

# CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC	DATE 13-SEP-12	F.R. # 1001934739	SERV. SUPV. Bruce Steele
LEASE & WELL NAME HEIMERMAN FARMS 3104 #25-1 SWD - API 151912	LOCATION 25-31S-4W		COUNTY-PARISH-BLOCK Sumner 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
Cement Plug, Rubber, Top 7 in (FBO)	Float Shoe 7 - 8rd FBO						
	Float Collar, Auto Fill, 7 - 8rd FBO						

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 + Additives		80	14.2	1.32	5.66	03:45	19	10.91
Displacement			8.34				180	
SealBond Spacer 25 (w/ 45lb bag)			8.45				0	
C15:85:8 + Additives		1,055	12.4	2.45	13.52	05:00	398	293.78
Available Mix Water <u>500</u> Bbl.		Available Displ. Fluid <u>500</u> Bbl.		TOTAL			<u>597</u>	<u>304.69</u>

HOLE			TBG-CSG-D.P.						COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
8.75		4621	6.366	7	23	CSG	4616	4616	L-80	4616	4579	

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		382	382			4600	4600	7	8RD	WATER BASED MU	9.3

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	
180	BBLS	Displacement	8.34	1100					5000	2500	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	3800 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
07:45	0	0	0	0	0	ARRIVE LOCATION/CIRCULATING/SAFETY MEETINGS & PAUL FOX IS SSC	
11:10	0	0	0	0	SPACER	RIG PUMPED SEAL BOND SPACER AHEAD TOTAL OF 40 BBLS	
11:30	3800	0	1	0	H2O	TEST LINES	
11:33	320	0	5.3	1	CMT	START LEAD CEMENT	
12:10	320	0	5.3	182	CMT	CEMENT @ SHOE	
12:47	590	0	3.1	216	CMT	START TAIL CEMENT	
12:53	0	0	0	19	CMT	ALL CEMENT DROP PLUG	
12:57	300	0	4.1	0	H2O	START DISPLACEMENT	
13:40	1550	0	2.8	180	H2O	PLUG DOWN	
13:40	2200	0	0	0	0	PRESSURE ON PLUG	
13:41	0	0	0	0	0	bled pressure off and floats are holding	

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	2200	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	220	597	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	