

CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC	DATE 29-APR-13	F.R. # 1001983686	SERV. SUPV. Jonathan M Schulz
LEASE & WELL NAME HEDRICK 2106 #19-1H - API 15159227170000	LOCATION 19-21S-6W		COUNTY-PARISH-BLOCK Rice Kansas
DISTRICT McAlester	DRILLING CONTRACTOR RIG # Nabors 180		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			8.5				40	
C15:85:8 + 10%Salt+.4pps KolSeal+.6%SMS		250	12.4	2.45	13.52	05:30	107	78.94
C50:50:2+5% Salt+.25pps Celloflake+4ppsKolSeal+.1		125	14.2	1.32	5.66	03:45	32	18.34
Fresh water			8.34				149.5	
Available Mix Water <u>400</u> Bbl.		Available Displ. Fluid <u>300</u> Bbl.		TOTAL			<u>328.5</u>	<u>97.28</u>

HOLE										TBG-CSG-D.P.			COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE			
8.75		3960	6.276	7	26	CSG	3953	3560	P-110						

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		375	375			4600	4600	7	8RD		

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	
149.5	BBLs	Fresh water	8.34	900						4000	Frac 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	5000 PSI	CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
08:45				40	SPACER			rig pumps seal bond spacer
09:09	5000				WATER			test pumps & lines
09:32	42		3		LEAD			open well./start lead slurry @ 12.4ppg 50
10:06	15		3	107	LEAD			end lead slurry/start tail slurry @ 14.2ppg
10:24	26		3	32	TAIL			end tail slurry
10:26	0		3		WATER			drop TRP/start displacement
10:41	153		3	54	WATER			bbls pumped when caught cement
11:11	1540		3	149.5	WATER			bump plug
11:14	2500							conduct casing test
11:41	0			-1.75				end casing test/ check floats/ holding
								Calculated top of lead is 471
								Calculated top of tail is 3156
								Thanks for using BHi Pressue 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"/> Y <input type="checkbox"/> N	970	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	328.5	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	