

CEMENT JOB REPORT



CUSTOMER ANADARKO PETROLEUM COI		DATE 27-MAR-13		F.R. # 1001975141		SERV. SUPV. RYAN SULLIVAN								
LEASE & WELL NAME MIRACLE #13C-12HZ - API 05069064460000				LOCATION 12-5N-68W		COUNTY-PARISH-BLOCK Larimer Colorado								
DISTRICT Brighton		DRILLING CONTRACTOR RIG # MAJORS 42				TYPE OF JOB Surface								
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD	TVD	HANGER TYPES		MD	TVD			
Cement Plug, Rubber, Top 9-5/8 in		Cement Basket, Slip On, 9-5/8 in												
		Centralizer, with Pins, 9-5/8 in												
		Guide Shoe, Cement Nose, 9-5/8 in												
		Float Collar, Pop Valve, 9-5/8 - 8rd												
PHYSICAL SLURRY PROPERTIES														
MATERIALS FURNISHED BY BJ				LAB REPORT NO.		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER		
Fresh Water				N/A		0	8.34	0	0	00:00	70.4			
TypeIII+2.5%CaCl2+.25lbs/skCF				C03-125-13		409	14.8	1.35	6.34	02:10	98.3	61.68		
Fresh Water + Dye				N/A		0	8.34	0	0	00:00	10			
Fresh Water				N/A		0	8.34	0	0	00:00	20			
Available Mix Water 200		Bbl.		Available Displ. Fluid 200		Bbl.		TOTAL		198.7	61.68			
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
13.5	15	964	8.921	9.625	36	CSG	954	954	J-55	954	911	0		
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.
						No packer		0			9.625	8RD	WATER BASED MUD	8.9
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				
70.4	BBLS	Fresh Water	8.34	303	0	0	0	0	2816	1500	Transports			
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None														
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 4404 PSI								
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>								
07:20	0	0	0	0	N/A	Arrive on location, 35 miles, rig still running casing								
08:30	0	0	0	0	N/A	Bulk truck stuck on location, fuel leak, contain & repair before continuing moving trucks.								
11:00	0	0	0	0	N/A	Spot trucks on location, pre-rig up safety meeting. One bulk truck left off location so it isn't in the way.								
12:00	0	0	0	0	N/A	BHI ready to service, mixing water on location contaminated, waiting on freshwater to arrive								
16:30	0	0	0	0	N/A	Freshwater on location, spot bulk truck								
16:48	0	0	0	0	N/A	Pre-job safety meeting								
17:12	0	0	1.1	1.5	WATER	Load lines								
17:14	1882	0	0	0	WATER	Low pressure test								
17:27	4404	0	0	0	WATER	High pressure test								
17:33	62	0	4.6	20	WATER	Freshwater spacer								
17:38	55	0	4.6	10	WATER	Dyed water spacer								
17:47	96	0	3.6	96.4	CEMENT	Batch-up, weigh, & pump 409 sx of TypeIII+2.5%CaCl2+.25lbs/skCF @ 14.8 ppg								
18:24	0	0	0	0	N/A	Drop plug								
18:30	50	0	4.6	60	WATER	Dispalce								

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	PIPE	ANNULUS				TEST LINES 4404 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
18:43	288	0	2.2	18.8	WATER	Rate change	
18:48	327	0	2	70.8	WATER	Bump plug to 787 psi, 0.5 bbls bled back, floats held, 14 bbls cement to surface	
18:54	350	0	0	0	N/A	Pressured up to 350 psi, shut-in cement head @ customer request	
19:00	0	0	0	0	N/A	Pre-rig down safety meeting	
19:45	0	0	0	0	N/A	Leave location	
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	327	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	14	197.2	350	Y <input checked="" type="checkbox"/> N	