

CEMENT JOB REPORT



CUSTOMER: WHITING PETROLEUM CORP		DATE: 18-NOV-13	F.R. #: 10011027989	SERV. SUPV. BARLEN M JOYNER	
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 Surface	
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS	
Cement Plug, Rubber, Top 9-5/8 in		Float Collar, AI Flap, 9-5/8 - 8rd		NONE	
		Float Shoe 9-5/8 - 8rd		0 0	
		Cement Basket, Slip On, 9-5/8 in		NONE 0 0	
		Centralizer, with Pins, 9-5/8 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	
Fresh water		0		0 8.34 0 0 00:00 20	
Type III + Adds		0		667 14.5 1.40 6.81 01:30 166.52 108.11	
Fresh water		0		0 8.34 0 0 00:00 118.4	
Fresh Water + Dye		0		0 8.34 0 0 00:00 10	
Available Mix Water 500 Bbl.		Available Displ. Fluid 300 Bbl.		TOTAL 314.92 108.11	
HOLE		TBG-CSG-D.P.		COLLAR DEPTHS	
SIZE % EXCESS DEPTH		ID OD WGT. TYPE MD TVD GRADE		SHOE FLOAT STAGE	
13.5 0 1586		8.921 9.625 36 CSG 1576 1576 J-55		1576 1532 0	
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH	
ID OD WGT. TYPE MD TVD		BRAND & TYPE DEPTH TOP BTM		SIZE THREAD TYPE WGT.	
		NO LINER 0		9.625 8RD WATER BASED 8.4	
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	
VOLUME UOM		TYPE WGT.		CAL. MAX PSI OP. MAX	
118.4 BBLS		Fresh water 8.34		505 0 0	
		BUMP PLUG TO REV.		SQ. PSI MAX TBG PSI	
				RATED Operator	
				MAX CSG PSI MIX WATER	
				2680 1000 RIG TANK	
Circulation Prior to Job					
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>			Circulation Time: 1		
Mud Density In: 8.4 LBS/GAL Mud Density Out: 8.4 LBS/GAL			Circulation Rate: 5 BPM		
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> Units:			PV & YP Mud In: 0		
			PV & YP Mud Out: 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: .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: 10		
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input type="checkbox"/> MANIFOLD <input checked="" type="checkbox"/> NO MANIFOLD			Type: <input checked="" type="checkbox"/> BOW <input type="checkbox"/> RIGID		
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: 1502 PSI With 8.34 LBS/GAL Mud Time Held: 00 Hours 15 Minutes					
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE					

CEMENT JOB REPORT



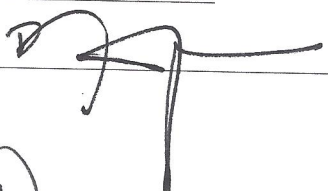
Shoe Test (Update Original Treatment Report for Primary Job)

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)
 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

