

# CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC	DATE 25-APR-13	F.R. # 1001981692	SERV. SUPV. James Kirkpatrick
LEASE & WELL NAME HEDRICK 2106 #19-1 - API 15159227160000	LOCATION 19-21S-6W		COUNTY-PARISH-BLOCK Rice Kansas
DISTRICT McAlester	DRILLING CONTRACTOR RIG # Nabors 180		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				60	
15:85c,0.01%staticfree,10%salt,0.25ppscelloflake,4	125103098	377	12.4	2.45	13.52	03:52	166	122.46
50:50c,0.01%staticfree,5%salt,0.25ppscelloflake,4p	125103099	85	14.2	1.32	5.66	03:17	20	11.46
H2O			8.34				157	

Available Mix Water	150	Bbl.	Available Displ. Fluid	300	Bbl.	TOTAL	403	133.93
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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		4027	6.366	7	23	CSG	3984	3984	J-55	3984	3947	

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
157	BBLS	H2O	8.34	900					7968	1100	RIG

**EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: BULK TRUCK MALFUNCTION**

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 3000 PSI					
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>					
06:30	3000				H2O	TEST, STRAT LEAD CMT 12.4#					
07:25	50		5.5	166	LEAD CMT	PUMP LEAD CMT, START TAIL CMT 14.2#					
07:32	35		4	20	TAIL CMT	FINISH TAIL CMT, DROP PLUG, START DISPLACMENT					
07:50	410		4	54	H2O	CMT BACK TO SURFACE, CONTINUE DISPLACMENT					
08:20	1100		4	157	H2O	PUMP 157 BBLS DISPLACMENT, NO BUMP, BLEED OFF CHECK FLOAT, MONITOR 15 MIN.					
						100 BBLS CMT RETURN TO SURFACE, RETURNS THROUGH OUT JOB					
						LEAD CEMENT : 377 SACKS 15:85 C + 0.01% STATIC FREE + 10% SALT + 0.25 PPS CELLOFLAKE + 4 PPS KOL SEAL + 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 + 0.15% SMS + 2% GEL					
						MONITOR 15 MINUTES AFTER CHECKING FLOAT					
						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:
Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	100	343	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	