

# CEMENT JOB REPORT



<b>CUSTOMER</b> CARRIZO OIL & GAS INC XML			<b>DATE</b> 16-SEP-14		<b>F.R. #</b> 10011099701			<b>SERV. SUPV.</b> ERIC S DEWIT						
<b>LEASE &amp; WELL NAME</b> O'HARE #1-29-11-57 - API 05123400810000			<b>LOCATION</b> 29-11N-57W			<b>COUNTY-PARISH-BLOCK</b> Weld Colorado								
<b>DISTRICT</b> Brighton			<b>DRILLING CONTRACTOR RIG #</b> Xtreme Coil 19			<b>TYPE OF JOB</b> Surface								
<b>SIZE &amp; TYPE OF PLUGS</b>		<b>LIST-CSG-HARDWARE</b>			<b>MECHANICAL BARRIERS</b>		<b>MD</b>	<b>TVD</b>	<b>HANGER TYPES</b>		<b>MD</b>	<b>TVD</b>		
Cement Plug, Rubber, Top 9-5/8 in		Cement Basket, Slip On, 9-5/8 in												
		Centralizer, with Pins, 9-5/8 in												
		Float Collar, Auto Fill, 9-5/8 - 8rd												
		Float Shoe 9-5/8 - 8rd												
<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>	<b>PUMP TIME HR:MIN</b>	<b>Bbl SLURRY</b>	<b>Bbl MIX WATER</b>
Fresh Water + 2 lbs Red Dye								0	8.34	0	0	00:00	15	
Type III Cmt + adds								146	14.5	1.41	6.82	02:36	36.58	23.70
Premium Lite Cmt + adds								400	13	1.81	9.46	05:56	129.24	90.09
Fresh Water								0	8.34	0	0	00:00	108.23	
<b>Available Mix Water</b> 400 <b>Bbl.</b>				<b>Available Displ. Fluid</b> 400 <b>Bbl.</b>				<b>TOTAL</b>				289.05	113.79	
<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>	<b>TVD</b>	<b>GRADE</b>	<b>SHOE</b>	<b>FLOAT</b>	<b>STAGE</b>		
12.25	100	1495	8.921	9.625	36	CSG	1475	1475	J-55	1475	1430	0		
<b>LAST CASING</b>			<b>PKR-CMT RET-BR PL-LINER</b>			<b>PERF. DEPTH</b>			<b>TOP CONN</b>		<b>WELL FLUID</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>	<b>TOP</b>	<b>BTM</b>	<b>SIZE</b>	<b>THREAD</b>	<b>TYPE</b>	<b>WGT.</b>
15.	16	65		70	70	No Packer		0	0	0	9.625	8RND	FRESH WATER	8.4
<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>MAX CSG PSI</b>		<b>MIX WATER</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>	<b>Operator</b>	<b>RATED</b>	<b>Operator</b>			
110.6	BBLS	Fresh Water		8.34	388	0	0	0	0	3500	2500	Rig Tank		
<b>Circulation Prior to Job</b>														
Circulated Well: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>				Circulation Time: 1				Circulation Rate: 5 BPM						
Mud Density In: 8.4 LBS/GAL				Mud Density Out: 8.4 LBS/GAL				PV & YP Mud In: 0		PV & YP Mud Out: 0				
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 checked="" type="checkbox"/>				Amount Bled Back After Job: .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"/> 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: 15				Type: <input 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														
<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 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>Casing Test (Update Original Treatment Report for Primary Job)</b>														
Casing Test Pressure: 1569 PSI				With 8.34 LBS/GAL Mud				Time Held: 00 Hours 15 Minutes						
<b>EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING</b> None														

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## 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