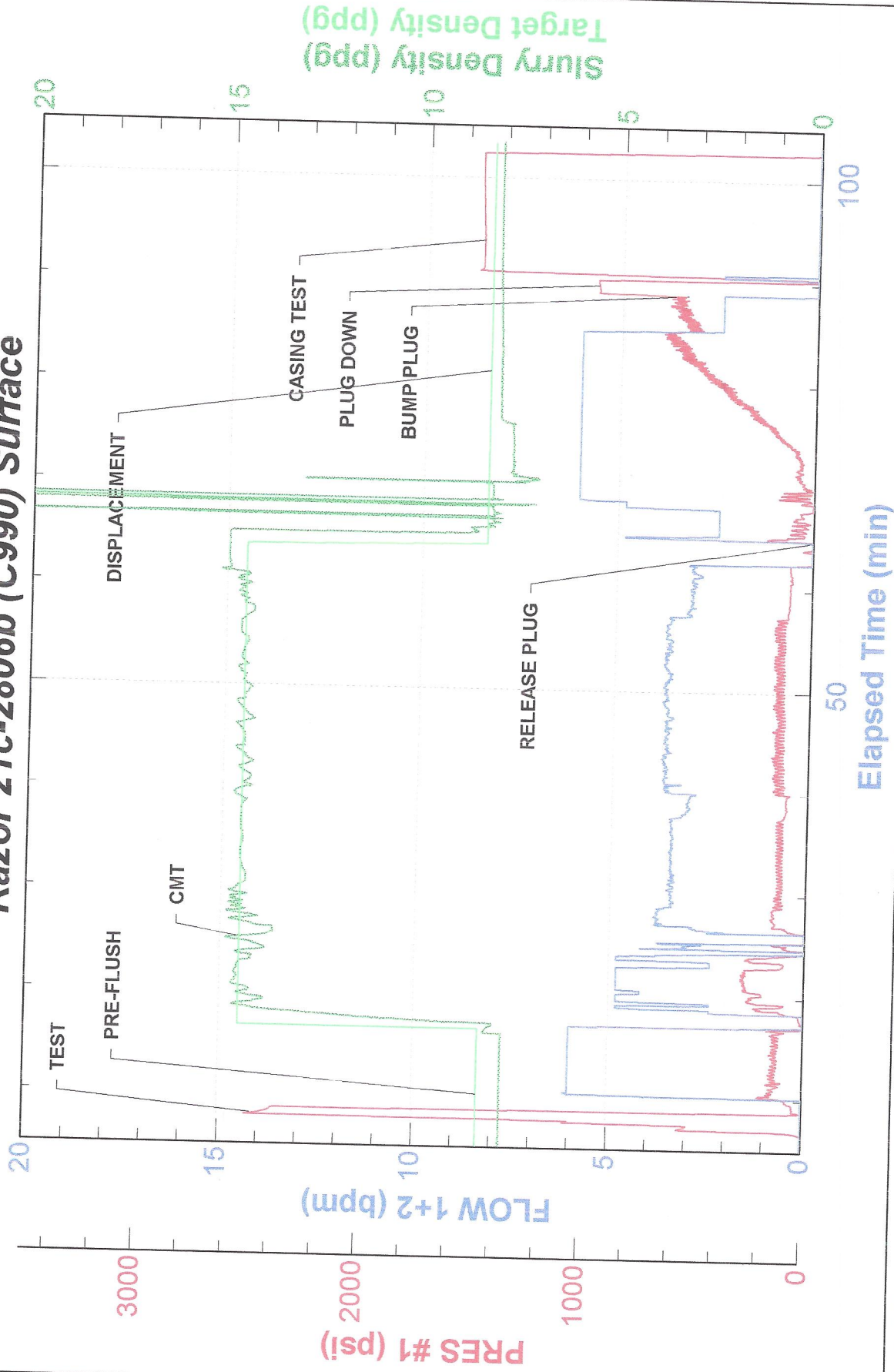
PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	2951 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
04:30	0	0	0	0	N/A	YARD CALL	
09:12	0	0	0	0	N/A	ARRIVE ON LOCATION (115 MILES) CASERS RIGGING UP	
09:30	0	0	0	0	N/A	RIG UP CASERS	
12:35	0	0	0	0	N/A	SPOT TRUCKS	
12:40	0	0	0	0	N/A	PRE-RIG UP SAFETY MEETING	
13:15	0	0	0	0	N/A	RIG DOWN CASERS	
13:30	0	0	0	0	N/A	RIG UP HEAD AND MANIFOLD TO CIRCULATE WELL	
13:45	0	0	0	0	N/A	SAFETY MEETING	
14:05	2951	0	0	0	WATER	PRESSURE TEST	
14:09	133	0	6	20	WATER	FRESH WATER SPACER	
14:13	118	0	6	10	WATER	FRESH WATER + DYE	
14:16	252	0	4.8	158	CMT	BATCH UP, WEIGH AND PUMP 667 SX OF TYPE III + 0.08 LBS/SACK STATIC FREE + 1% CACL2 + 0.25 LBS/SACK CELLO FLAKE @ 14.5 PPG	
15:03	0	0	0	0	N/A	RELEASE PLUG	
15:06	151	0	6	110	WATER	START DISPLACEMENT	
15:24	572	0	2.4	9	WATER	DROP RATE	
15:26	604	0	2.4	119	WATER	BUMP PLUG	
15:26	978	0	0	0	N/A	PLUG DOWN @ 119 BBLs	
15:30	1502	0	0	0	WATER	START CASING TEST	
15:45	1516	0	0	0	N/A	END CASING TEST	
15:48	0	0	0	0	N/A	PRE-RIG DOWN SAFETY MEETING	
16:20	0	0	0	0	N/A	TIME OFF LOCATION	
BUMPED PLUG		PSI TO BUMP PLUG		TEST FLOAT EQUIP.		BBL.CMT RETURNS/ REVERSED	
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N		604		<input checked="" type="checkbox"/> Y <input type="checkbox"/> N		3	
TOTAL BBL. PUMPED		PSI LEFT ON CSG		SPOT TOP OUT CEMENT		Service Supervisor Signature:	
307		0		<input checked="" type="checkbox"/> Y <input type="checkbox"/> N			

