

CEMENT JOB REPORT



CUSTOMER CHEVRON CORPORATION		DATE 08-JAN-15	F.R. # 10011131009	SERV. SUPV. Benjamin Scott												
LEASE & WELL NAME EMERALD #49X - API 05103072960000		LOCATION 25-2N-103W		COUNTY-PARISH-BLOCK Rio Blanco Colorado												
DISTRICT Vernal		DRILLING CONTRACTOR RIG #		TYPE OF JOB Plug & Abandon												
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS MD TVD HANGER TYPES MD TVD												
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					0							
Class G Cement		25		15.8	1.15	4.99			5	2.90						
Available Mix Water <u>80</u> Bbl.		Available Displ. Fluid <u>77</u> Bbl.		TOTAL				5		2.90						
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS										
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE				
			6.366	7	23	CSG										
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	8RD	WATER BASED	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						
0	BBLS										Water Truck					
Circulation Prior to Job																
Circulated Well: Rig <input type="checkbox"/> BJ <input 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 checked="" type="checkbox"/> YES <input type="checkbox"/> NO				Were Returns Planned at Surface: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES												
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROICATION <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:					Fluid Weight: 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												
Problems Before Job (I.E. Running Casing, Circulating Well, ETC)																

CEMENT JOB REPORT



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)

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 type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	1775 PSI
						<input type="checkbox"/>	BJ <input type="checkbox"/>
08:00							left vernal yard
09:00							arrive location
09:15							HIPO safety walk
10:15							water truck backed into pump
11:30							Safety Meeting
11:45							Prime Up
12:14	1775						Pressure Test 1775 PSI
12:15							Batch Up 15.8 PPG CMT
12:20	18		1.1	4.5	CMT		Top Out CMT Down Hole 15.8 PPG
12:30							15.8 PPG *CMT REACHED SURFACE*
12:30							Shut Down/Wash Up
12:40							Rig Down
							Thanks! Ben and Crew

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"/> 0	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/> 0	5	5	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	

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CUSTOMER CHEVRON CORPORATION		DATE 08-JAN-15	F.R. # 10011131009	SERV. SUPV. Benjamin Scott										
LEASE & WELL NAME EMERALD #49X - API 05103072960000		LOCATION 25-2N-103W		COUNTY-PARISH-BLOCK Rio Blanco Colorado										
DISTRICT Vernal		DRILLING CONTRACTOR RIG #		TYPE OF JOB Plug & Abandon										
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS MD TVD										
				HANGER TYPES MD TVD										
MATERIALS FURNISHED BY BJ		LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES										
				SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER				
Fresh Water					8.34				0					
Class G Cement				25	15.8	1.15	4.99		5	2.90				
Available Mix Water 80 Bbl.		Available Displ. Fluid 77 Bbl.		TOTAL				5	2.90					
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
			6.366	7	23	CSG								
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	8RD	WATER BASED	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				
0	BBLS													Water Truck
Circulation Prior to Job														
Circulated Well: Rig <input type="checkbox"/> BJ <input 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 checked="" type="checkbox"/> YES <input type="checkbox"/> NO				Were Returns Planned at Surface: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES										
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROICATION <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:				Fluid Weight: 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										
Problems Before Job (I.E. Running Casing, Circulating Well, ETC)														

CEMENT JOB REPORT



CUSTOMER CHEVRON CORPORATION		DATE 14-JAN-15	F.R. # 10011132167	SERV. SUPV. Rex A Edwards									
LEASE & WELL NAME EMERALD #49X - API 05103072960000		LOCATION 25-2N-103W		COUNTY-PARISH-BLOCK Rio Blanco Colorado									
DISTRICT Vernal		DRILLING CONTRACTOR RIG #		TYPE OF JOB Plug & Abandon									
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD	TVD	HANGER TYPES		MD	TVD		
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			
Fresh Water					8.34				1				
Class G Cement + 2% cacl2+ 1/4#c.f.				22	15.8	1.15	4.99	01:30	4.5	2.61			
Class G Cement				5	15.8	1.15	4.99	03:00	1	0.58			
Available Mix Water 80 Bbl.		Available Displ. Fluid 70 Bbl.		TOTAL				6.5	3.19				
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE	
			8.921	9.625	36	CSG	1000	1000	J-55				
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			2	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			
0	BBLS			0	0	0	500	150	0	0	WATER TRUCK		

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 type="checkbox"/> BJ <input type="checkbox"/>
08:30						OFF VERNAL YARD	
09:30						ON LOCATION	
09:35						LOCATION HAZARD WALK	
09:45						SIGN IN	
10:00						SPOT TRUCK	
10:30						RIG UP SAFETY MEETING	
10:45						START RIG UP	
11:30						END RIG UP	
						QC TEST	
						H2O MIX H2O TEMP = 42 DEGREE	
						PH = 6	
						CLORIDES = 20	
						SULFATES= 325	
12:30						SAFETY MEETING	
01:18	3800	0	0	0	H2O	PRESSURE TEST	
01:22	0	0	.6	0	H2O	START H2O SPACER	
01:23	0	0	0	1	-----	END H2O SPACER	
01:25	0	0	0	0	CMT	BATCH UP TUB CMT	
01:31	132	0	1.2	0	CMT	START PUMPING CMT	
01:35	0	0	0	4.5	CMT	SHUT DOWN	
01:40	0	0	0	0	-----	CLEAN CMT OUT OF PUMP TO TANK	
	0	0	0	0	-----	AS PER CHERON REP CIRCULATE CMT OUT.	
01:48	105	0	1.2	0	H2O	START CIRCULATE CMT OUT 1 BBL	

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 3800 PSI	
						CIRCULATING WELL - RIG <input type="checkbox"/> BJ <input type="checkbox"/>	
01:54	0	0	0	6	-----	SHUT DOWN	
02:21	0	0	0	0	CMT	BATCH UP TUB CMT	
02:24	104	0	1	0	CMT	START PUMPING CMT	
02:28	0	0	0	5	-----	SHUT DOWN. CMT TO SURFACE	
						THANKS! REX & CREW	

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"/>	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	0	16	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	<i>Ray Edwards</i>



Baker Hughes JobMaster Program Version 4.02

Job Number: 10011132167

Customer: CHEVRON

Well Name: EMERALD #49X

CHEVRON P&A EMERALD #49X / PUMP# C126



