

# CEMENT JOB REPORT



<b>CUSTOMER</b> CHEVRON CORPORATION		<b>DATE</b> 08-JAN-15		<b>F.R. #</b> 10011131009		<b>SERV. SUPV.</b> Benjamin Scott	
<b>LEASE &amp; WELL NAME</b> EMERALD #49X - API 05103072960000		<b>LOCATION</b> 25-2N-103W		<b>COUNTY-PARISH-BLOCK</b> Rio Blanco Colorado			
<b>DISTRICT</b> Vernal		<b>DRILLING CONTRACTOR RIG #</b>		<b>TYPE OF JOB</b> Plug & Abandon			
<b>SIZE &amp; TYPE OF PLUGS</b>		<b>LIST-CSG-HARDWARE</b>		<b>MECHANICAL BARRIERS</b>		<b>MD TVD HANGER TYPES MD TVD</b>	
<b>MATERIALS FURNISHED BY BJ</b>		<b>LAB REPORT NO.</b>		<b>PHYSICAL SLURRY PROPERTIES</b>			
				<b>SACKS OF CEMENT</b>	<b>SLURRY WGT PPG</b>	<b>SLURRY YLD FT<sup>3</sup></b>	<b>WATER GPS</b>
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.		<b>TOTAL</b>		5 2.90	
<b>HOLE</b>		<b>TBG-CSG-D.P.</b>				<b>COLLAR DEPTHS</b>	
<b>SIZE</b>	<b>% EXCESS</b>	<b>DEPTH</b>	<b>ID</b>	<b>OD</b>	<b>WGT.</b>	<b>TYPE</b>	<b>MD TVD GRADE SHOE FLOAT STAGE</b>
			6.366	7	23	CSG	
<b>LAST CASING</b>		<b>PKR-CMT RET-BR PL-LINER</b>		<b>PERF. DEPTH</b>		<b>TOP CONN</b>	
<b>ID</b>	<b>OD</b>	<b>WGT</b>	<b>TYPE</b>	<b>MD</b>	<b>TVD</b>	<b>BRAND &amp; TYPE</b>	<b>DEPTH TOP BTM</b>
							1 8RD
<b>DISPL. VOLUME</b>		<b>DISPL. FLUID</b>		<b>CAL. PSI</b>	<b>CAL. MAX PSI</b>	<b>OP. MAX</b>	<b>MAX TBG PSI</b>
<b>VOLUME</b>	<b>UOM</b>	<b>TYPE</b>	<b>WGT.</b>	<b>BUMP PLUG</b>	<b>TO REV.</b>	<b>SQ. PSI</b>	<b>RATED</b>
0	BBLs						Operator
							Operator
							MIX WATER
							Water Truck
<b>Circulation Prior to Job</b>							
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"/>			
<b>Displacement And Mud Removal</b>							
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							
<b>Plugs</b>							
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	
<b>Squeezes (Update Original Treatment Report for Primary Job)</b>							
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	
<b>Casing Test (Update Original Treatment Report for Primary Job)</b>							
Casing Test Pressure: PSI		With LBS/GAL		Mud		Time Held: Hours Minutes	
<b>Shoe Test (Update Original Treatment Report for Primary Job)</b>							
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
						CIRCULATING WELL - RIG	<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	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	0	5	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	



