



CEMENT JOB REPORT



CUSTOMER		WHITING PETROLEUM CORP		DATE	16-NOV-13	F.R. #	10011027353	SERV. SUPV.	STEPHEN J CARDOS
LEASE & WELL NAME		RAZOR #271-3413A - API 05123378990000		LOCATION		27-10N-58W		COUNTY-PARISH-BLOCK	
DISTRICT		Bridgton		DRILLING CONTRACTOR RIG #		CADE 21		TYPE OF JOB	
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD		HANGER TYPES	
Cement Plug, Rubber, Top 7 in		Cement Basket, Slip On, 7 in		N/A		0		N/A	
Centralizer, with Pins, 7 in		Float Collar, Auto Fill, 7 - 8rd		Float Shoe 7 - 8rd					
PHYSICAL SLURRY PROPERTIES		SACKS OF CEMENT		SLURRY WT		PPG		FT3	
LAB REPORT NO.		SACKS OF CEMENT		SLURRY WT		PPG		FT3	
MATERIALS FURNISHED BY BJ		LAB REPORT NO.		SACKS OF CEMENT		SLURRY WT		PPG	
Ultra Flush II Spacer		n/a		0		10.5		0	
(35:65) + LW-6 + Adds		N/A		307		10.5		2.64	
Fresh Water		N/A		0		8.34		0	
(35:65) + LW-6 + Adds		N/A		91		10.5		3.12	
Available Mix Water		1000		Bbl.		Available Displ. Fluid		1000	
HOLE		TBG-CSG-D.P.		MD		TVD		GRADE	
SIZE		% EXCESS		DEPTH		ID		OD	
8.75		35		5946		6.184		7	
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH		TOP CONN		WELL FLUID	
ID		OD		WGT		TYPE		MD	
8.9		9.63		36		CSG		1550	
DISPL. VOLUME		DISPL. FLUID		CAL. PSI		OP. MAX		MAX TBG PSI	
VOLUME		UOM		TYPE		WGT.		BUMPS PLUG	
226		BBS		Fresh Water		8.34		156	
Circulated Well:		Rig		X		BJ		Circulation Time: 1	
Mud Density In: 9.7 LBS/GAL		Mud Density Out: 9.7 LBS/GAL		PV & YP Mud In: 10		PV & YP Mud Out: 10		Circulation Rate: 6 BPM	
Gas Present: NO		X		YES		Units:		Solids Present at End of Circulation: NO	
Displaced By:		Rig		X		BJ		Amount Bled Back After Job: 2 BBS	
Returns During Job:		NONE		PARTIAL		X		FULL	
Cement Returns at Surface:		X		YES		NO		Were Returns Planned at Surface: NO	
Pipe Movement:		ROTATION		X		NONE		UNABLE DUE TO STUCK PIPE	
Centralizers:		NO		X		YES		Quantity: 24	
Job Pumped Through:		CHOKE MANIFOLD		X		SQUEEZE MANIFOLD		X	
Plugs		SQUEEZE MANIFOLD		X		MANIFOLD		NO MANIFOLD	
Number of Attempts by BJ: 0		Competition: 0		Wiper Balls Used: X		NO		YES	
Plug Catcher Used: X		NO		YES		Parabow Used: X		NO	
Was There a Bottom: X		NO		YES		Top of Plug: 0 FT		Bottom of Plug: 0 FT	
Squeezes (Update Original Treatment Report for Primary Job)		SHOE SQUEEZE		X		PLANNED		UNPLANNED	
Casing Test Pressure: 1507 PSI		With 9.7 LBS/GAL Mud		Time Held: 00 Hours 15 Minutes		EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: 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	TEST LINES

00:00	0	0	0	N/A	YARD CALL
02:12	0	0	0	N/A	LEAVE YARD
04:35	0	0	0	N/A	ARRIVE ON LOCATION(RUNNING CASING)
06:30	0	0	0	N/A	SPOT TRUCKS
06:35	0	0	0	N/A	PRE RIG UP SAFETY MEETING(PROBLEM WITH LANDING JOINT HAD TO BE REPAIRED)
10:50	0	0	0	N/A	SAFETY MEETING
11:15	5051	0	0	H2O	PRESSURE TEST
11:19	711	0	5.1	H2O	FRESH WATER SPACER
11:21	343	0	2.8	H2O	ULTRAFUSH SPACER
11:35	432	0	5.2	CMT	BATCH/WEIGH/PUMP 10.5 LB CEMENT LEAD SLURRY
11:57	746	0	5.2	CMT	BATCH/WEIGH/PUMP 10.5 LB CEMENT TAIL SLURRY
12:34	0	0	0	H2O	DOWN/RELEASE PLUG/DISPLACE
12:42	1263	0	4	MUD	DISPLACEMENT
01:26	1106	0	3.6	MUD	DROP RATE
01:28	907	0	.7	MUD	DROP RATE
01:37	1032	0	2.4	MUD	INCREASE RATE
01:49	2007	0	0	MUD	BUMP PLUG
01:51	0	0	0	H2O	TEST FLOATS
02:09	1507	0	0	H2O	CASING TEST
02:24	0	0	0	H2O	BLEED OFF PRESSURE JOB DONE

