

CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC	DATE 11-MAR-13	F.R. # 1001971030	SERV. SUPV. Jonathan M Schulz
LEASE & WELL NAME REFFNER 2308 #4-1HN - API 15155216290000	LOCATION 4-23S-8W		COUNTY-PARISH-BLOCK Reno Kansas
DISTRICT McAlester	DRILLING CONTRACTOR RIG # Patterson 264		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	Float Shoe 9-5/8 - 8rd						

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
Fresh Water Spacer		0	8.34	0	0	00:00	20	
C + 1/4pps Celloflake		270	14.8	1.35	6.34	02:45	83 52.11	
Fresh Water Disp.		0	8.34	0	0	00:00	22	
Available Mix Water <u>400</u> Bbl. Available Displ. Fluid <u>340</u> Bbl.		TOTAL					<u>125</u>	<u>52.11</u>

HOLE			TBG-CSG-D.P.						COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
12.25	100	343	8.921	9.625	36	CSG	327	327	J-55	327	281.24	1

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.	CSG	60	60	Packer - N/A		0	0	0	9.625	8RD	WATER BASED MU	8.5

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	Rig Tank
22	BBLs	Fresh Water Disp.	8.34	94	94	2800	0	0	2800	1500	Rig Tank

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: Arrive on location @ 730, Drilling hole, Rig Repairs, Running Casing, Pull Casing out of hole, Ream Hole w/DP, Rerun casing

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 2800 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
13:39	2800				WATER	test pumps & lines	
13:40	167		5		WATER	open well/start water spacer ahead	
13:45	253		5	20	WATER	end water spacer/start slurry 14.8ppg	
14:03	135		4	83	SLURRY	end slurry/shutdown	
14:05	71		2		WATER	drop TRP/start displacement	
14:07	141		4	6	WATER	bbls pumped when cement to surface	
14:11	930		3	22	WATER	bump plug/shutdown/start casing test	
14:21	919					end casing test	
14:22	0			-.125		check floats/ holding/ bbls back	
						16bbls of cement return to surface	
						Thanks for using BHI Pressure Pumping	

Jonathan Schulz & 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"/> N	930	<input checked="" type="checkbox"/> N	16	125	0	Y <input checked="" type="checkbox"/> N	