

# CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC	DATE 05-APR-13	F.R. # 1001977027	SERV. SUPV. Justin D Stamper
LEASE & WELL NAME KNOCHE TRUST 2408 #31-1H - API 1515521611000	LOCATION 31-24S-8W		COUNTY-PARISH-BLOCK Reno Kansas
DISTRICT McAlester	DRILLING CONTRACTOR RIG #		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	Shoe 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
WATER			8.34				20	
CLASSC+2%CACL2+.25# CELLOFLK		270	14.8	1.35	6.34	02:45	64.74	40.74
Water			8.34				24	
Available Mix Water <u>500</u> Bbl.		Available Displ. Fluid <u>500</u> Bbl.		TOTAL			108.74	40.74

HOLE			TBG-CSG-D.P.						COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
12.25		355	8.921	9.625	36	CSG	349	349	J-55	349	308	

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		

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	MIX WATER
24	BBLS	Water	8.34	117					2816	1500	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 3500 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
16:00						ARRIVE ON LOC.	
09:00						SAFETY MEETING	
09:32	3500				WATER	TEST LINES, START WATER AHEAD	
09:45	90		4	20	WATER	FINISH WATER, START SLURRY	
09:57	130		4	42	SLURRY	CEMENT BACK TO SURF	
10:04	130		4	23	SLURRY	FINISH SLURRY, SHUT DOWN, DROP PLUG, DISPLACE	
10:14	120		3	24	WATER	BUMP PLUG, PRESSUER TO 1000 PSI	
10:19						BLEED OFF, RECIVED .25 BACK TO TRUCK	
						THANK YOU FOR USING BHI	
						JUSTIN STAMPER 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 <input type="checkbox"/> N	1000	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	40	111	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

# CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC	DATE 22-APR-13	F.R. # 1001981689	SERV. SUPV. James Kirkpatrick
LEASE & WELL NAME KNOCHE TRUST 2408 #31-1H - API 1515521611000	LOCATION 31-24S-8W		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
	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
SEALBOND, RIG TO PUMP			8.45				40	
15:85c,0.01%staticfree,10%salt,0.25ppscelloflake,4	125103079	235	12.4	2.45	13.52	05:10	103	75.99
50:50c,0.01%staticfree,5%salt,0.25ppscelloflake,4p	125103080	85	14.2	1.32	5.66	05:10	20	11.46
H2O			8.34				162	

Available Mix Water <u>150</u> Bbl.	Available Displ. Fluid <u>300</u> Bbl.	<b>TOTAL</b> <u>325</u> <u>87.45</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		4300	6.276	7	26	CSG	4290	4290	L-80	4290	4241	

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		350	350			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	
162	BBLS	H2O	8.34	900					7968	1500	RIG

**EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NO PROBLEMS**

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"/>					
09:50	2500				H2O	TEST, START LEAD CEMENT @ 12.4 #					
10:30	100		5.5	103	LEAD CMT	PUMP LEAD CEMENT, START TAIL CEMENT @ 14.2#					
10:45	120		5	20	TAIL CMT	PUMP TAIL CEMENT, PLUG AWAY, DISPLACE					
11:20	900		3	150	H2O DISP	150 BBL INTO DISPLACEMENT, CEMENT RETURNS TO SURFACE, CONTINUE DISPLACEMENT					
11:25	975		3	162	H2O DISP	PUMP 162 BBL DISPLACEMENT, BUMP PLUG 2 975 PSI, TOOK PRESSURE UP TO @ 1500 PSI AND HOLD 10 MINUTES					
11:35	1500					HOLD 10 MINUTES, BLEED OFF TO CHECK FLOAT, HOLDING, RIG DOWN					
						LEAD CEMENT : 235 SACKS 15:85 C + 0.01% STATIC FREE + 10% SALT + 0.25 PPS CELLOFLAKE + 4 PPS KOLSEAL + 0.6% SMS + 8% GEL					
						TAIL CEMENT : 85 SACKS 50:50 C + 0.01% STATIC FREE + 5% SALT + 0.25 PPS CELLOFLAKE + 4 PPS KOLSEAL + 0.3% FL-52 + 15% SMS + 2% GEL					
						12 BBL CEMENT RETURNS TO SURFACE					
						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 <input type="checkbox"/> N	900	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	12	285	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

# CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC	DATE 01-MAY-13	F.R. # 1001983287	SERV. SUPV. James Kirkpatrick
LEASE & WELL NAME KNOCHE TRUST 2408 #31-1H - API 1515521611000	LOCATION 31-24S-8W		COUNTY-PARISH-BLOCK Reno Kansas
DISTRICT McAlester	DRILLING CONTRACTOR RIG # NABORS 102		TYPE OF JOB Liner

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
	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
SealBond Spacer, Rig to pump			8.45				40
H50:50,3%salt,0.5%fl62,0.6%sms,0.5%fl52a0.01%stati		405	14.3	1.24	5.54	05:30	90 53.55
H2O			8.34				124
Available Mix Water <u>150</u> Bbl.		Available Displ. Fluid <u>300</u> Bbl.		TOTAL			<u>254</u> 53.55

HOLE			TBG-CSG-D.P.						COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
6.125		8945	3.826	4.5	16.6	DP	3529	3529	J-55	8934	8883	
			4	4.5	11.6	CSG	8934	8934	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.
6.3	7	26		4322	4322						4.5	8RD	WATER BASED MU	8.4

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	
124	BBLS	H2O	8.34	450					8552	4500	RIG

**EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NO PROBLEMS**

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 6300 PSI					
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>					
07:35	6300				H2O	TEST, START CEMENT @ 14.3#					
08:15	275		4	90	CEMENT	PUMP 90 BBL CEMENT, SHUT DOWN, WASH TO PIT, DROP PLUG, START DISPLACEMENT					
08:35	1150		2.75	42	H2O DISP	PUMP 42 BBL DISPLACEMENT, SHEAR PLUG THRU DRILL PIPE, CONTINUE DISPLACEMENT					
08:55	700		2.75	124	H2O DISP	PUMP 124 BBL DISPLACEMENT, BUMP PLUG @ 700 PSI, TAKE PRESSURE UP TO @ 1300, HOLD 10 MINUTES					
09:05	1300					HOLD 10 MMINUTES, BLEED OFF, SET TOOL, PRESSURE UP BACKSIDE TO @ 4500 PSI					
09:55	4500					PUT 4500 ON BACKSIDE, LEAKING, BLEED OFF, FIX LEAK, PRESSURE UP TO @ 4500 PSI					
10:05						HOLD 4500 FOR 10 MMINUTES, LOST @ 100 PSI IN 10 MIN, BLEED OFF, TURN OVER TO RIG TO CIRCULATE OUT					
						CEMENT: 405 SACKS 50/50 CLASS H + 3% SALT + 0.5% FL-62 + 0.6% SMS + 0.5% FL-52 A + 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 700	<input checked="" type="checkbox"/> Y	N 0	214	0	Y <input checked="" type="checkbox"/> N	