

CEMENT JOB REPORT



CUSTOMER CARRIZO OIL & GAS		DATE 10-JUN-12	F.R. # 1001915029	SERV. SUPV. JOHN R WUDARCZYK								
LEASE & WELL NAME PERGAMOS 2-4-44-7-60		LOCATION 4-7N-60W		COUNTY-PARISH-BLOCK Weld Colorado								
DISTRICT Brighton		DRILLING CONTRACTOR RIG # Xtreme #19		TYPE OF JOB Intermediate								
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD	TVD	HANGER TYPES	MD	TVD		
Cement Plug, Rubber, Top 7 in		Float Shoe 7 - 8rd										
Top Cement Plug, Nitro Ox, Phen		Centralizer, with Pins, 7 in										
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		
Drilling Mud + Biocide				0	9.5	0	0	00:00	68	—		
Fresh Water				0	8.33	0	0	00:00	10	—		
SealBond Spacer				0	8.4	0	0	00:00	40	—		
Premium Lite Cement + adds				390	12.5	1.94	10.65		134.88	98.85		
50/50 (Poz/Class G Cement) + adds				161	13.5	1.71	8.30		49.11	31.82		
Drilling Mud				0	9.5	0	0	00:00	247.4	—		
Available Mix Water		400	Bbl.	Available Displ. Fluid		400	Bbl.	TOTAL	549.39	130.68		
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
8.75	35	6425	6.276	7	26	CSG	4877	4877	P-110	6407	6324	0
			6.366	7	23	CSG	6407	6207	P-110			
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	WGT.
8.9	9.63	36	CSG	1405	1405	NO PACKER	0	0	0	7	8RND	9.5
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		
247.4	BBLs	Drilling Mud	9.5	1075	0	0	0	0	5072	3000	RIG	
Circulation Prior to Job												
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1				Circulation Rate: 5 BPM				
Mud Density In: 9.5 LBS/GAL				Mud Density Out: 9.5 LBS/GAL				PV & YP Mud In: 18		PV & YP Mud Out: 18		
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 checked="" type="checkbox"/>				Amount Bled Back After Job: 2.5 BBLs								
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL				Method Used to Verify Returns: VISUAL								
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 checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE												
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES				Quantity: 50				Type: <input checked="" type="checkbox"/> BOW <input type="checkbox"/> RIGID				
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD												
Plugs												
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		
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 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						
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				

CEMENT JOB REPORT



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)
NONE

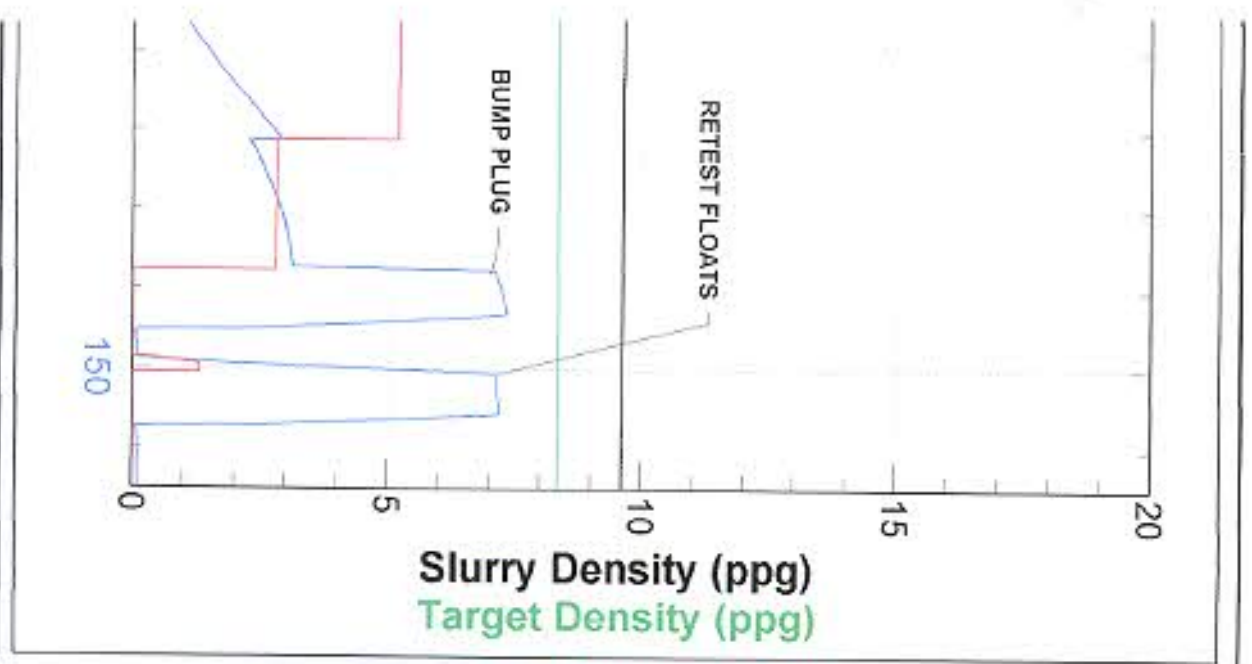
Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)
NONE

