

CEMENT JOB REPORT



CUSTOMER WHITING PETROLEUM CORP		DATE 21-NOV-13	F.R. # 10011028858	SERV. SUPV. STEPHEN J CARDOS	
LEASE & WELL NAME RAZOR #21C-2806B - API 05123378400000		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	
Cement Plug, Rubber, Top 7 in		Centralizer, with Pins, 7 in		N/A	
		Float Collar, Auto Fill, 7 - 8rd			
		Float Shoe 7 - 8rd			
MATERIALS FURNISHED BY BJ		LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES	
Ultra Flush II Spacer		N/A		SACKS OF CEMENT	
(35:65) + LW-6 + Adds		C11-065-13		SLURRY WGT PPG	
Fresh Water		N/A		SLURRY YLD FT ³	
(35:65) + LW-6 + Adds		C11-065-13		WATER GPS	
Available Mix Water 500 Bbl.		Available Displ. Fluid 500 Bbl.		PUMP TIME HR:MIN	
				Bbl SLURRY	
				Bbl MIX WATER	
				TOTAL	
				448.88	
				89.84	
HOLE		TBG-CSG-D.P.		COLLAR DEPTHS	
SIZE % EXCESS DEPTH		ID OD WGT. TYPE MD TVD GRADE		SHOE FLOAT STAGE	
8.75 20 6200		6.184 7 29 CSG		6200 5892 L-80	
				6242 6202 0	
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH	
ID OD WGT TYPE MD TVD		BRAND & TYPE DEPTH		TOP BTM	
8.9 9.63 36 CSG		1600 1600 NO PACKER		0 0 0	
				7 8RND	
				WATER BASED	
				10.2	
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	
VOLUME UOM		TYPE WGT. BUMP PLUG TO REV.		OP. MAX	
230.4 BBLs		Fresh Water 8.34 96 0		MAX TBG PSI	
				MAX CSG PSI	
				MIX WATER	
				FRACK TANK	
Circulation Prior to Job					
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>					
Circulation Time: 3 Circulation Rate: 6 BPM					
Mud Density In: 10.2 LBS/G Mud Density Out: 10.2 LBS/GAL					
PV & YP Mud In: 13 PV & YP Mud Out: 13					
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 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: 20 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: 1500 PSI With 10.5 LBS/GAL Mud					
Time Held: 00 Hours 15 Minutes					
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE					

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)

DID NOT HAVE A DRIVER TO GET TRUCK TO LOCATION, PUMP TRUCK BROKE DOWN BEFORE LEAVING YARD

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 type="checkbox"/>		
	PIPE	ANNULUS				TEST LINES	5013 PSI	
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/>	BJ <input type="checkbox"/>
15:30	0	0	0	0	N/A	YARD CALL		
21:30	0	0	0	0	N/A	LEAVE YARD		
00:30	0	0	0	0	N/A	ARRIVE ON LOCATION(CIRCULATING)		
00:45	0	0	0	0	N/A	SPOT TRUCKS		
00:50	0	0	0	0	N/A	PRE RIG UP SAFETY MEETING		
02:50	0	0	0	0	N/A	SAFETY MEETING		
03:35	5013	0	0	0	H2O	PRESSURE TEST		
03:40	229	0	4.8	10	H2O	FRESH WATER SPACER		
03:43	51	0	2.8	20	H2O	ULTRA FLUSH II SPACER		
03:53	26	0	5	157	CMT	BATCH/WEIGH/PUMP 10.5 LB CEMENT		
04:37	74	0	3.5	60	CMT	BATCH/WEIGH/PUMP 10.5 LB CEMENT		
04:53	0	0	0	0	H2O	DOWN/RELEASE PLUG		
05:00	908	0	3.4	229	MUD	DISPLACEMENT		
05:55	2367	0	0	0	MUD	BUMP PLUG		
05:58	1552	0	0	0	H2O	CASING TEST		
06:13	0	0	0	0	H2O	TEST FLOATS / BLEED OFF PRESSURE		
06:14	0	0	0	0	N/A	JOB DONE		

BUMPED
PLUG

☒ Y ☐ N

PSI TO
BUMP
PLUG

23670

TEST
FLOAT
EQUIP.

