





FIELD RECEIPT NO. 10011034772

<b>CUSTOMER</b> WHITING OIL & GAS CORP XML				<b>CREDIT APPROVAL NO.</b>	<b>PURCHASE ORDER NO.</b>	<b>CUSTOMER NUMBER</b> 20096998 - 0040137279	<b>INVOICE NUMBER</b>
<b>MAIL INVOICE TO</b>		<b>STREET OR BOX NUMBER</b> 1700 BROADWAY, SUITE 2300		<b>CITY</b> DENVER	<b>STATE</b> Colorado	<b>ZIP CODE</b> 80290-2300	
<b>DATE WORK COMPLETED</b>	<b>MO.</b> 12	<b>DAY</b> 22	<b>YEAR</b> 2013	<b>BHI REPRESENTATIVE</b> RYAN R STEVENS	<b>WELL API NO:</b> 05123378980000	<b>WELL TYPE :</b> New Well	
<b>DISTRICT</b> BJS, BRIGHTON				<b>JOB DEPTH (ft)</b> 12,215	<b>WELL CLASS :</b> Oil		
<b>WELL NAME AND NUMBER</b> RAZOR #27I-3415A				<b>TD WELL DEPTH (ft)</b> 12,525	<b>GAS USED ON JOB :</b> No Gas		
<b>WELL LOCATION :</b>		<b>LEGAL DESCRIPTION</b> 27-10N-58W		<b>COUNTY/PARISH</b> Weld	<b>STATE</b> Colorado	<b>JOB TYPE CODE :</b> Liner	

PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
100021	Class G Cement	sacks	258	29.700	7,662.60	65%	2,681.91
100112	Calcium Chloride	lbs	300	1.220	366.00	75%	91.50
100120	Bentonite	lbs	1301	0.500	650.50	65%	227.68
100121	Silica Flour	lbs	8669	0.530	4,594.57	65%	1,608.10
100283	R-3	lbs	118	3.490	411.82	65%	144.14
100316	Barite, Bulk	lbs	4100	0.600	2,460.00	65%	861.00
100317	Poz (Fly Ash)	sacks	258	13.200	3,405.60	65%	1,191.96
100404	Sodium Chloride	lbs	100	0.490	49.00	75%	12.25
398117	Ultra Flush II System	bbls	20	203.000	4,060.00	65%	1,421.00
428086	BA-59	lbs	87	34.200	2,975.40	65%	1,041.39
488015	FL-52	lbs	261	25.600	6,681.60	65%	2,338.56
488019	FP-6L	gals	4	99.250	397.00	65%	138.95
499632	Granulated Sugar	lbs	50	3.490	174.50	65%	61.08
499767	FL-63	lbs	87	68.500	5,959.50	65%	2,085.83
SUB-TOTAL FOR Product Material					39,848.09	65.10%	13,905.35

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<b>CUSTOMER REP.</b> Chris						<input checked="" type="checkbox"/> <b>CUSTOMER AUTHORIZED AGENT</b>
<b>SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS</b>						<input checked="" type="checkbox"/> <b>BHI APPROVED</b>



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PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
A152	Personnel Per Diem Chrg - Cement Svc	ea	1	161.500	161.50	0%	161.50
M100	Bulk Materials Blending Charge	cu ft	725	4.170	3,023.25	65%	1,058.14
R798	Automatic Density System	job	1	1,530.000	1,530.00	65%	535.50
	SUB-TOTAL FOR Service Charges				4,714.75	62.77%	1,755.14
F077A	Cement Pumping, 12001 - 13000 ft	8hrs	1	21,750.000	21,750.00	65%	7,612.50
F090	Fuel per pump charge - cement	pump/hr	6	61.000	366.00	0%	366.00
J050	Cement Head	job	1	635.000	635.00	65%	222.25
J225	Data Acquisition, Cement, Standard	job	1	1,635.000	1,635.00	65%	572.25
J390	Mileage, Heavy Vehicle	miles	206	9.100	1,874.60	65%	656.11
J391	Mileage, Auto, Pick-Up or Treating Van	miles	206	5.150	1,060.90	65%	371.32
	SUB-TOTAL FOR Equipment				27,321.50	64.13%	9,800.43
J401	Bulk Delivery, Dry Products	ton-mi	3009	3.030	9,117.27	65%	3,191.04
	SUB-TOTAL FOR Freight/Delivery Charges				9,117.27	65.00%	3,191.04

