

CEMENT JOB REPORT



CUSTOMER ENCANA OIL & GAS (USA) INC			DATE 01-JUN-14		F.R. # 10011072688			SERV. SUPV. Justin R Sturgiss								
LEASE & WELL NAME PARACHUTE NORTH #EF02B-32 G29 595 - API 050					LOCATION 32-5S-95W				COUNTY-PARISH-BLOCK Garfield Colorado							
DISTRICT Vernal					DRILLING CONTRACTOR RIG #				TYPE OF JOB Squeeze-Hole							
SIZE & TYPE OF PLUGS			LIST-CSG-HARDWARE			MECHANICAL BARRIERS		MD	TVD	HANGER TYPES			MD	TVD		
						Packer		2497								
MATERIALS FURNISHED BY BJ					LAB REPORT NO.					PHYSICAL SLURRY PROPERTIES						
										SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
Fresh Water										8.34				5		
Class G Cement					50					15.8	1.15	4.95		10.26	5.89	
Fresh Water										8.34				16.5		
Available Mix Water 160 Bbl.			Available Displ. Fluid 150 Bbl.			TOTAL			31.76	5.89						
HOLE			TBG-CSG-D.P.							COLLAR DEPTHS						
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE				
			1.995	2.375	4.7	TBG	2501	2501								
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.		
1	4.5	11.6	CSG	6701		PACKER		2497	3067	3100	2.375	8RD	FRESH WATER	8.34		
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					
16.5	BBLS	Fresh Water		8.34	0	970	1500	7700	6160	7780	6224	TANK				
Circulation Prior to Job																
Circulated Well: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>				Circulation Time:				Circulation Rate: BPM								
Mud Density In: LBS/GAL				Mud Density Out: LBS/GAL				PV & YP Mud In:				PV & YP Mud Out:				
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>				Units:				Solids Present at End of Circulation: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>								
Displacement And Mud Removal																
Displaced By: Rig <input type="checkbox"/> BJ <input type="checkbox"/>				Amount Bled Back After Job: BBLs												
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FULL				Method Used to Verify Returns:												
Cement Returns at Surface: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				Were Returns Planned at Surface: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES												
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROCATION <input type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE																
Centralizers: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Quantity:				Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID								
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD																
Plugs																
Number of Attempts by BJ:				Competition:				Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES					Quantity:			
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES												
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Top of Plug: FT				Bottom of Plug: FT								
Squeezes (Update Original Treatment Report for Primary Job)																
BLOCK SQUEEZE <input type="checkbox"/>				SHOE SQUEEZE <input type="checkbox"/>				TOP OF LINER SQUEEZE <input type="checkbox"/>				PLANNED <input type="checkbox"/>	UNPLANNED <input type="checkbox"/>			
Liner Packer: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Bond Log: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				PSI Applied: 1033					Fluid Weight: 15.8 LBS/GAL			
Casing Test (Update Original Treatment Report for Primary Job)																
Casing Test Pressure: PSI				With LBS/GAL Mud				Time Held: Hours Minutes								
Shoe Test (Update Original Treatment Report for Primary Job)																
Depth Drilled out of Shoe: FT				Target EMW: LBS/GAL				Actual EMW: LBS/GAL								
Number of Times Tests Conducted:				Mud Weight When Test was Conducted: LBS/GAL												
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE																

CEMENT JOB REPORT



Problems Before Job (I.E. Running Casing, Circulating Well, ETC)

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)

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 type="checkbox"/> BJ <input checked="" type="checkbox"/>	
14:45	0	0	0	0	0	ARRIVED ON LOCATION	
15:00	0	0	0	0	0	SPOTTED TRUCKS	
15:45	0	0	0	0	0	SAFETY MEETING WITH COMPANY MAN	
16:04	3600	0	0	0	0	PRESSURE TEST	
16:05	0	0	0	0	0	CHANGED OUT LEAKING PLUG VALVE ON SQUEEZE MANIFOLD	
16:21	4000	0	0	0	0	PRESSURE TEST	
16:30	1500	0	.6	5	H2O	INJECTION TEST	
16:39	0	0	0	0	0	SHUT DOWN, BATCH UP CEMENT TO 15.8 PPG	
16:43	606	0	.6	9	CMT	START CEMENT @ 15.8 PPG	
17:10	1000	0	.2	12.5	H2O	START DISPLACEMENT	
17:33	1033	0	0	0	0	HESITATE 5 MINUTES	
17:39			.4	1	H2O	PUMP 1 BBL	
17:42	550	0	0	0	0	HESITATE 4 MINUTES	
17:48			.4	1	H2O	PUMP 1 BBL	
17:50	623	0	0	0	0	HESITATE 5 MINUTES	
17:55			.4	1	H2O	PUMP 1 BBL	
17:58	758	0	0	0	0	HESITATE 30 MINUTES	
18:35	654	0	.4	.5	H2O	PUMP .5 BBL	
18:51	663	0	.4	.25	H2O	PUMP .25 BBL	
19:03	711	0	.4	.25	H2O	PUMP .25 BBL BLED BACK DOWN TO 400 PSI	
19:05	0	0	0	0	0	BLED OFF PRESSURE, TURNED OVER TO RIG TO PULL PIPE	
						DISPLACED 16.5 BBLs	

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	<u>Service Supervisor Signature:</u>
Y <input checked="" type="checkbox"/> N		Y <input checked="" type="checkbox"/> N	0	30.5	0	Y <input checked="" type="checkbox"/> N	