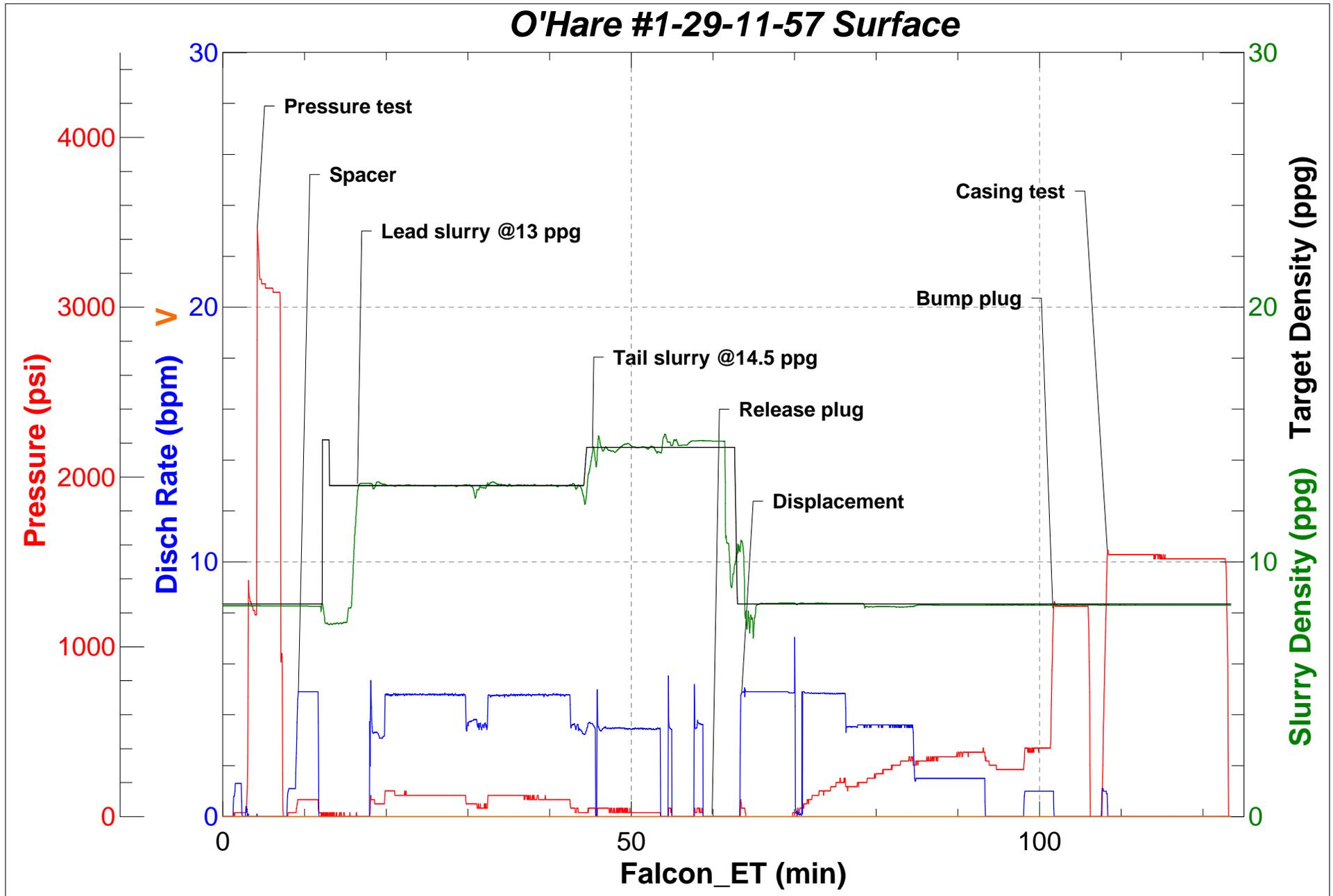
Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)  
None

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

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	3467 PSI
						CIRCULATING WELL - RIG <input type="checkbox"/>	BJ <input checked="" type="checkbox"/>
20:05	0	0	0	0	N/A	Leave yard (9/16/14)	
03:55	0	0	0	0	N/A	Arrive on location (9/17/14, 123 Miles) Rig running casing	
05:37	0	0	0	0	N/A	Spot trucks	
05:53	0	0	0	0	N/A	Pre rig up safety meeting	
06:32	0	0	0	0	N/A	Pre job safety meeting	
07:05	24	0	1	1	H2O	Load pumps and lines	
07:07	3467	0	0	0	H2O	Pressure test pumps and lines	
07:12	100	0	4.9	15	H2O	Fresh water spacer with dye	
07:19	100	0	4.8	121	CMT	Batch, weigh, and pump lead slurry @13 ppg	
07:48	49	0	3.6	35	CMT	Batch, weigh, and pump tail slurry @14.5 ppg	
08:05	0	0	0	0	N/A	Release plug	
08:07	227	0	4.9	60	H2O	Displacement	
08:20	353	0	3.6	30	H2O	Drop rate	
08:29	379	0	1.5	15	H2O	Drop rate	
08:37	328	0	0	0	H2O	Shut down to let cement fall	
08:42	457	0	1	5	H2O	Finish displacement	
08:46	1239	0	0	0	H2O	Bump plug (62 bbls of cement to surface)	
08:50	0	0	0	0	H2O	Check floats (floats held)	
08:52	1569	0	0	0	H2O	Start casing test	
09:07	0	0	0	0	N/A	End casing test	
09:11	0	0	0	0	N/A	Pre rig down safety meeting	
10:15	0	0	0	0	N/A	Leave location	
	0	0	0	0	N/A	Arrive back at the yard	

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	457	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	62	372	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