# CEMENT JOB REPORT



<b>CUSTOMER</b> CHEVRON CORPORATION		<b>DATE</b> 08-JAN-15		<b>F.R. #</b> 10011131009		<b>SERV. SUPV.</b> Benjamin Scott	
<b>LEASE &amp; WELL NAME</b> EMERALD #49X - API 05103072960000		<b>LOCATION</b> 25-2N-103W		<b>COUNTY-PARISH-BLOCK</b> Rio Blanco Colorado			
<b>DISTRICT</b> Vernal		<b>DRILLING CONTRACTOR RIG #</b>		<b>TYPE OF JOB</b> Plug & Abandon			
<b>SIZE &amp; TYPE OF PLUGS</b>		<b>LIST-CSG-HARDWARE</b>		<b>MECHANICAL BARRIERS</b>		<b>HANGER TYPES</b>	
<b>MATERIALS FURNISHED BY BJ</b>		<b>LAB REPORT NO.</b>		<b>PHYSICAL SLURRY PROPERTIES</b>			
				<b>SACKS OF CEMENT</b>	<b>SLURRY WGT PPG</b>	<b>SLURRY YLD FT<sup>3</sup></b>	<b>WATER GPS</b>
Fresh Water				8.34		0	
Class G Cement		25		15.8		1.15	
Available Mix Water 80 Bbl.		Available Displ. Fluid 77 Bbl.		4.99		5	
						2.90	
						TOTAL 5 2.90	
<b>HOLE</b>		<b>TBG-CSG-D.P.</b>				<b>COLLAR DEPTHS</b>	
<b>SIZE</b>	<b>% EXCESS</b>	<b>DEPTH</b>	<b>ID</b>	<b>OD</b>	<b>WGT.</b>	<b>TYPE</b>	<b>MD</b>
			6.366	7	23	CSG	
						<b>TVD</b>	<b>GRADE</b>
						<b>SHOE</b>	<b>FLOAT</b>
							<b>STAGE</b>
<b>LAST CASING</b>		<b>PKR-CMT RET-BR PL-LINER</b>		<b>PERF. DEPTH</b>		<b>TOP CONN</b>	
<b>ID</b>	<b>OD</b>	<b>WGT</b>	<b>TYPE</b>	<b>MD</b>	<b>TVD</b>	<b>SIZE</b>	<b>THREAD</b>
						1	8RD
		<b>BRAND &amp; TYPE</b>		<b>DEPTH</b>		<b>WELL FLUID</b>	
						<b>TYPE</b>	
						<b>WGT.</b>	
						9	
<b>DISPL. VOLUME</b>		<b>DISPL. FLUID</b>		<b>CAL. PSI</b>		<b>CAL. MAX PSI</b>	
<b>VOLUME</b>	<b>UOM</b>	<b>TYPE</b>	<b>WGT.</b>	<b>BUMP PLUG</b>	<b>TO REV.</b>	<b>SQ. PSI</b>	<b>RATED</b>
0	BBLs						
						<b>Operator</b>	
						<b>MIX WATER</b>	
						Water Truck	
<b>Circulation Prior to Job</b>							
<b>Circulated Well:</b> Rig <input type="checkbox"/> BJ <input type="checkbox"/>				<b>Circulation Time:</b>			
<b>Mud Density In:</b> LBS/GAL				<b>Circulation Rate:</b> BPM			
<b>Mud Density Out:</b> LBS/GAL				<b>PV &amp; YP Mud In:</b>			
<b>Gas Present:</b> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> Units:				<b>PV &amp; YP Mud Out:</b>			
				<b>Solids Present at End of Circulation:</b> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>			
<b>Displacement And Mud Removal</b>							
<b>Displaced By:</b> Rig <input type="checkbox"/> BJ <input type="checkbox"/>				<b>Amount Bled Back After Job:</b> BBLs			
<b>Returns During Job:</b> <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FULL				<b>Method Used to Verify Returns:</b>			
<b>Cement Returns at Surface:</b> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO				<b>Were Returns Planned at Surface:</b> <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES			
<b>Pipe Movement:</b> <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROICATION <input type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE							
<b>Centralizers:</b> <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				<b>Quantity:</b>			
				<b>Type:</b> <input type="checkbox"/> BOW <input type="checkbox"/> RIGID			
<b>Job Pumped Through:</b> <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD							
<b>Plugs</b>							
<b>Number of Attempts by BJ:</b>				<b>Competition:</b>			
<b>Plug Catcher Used:</b> <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				<b>Wiper Balls Used:</b> <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES			
<b>Was There a Bottom:</b> <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				<b>Quantity:</b>			
				<b>Parabow Used:</b> <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES			
				<b>Top of Plug:</b> FT			
				<b>Bottom of Plug:</b> FT			
<b>Squeezes (Update Original Treatment Report for Primary Job)</b>							
<b>BLOCK SQUEEZE</b> <input type="checkbox"/>				<b>SHOE SQUEEZE</b> <input type="checkbox"/>			
<b>TOP OF LINER SQUEEZE</b> <input type="checkbox"/>				<b>PLANNED</b> <input type="checkbox"/> <b>UNPLANNED</b> <input type="checkbox"/>			
<b>Liner Packer:</b> <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				<b>Bond Log:</b> <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES			
				<b>PSI Applied:</b>			
				<b>Fluid Weight:</b> LBS/GAL			
<b>Casing Test (Update Original Treatment Report for Primary Job)</b>							
<b>Casing Test Pressure:</b> PSI				<b>With</b> LBS/GAL			
				<b>Mud</b>			
				<b>Time Held:</b> Hours Minutes			
<b>Shoe Test (Update Original Treatment Report for Primary Job)</b>							
<b>Depth Drilled out of Shoe:</b> FT				<b>Target EMW:</b> LBS/GAL			
				<b>Actual EMW:</b> LBS/GAL			
<b>Number of Times Tests Conducted:</b>				<b>Mud Weight When Test was Conducted:</b> LBS/GAL			
<b>Problems Before Job (I.E. Running Casing, Circulating Well, ETC)</b>							



# 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
Class G Cement		5	15.8	1.15	4.99	03:00	1
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
08:30						CIRCULATING WELL - RIG	BJ
09:30						OFF VERNAL YARD	
09:35						ON LOCATION	
09:45						LOCATION HAZARD WALK	
10:00						SIGN IN	
10:30						SPOT TRUCK	
10:45						RIG UP SAFETY MEETING	
11:30						START RIG UP	
						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>