☒ Y ☐ N

BBL.CMT
RETURNS/
REVERSED

0

TOTAL
BBL.
PUMPED

467

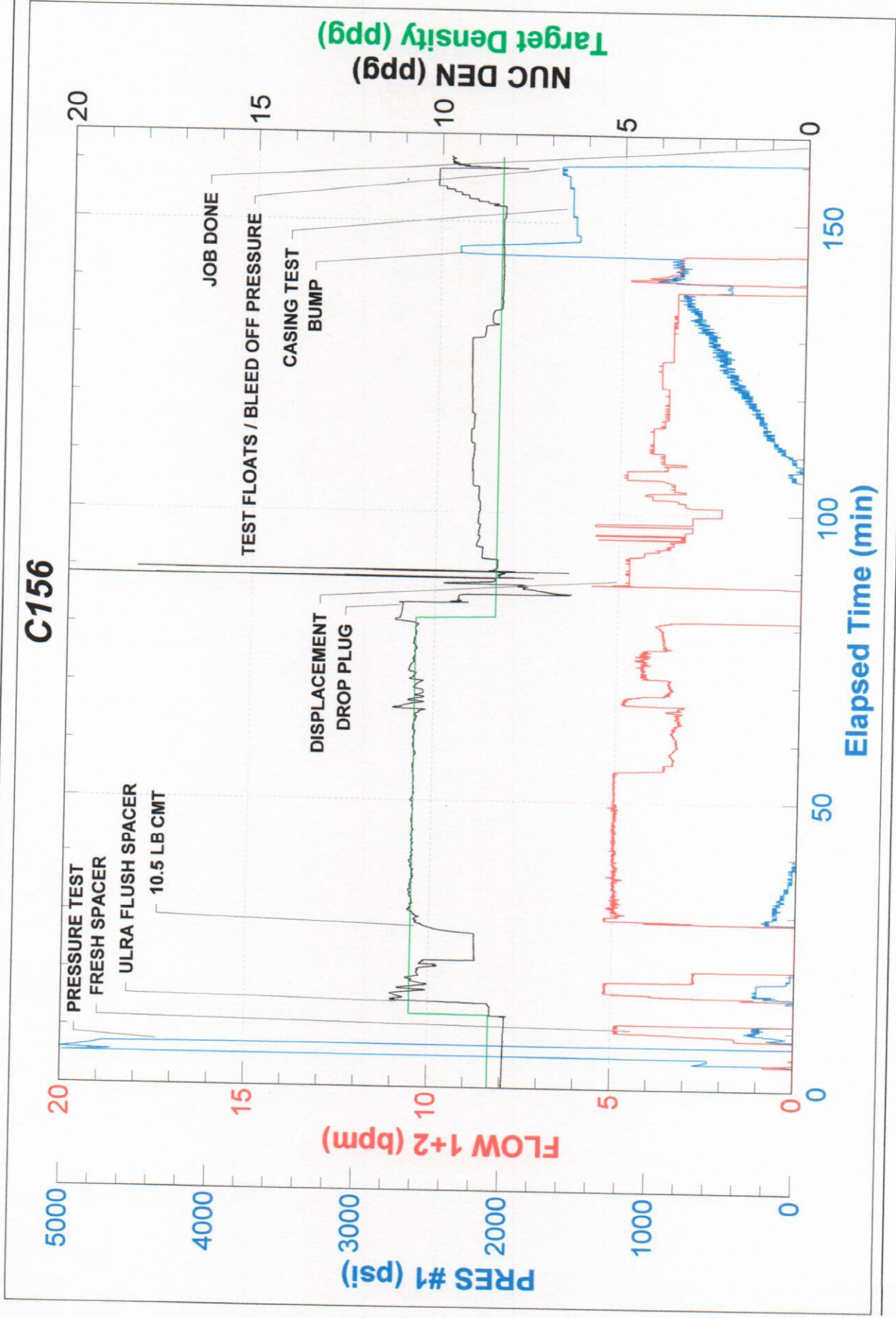
PSI
LEFT ON
CSG

0

SPOT
TOP OUT
CEMENT

☒ Y ☐ N

Service Supervisor Signature:





