	520	520	J-55	520	477		
<b>LAST CASING</b>			<b>PKR-CMT RET-BR PL-LINER</b>			<b>PERF. DEPTH</b>			<b>TOP CONN</b>		<b>WELL FLUID</b>		
<b>ID</b>	<b>OD</b>	<b>WGT</b>	<b>TYPE</b>	<b>MD</b>	<b>TVD</b>	<b>BRAND &amp; TYPE</b>	<b>DEPTH</b>	<b>TOP</b>	<b>BTM</b>	<b>SIZE</b>	<b>THREAD</b>	<b>TYPE</b>	<b>WGT.</b>
18	18	47		60	60					9.625	8RD	WATER BASED MU	8.9
<b>DISPL. VOLUME</b>		<b>DISPL. FLUID</b>		<b>CAL. PSI</b>	<b>CAL. MAX PSI</b>	<b>OP. MAX</b>	<b>MAX TBG PSI</b>		<b>MAX CSG PSI</b>		<b>MIX WATER</b>		
<b>VOLUME</b>	<b>UOM</b>	<b>TYPE</b>	<b>WGT.</b>	<b>BUMP PLUG</b>	<b>TO REV.</b>	<b>SQ. PSI</b>	<b>RATED</b>	<b>Operator</b>	<b>RATED</b>	<b>Operator</b>			
37	BBLs	H2O	8.34	250					2816	700	RIG		
<b>EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NO PROBLEMS</b>													
<b>PRESSURE/RATE DETAIL</b>						<b>EXPLANATION</b>							
<b>TIME HR:MIN.</b>	<b>PRESSURE - PSI</b>		<b>RATE BPM</b>	<b>Bbl. FLUID PUMPED</b>	<b>FLUID TYPE</b>	<b>SAFETY MEETING: BJ CREW</b> <input checked="" type="checkbox"/> <b>CO. REP.</b> <input checked="" type="checkbox"/>							
	<b>PIPE</b>	<b>ANNULUS</b>				<b>TEST LINES</b> 2500 PSI							
						<b>CIRCULATING WELL - RIG</b> <input checked="" type="checkbox"/> <b>BJ</b> <input type="checkbox"/>							
03:20	3400				H2O	TEST, START H2O AHEAD							
03:30	90		4	20	H2O	PUMP 20 BBL H2O AHEAD, START CEMENT @ 14.8#							
03:45	150		4	77	CEMENT	77 BBL INTO CEMENT, CEMENT RETURNS TO SURFACE, CONTINUE PUMPING CEMENT							
03:50	170		4	90	CEMENT	90 BBL CEMENT PUMPED, SHUT DOWN, DROP PLUG, START DISPLACEMENT							
04:05	200		2.8	37	H2O	37 BBL DISPLACEMENT, BUMP PLUG, TEST FLOAT, HOLDING							
						50 BBL CEMENT RETURNS TO SURFACE							
						CEMENT: 375 SACKS CLASS C + 0.01% STATIC FREE + 2% CELLOFLAKE							
						THANK YOU FOR USING BAKER HUGHES, JIM AND CREW							
<b>BUMPED PLUG</b>	<b>PSI TO BUMP PLUG</b>	<b>TEST FLOAT EQUIP.</b>	<b>BBL.CMT RETURNS/ REVERSED</b>	<b>TOTAL BBL. PUMPED</b>	<b>PSI LEFT ON CSG</b>	<b>SPOT TOP OUT CEMENT</b>	<b>SERVICE SUPERVISOR SIGNATURE:</b>						
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	200	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	50	147	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N							