(X)





Razor 21c-2806b (C990) Surface





FIELD RECEIPT NO. 10011027989

CUSTOMER WHITING PETROLEUM CORP				CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER 20096998 - 00218070		INVOICE NUMBER	
MAIL INVOICE TO : 1700 BROADWAY STE 2300				CITY DENVER		STATE Colorado		ZIP CODE 80290			
DATE WORK COMPLETED		MO. 11	DAY 18	YEAR 2013	BHI REPRESENTATIVE BARLEN M JOYNER		WELL API NO: 05123378400000		WELL TYPE : New Well		
DISTRICT BJS, BRIGHTON					JOB DEPTH (ft) 1,576		WELL CLASS : Oil				
WELL NAME AND NUMBER RAZOR #21C-2806B					TD WELL DEPTH (ft) 1,586		GAS USED ON JOB : No Gas				
WELL LOCATION :		LEGAL DESCRIPTION 21-10N-58W			COUNTY/PARISH Weld		STATE Colorado		JOB TYPE CODE : Surface		

PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
100112	Calcium Chloride	lbs	✓627	1.290	808.83	65%	283.09
100112	Calcium Chloride	lbs	✓300	1.290	387.00	75%	96.75
100295	Cello Flake	lbs	✓167	5.100	851.70	65%	298.10
100404	Sodium Chloride	lbs	✓100	0.520	52.00	75%	13.00
488019	FP-6L	gals	✓8	104.250	834.00	65%	291.90
499632	Granulated Sugar	lbs	✓100	3.840	384.00	65%	134.40
499680	Static Free	lbs	✓54	40.700	2,197.80	65%	769.23
499703	Type III Cement	sacks	✓667	31.700	21,143.90	65%	7,400.37
SUB-TOTAL FOR Product Material						65.16%	9,286.84
A152	Personnel Per Diem Chrg - Cement Svc	ea	1	210.000	210.00	0%	210.00
M100	Bulk Materials Blending Charge	cu ft	698	5.450	3,804.10	65%	1,331.44
R798	Automatic Density System	job	1	1,990.000	1,990.00	65%	696.50
SUB-TOTAL FOR Service Charges						62.73%	2,237.94

ARRIVE LOCATION :				MO. 11	DAY 18	YEAR 2013	TIME 09:12
CUSTOMER REP. Brady Sharp				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.			
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS				CUSTOMER AUTHORIZED AGENT			
				X			
				BHI APPROVED <i>Luc Hard</i>			
				X			
				CUSTOMER AUTHORIZED AGENT			

SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.



FIELD RECEIPT NO. 10011027989

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													
DATE WORK COMPLETED		MO. 11	DAY 18	YEAR 2013	BHI REPRESENTATIVE BARLEN M JOYNER			WELL API NO: 05123378400000			WELL TYPE: New Well											
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WELL NAME AND NUMBER RAZOR #21C-2808B					TD WELL DEPTH (ft) 1,586			GAS USED ON JOB: No Gas			WELL TYPE: New Well											
WELL LOCATION: 21-10N-58W					STATE Colorado			JOB TYPE CODE: Surface			WELL TYPE: New Well											
PRODUCT CODE		DESCRIPTION			UNIT OF MEASURE			QUANTITY			LIST PRICE UNIT			GROSS AMOUNT			% DISC.			NET AMOUNT		
F055A		Cement Pumping, 1001 - 2000 ft			4hrs			1			4,875.000			4,875.00			65%			1,706.25		
F088		Cement Pumping, Additional hrs			hrs			3			900.000			2,700.00			65%			945.00		
F090		Fuel per pump charge - cement			pump/hr			2			70.250			140.50			65%			49.18		
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			230			11.850			2,725.50			65%			953.93		
J391		Mileage, Auto, Pick-Up or Treating Van			miles			230			6.700			1,541.00			65%			539.35		
J401		Bulk Delivery, Dry Products			ton-mi			3683			3.940			14,511.02			65%			5,078.86		
		SUB-TOTAL FOR Freight/Delivery Charges												14,511.02			65.00%			5,078.86		
		FIELD ESTIMATE												62,116.35			64.85%			21,833.35		
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.									SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.							
CUSTOMER REP.		11	18	2013	09:12	Brady Sharp									CUSTOMER AUTHORIZED AGENT			CUSTOMER AUTHORIZED AGENT				
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS														X			BHI APPROVED			Eric Hall		