

CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC	DATE 18-APR-13	F.R. # 1001980519	SERV. SUPV. James Kirkpatrick
LEASE & WELL NAME HEDRICK 2106 #19-1H - API 15159227170000	LOCATION 19-21S-6W		COUNTY-PARISH-BLOCK Rice Kansas
DISTRICT McAlester	DRILLING CONTRACTOR RIG # Nabors 180		TYPE OF JOB Surface

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
9-5/8" Top Cem Plug, Nitrile cvr, Phe	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
H2O			8.34				20	
c,0.01%staticfree,2%cacl2,0.25ppscelloflake	125103077	270	14.8	1.35	6.34	03:07	65	40.81
H2O			8.34				26	
Available Mix Water _____ 150 _____ Bbl.		Available Displ. Fluid _____ 300 _____ Bbl.		TOTAL			111	40.81

HOLE			TBG-CSG-D.P.						COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
12.25		386	8.921	9.625	36	CSG	376	376	J-55	376	335	

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.
18.	18	47.		60	60					9.625	8RD	WATER BASED MU	8.9

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
26	BBLS	H2O	8.34	250					2816	1150	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"/>	
01:40	2500				WATER	TEST, START H2O AHEAD	
01:45	300		4	20	WATER	END WATER AHEAD, START CEMENT @14.8	
02:05	100		4.5	65	CEMENT	END CEMENT, DROP PLUG, START DISPLACEMENT	
02:15	200		2.5	26	WATER	END DISPLACEMENT, BUMP PLUG @ 200, PRESSURE UP 1150 PSI	
02:30	1150					HELD PRESSURE 15 MIN. BLEAD OFF FLOAT HOLDING	
						CEMENT : 270 SKS CLASS C + 0.01%STATIC FREE+2%CACL2+0.25PPS CELLOFLAKE	
						25 BBL CEMENT TO SURFACE	
						THANK YOU FOR USING BAKERHUGHES JIM AN 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	200	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	25	111	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	