

CEMENT JOB REPORT



CUSTOMER Petroleum Development Corpora			DATE 12-SEP-10		F.R. # 1001683221		SERV. SUPV. DELBERT S GALLEGOS					
LEASE & WELL NAME PUCKETT #21C-24D - API 05045161090000			LOCATION 24-6S-97W				COUNTY-PARISH-BLOCK Garfield Colorado					
DISTRICT Grand Junction			DRILLING CONTRACTOR RIG #				TYPE OF JOB Surface					
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		PHYSICAL SLURRY PROPERTIES								
BJ Cement Plug, Rubber, Top 9-5/8 i		Float Shoe 9-5/8 - 8rd		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER		
MATERIALS FURNISHED BY BJ												
Fresh water					8.34				10			
Surfactant wash					8.34				20			
Fresh Water					8.34				10			
35/65+.05%CACL+.25lbsflake+.5%SMS+6%Bent				1,494	12.5	1.95	10.70		519.72	380.53		
TypeIII+.04lbsstatic+1%CACL+.25lbsflake+FP-13L				170	14.2	1.47	7.35		44.5	29.75		
Fresh Water					8.34				206			
typeIII+10%A-10+2%CACL+.04lbsStatic+				554	14.2	1.47	7.45		145	98.24		
Available Mix Water 900 Bbl. Available Displ. Fluid 900 Bbl.				TOTAL					955.22	508.51		
HOLE			TBG-CSG-D.P.					COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE		
16	30	2700	9.625	36	CSG	2700		2682	2642			
LAST CASING			PKR-CMT RET-BR PL-LINER			PERF. DEPTH		TOP CONN		WELL FLUID		
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE		DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
20	52.73		55						9.625	8RND	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		
197	BBLS	Fresh Water	8.34	546	0	0	0	0	3520	2816	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 type="checkbox"/> BJ <input type="checkbox"/>	
02:45						convoy and safety meeting	
03:00						leave yard for location	
05:30						arrive to location	
05:45						tailgate meeting	
06:00						spot trucks rig up iron and hoses	
10:30						prejob safety meeting	
11:00	120	0	2.5	15	WATER	pump 15bbls down parasite line	
11:10	3500	0	.5	2	WATER	pressure test lines to 3500psi	
11:13	49	0	5.2	10	WATER	pump 10bbls fresh water spacer	
11:15	49	0	5.2	20	WASH	pump 20bbls surfactant wash	
11:19	50	0	5.2	10	WATER	pump 10bbls fresh water spacer	
11:23					CEMENT	batch cement to 12.5ppg weigh on scales	
11:25	48	0	3.8	3	CEMENT	start downhole with 500bbls lead @ 12.5ppg	
11:34	226	0	6.5	50	CEMENT	rate pressure	
11:41	207	0	6.7	100	CEMENT	rate pressure	
11:50	37	0	3.7	150	CEMENT	rate pressure	
11:57	193	0	6.4	200	CEMENT	rate pressure	
12:06	189	0	6.5	250	CEMENT	rate pressure	
12:13	190	0	6.6	300	CEMENT	rate pressure	
12:20	195	0	6.5	350	CEMENT	rate presure	

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	PIPE	ANNULUS				TEST LINES	3500 PSI
						CIRCULATING WELL - RIG <input type="checkbox"/> BJ <input type="checkbox"/>	
12:28	193	0	6.6	400	CEMENT	rate pressure	
12:36	203	0	5.5	450	CEMENT	rate pressure	
12:50	30	0	3	515	CEMENT	end lead slurry start tail slurry	
12:52	45	0	3.9	15	CEMENT	rate pressure	
12:56	48	0	4	30	CEMENT	rate pressure	
13:05				44	CEMENT	end cement drop top plug	
13:13	100	0	7.9	5	WATER	start displacement 197bbls	
13:23	47	0	8	50	WATER	rate pressure	
13:29	110	0	8.3	100	WATER	rate pressure	
13:36	221	0	6.5	150	WATER	rate pressure	
13:45	1220	0	2.5	197	WATER	bump plug to 1221psi hold for 5minutes	
13:50	0					bled pressure float held switch to parasite line	
13:55	103	0	1.3	3	WATER	pump 20bbls water down parasite	
14:00						end water wait 3hours on cement to top out	
16:40					CEMENT	batch top out 14.2ppg	
16:45	55	0	2.5	3	CEMENT	start downhole with cement	
16:55	36	0	2.4	25	CEMENT	rate pressure	
17:05	45	0	2.5	50	CEMENT	rate pressure	
17:25	0		0	88	CEMENT	88bbls away no cement to surface wait 2hours	
19:30						batch up cement 14.2ppg	
19:40	69	0	2.4	15	CEMENT	rate pressure	
19:46	77	0	2.5	30	CEMENT	rate pressure	
19:55	0	0	0	52	CEMENT	shut down cement to surface 52bbls pumped	
20:00						wait to hours for cement to drop then topout	
22:00						cement about 15ft down batch 5bbl tub	
22:04	67	0	2.5	5	CEMENT	pump cement downhole	
22:04						cement to surface shut down watch for 30minutes	
22:30						cement has not failed rign down pumps and lines	
						145bbls total top out pumped 558sks cement	
BUMPED PLUG <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	PSI TO BUMP PLUG 1200	TEST FLOAT EQUIP. <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 0	TOTAL BBL. PUMPED 942	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	SERVICE SUPERVISOR SIGNATURE: