

# CEMENT JOB REPORT



<b>CUSTOMER</b> ENSIGN UNITED STATES DRI		<b>DATE</b> 18-JUL-12	<b>F.R. #</b> 1001923533		<b>SERV. SUPV.</b> AARON M MCWILLIAMS	
<b>LEASE &amp; WELL NAME</b> COYLE #31-34D - API 05123354880000		<b>LOCATION</b> 34-4N-68W		<b>COUNTY-PARISH-BLOCK</b> Weld Colorado		
<b>DISTRICT</b> Brighton		<b>DRILLING CONTRACTOR RIG #</b> ENSGN 233		<b>TYPE OF JOB</b> Surface		

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

PHYSICAL SLURRY PROPERTIES									
MATERIALS FURNISHED BY BJ	LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT <sup>3</sup>	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER	
Fresh Water	0	0	8.34	0	0	00:00	40.3		
Fresh Water + Dye	0	0	8.34	0	0	00:00	30		
Type III + 2%CaCl <sub>2</sub> + .25%CF	0	263	14.5	1.41	6.82	02:30	66.13	42.74	
Available Mix Water 400 Bbl.		Available Displ. Fluid 200 Bbl.		TOTAL		136.43		42.74	

HOLE				TBG-CSG-D.P.				COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
12.25	25	684	8.097	8.625	24	CSG	674	674	J-55	674	633	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	TYPE	WGT.
						No packer		0			8.625	8RD	WATER BASED	9

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	
40	BBLS	Fresh Water	8.34	203	0	0	0	0	2360	1000	Rig tank

Circulation Prior to Job			
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>		Circulation Time: 1	
Mud Density In: 9 LBS/GAL		Mud Density Out: 9 LBS/GAL	
PV & YP Mud In: 0		PV & YP Mud Out: 0	
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: 0 BBLS	
Returns During Job: <input type="checkbox"/> NONE <input 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: 6	
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: 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

