

Report Printed on May 18 2012 9:43 PM





**BAKER  
HUGHES**

CUSTOMER	CARRIZO OIL & GAS	CREDIT APPROVAL NO.	PURCHASE ORDER NO.	CUSTOMER NUMBER	INVOICE NUMBER
		<p>Amount Approved: \$23,161.12</p> <p>Approved By: <i>[Signature]</i></p>		20015134 - 00250300	

MAIL	STREET OR BOX NUMBER	CITY	STATE	ZIP CODE
INVOICE TO	1000 LOUISIANA ST, STE 1699	Houston	Texas	77002

DISTRICT	JOB DEPTH(ft)	WELL CLASS :
B/S. BRIGHTON	6,236	Oil

WELL	LEGAL DESCRIPTION	COUNTY/PARISH	STATE	JOB TYPE CODE :
LOCATION :	8-7N-60W	Weld	Colorado	Intermediate

PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
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A152	Personnel Per Diem Chrg - Cement Svc	ea	1	210.000	210.00	0%	210.00
M100	Bulk Materials Blending Charge	cu ft	671	5.450	3,656.95	65%	1,279.93
2708	Automatic Density System	job	1	1,990.000	1,990.00	65%	696.50

Account	Amount	Percentage
Sub-total for Service Charges	5,856.95	62.67%
	2,186.43	

F065A	Cement Pumping, 6001 - 7000 ft	6hrs	1	8,300.000	8,300.00
F090	Fuel per pump charge - cement	pump/hr	4	70.250	281.00
					2,905.00
					65%
					0%
					281.00

	Cement Head	job	830,000	830.00	65%	290.50
J050	Mileage, Heavy Vehicle	miles	11,850	1,777.50	65%	622.13
J390						254.75

J391	Mileage, Auto, Pick-Up or Treating Van	150	6.700	1,005.00	65%	351.75
	SUB-TOTAL FOR Equipment			12,193.50	63.50%	4,450.38

J401	Bulk Delivery, Dry Products	ton-mi	1999	3,940
				7,876.06
				2,756.62
	SUB TOTAL FOB Erect/Delivery Charges			65%
				2,756.62
				65.00%

SUB-INITIAL FOR Freight/Delivery Charges

FIELD ESTIMATE	63,650.29	64.50%	22,596.77

ARRIVE		MO.	DAY	YEAR	TIME	SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS FORM AND
LOCATION :		05	16	2012	16:15	

SEE LAST PAGE FOR GENERAL CUSTOMER REP. ☒ X

Jeff Meyers

REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER.

CUSTOMER AUTHORIZED AGENT

BIM APPROVED

<p>SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS</p>	<p><input checked="" type="checkbox"/> CUSTOMER AUTHORIZED AGENT</p>	<p><i>[Signature]</i></p>
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UF7402