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
NONE

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE

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	4825 PSI		
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>			
05:45	0	0	0	0	0	ARRIVE ON LOCATION (82 MILES)			
06:15	0	0	0	0	0	PRE RIG UP SAFETY MEETING			
08:43	0	0	0	0	0	PRE JOB MEETING			
09:31	4825	0	0	0	H2O	PRESSURE TEST PUMPS AND LINES			
09:34	220	0	3.6	10	H2O	FRESH WATER			
09:38	282	0	4	40	H2O	SEAL BOND SPACER			
09:52	454	0	5.2	132	LEAD	BATCH UP AND PUMP 390 SKS PLC+ 25%CELLO FLAKE+ 4%FL-52+6% BENTONITE @ 12.5#			
10:21	250	0	5	45	TAIL	MIX AND PUMP POZ/G+ 4%FL-52+3%BENTONITE+ 1%SMS+20%S-8@13.5W			
10:42	0	0	0	0	H2O	DROP PLUG			
10:43	104	0	5.2	10	H2O	START DISPLACEMENT			
10:45	1017	0	5.2	190	MUD	CONTINUE DISPLACEMENT W/RIG MUD			
11:23	1105	0	2.8	46.5	MUD	SLOW RATE			
11:39	2492	0	0	0	MUD	BUMP PLUG @ 246.5 BBLs			
11:44	0	0	0	0	MUD	CHECK FLOATS 2.5 BBLs BACK			
11:52	2496	0	1.3	2.5	MUD	RETEST FLOATS			
11:57	0	0	0	0	MUD	BLEED OFF			
12:01	0	0	0	0	MUD	SHUT IN HEAD			
12:05	0	0	0	0	0	POST JOB 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	2492	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	28	473.5	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	



Job Start: Sunday, June 10, 2012



FIELD RECEIPT NO. 1001915029

CUSTOMER

CARRIZO OIL & GAS

CREDIT APPROVAL NO.

PURCHASE ORDER NO.

CUSTOMER NUMBER
20015134 - 00250300

INVOICE NUMBER

MAIL INVOICE TO : STREET OR BOX NUMBER
1000 LOUISIANA ST. STE 1699

CITY
Houston

STATE
Texas

ZIP CODE
77002

DATE WORK COMPLETED 05 10 2012 BHI REPRESENTATIVE
JOHN R WUDARCZYK

WELL API NO:

