

CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC	DATE 04-MAR-13	F.R. # 1001968576	SERV. SUPV. Jonathan M Schulz
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 Intermediate

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
7" Top Cem Plug, Nitrile cvr, Phen	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
Seal Bond Spacer 25			8.5				40	
C15:85:8 + 10%Salt+ .6%SMS+ 4ppsKolSeal+ .25pps C		200	12.4	2.45	13.52	05:00	87	64.18
C50:50:2 + 5%Salt+ .3%FL-52+.15%SMS+4ppsKol		85	14.2	1.32	5.66	03:45	20	11.46
Fresh Water			8.34				166	
Available Mix Water <u>400</u> Bbl.		Available Displ. Fluid <u>300</u> Bbl.		TOTAL			<u>313</u>	<u>75.65</u>

HOLE			TBG-CSG-D.P.						COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
8.75		4269	6.366	7	23	CSG	4255	4255	L-80			

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.
8.9	9.625	36	CSG	338	338			4600	4600	7	8RD	WATER BASED MU	9.1

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
166	BBLS	Fresh Water	8.34	760						2500	Rig tank

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: Arrive on location @ 200, Running 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 3900 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
02:00						Arrive on location	
12:15				40	SPACER	Rig pumps Spacer	
12:44	3983				WATER	test pumps & lines	
12:47	275		3		LEAD	open well/start lead slurry @ 12.4ppg	
13:13	499		4	87	LEAD	end lead slurry/start tail slurry @ 14.2ppg	
13:19	113		3	20	TAIL	end tail slurry/shutdown	
13:23	82		5		WATER	drop TRP/start displacement	
13:53	1525		3	166	WATER	bump plug/shutdown/ start casing test	
13:58	1527					end casing test	
13:59	0			-1		check floats/ holding/ 1 bbls return	
						Calculated Top of Tail 3755'	
						Calculated Top of Lead 1249'	
						Lead Slurry: C15:85:8 + 10% bwow Salt+ .25pps Celloflake + 4pps KolSeal +.6%bwoc Sodium Metasilicate	
						Tail Slurry: C 50:50:2 + .25pps Celloflake + 4pps KolSeal + .15% Sodium Metasilicate +5% Salt	
						Thanks for Using BHI Pressure Pumping	
						Jonathan Schulz & Crew	

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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 3900 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
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	1525	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	313	0	Y <input checked="" type="checkbox"/> N	