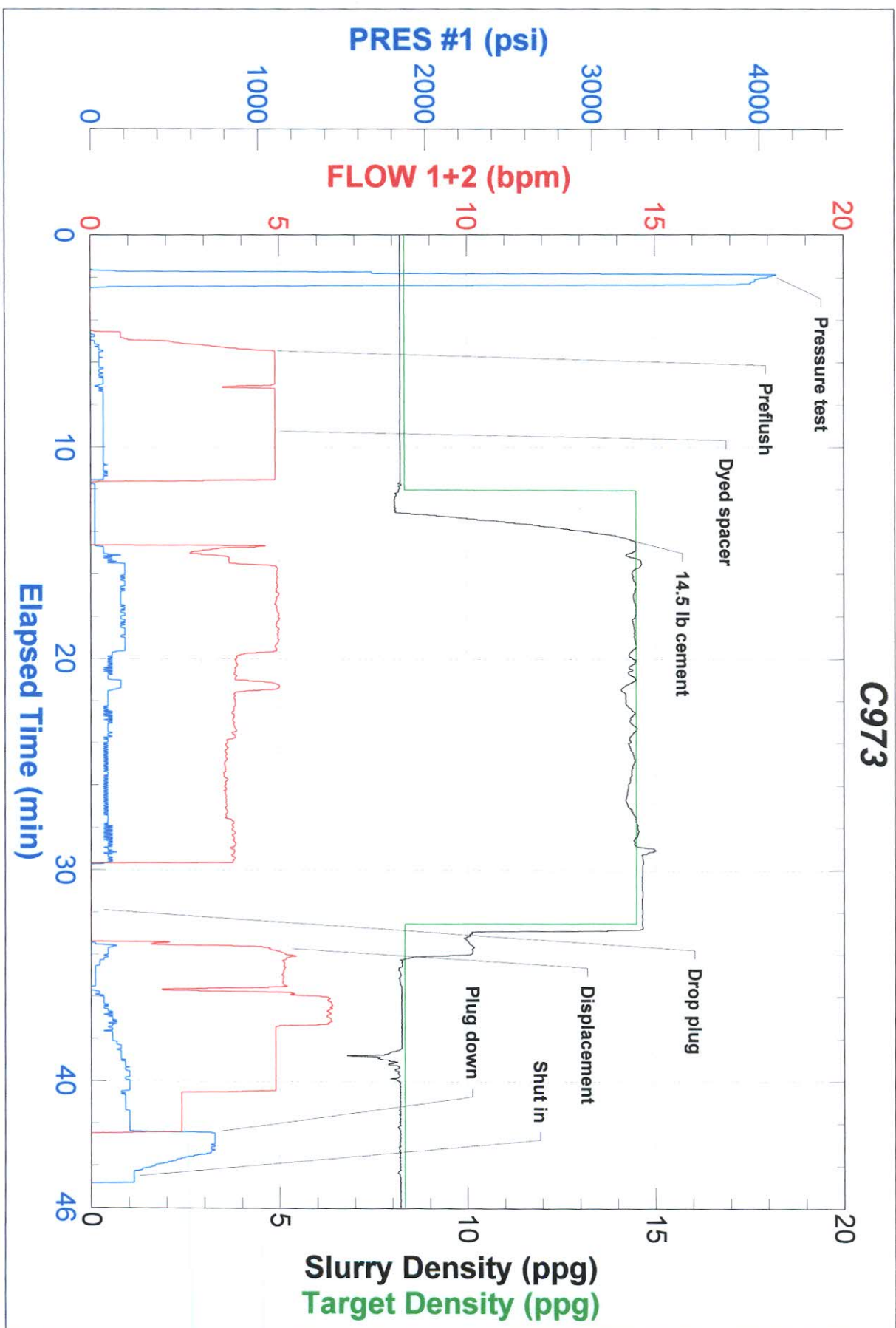
### EXPLANATION

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	4051 PSI
✓						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
06:30	0	0	0	0	N/A	Yard call	
08:40	0	0	0	0	N/A	Leave yard	
09:25	0	0	0	0	N/A	Arrive on location miles rig	
10:30	0	0	0	0	N/A	Spot trucks	
10:35	0	0	0	0	N/A	Rig up safety meeting	
11:20	0	0	0	0	N/A	Pre job safety meeting	
11:40	4051	0	0	0	H2O	Pressure test pumps and lines	
11:45	77	0	4.8	20	H2O	Fresh water preflush	
11:49	77	0	4.8	10	H2O	Dyed spacer	
11:55	180	0	5	62	CMT	Batch up and pump 263 sks of Type III + 2% Cacl2 + 0.15 lbs/sack Cello Flake 14.5 ppg 1.41 yield 6.82 gps	
12:10	0	0	0	0	N/A	Drop plug	
12:15	153	0	6	20	H2O	Displacement	
12:18	230	0	4.8	15	H2O	Rate change	
12:21	230	0	2.4	5	H2O	Rate change	
12:23	280	0	2.4	40	H2O	Bump plug	
12:23	714	0	0	0	N/A	Plug down @ 40 bbl's	
12:25	255	0	0	0	N/A	Shut in	
12:30	0	0	0	0	N/A	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	714	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	10	132	255	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	



BJ Services JobMaster Program Version 3.50  
Job Number: 1001923533  
Customer: Ensign  
Well Name: Coyle #31-34D



FIELD RECEIPT NO. 1001923533



CUSTOMER		ENGIN 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. DAY YEAR 07 18 2012		BHI REPRESENTATIVE AARON M MCWILLIAMS		WELL API NO: 0512335480000		WELL TYPE: New Well			
DISTRICT BJS, BRIGHTON						JOB DEPTH (ft) 633		WELL CLASS: Gas			
WELL NAME AND NUMBER COYLE #31-34D				TD WELL DEPTH (ft) 684		GAS USED ON JOB: No Gas					
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	495	1.290	638.55	62%	242.65
100295	Cello Flake	lbs	66	5.100	336.60	62%	127.91
488019	FP-6L	gals	3	104.250	312.75	62%	118.85
499632	Granulated Sugar	lbs	50	3.840	192.00	62%	72.96
499680	Static Free	lbs	21	40.700	854.70	62%	324.79
499703	Type III Cement	sacks	263	31.700	8,337.10	62%	3,168.10
SUB-TOTAL FOR Product Material					10,671.70	62.00%	4,055.26
A152	Personnel Per Diem Chrg - Cement Svc	ea	1	210.000	210.00	0%	210.00
M100	Bulk Materials Blending Charge	cu ft	278	5.450	1,515.10	62%	575.74
SUB-TOTAL FOR Service Charges					1,725.10	54.45%	785.74

ARRIVE LOCATION: 07 18 2012 09:25		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. Brandon Lorenz				CUSTOMER AUTHORIZED AGENT		CUSTOMER AUTHORIZED AGENT	
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS				CUSTOMER AUTHORIZED AGENT		BHI APPROVED <i>[Signature]</i>	



FIELD RECEIPT NO. 1001923533



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MAIL		STREET OR BOX NUMBER		CITY		STATE		ZIP CODE			
INVOICE TO		1700 BROADWAY, STE 777 PO BOX 17805		DENVER		Colorado		80217			
DATE WORK COMPLETED		MO.	DAY	YEAR	BHI REPRESENTATIVE	WELL API NO:		WELL TYPE :			
07 18 2012		AARON M MCWILLIAMS		05123354880000		New Well					
DISTRICT		BUS, BRIGHTON		JOB DEPTH(ft)		WELL CLASS :		Gas			
WELL NAME AND NUMBER		COYLE #31-34D		TD WELL DEPTH(ft)		GAS USED ON JOB :		No Gas			
WELL LOCATION :		LEGAL DESCRIPTION		COUNTY/PARISH		STATE		JOB TYPE CODE :			
34-4N-68W		Weid		Colorado		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	60	11.850	711.00	62%	270.18				
J391	Mileage, Auto, Pick-Up or Treating Van	miles	60	6.700	402.00	62%	152.76				
SUB-TOTAL FOR Equipment					7,413.50	60.82%	2,904.24				
Bulk Delivery, Dry Products			ton-mi		381	3.940					
SUB-TOTAL FOR Freight/Delivery Charges											
FIELD ESTIMATE											
PC# 241152											
SUB-TOTAL					21,311.44	60.98%	8,315.67				

ARRIVE MO. DAY YEAR TIME  
LOCATION : 07 18 2012 09:25

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Brandon Lorenz  
CUSTOMER AUTHORIZED AGENT

BHI APPROVED