WELL TYPE:
New Well

DISTRICT
BUS. BRIGHTON

JOB DEPTH (ft)
6.407

WELL CLASS:
Oil

WELL NAME AND NUMBER
PERGAMOS 2-4-44-7-60

TO WELL DEPTH (ft)
6.425

GAS USED ON JOB:
No Gas

WELL LOCATION : LEGAL DESCRIPTION
4-7N-60W

COUNTY/PARISH
Weld

STATE
Colorado

JOB TYPE CODE :
Intermediate

PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT		
1000221	Class G Cement	sacks	81	31.800	2,575.80	65%	901.53		
100120	Bentonite	lbs	2442	0.530	1,294.26	65%	452.99		
100121	Silica Flour	lbs	2705	0.590	1,595.95	65%	556.58		
100275	Sodium Metasilicate	lbs	14	4.100	57.40	65%	20.09		
100295	Cello Flake	lbs	85	5.100	433.50	65%	151.73		
100317	Poz (Fly Ash)	sacks	81	14.200	1,150.20	65%	402.57		
396224	Premium Lite Cement	sacks	390	27.650	10,783.50	65%	3,774.23		
398416	SealBond Spacer (w/ 30lb pail)	bbbs	40	277.200	11,088.00	65%	3,890.80		
488015	FL-52	lbs	190	26.900	5,111.00	65%	1,788.85		
489019	FP-GL	gals	5	104.250	521.25	65%	182.44		
489252	Magnacide 575	gals	1	307.000	307.00	65%	107.45		
489521	SealBond Plus	lbs	600	4.750	2,838.00	65%	893.30		
489632	Granulated Sugar	lbs	100	3.940	394.00	65%	134.40		
SUB-TOTAL FOR Product Material							38,130.86	65.00%	13,348.96

ARRIVE LOCATION : 06 10 2012 05:48
CUSTOMER REP. BOB MCNEESE

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

SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.
CUSTOMER AUTHORIZED AGENT

SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS

CUSTOMER AUTHORIZED AGENT

X BHI APPROVED

FIELD RECEIPT NO. 1001915029



CUSTOMER: CARRIZO OIL & GAS CREDIT APPROVAL NO. PURCHASE ORDER NO. CUSTOMER NUMBER INVOICE NUMBER

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

INVOICE TO: DATE WORK MO. DAY YEAR BHI REPRESENTATIVE WELL API NO. WELL TYPE: JOHN R WUDARCZYK New Well

COMPLETED 06 10 2012 DISTRICT BJS, BRIGHTON JOB DEPTH (ft) 6.407 WELL CLASS: Oil

WELL NAME AND NUMBER PERCAMOS 2-4-44-7-60 TD WELL DEPTH (ft) 6.425 GAS USED ON JOB: No Gas

WELL LOCATION: LEGAL DESCRIPTION 4-7N-60W COUNTY/PARISH Weld STATE Colorado JOB TYPE CODE: Intermediate

PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
A152	Personnel Per Diem Chrg - Cement Svc	ea	1	210.000	210.00	0%	210.00
M100	Bulk Materials Blending Charge	cu ft	694	5.450	3,727.80	65%	1,304.73
R798	Automatic Density System	job	1	1,990.000	1,990.00	65%	696.50
			SUB-TOTAL FOR Service Charges		5,927.80	62.70%	2,211.23
F065A	Cement Pumping, 6001 - 7000 ft	Ghrs	1	8,300.000	8,300.00	65%	2,905.00
F090	Fuel per pump charge - cement	pump/hr	12	70.250	843.00	0%	843.00
J050	Cement Head	job	1	830.000	830.00	65%	290.50
J390	Mileage, Heavy Vehicle	miles	164	11.850	1,943.40	65%	660.19
J391	Mileage, Auto, Pick-Up or Treating Van	miles	164	6.700	1,098.80	65%	364.56
			SUB-TOTAL FOR Equipment		13,015.20	60.79%	5,103.27
J401	Bulk Delivery, Dry Products	ton-rt	2227	3.940	8,774.38	65%	3,071.03
			SUB-TOTAL FOR Freight/Delivery Charges		8,774.38	65.00%	3,071.03
			FIELD ESTIMATE		65,957.24	63.96%	23,734.40

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

CUSTOMER REP: BOB MCNEESE
 SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS
 CUSTOMER AUTHORIZED AGENT

Well: Percamos 2-4-44-7-60
 AFE: 311-180
 Code: 660-110
 Description: 7" Cement
 Amount Approved: \$23,734.40
 Approved By: [Signature]