

CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC	DATE 09-MAR-13	F.R. # 1001971024	SERV. SUPV. Jonathan M Schulz
LEASE & WELL NAME REFNER 2308 #4-2HS - API 15155216310000	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	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
water			8.34				22	
C+ 2% CaCl +.25pps Celloflake		270	14.8	1.35	6.34	02:45	64	40.18
Water			8.34				23	
Available Mix Water <u>400</u> Bbl.		Available Displ. Fluid <u>340</u> Bbl.		TOTAL			<u>109</u>	<u>40.18</u>

HOLE			TBG-CSG-D.P.							COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
12.25		347	8.921	9.625	36	CSG	342	342	J-55			

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	47.4		60	60						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	
23	BBLS	Water	8.34	130					2800	1500	rig tank

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: Arrive on location 0700, Drilling, Short Trip, TOOH, Run 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 3800 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
07:00						Arrive on location	
16:33	3800				WATER	test pumps & lines	
16:35	138		4		WATER	open well/start water spacer ahead	
16:39	134		5	22	WATER	end water spacer ahead/ start slurry @ 14.8ppg	
16:53	130		4	64	SLURRY	end slurry/shutdown	
16:57	130		4		WATER	drop TRP/start displacement	
17:01	84		4	18	WATER	bbls pumped when cement to surface	
17:03	500		3	23	WATER	bump pplug/shutdown	
17:05	300				WATER	attempt to rebump plug	
17:08	0			.125	WATER	check floats/ holding/bbls back	

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	300	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	5	109	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	