

CEMENT JOB REPORT



CUSTOMER WHITING PETROLEUM CORP		DATE 26-DEC-13	F.R. # 10011035145	SERV. SUPV. AARON M MCWILLIAMS	
LEASE & WELL NAME RAZOR #21C-2805A - API 05123378390000		LOCATION 21-10N-58W		COUNTY-PARISH-BLOCK Weld Colorado	
DISTRICT Brighton		DRILLING CONTRACTOR RIG # CADE 21		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 Collar, Auto Fill, 7 - 8rd						
	Float Shoe 7 - 8rd						
	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
Ultra Flush II Spacer		0	0	10.5	4.72	32.49	00:00	20	18.40
(35:65) + LW-6 + Adds		C12-080-13	313	10.5	2.64	8.86	04:58	147.15	66.06
Fresh Water		0	0	8.34	0	0	00:00	227.8	
(35:65) + LW-6 + Adds		C12-080-13	95	10.5	3.12	10.49	03:23	52.81	23.74
Available Mix Water 500 Bbl.		Available Displ. Fluid 300 Bbl.	TOTAL						
			447.76 108.21						

HOLE			TBG-CSG-D.P.							COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
8.75	35	6214	6.184	7	29	CSG	6179	5200	P-110	6179	6132	0

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	1651	1651	No packer	0	0	0	7	8RD	10.2

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				
227	BBLs	Fresh Water	8.34	100	0	0	0	0	8976	3000	Frack tank			

Circulation Prior to Job			
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>		Circulation Time: 1	
Mud Density In: 10.2 LBS/G		Mud Density Out: 10.2 LBS/GAL	
Gas Present: NO <input type="checkbox"/> YES <input checked="" type="checkbox"/>		Units: 0	
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 BBLs	
Returns During Job: <input type="checkbox"/> NONE <input checked="" 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 type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE			
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES		Quantity: 20	
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 type="checkbox"/> RIGID	

Plugs			
Number of Attempts by BJ: 0		Competition: 0	
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Parabow Used: <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 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: 1998 PSI	Time Held: 00 Hours 15 Minutes

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

Load Sheet



WELL NAME RAZOR #21C-2805A

CUSTOMER WHITING PETROLEUM CORP

JOB DATE DEC-26-2013

BRANCH BULK PLANT BJS, BRIGHTON

FIELD RECEIPT NO 10011035145

FIELD RECEIPT DATED DEC-26-2013

[illegible]

COMMENTS:

DATE DEC-24-2013

DATE DEC-26-2013

SERVICE SUPERVISOR

DATE _____

OPERATIONS SUPERVISOR

CUSTOMER SIGNATURE

FIELD RECEIPT NO. 10011035145



CUSTOMER		WHITTING PETROLEUM CORP		CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER		INVOICE NUMBER	
MAIL		STREET OR BOX NUMBER		CITY		STATE		ZIP CODE			
INVOICE TO		1700 BROADWAY STE 2300		DENVER		Colorado		80290			
DATE WORK COMPLETED		MO. DAY YEAR		BHI REPRESENTATIVE		WELL API NO:		WELL TYPE:			
12 26 2013		AARON M MCWILLIAMS		05123378390000		6,179		New Well			
DISTRICT		BJS, BRIGHTON		JOB DEPTH(ft)		WELL CLASS:		Gas			
WELL NAME AND NUMBER		RAZOR #21C-2805A		TD WELL DEPTH(ft)		GAS USED ON JOB:		No Gas			
WELL LOCATION:		LEGAL DESCRIPTION		COUNTY/PARISH		STATE		JOB TYPE CODE:			
21-10N-58W		Weid		Colorado		Intermediate					
PRODUCT CODE	DESCRIPTION		UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT			
100021	Class G Cement		sacks	266	31.800	8,458.80	65%	2,960.58			
100112	Calcium Chloride		lbs	300	1.290	387.00	75%	96.75			
100266	Silica Sand, 100 mesh, Sacked		lbs	1653	0.630	1,041.39	65%	364.49			
100275	Sodium Metasilicate		lbs	179	4.100	733.90	65%	256.87			
100283	R-3		lbs	28	3.840	107.52	65%	37.63			
100295	Cello Flake		lbs	5	5.100	25.50	65%	8.93			
100316	Barite, Bulk		lbs	2400	0.630	1,512.00	65%	529.20			
100317	Poz (Fly Ash)		sacks	144	14.200	2,044.80	65%	715.68			
100380	LW-6		lbs	17152	4.380	75,125.76	65%	26,294.02			
100404	Sodium Chloride		lbs	100	0.520	52.00	75%	13.00			
398117	Ultra Flush II System		bbls	20	213.500	4,270.00	65%	1,494.50			
488019	FP-6L		gals	4	104.250	417.00	65%	145.95			
488167	FL-25		lbs	427	22.600	9,650.20	65%	3,377.57			
488353	CSE-2		lbs	1776	1.700	3,019.20	65%	1,056.72			
499632	Granulated Sugar		lbs	100	3.840	384.00	65%	134.40			
499680	Static Free		lbs	25	40.700	1,017.50	65%	356.13			
ARRIVE LOCATION:		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.					
12 26 2013		12:00									
CUSTOMER REP.		Brody Hanson		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		BHI APPROVED					
						X					

