

CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC	DATE 01-JUL-12	F.R. # 1001919418	SERV. SUPV. JUAN D MAESTAS
LEASE & WELL NAME CHAIN LAND 3509 #11-1 - API 15077218080000	LOCATION 11-35S-9W		COUNTY-PARISH-BLOCK Harper Kansas
DISTRICT McAlester	DRILLING CONTRACTOR RIG #		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	Float Shoe 7 - 8rd						
	Float Collar, Al Flap, 7 - 8rd						

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
C50:50:2+.01%bwocstatic free+10%bwowsodium chlor		80	14.2	1.32	5.66	03:45	18.77	10.78
Displacement			8.34				212.15	
SealBond Spacer 25 (w/ 45lb bag)			8.45				40	
C15:85:8+.01%bwoc static free +5% bwow sodium chl		945	12.4	2.45	13.51	05:00	411.81	304.03
Available Mix Water	450 Bbl.	Available Displ. Fluid	500 Bbl.	TOTAL			682.73	314.81

HOLE			TBG-CSG-D.P.					COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
8.75	250	5560	6.366	7	23	CSG	5560	5560	N-80	5560	5467	

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	827	827					7	8RND	WATER BASED ML	9.2

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
214.8	BBLS	Displacement	8.34	1500	0	0	0	0	6340	5072	RIG

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"/>
00:30	0	0	0	0	0	ARRIVED ON LOCATION	
00:35	0	0	0	0	0	HAZARD ASSESMENT WALKAROUND	
08:00	0	0	0	0	0	HOOKED UP TO CIRCULATE	
09:30	0	0	0	0	0	HELD SAFTY MEETING WITH RIG CREW	
10:07	0	0	0	40	SB	RIG PUMPS SEAL BOND SPACER	
10:40	0	0	0	0	H2O	TEST PUMP AND LINES TO 5000PSI	
10:42	360	0	3	20	H2O	PUMP FRES WATER SPACER	
10:45	450	0	3	412	CMT	PUMP LEAD SLURRY @ 12.4 PPG	
12:27	90	0	3		CMT	LOST RETURNS WITH 325 BBLS GONE	
12:47	100	0	3	18	CMT	PUMP TAIL SLURRY @ 14.2 PPG	
12:57	0	0	0	0	CMT	SHUT DOWN	
13:00	80	0	3.2	0	H2O	DROP TOP PLUG AND DISPLACE	
13:06	540	0	3.2	20	H2O	SEE LIFT PRESSURE	
14:00	1310	0	2.8	200	H2O	SLOW RATE	
14:06	1700	0	2.8	215	H2O	BUMP TOP PLUG TO 2180 PSI	
14:11	0	0	0	0	H2O	BLEED PRESSURE 1.75 BBL RTN FLOAT HELD	

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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"/>		
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 type="checkbox"/> Y <input type="checkbox"/> N	2175	<input type="checkbox"/> Y <input type="checkbox"/> N	0	685	0	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N		