

CEMENT JOB REPORT



CUSTOMER ENSIGN UNITED STATES DRILL		DATE 16-JUN-12	F.R. # 1001916568		SERV. SUPV. REESE A ANDERSON	
LEASE & WELL NAME MARGIL 33-34D - API 05123351500000		LOCATION 34-4N-68W		COUNTY-PARISH-BLOCK Weld Colorado		
DISTRICT Brighton		DRILLING CONTRACTOR RIG # ENSIGN 233		TYPE OF JOB Surface		

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
Cement Plug, Rubber, Top 8-5/8 in	Cement Basket, Slip On, 8-5/8 in						
	Centralizer, with Pins, 8-5/8 in						
	Float Collar, Auto Fill, 8-5/8 - 8rd						
	Float Shoe 8-5/8 - 8rd						

MATERIALS FURNISHED BY BJ		LAB REPORT NO.	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	60.50	
Fresh Water + Dye		0	0	8.34	0	0	00:00	10	
Type III + 2% CaCl ₂ + 25% CF		0	365	14.5	1.41	6.82	02:30	91.7	59.26
Available Mix Water 300 Bbl.		Available Displ. Fluid 300 Bbl.		TOTAL				162.20	59.26

HOLE			TBG-CSG-D.P.						COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
12.25	25	990	8.097	8.625	24	CSG	990	990	J-55	997	957	938

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.
						NO PACKER	0			8.625	8 RD	WATER BASED	8.7

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	
59.7	BBLS	Fresh Water	8.34	500	0	0	0	0	4224	100	RIG TANK

Circulation Prior to Job			
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>		Circulation Time: 1	
Mud Density In: 8.7 LBS/GAL		Mud Density Out: 8.7 LBS/GAL	
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>		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: 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 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: 6	
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 checked="" 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: 0 PSI	With 0 LBS/GAL	Mud	Time Held: 00 Hours 00 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