### O'Hare #1-29-11-57 Surface





FIELD RECEIPT NO. 10011099701

<b>CUSTOMER</b> CARRIZO OIL & GAS INC XML					<b>CREDIT APPROVAL NO.</b>	<b>PURCHASE ORDER NO.</b>	<b>CUSTOMER NUMBER</b> 0040003338 - 0040139823-1	<b>INVOICE NUMBER</b>		
<b>MAIL INVOICE TO :</b>		<b>STREET OR BOX NUMBER</b> 500 DALLAS STREET, SUITE 2499			<b>CITY</b> Houston		<b>STATE</b> Texas	<b>ZIP CODE</b> 77063		
<b>DATE WORK COMPLETED</b>	<b>MO.</b> 09	<b>DAY</b> 16	<b>YEAR</b> 2014	<b>BHI REPRESENTATIVE</b> ERIC S DEWIT		<b>WELL API NO:</b> 05123400810000	<b>WELL TYPE :</b> New Well			
<b>DISTRICT</b> PP, BRIGHTON					<b>JOB DEPTH(ft)</b> 1,475		<b>WELL CLASS :</b> Oil			
<b>WELL NAME AND NUMBER</b> O'HARE #1-29-11-57					<b>TD WELL DEPTH(ft)</b> 1,496		<b>GAS USED ON JOB :</b> No Gas			
<b>WELL LOCATION :</b>		<b>LEGAL DESCRIPTION</b> 29-11N-57W			<b>COUNTY/PARISH</b> Weld	<b>STATE</b> Colorado	<b>JOB TYPE CODE :</b> Surface			
PRODUCT CODE	DESCRIPTION				UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
100112	Calcium Chloride				lbs	1250	1.290	1,612.50	70%	483.75
100295	Cello Flake				lbs	137	5.100	698.70	70%	209.61
100404	Sodium Chloride				lbs	947	0.520	492.44	70%	147.73
398224	Premium Lite Cement				sacks	400	27.650	11,060.00	70%	3,318.00
488449	Bentonite II				lbs	2088	0.440	918.72	70%	275.62
499632	Granulated Sugar				lbs	150	3.840	576.00	70%	172.80
499680	Static Free				lbs	20	40.700	814.00	70%	244.20
499703	Type III Cement				sacks	146	31.700	4,628.20	70%	1,388.46
SUB-TOTAL FOR Product Material								20,800.56	70.00%	6,240.17
A152	Personnel Per Diem Chrg - Cement Svc				ea	1	210.000	210.00	0%	210.00
M100	Bulk Materials Blending Charge				cu ft	733	5.450	3,994.85	70%	1,198.46
R798	Automatic Density System				job	1	1,990.000	1,990.00	70%	597.00
SUB-TOTAL FOR Service Charges								6,194.85	67.63%	2,005.46
<b>ARRIVE LOCATION :</b>	<b>MO.</b> 09	<b>DAY</b> 17	<b>YEAR</b> 2014	<b>TIME</b> 03:55	<b>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.</b>			<b>SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.</b>		
<b>CUSTOMER REP.</b> Jeff Myer					<b>CUSTOMER AUTHORIZED AGENT</b> X			<b>BHI APPROVED</b> X		
<b>SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS</b>								<b>CUSTOMER AUTHORIZED AGENT</b>		



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<b>PRODUCT CODE</b>	<b>DESCRIPTION</b>				<b>UNIT OF MEASURE</b>	<b>QUANTITY</b>	<b>LIST PRICE UNIT</b>	<b>GROSS AMOUNT</b>	<b>% DISC.</b>	<b>NET AMOUNT</b>
F055A	Cement Pumping, 1001 - 2000 ft				4hrs	1	4,875.000	4,875.00	70%	1,462.50
F090	Fuel per pump charge - cement				pump/hr	5	70.250	351.25	0%	351.25
J050	Cement Head				job	1	830.000	830.00	70%	249.00
J225	Data Acquisition, Cement, Standard				job	1	2,130.000	2,130.00	70%	639.00
J390	Mileage, Heavy Vehicle				miles	246	11.850	2,915.10	70%	874.53
J391	Mileage, Auto, Pick-Up or Treating Van				miles	246	6.700	1,648.20	70%	494.46
K289	Misc Cement Pumping, Non-Pump Time				hrs	1	575.000	575.00	70%	172.50
	SUB-TOTAL FOR Equipment							13,324.55	68.15%	4,243.24
J401	Bulk Delivery, Dry Products				ton-mi	3842	3.940	15,137.48	70%	4,541.24
J402	Bulk Delivery, Standby Charge				hrs	2	226.500	453.00	70%	135.90
J404	Bulk Delivery, Return of Unused Mtls				ton-mi	579	3.940	2,281.26	70%	684.38
	SUB-TOTAL FOR Freight/Delivery Charges							17,871.74	70.00%	5,361.52
	FIELD ESTIMATE							58,191.70	69.32%	17,850.39
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<b>CUSTOMER REP.</b> Jeff Myer					<b>CUSTOMER AUTHORIZED AGENT</b> X			<b>CUSTOMER AUTHORIZED AGENT</b>		
<b>SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS</b>								<b>CUSTOMER AUTHORIZED AGENT</b> X		