FIELD RECEIPT NO. 10011035145

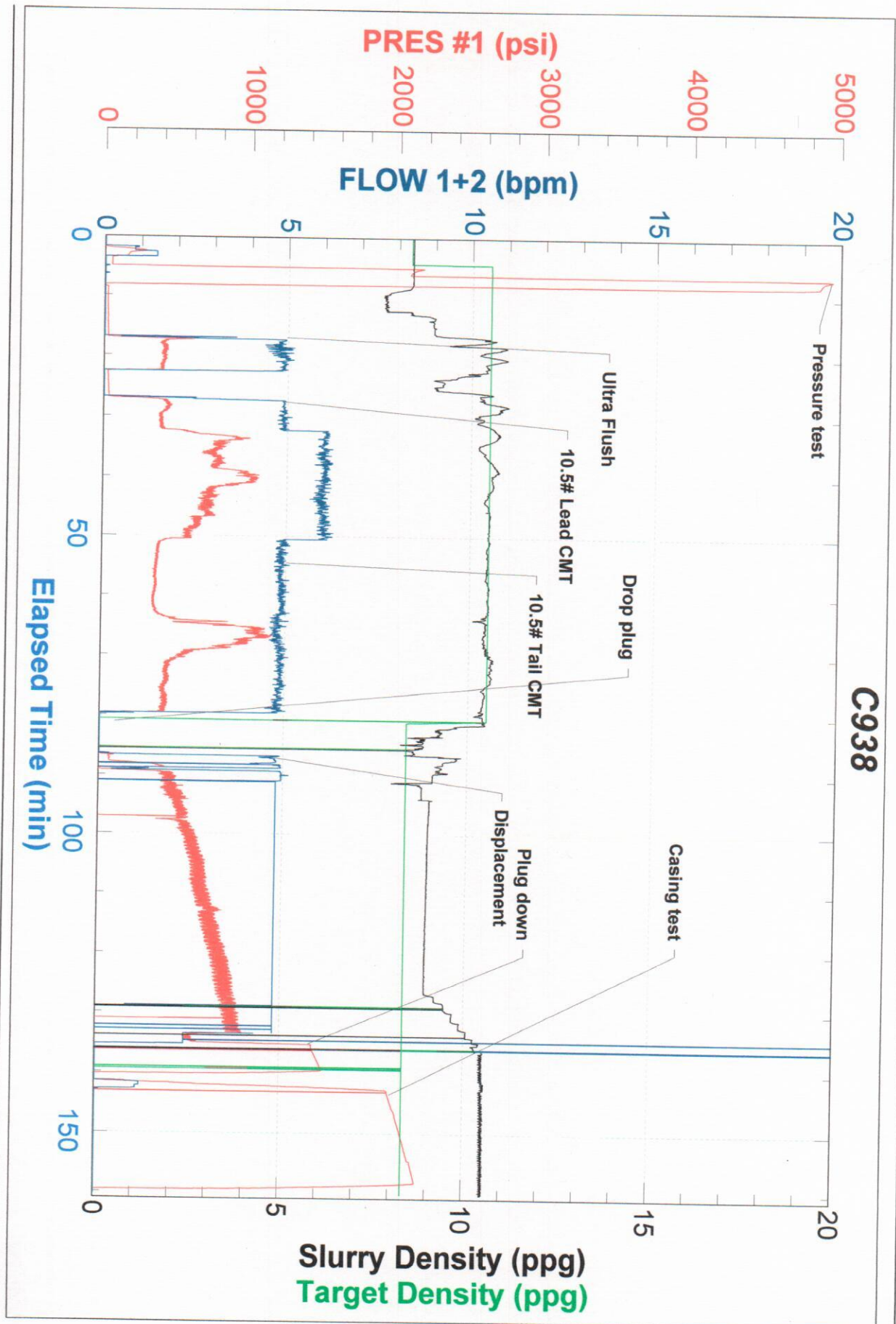


CUSTOMER		WHITING PETROLEUM CORP		CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER 20096998 - 00218070		INVOICE NUMBER	
MAIL		STREET OR BOX NUMBER 1700 BROADWAY STE 2300		CITY DENVER		STATE Colorado		ZIP CODE 80290			
INVOICE TO											
DATE WORK COMPLETED		MO. 12	DAY 26	YEAR 2013	BHI REPRESENTATIVE AARON M MCWILLIAMS	WELL API NO: 05123378390000		WELL TYPE: New Well			
DISTRICT BJS, BRIGHTON						JOB DEPTH(FT) 6.179		WELL CLASS: Gas			
WELL NAME AND NUMBER RAZOR #21C-2805A						TD WELL DEPTH(FT) 6.214		GAS USED ON JOB: No Gas			
WELL LOCATION:		LEGAL DESCRIPTION 21-10N-58W		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	SUB-TOTAL FOR Product Material								108,246.57	65.04%	37,842.42
M100	Personnel Per Diem Chrg - Cement Svc					ea	1	210.000	210.00	0%	210.00
R798	Bulk Materials Blending Charge					cu ft	935	5.450	5,095.75	65%	1,783.51
	Automatic Density System					job	1	1,990.000	1,990.00	65%	696.50
	SUB-TOTAL FOR Service Charges								7,295.75	63.13%	2,690.01
F065A	Cement Pumping, 6001 - 7000 ft					6hrs	1	8,300.000	8,300.00	65%	2,905.00
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	220	11.850	2,607.00	65%	912.45
J391	Mileage, Auto, Pick-Up or Treating Van					miles	220	6.700	1,474.00	65%	515.90
	SUB-TOTAL FOR Equipment								15,341.00	65%	5,369.35
J401	Bulk Delivery, Dry Products					ton-mi	3253	3.940	12,816.82	65%	4,485.89
	SUB-TOTAL FOR Freight/Delivery Charges								12,816.82	65.00%	4,485.89
<p>ARRIVE MO. DAY YEAR TIME</p> <p>LOCATION: 12 26 2013 12:00</p> <p>CUSTOMER REP. Brody Hanson</p> <p>SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS</p> <p>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.</p> <p>CUSTOMER AUTHORIZED AGENT</p> <p>BHI APPROVED</p>											

