

CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC	DATE 21-APR-12	F.R. # 1001902889	SERV. SUPV. JONATHAN M SCHULZ III
LEASE & WELL NAME CROFT ALBRIGHT #15-2H - API 15077217880000	LOCATION 15-34S-7W		COUNTY-PARISH-BLOCK Harper Kansas
DISTRICT McAlester	DRILLING CONTRACTOR RIG # NABORS #774		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	7" centralizers						

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 25 (w/ 45lb bag)			8.41				40	
15:85:8(Poz:C:Gel) + 10% NaCl + .25pps celloflake		790	12.4	2.45	13.51	04:45	344.26	253.78
50:50:2(C:Poz:Gel) +5% NaCl+ .25pps Celloflake + 4		200	14.2	1.32	5.66	03:45	46.91	26.89
Fresh Water			8.34				203.89	
Available Mix Water <u>900</u> Bbl.		Available Displ. Fluid <u>600</u> Bbl.		TOTAL			<u>635.06</u>	<u>280.67</u>

HOLE			TBG-CSG-D.P.						COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
8.75		5380	6.366	7	23	CSG	5375	4820	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		800	800			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	Frac Tank
203.9	BBLS	Fresh Water	8.34	1250					7968	3000	Frac Tank

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: Arrive on location 1900 hrs on april 18, Pulling drill pipe, 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 4000 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
19:00						Arrive on location april 18	
23:00				40	SPACER	Rig pumped spacer on 4/20/2012	
23:34	4000				WATER	Pressure Test Pumps & lines	
00:09	368		4		WATER	open well/ start a water spacer	
00:15	202		2	23	WATER	shutdown/ cant mix cement	
02:30	300		2		WATER	resume water ahead/ batch up lead slurry @14.2ppg	
02:45	367		4	50	WATER	end water ahead/start lead slurry	
03:19	187		3	203	LEAD	bbls lead pumped when lead at shoe	
03:47	98		6	322	LEAD	end lead slurry/start tail slurry @ 14.2ppg	
03:59	158		5	48	TAIL	end tail slurry/shutdown	
04:02	65		3		WATER	Drop TRP/start displacement	
04:37	1247		4.6	158	WATER	bbls of displacement pumped when tail @ shoe	
04:52	2045		4	203	WATER	bbls pumped when bump plug./shutdown/ hold psi	
05:02	0			-1.5	WATER	check float/ holding/ bbls return	
						Lost returns after dropping plug/ show excellent lift	
						Thanks for using BHI Pressure Pumping	
						Jonathan Schulz & Crew	

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	PIPE	ANNULUS				TEST LINES 4000 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	2058	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N			6630	0	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	