

CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC	DATE 14-OCT-12	F.R. # 1001941157	SERV. SUPV. JONATHAN M SCHULZ III
LEASE & WELL NAME HUDGENS 3307 #10-1 - API 15077218510000	LOCATION 10-33S-7W		COUNTY-PARISH-BLOCK Harper 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
Sealbond Spacer			8.45				40	
C15:85:8 + 10%Salt + 4pps Kolseal + .6% SMS + .25p		175	12.4	2.45	13.52	05:00	73	53.85
C50:50:2 + .3% FL-52 + .15%SMS +5% Salt + .25pps C		85	14.2	1.32	5.66	03:45	19	10.89
water			8.34				200	

Available Mix Water <u>500</u> Bbl.	Available Displ. Fluid <u>400</u> Bbl.	TOTAL	<u>332</u>	<u>64.75</u>
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HOLE			TBG-CSG-D.P.						COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
8.75		5141	6.366	7	23	CSG	5131	5131	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	565	565				4600	4600	7	8RD	WATER BASED MU	9.4

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
200.8	BBLS	water	8.34	630					4600	3000	Rig tank

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING:

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 4089 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
06:00						Arrive on location	
15:00				40	SPACER	rig pumps sealbond spacer	
15:16	4089				WATER	test pumps & lines	
15:27	494		4		LEAD	open well/start lead slurry @ 12.4ppg	
15:48	88		4	73	LEAD	end lead slurry/start tail slurry @ 14.2ppg	
15:55	100		4	19	TAIL	end tailslurry/ shutdown	
15:57	64		4		WATER	drop trp/start displacement	
16:27	215		4	140	WATER	bbls pumped see lift	
16:44	1205		3	200	WATER	bump plug to psi/ hold 10 minutes	
16:57	0			-1		check floats/ holding/ bbls reutnr	
						Calculated top of tail 4631'	
						Calculated top of lead 2473'	

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	1205	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	332	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	