

# CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC	DATE 21-FEB-13	F.R. # 1001966006	SERV. SUPV. James Kirkpatrick
LEASE & WELL NAME YOUNG TRUST 2309 #35-1 - API 15155216120000	LOCATION 35-23S-9W		COUNTY-PARISH-BLOCK Reno Kansas
DISTRICT McAlester	DRILLING CONTRACTOR RIG # NABORS 102		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	
Class C, 2%CaCl <sub>2</sub> , 0.25pps Cell of flake, 0.01% Static free	125102883	270	14.8	1.35	6.34	03:10	65	40.81
H2O			8.34				24	
Available Mix Water <u>110</u> Bbl.		Available Displ. Fluid <u>300</u> Bbl.		<b>TOTAL</b>				
						<b>109</b>		<b>40.81</b>

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	343	343	J-55	343	301	

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	8.8

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	
24	BBLs	H2O	8.34	250					2816	600	RIG

**EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: PUMP FROZE UP, MINUS ZERO DEGREES TEMPERATURE**

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"/>					
09:35	675				H2O	TEST PUMP AND LINES, ICE PLUG IN LINE, FIX PROBLEM AND TRY AGAIN					
09:50	690				H2O	PRESSURE UP, LINE CLEAR, START H2O AHEAD					
10:15	250		4	20	H2O	PUMP 20 BBL H2O SPACER, START CEMENT @ 14.8 #					
10:50	140		4	58	CEMENT	PUMP 58 BBL CEMENT, CEMENT RETURNS TO SURFACE, CONTINUE PUMPING CEMENT					
10:53	150		4	65	CEMENT	PUMP 65 BBL CEMENT, SHUT DOWN, DROP PLUG, START DISPLACEMENT					
11:10	100		4	24	H2O	PUMP 24 BBL DISPLACEMENT, BUMP PLUG, BRING PRESSURE 500 PSI OVER BUMP TO 600 PSI, HOLD FOR TEN MINUTES					
11:20	550					HOLD TEN MINUTES, BLEED OFF, FLOAT HOLDING					
						AROUND 31 BBL CEMENT RETURNS TO SURFACE					
						CEMENT : 270 SACKS CLASS C + 2% CACL + 0.25 PPS CELLOFLAKE + 0.01% STATIC FREE					
						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 100	<input checked="" type="checkbox"/> Y	N 31	109	0	Y <input checked="" type="checkbox"/> N	