Report Printed on: December 27, 2013 2:02 AM



Baker Hughes JobMaster Program Version 3.60
Job Number: 10011035145
Customer: Whiting
Well Name: Razor 21C-2805A



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		

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	4942 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
07:00	0	0	0	0	N/A	Yard call	
10:00	0	0	0	0	N/A	Leave yard	
12:00	0	0	0	0	N/A	Arrive on location 110 miles Rig had just started running casing waited 9 hours not charging stand by because we were late on surface job.	
21:30	0	0	0	0	N/A	Spot trucks	
21:40	0	0	0	0	N/A	Pre rig up safety meeting	
22:40	0	0	0	0	N/A	Pre job safety meeting	
23:13	223	0	1.5	2	H2O	Load pumps and lines	
23:16	4942	0	0	0	H2O	Pressure test pumps and lines	
23:30	414	0	4.8	20	H2O	Ultra Flush	
23:36	800	0	6	198	CMT	Batch up and pump 313 sks of (35:65) POZ + G + 0.06 lbs/sack Static Free + 0.1% R-3 + 46.46% LW-6 + 1.2% FL-25 + 0.5% SMS + 5% CSE-2 10.5 ppg 2.64 yield 8.86 gps	
00:16	458	0	4.8	72	CMT	Batch up and pump 95 sks of (35:65) POZ + G + 0.06 lbs/sack Static Free + 54.44 LW-6 + 1.2% FL-25 + 0.5% SMS + 20% Silica Sand + 5% CSE-2 10.5 ppg 3.12 yield 10.49 gps	
00:30	0	0	0	0	N/A	Drop plug	
00:39	1008	0	4.8	220	MUD	Displacement	
01:24	682	0	2.4	7	MUD	Displacement rate change	
01:27	707	0	2.4	227	MUD	Bump plug	
01:27	1508	0	0	0	N/A	Plug down @ 227 bbl's 87bbl's of CMT back	
01:31	0	0	0	0	N/A	Check floats HELD	
01:35	1998	0	0	0	MUD	Casing test	
01:52	0	0	0	0	N/A	Bleed pressure off / 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	1508	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	87	517	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	