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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>
	FIELD ESTIMATE							81,001.61	64.63%	28,651.96
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<b>CUSTOMER REP.</b> Chris					<b>CUSTOMER AUTHORIZED AGENT</b>			<b>X</b>		
<b>SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS</b>								<b>BHI APPROVED</b>		
					<b>CUSTOMER AUTHORIZED AGENT</b>					

# CEMENT JOB REPORT



CUSTOMER WHITING OIL & GAS CORP XM			DATE 22-DEC-13		F.R. # 10011034772		SERV. SUPV. RYAN R STEVENS									
LEASE & WELL NAME RAZOR #271-3415A - API 05123378980000			LOCATION 27-10N-58W			COUNTY-PARISH-BLOCK Weld Colorado										
DISTRICT Brighton			DRILLING CONTRACTOR RIG # CADE 23			TYPE OF JOB Liner										
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE			MECHANICAL BARRIERS		MD	TVD	HANGER TYPES		MD	TVD				
Plug		Float Collar, Al Flap, 4-1/2 - 8rd			Liner Packer		4823	4823	Liner		5620	12515				
Liner		Float Shoe 4-1/2 - 8rd														
Dart for plug																
MATERIALS FURNISHED BY BJ			LAB REPORT NO.			PHYSICAL SLURRY PROPERTIES										
						SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT <sup>3</sup>	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER				
50:50 + Addis			C12-067-13			516	14.5	1.44	6.20	07:50	132.26	76.15				
Fresh Water						0	8.34	0	0	00:00	148.7					
Ultraflush II						0	12	0	0	00:00	20					
Fresh Water						0	8.34	0	0	00:00	10					
Oil based mud						0	0	0	0	00:00	0					
Available Mix Water 500 Bbl.			Available Displ. Fluid 500 Bbl.			TOTAL			310.96		76.15					
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS							
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE				
6	0	12525	4	4.5	11.6	CSG	12515	5620	N-80	12515	12420	0				
			2.562	4	36	DP	4823	4823								
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.		
6.3	7	26	CSG	6282	5620	Liner		12215	0	0	4	8RD	WATER BASED	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						
148.7	BBLS	Fresh Water	8.34	622	0	0	0	0	6224	6000	Rig tank					
<b>Circulation Prior to Job</b>																
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1				Circulation Rate: 3 BPM								
Mud Density In: 9.5 LBS/GAL				Mud Density Out: 9.5 LBS/GAL				PV & YP Mud In: 14		PV & YP Mud Out: 14						
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: 0 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 type="checkbox"/> YES <input checked="" type="checkbox"/> NO				Were Returns Planned at Surface: <input checked="" type="checkbox"/> NO <input 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 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 checked="" 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: 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	4365 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
12:00	0	0	0	0	N/A	Yard call	
15:07	0	0	0	0	N/A	Time left district	
17:10	0	0	0	0	N/A	Time arrived on location ( 103 miles)	
17:20	0	0	0	0	N/A	HRA/ Spot trucks	
17:30	0	0	0	0	N/A	Pre rig up safety meeting	
19:45	0	0	0	0	N/A	Pre job safety meeting	
20:21	0	0	0	0	N/A	Rig pump ball down set liner	
21:59	4365	0	0	0	WATER	Pressure test	
22:06	728	0	3.1	10	WATER	Fresh water spacer	
22:11	501	0	2.5	20	SPACER	Ultra flush II spacer	
22:23	678	0	3.7	130	CEMENT	Batch up, weigh and pump 516 SXS of class of (50:50) POZ ( Fly Ash) :Class G + 0.27% R-3 + 0.2% FL-63 + 0.6% FL-52 + 3% Bentonite + 20% Silca Flour + 0.2% BA-59 @ 14.5 PPG	
23:04	0	0	0	0	N/A	Drop dart	
23:17	122	0	3.7	20	WATER	Displacement	
23:21	552	0	2.9	20	WATER	Slow rate to pick up Plug	
23:28	2328	0	1486	90	WATER	Increase rate	
23:51	1678	0	2.8	13	WATER	Drop rate	
23:57	1991	0	2.8	143	WATER	Bump plug	
00:00	0	0	0	0	N/A	Check floats	
00:03	0	0	0	0	N/A	set packer	
00:11	2269	0	1.2	1	WATER	Back side test	
00:26	0	0	0	0	N/A	Bleed off	
00:33	1486	0	6	115	WATER	Role 7 inch	
00:57	0	0	0	0	N/A	Shut down	
01:00	0	0	0	0	N/A	Pre rig down safety meeting	
02:00	0	0	0	0	N/A	Time off location	

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	1991	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	.5	419	0	Y <input checked="" type="checkbox"/> N	