<input checked="" type="checkbox"/> Y	BUMPED PLUG	<input checked="" type="checkbox"/> Y	PSI TO BUMP PLUG	<input checked="" type="checkbox"/> Y	TEST EQUIP. FLOAT	40	BBL.CMT REVERSED	492	TOTAL BBL. PUMPED	0	PSI LEFT ON CSG	<input checked="" type="checkbox"/> Y	SPOT TOP OUT CEMENT	Service Supervisor Signature:
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[Signature]

FIELD RECEIPT NO. 10011027353



CUSTOMER		WHITTING PETROLEUM CORP		CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER 20096998 - 00218070		INVOICE NUMBER	
MAIL		STREET OR BOX NUMBER		CITY		STATE		ZIP CODE			
INVOICE TO		1700 BROADWAY STE 2300		DENVER		Colorado		80290			
DATE WORK COMPLETED		MO. 11	DAY 16	YEAR 2013	BHI REPRESENTATIVE STEPHEN J CARDOS	WELL API NO: 05123378990000		WELL TYPE : New Well			
DISTRICT BJS, BRIGHTON						JOB DEPTH(ft) 6.067		WELL CLASS : Oil			
WELL NAME AND NUMBER RAZOR #271-3413A						TD WELL DEPTH(ft) 6.085		GAS USED ON JOB : No Gas			
WELL LOCATION :		LEGAL DESCRIPTION 27-10N-58W		COUNTRY/PARISH Weld		STATE Colorado		JOB TYPE CODE : Intermediate			
PRODUCT CODE	DESCRIPTION				UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT	
100021	Class G Cement				sacks	260	31.800	8,268.00	65%	2,893.80	
100112	Calcium Chloride				lbs	250	1.290	322.50	75%	80.63	
100266	Silica Sand, 100 mesh, Sacked				lbs	1564	0.630	997.92	65%	349.27	
100275	Sodium Metasilicate				lbs	174	4.100	713.40	65%	249.69	
100283	R-3				lbs	27	3.840	103.68	65%	36.29	
100295	Cello Flake				lbs	5	5.100	25.50	65%	8.93	
100316	Barite, Bulk				lbs	2500	0.630	1,575.00	65%	551.25	
100317	Poz (Fly Ash)				sacks	140	14.200	1,988.00	65%	695.80	
100380	LW-6				lbs	16721	4.380	73,237.98	65%	25,633.29	
100404	Sodium Chloride				lbs	150	0.520	78.00	75%	19.50	
398117	Ultra Flush II System				bbls	20	213.500	4,270.00	65%	1,494.50	
424509	FP-13L				gals	5	187.500	937.50	65%	328.13	
488167	FL-25				lbs	417	22.600	9,424.20	65%	3,298.47	
488353	CSE-2				lbs	1732	1.700	2,944.40	65%	1,030.54	
499632	Granulated Sugar				lbs	50	3.840	192.00	65%	67.20	
499680	Static Free				lbs	25	40.700	1,017.50	65%	356.13	
ARRIVE LOCATION : 11 16 2013 04:35		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.				SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.	
CUSTOMER REP. BENJAMIN BETTS						X				CUSTOMER AUTHORIZED AGENT	
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS						X				BHI APPROVED	

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PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT																
SUB-TOTAL FOR Product Material																							
A152	Personnel Per Diem Chrg - Cement Svc	ea	1	210.000	210.00	0%	210.00																
M100	Bulk Materials Blending Charge	cu ft	1186	5.450	6,463.70	65%	2,262.30																
R798	Automatic Density System	job	1	1,990.000	1,990.00	65%	696.50																
SUB-TOTAL FOR Service Charges																							
F063A	Cement Pumping, 5001 - 6000 ft	6hrs	1	7,325.000	7,325.00	65%	2,563.75																
F088	Cement Pumping, Additional hrs	hrs	3	900.000	2,700.00	65%	945.00																
J050	Cement Head	job	1	830.000	830.00	65%	290.50																
J225	Data Acquisition, Cement, Standard	job	1	2,130.000	2,130.00	65%	745.50																
J390	Mileage, Heavy Vehicle	miles	212	11.850	2,512.20	65%	879.27																
J391	Mileage, Auto, Pick-Up or Treating Van	miles	212	6.700	1,420.40	65%	497.14																
SUB-TOTAL FOR Equipment																							
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			27-10N-58W		Weld		Colorado		Intermediate							
PRODUCT CODE			DESCRIPTION		UNIT OF MEASURE		QUANTITY		LIST PRICE UNIT		GROSS AMOUNT		% DISC.		NET AMOUNT	
J401			Bulk Delivery, Dry Products		ton-mi		3088		3.940		12,166.72		65%		4,258.35	
			SUB-TOTAL FOR Freight/Delivery Charges								12,166.72		65.00%		4,258.35	
			FIELD ESTIMATE								143,843.60		64.93%		50,441.73	
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