

CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC	DATE 19-APR-13	F.R. # 1001980527	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 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
WATER			8.34				20	
c,0.01%staticfree,2%cacl2,0.25ppscelloflake	125103076	270	14.8	1.35	6.34	03:43	65	40.81
Water			8.34				26	
Available Mix Water <u>150</u> Bbl.		Available Displ. Fluid <u>300</u> 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		385	8.921	9.625	36	CSG	378	378	J-55	378	337	

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	Water	8.34	200					2816	1150	RIG

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

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"/>	
02:05	2900				H2O	TEST, START H2O AHEAD	
02:15	310		5	20	H2O	20 BBL H2O SPACER, START CEMENT @ 14.8#	
02:25	170		5	65	CEMENT	PUMP CEMENT, DROP PLUG, START DISPLACEMENT	
02:35	185		3	26	H2O DISP	BUMP PLUG @ 185 PSI, TOOK PRESSURE UP TO @ 1150, HOLD 15 MINUTES	
02:50	1150					HELD 15 MINUTES, BLEED OFF, FLOAT HOLDING, RIG DOWN	
						25 BBL CEMENT RETURNS TO SURFACE	
						CEMENT : 270 SACKS CLASS C + 0.01% STATIC FREE + 2% CaCl2 + 0.25 PPS CELLOFLAKE	
						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	N 185	<input checked="" type="checkbox"/> Y	N 25	111	0	Y <input type="checkbox"/> N	