FIELD RECEIPT NO. 10011028858

CUSTOMER				WHITING PETROLEUM CORP				CREDIT APPROVAL NO.				PURCHASE ORDER NO.				CUSTOMER NUMBER				INVOICE NUMBER			
MAIL INVOICE TO				STREET OR BOX NUMBER				CITY				STATE				ZIP CODE							
				1700 BROADWAY STE 2300				DENVER				Colorado				80290							
DATE WORK COMPLETED		MO. DAY YEAR		BHI REPRESENTATIVE		WELL API NO:		CITY		STATE		ZIP CODE		WELL TYPE :		New Well							
11 21 2013		STEPHEN J CARDOS		05123378400000		6,242		Oil		GAS USED ON JOB :		No Gas		JOB TYPE CODE :		Intermediate							
DISTRICT				BJS, BRIGHTON				JOB DEPTH(ft)				TD WELL DEPTH(ft)				WELL CLASS :							
WELL NAME AND NUMBER				RAZOR #21C-2806B				LEGAL DESCRIPTION				COUNTY/PARISH				Weld							
WELL LOCATION :				21-10N-58W																			
PRODUCT CODE		DESCRIPTION		UNIT OF MEASURE		QUANTITY		LIST PRICE UNIT		GROSS AMOUNT		% DISC.		NET AMOUNT									
100021		Class G Cement		sacks		270		31.800		8,586.00		65%		3,005.10									
100112		Calcium Chloride		lbs		400		1.290		516.00		75%		129.00									
100266		Silica Sand, 100 mesh, Sacked		lbs		1758		0.630		1,107.54		65%		387.64									
100275		Sodium Metasilicate		lbs		181		4.100		742.10		65%		259.74									
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		2500		0.630		1,575.00		65%		551.25									
100317		Poz (Fly Ash)		sacks		146		14.200		2,073.20		65%		725.62									
100380		LW-6		lbs		17436		4.380		76,369.68		65%		26,729.39									
100404		Sodium Chloride		lbs		250		0.520		130.00		75%		32.50									
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		433		22.600		9,785.80		65%		3,425.03									
488353		CSE-2		lbs		1802		1.700		3,063.40		65%		1,072.19									
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 :		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.																	
11 22 2013		00:30																					
CUSTOMER REP.		BENJAMIN BETTS		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				BHI APPROVED																			
				X																			



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MAIL INVOICE TO				STREET OR BOX NUMBER				1700 BROADWAY STE 2300				CITY				DENVER				STATE				COLORADO				ZIP CODE				80290							
DATE WORK COMPLETED		MO. 11		DAY 21		YEAR 2013		BHI REPRESENTATIVE				STEPHEN J CARDOS				WELL API NO:				05123378400000				WELL TYPE :				New Well											
DISTRICT				BJS, BRIGHTON				JOB DEPTH(ft)				6,242				WELL CLASS :				Oil				GAS USED ON JOB :				No Gas											
WELL NAME AND NUMBER				RAZOR #21C-2806B				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								110,498.74		65.06%		38,609.98																									
M100		Personnel Per Diem Chrg - Cement Svc		ea		1		210.00		210.00		0%		210.00																									
R798		Bulk Materials Blending Charge		cu ft		1239		5.450		6,752.55		65%		2,363.39																									
		Automatic Density System		job		1		1,990.00		1,990.00		65%		696.50																									
		SUB-TOTAL FOR Service Charges								8,952.55		63.48%		3,269.89																									
F065A		Cement Pumping, 6001 - 7000 ft		6hrs		1		8,300.00		8,300.00		65%		2,905.00																									
J050		Cement Head		job		1		830.00		830.00		65%		290.50																									
J225		Data Acquisition, Cement, Standard		job		1		2,130.00		2,130.00		65%		745.50																									
J390		Mileage, Heavy Vehicle		miles		110		11.850		1,303.50		65%		456.23																									
J391		Mileage, Auto, Pick-Up or Treating Van		miles		110		6.700		737.00		65%		257.95																									
		SUB-TOTAL FOR Equipment								13,300.50		65.00%		4,655.18																									
J401		Bulk Delivery, Dry Products		ton-mi		3371		3.940		13,281.74		65%		4,648.61																									
		SUB-TOTAL FOR Freight/Delivery Charges								13,281.74		65.00%		4,648.61																									
ARRIVE LOCATION :		MO. 11		DAY 22		YEAR 2013		TIME 00:30		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.																									
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11		21	2013	STEPHEN J CARDOS			05123378400000			New Well									
DISTRICT					JOB DEPTH(ft)					WELL CLASS :									
BJS, BRIGHTON					6,242					Oil									
WELL NAME AND NUMBER					TD WELL DEPTH(ft)					GAS USED ON JOB :									
RAZOR #21C-2806B					6,261					No Gas									
WELL LOCATION :					COUNTY/PARISH					JOB TYPE CODE :									
21-10N-58W					Weld					Intermediate									
PRODUCT CODE		DESCRIPTION			UNIT OF MEASURE		QUANTITY		LIST PRICE UNIT		GROSS AMOUNT		% DISC.		NET AMOUNT				
		FIELD ESTIMATE									146,033.53		64.95%		51,183.66				
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11		22	2013	00:30															
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