Form Released on: 10-01-18 5010.0-03 014

Jr7402

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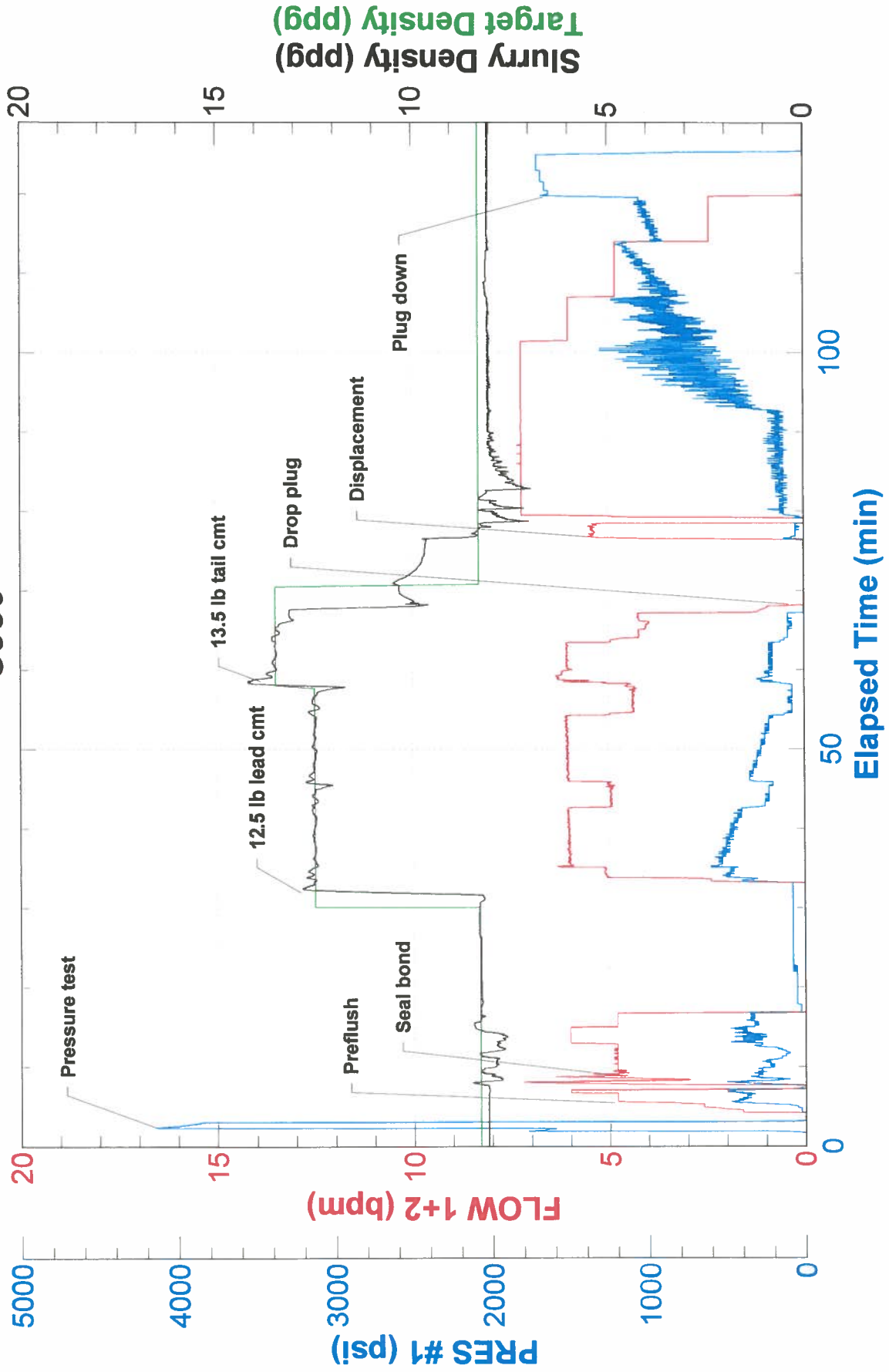
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BJ Services JobMaster Program Version 3.50  
Job Number: 1001909395  
Customer: Carrizo  
Well Name: Pergamos 8-41-7-60