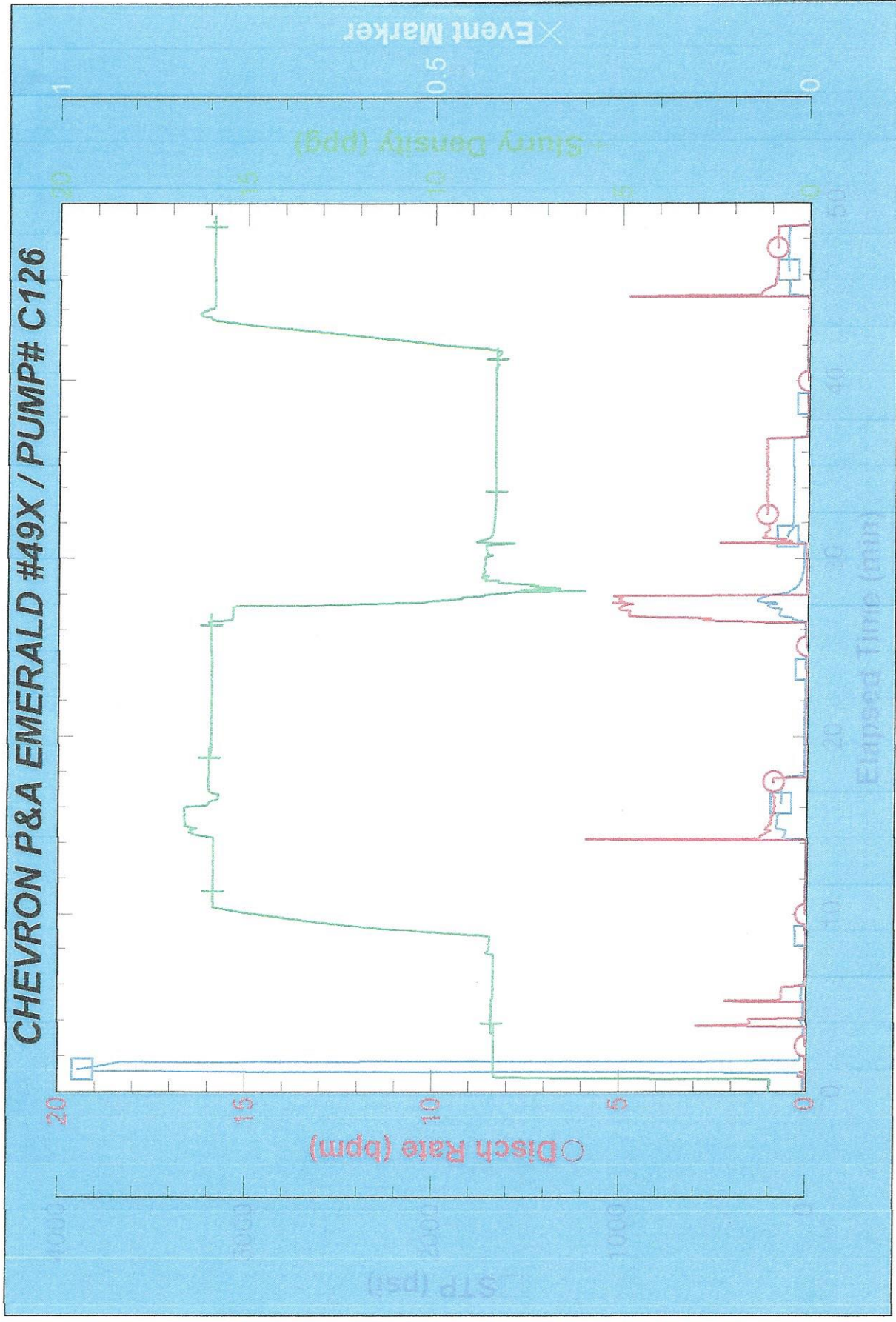
Baker Hughes JobMaster Program Version 4.02

Job Number: 10011132167

Customer: CHEVRON

Well Name: EMERALD #49X

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



## Load Sheet



WELL NAME EMERALD #49X

**CUSTOMER** CHEVRON CORPORATION

BRANCH BULK PLANT PP, VERNAL

**JOB DATE JAN-14-2015**

FIELD RECEIPT NO. 10011132167

FIELD RECEIPT DATE JAN-14-2015

[illegible]

ISSUED BY Paul F Sylvester

RECEIVED TO LOCATION REX A EDWARDS

DATE JAN-14-2015

DATE JAN-14-2015

**SERVICE SUPERVISOR**

**RETURNS VERIFIED BY**

## APPROVAL

Shane P Helton

DATE \_\_\_\_\_

## OPERATIONS SUPERVISOR

**CUSTOMER SIGNATURE**