

CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC	DATE 17-FEB-13	F.R. # 1001965992	SERV. SUPV. Chad Mathis
LEASE & WELL NAME RANDOLPH TRUST 2107 #31-1H - API 15159227230	LOCATION 31-21S-7W		COUNTY-PARISH-BLOCK Rice Kansas
DISTRICT McAlester	DRILLING CONTRACTOR RIG # Patterson 264		TYPE OF JOB Intermediate

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
7" Top Cem Plug, Nitrile cvr, Phen	Shoe 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 25 (w/45lb bag)			8.45				40	
C15:85:8 + 0.01% Static Free+ 10% Salt + 0.25lb/sc		225	12.4	2.45	13.52	05:30	98.16	72.42
C50:50:2+0.01 Static Free+ 5%Salt + 0.25Lb/sck Cel		85	14.2	1.32	5.66	03:45	19.94	11.43
Displacement			8.34				144.4	

Available Mix Water _____ Bbl.	Available Displ. Fluid _____ Bbl.	TOTAL	302.5	83.85
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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		3818	6.276	7	26	CSG	3813	3486		3813	3774.85	

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		500	500			4600	4600	7	8 RD	WATER BASED MU	9.5

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	
144.4	BBLS	Displacement	8.34	800					9960	7960	Rig Tank

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING:

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 4000 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
19:00						ARRIVE ON LOCATION	
03:45						PRE-JOB SAFETY MEETING	
04:30				40	SEALBOND	RIG PUMPED SEALBOND SPACER	
05:07	4000					TEST LINES TO 4000 PSI	
05:10						START LEAD SLURRY	
05:35	280		4.5	98.17	LEAD CMT	FINISH LEAD, START TAIL SLURRY	
05:46	50		4	19.98	TAIL CMT	FINISH TAIL SLURRY, SHUT DOWN	
05:52						DROP PLUG, START DISPLACEMENT	
06:04	300		5	50	WATER	CAUGHT CEMENT, SLOW RATE TO 4 BPM	
06:22	750		4	120	WATER	SLOW RATE TO BUMP PLUG	
06:27	800		2.5	140	WATER	4 BBLS OF CEMENT BACK TO SURFACE	
06:30	850		2.5	144	WATER	BUMP PLUG, PRESSURED UP TO 1500 PSI HELD FOR 10 MIN	
06:40	1500					RELEASED PRESSURE GOT .5 BBLS BACK TO PUMP TRUCK	
						225 SACKS LEAD: (15:85) POZ (CLASS C) + 8% GEL + 4PPS KOLSEAL + 10% SALT + 0.01% STATIC FREE + 0.6% SMS+ 1/4 PPS CELLOFLAKE + 0.006 GPS FP-6L	
						85 SACKS TAIL: 50/50 POZ (CLASS C) + 2% GEL + 4 PPS KOLSEAL + 0.3 % FL-52 + .15% SMS + 5% SALT + 0.01% STATIC FREE + 1/4 PPS CELLOFLAKE + 0.006 GPS FP-6L	
						TOC TAIL: 3119.76'	

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	PIPE	ANNULUS				TEST LINES 4000 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	<u>SERVICE SUPERVISOR SIGNATURE:</u>
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1500	Y <input checked="" type="checkbox"/> N	4	302.55	0	Y <input checked="" type="checkbox"/> N	