

CEMENT JOB REPORT



CUSTOMER SHELL WESTERN E & P INC	DATE 14-JAN-13	F.R. # 1001958512	SERV. SUPV. Jonathan M Schulz
LEASE & WELL NAME NUNEMAKER 2509 #32-1H - API 15155216060000	LOCATION 32-25S-9W		COUNTY-PARISH-BLOCK Reno 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	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			8.45				40	
C15:85:8 +10% Salt+ .25pps Celloflake+ 4pps KolSea		170	12.4	2.45	13.51		74	54.55
C50:50:2 + 5% Salt+.25pps Celloflake+4pps KolSeal+		130	14.2	1.32	5.66		34	19.49
Fresh Water			8.34				162	

Available Mix Water <u>500</u> Bbl.	Available Displ. Fluid <u>400</u> Bbl.	TOTAL	<u>310</u>	<u>74.04</u>
-------------------------------------	--	--------------	------------	--------------

HOLE			TBG-CSG-D.P.						COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
8.75		4260	6.276	7	26	CSG	4246	3911	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.
8.9	9.625	36	CSG	505	505				4600	4600	7	8RD	WATER BASED MU	9

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	Fresh Water	8.34	861						3000	rig tank

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: Arrive on Location @ 1800

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"/>	
18:00						Arrive on Location	
23:45					SPACER	Rig pumps sealbond Spacer	
00:37	4468				WATER	test pumps & lines	
00:44	219		4		LEAD	open well/start lead slurry @ 12.4ppg	
01:49	62			20	LEAD	cant mix slurry lost/ recirc/ shutdown turn over to rig	
03:26	4213				WATER	test pumps & lines	
03:33	402		5		LEAD	open well/start lead slurry @ 12.4ppg	
03:41	195		5	54	LEAD	end lead slurry/ start tail slurry @ 14.2ppg	
03:51	322		5	34	TAIL	end tail slurry/shutdown	
04:02	23		3		WATER	Drop TRP, start displacement	
04:26	147		4	94	WATER	bbls pumped caught cement	
04:40	618		3	150	WATER	slow rate to bump plug	
04:44	588		3	162	WATER	no bump plug/ shutdown	
04:50	0			-5		check floats/holding/ bbls back	
						Calculated top of lead 1814'	
						Calculated top of Tail 3366	
						Lead Slurry :C 15:85:8 + 10% Sodium Chloride + .25pps Celloflake + 4pps KolSeal + .5% SMS+ 0.01% Static Free	
						Tail Slurry : C50:50:2 + 5% Sodium Chloride + .25pps Celloflake + 4pps Kol Seal + .3%FL-52 + .15% SMS + 0.01 Static Free	

CEMENT JOB REPORT



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"/>	
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:
Y <input type="checkbox"/> N <input checked="" type="checkbox"/>		<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	0	310	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	