## C956





# CEMENT JOB REPORT



<b>CUSTOMER</b> CARRIZO OIL & GAS		<b>DATE</b> 16-MAY-12		<b>F.R. #</b> 1001909395		<b>SERV. SUPV.</b> AARON M MCWILLIAMS	
<b>LEASE &amp; WELL NAME</b> PERGAMOS 8-41-7-80 - API 05123354230000		<b>LOCATION</b> 8-7N-60W		<b>COUNTY-PARISH-BLOCK</b> Weld Colorado			
<b>DISTRICT</b> Brighton		<b>DRILLING CONTRACTOR RIG #</b> Xtreme #19		<b>TYPE OF JOB</b> Intermediate			
<b>SIZE &amp; TYPE OF PLUGS</b>		<b>LIST-CSG-HARDWARE</b>		<b>MECHANICAL BARRIERS</b>		<b>MD</b>	<b>TVD</b>
7" Bot Cem Plug, Nitrile cvr, Phen		Float Shoe 7 - 8rd					
7" <del>Top Cem Plug, Nitrile cvr, Phen</del>		Float Collar, Auto Fill, 7 - 8rd					
		Centralizer, with Pins, 7 in					
<b>MATERIALS FURNISHED BY BJ</b>				<b>LAB REPORT NO.</b>			
Drilling Mud + Biocide				0			
Fresh Water				0			
SealBond Spacer				0			
Premium Lite Cement + adds				0			
50/50 (Poz/Class G Cement) + adds				0			
Drilling Mud				0			
Available Mix Water 600 Bbl.				Available Displ. Fluid 300 Bbl.			
TOTAL				473.62 128.80			
<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>STAGE</b>
8.75	35	6345	6.276	7	26	CSG	0
			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</b>
8.9	9.63	36	CSG	1407	1407	No packer	0
<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>
245.8	BBLS	Drilling Mud	9.7	983	0	0	0
<b>MAX TBG PSI</b>		<b>MAX CSG PSI</b>		<b>MIX WATER</b>			
7968		3000		Rig tank			
<b>Circulation Prior to Job</b>							
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1			
Mud Density In: 9.7 LBS/GAL				Mud Density Out: 9.7 LBS/GAL			
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>				Units:			
PV & YP Mud In: 0				PV & YP Mud Out: 0			
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 checked="" type="checkbox"/>				Amount Bled Back After Job: 1 BBLS			
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL				Method Used to Verify Returns: Visually			
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"/> RECIPROCATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE							
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES				Quantity: 50			
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD				Type: <input type="checkbox"/> BOW <input checked="" type="checkbox"/> RIGID			
<b>Plugs</b>							
Number of Attempts by BJ: 0				Competition: 0			
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: 0 FT			
				Bottom of Plug: 0 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 checked="" 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: 0				Fluid Weight: 0 LBS/GAL			
<b>EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None</b>							



# CEMENT JOB REPORT



## Casing Test (Update Original Treatment Report for Primary Job)

Casing Test Pressure: 0 PSI With 0 LBS/GAL Mud Time Held: 00 Hours 00 Minutes

## Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: 0 FT Target EMW: 0 LBS/GAL Actual EMW: 0 LBS/GAL

Number of Times Tests Conducted: 0 Mud Weight When Test was Conducted: 0 LBS/GAL

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

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

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

### 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 checked="" type="checkbox"/>	BJ	<input type="checkbox"/>
12:00	0	0	0	0	N/A	Yard call			
14:40	0	0	0	0	N/A	Leave yard			
16:15	0	0	0	0	N/A	Arrive on location miles			
16:35	0	0	0	0	N/A	Spot trucks			
16:40	0	0	0	0	N/A	Rig up safety meeting			
18:30	0	0	0	0	N/A	Pre job safety meeting			
19:16	4000	0	0	0	H2O	Pressure test pumps and lines			
19:20	476	0	6	10	H2O	Fresh water spacer			
19:23	201	0	4.8	40	SEALBON	Seal bond spacer			
19:48	526	0	6	137	CMT	Batch up and pump 390 sks of PLC + 0.25% Cello Flake + 0.4% FL-52 + 6% Bentonite 12.5 ppg 1.94 yield 10.65 gps			
20:13	226	0	6	48	CMT	Batch up and pump 152 sks of (50:50) POZ + G + 0.4% FL-52 + 3% Bentonite + 0.1% SMS + 20% Silica Flour 13.5 ppg 1.71 yield 8.3 gps			
20:25	0	0	0	0	N/A	Drop plug			
20:32	1104	0	7.2	160	MUD	Displacement			
20:57	1274	0	6	40	MUD	Displacement rate change			
21:02	1149	0	4.8	40	MUD	Displacement rate change			
21:10	1074	0	2.4	4.5	MUD	Displacement rate change			
21:15	1099	0	2.4	245.8	MUD	Bump plug			
21:15	1623	0	0	0	N/A	Plug down @ 245.8 bbl's			
21:20	0	0	0	0	N/A	Check floats			
21:25	0	0	0	0	N/A	Rig down safety meeting			

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	1623	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	40	480.8	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	