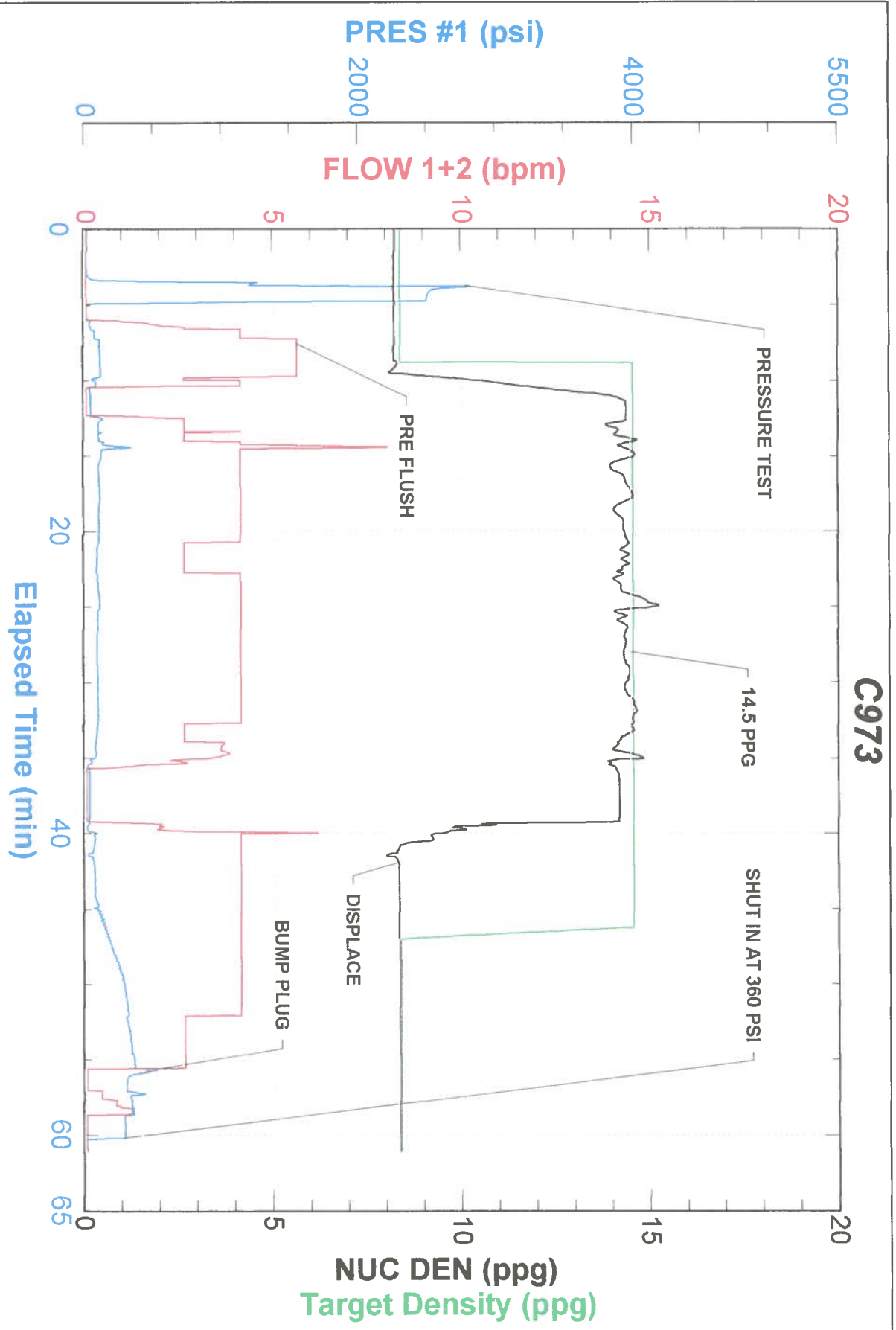
PRESSURE/RATE DETAIL

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	2532 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
05:00	0	0	0	0	NA	YARD CALL	
08:00	0	0	0	0	NA	LEAVE YARD	
08:45	0	0	0	0	NA	ARRIVE ON LOCATION/28 MILES/RUNNING CASING	
09:16	0	0	0	0	NA	SPOT TRUCKS/PRE RIG UP MEETING/RIG UP	
09:50	0	0	0	0	NA	SAFETY MEETING	
10:13	2532	0	0	0	H2O	PRESSURE TEST	
10:16	103	0	5.6	10	H2O	FRESH WATER SPACER	
10:19	96	0	5.6	10	H2O	DYED SPACER	
10:21	97	0	4.1	90	CMT	365 SACKS 14.5 PPG CEMENT	
10:46	0	0	0	0	NA	DROP PLUG	
10:50	286	0	4.1	50	H2O	DISPLACEMENT	
10:57	332	0	2.6	10	H2O	RATE CHANGE	
11:00	512	0	2.6	60	H2O	BUMP PLUG/SHUT IN HEAD WITH 360 PSI	
11:06	0	0	0	0	NA	PRE RIG DOWN MEETING/RIG DOWN	
11:27	0	0	0	0	NA	LEAVE 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	512	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	20	170	360	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<i>Reese Anderson</i>

X
Ephraim Isaac



FIELD RECEIPT NO. 1001916568



CUSTOMER ENSIGN UNITED STATES DRILLING			CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER 20015430 - 20015430		INVOICE NUMBER								
MAIL STREET OR BOX NUMBER 1700 BROADWAY, STE 777 PO BOX 17805			CITY DENVER		STATE Colorado		ZIP CODE 80217										
INVOICE TO :																	
DATE WORK COMPLETED MO. 06 DAY 16 YEAR 2012			BHI REPRESENTATIVE REESE A ANDERSON		WELL API NO. 05123351500000		WELL TYPE : New Well										
DISTRICT BUS, BRIGHTON					JOB DEPTH (ft) 938		WELL CLASS : Gas										
WELL NAME AND NUMBER MARGIL 33-34D			TD WELL DEPTH (ft) 1,007		GAS USED ON JOB : No Gas												
WELL LOCATION : 34-4N-68W			LEGAL DESCRIPTION Weld		COUNTY/PARISH Colorado		STATE Colorado		JOB TYPE CODE : Surface								
PRODUCT CODE			DESCRIPTION			UNIT OF MEASURE		QUANTITY		LIST PRICE UNIT		GROSS AMOUNT		% DISC.		NET AMOUNT	
F053A			Cement Pumping, 0 - 1000 ft			4hrs		1		3,200.000		3,200.00		62%		1,216.00	
F090			Fuel per pump charge - cement			pump/hr		2		70.250		140.50		0%		140.50	
J050			Cement Head			job		1		830.000		830.00		62%		315.40	
J225			Data Acquisition, Cement, Standard			job		1		2,130.000		2,130.00		62%		809.40	
J390			Mileage, Heavy Vehicle			miles		56		11.850		663.60		62%		252.17	
J391			Mileage, Auto, Pick-Up or Trealing Van			miles		56		6.700		375.20		62%		142.58	
			SUB-TOTAL FOR Equipment									7,339.30		60.81%		2,876.05	
J401			Bulk Delivery, Dry Products			ton-mi		494		3.940		1,946.36		62%		739.62	
			SUB-TOTAL FOR Freight/Delivery Charges									1,946.36		62.00%		739.62	
			FIELD ESTIMATE									26,443.04		61.18%		10,265.69	
ARRIVE LOCATION : MO. 06 DAY 16 YEAR 2012 TIME 08:45			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. DON PATTON									CUSTOMER AUTHORIZED AGENT								
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS			CUSTOMER AUTHORIZED AGENT						BHI APPROVED								

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WELL LOCATION :		LEGAL DESCRIPTION 34-4N-68W		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	✓687	1.290	886.23	62%	336.77	
100295	Cello Flake				lbs	✓92	5.100	469.20	62%	178.30	
488019	FP-6L				gals	✓3	104.250	312.75	62%	118.85	
499632	Granulated Sugar				lbs	✓100	3.840	384.00	62%	145.92	
499680	Static Free				lbs	✓30	40.700	1,221.00	62%	463.98	
499703	Type III Cement				sacks	✓365	31.700	11,570.50	62%	4,396.79	
SUB-TOTAL FOR Product Material								14,843.68	62.00%	5,640.61	
A152	Personnel Per Diem Chrg - Cement Svc				ea	1	210.000	210.00	0%	210.00	
M100	Bulk Materials Blending Charge				cu ft	386	5.450	2,103.70	62%	799.41	
SUB-TOTAL FOR Service Charges								2,313.70	56.37%	1,009.41	
ARRIVE LOCATION :		MO. 06	DAY 16	YEAR 2012	TIME 08:45	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. DON PATTON									CUSTOMER AUTHORIZED AGENT		
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS									BHI APPROVED X <i>Scott Oliver</i>		
									CUSTOMER AUTHORIZED AGENT		