

# CEMENT JOB REPORT



CUSTOMER SYNERGY RESOURCES COR		DATE 20-JUN-12	F.R. # 1001917334	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 Long String	
SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES MD TVD
Latch Down Plug & Assembly, 4-1/2	Float Collar, Auto Fill, 4-1/2 - 8rd				
	Float Shoe 4-1/2 - 8rd				
	Centralizer, with Pins, 4-1/2 in				
MATERIALS FURNISHED BY BJ		LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT <sup>3</sup>
50:50+.4%FL-52+3%Gel+.1%SMS+20%SF+.15%R3		0	160	13.5	1.71
ClayCare Water		0	0	8.34	0
PL+.25#/skCF+.4%FL-52+3%Gel		0	720	12.5	1.89
Fresh Water		0	0	8.34	0
Mud Clean II		0	0	8.34	0
Freshwater		0	0	8.34	0
Available Mix Water 450 Bbl.		Available Displ. Fluid 450 Bbl.	TOTAL		472.2 208.63
HOLE		TBG-CSG-D.P.		COLLAR DEPTHS	
SIZE	% EXCESS	DEPTH	ID	OD	WGT.
7.875	10	7897	4.052	4.5	11.6
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH	
ID	OD	WGT	TYPE	MD	TVD
8.1	8.63	24	CSG	990	990
BRAND & TYPE		DEPTH		TOP	
no packer		0		0	
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.
122.2	BBLs	ClayCare Water	8.34	1577	0
Circulation Prior to Job		Displacement And Mud Removal		Plugs	
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>		Amount Bled Back After Job: 1 BBLs		Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	
Mud Density In: 9.2 LBS/GAL Mud Density Out: 9.2 LBS/GAL		Method Used to Verify Returns: Visual		Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> Units:		Were Returns Planned at Surface: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Top of Plug: 0 FT Bottom of Plug: 0 FT	
Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>		Quantity: 35		Type: <input checked="" type="checkbox"/> BOW <input type="checkbox"/> RIGID	
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL		Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD			
Cement Returns at Surface: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Squeezes (Update Original Treatment Report for Primary Job)			
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROCATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE		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"/>			
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES		Liner Packer: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Bond Log: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	
Was There a Bottom: <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					

# 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

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: 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	4363 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
23:30	0	0	0	0	N/A	Yard Call	
01:50	0	0	0	0	N/A	Leave Yard	
02:35	0	0	0	0	N/A	Arrive on Location	
03:25	0	0	0	0	N/A	Spot Trucks	
03:35	0	0	0	0	N/A	Pre-Rig up Safety Meeting	
04:20	0	0	0	0	N/A	Job Safety Meeting	
04:45	4363	0	0	0	H2O	Pressure Test Pump and Lines	
04:48	476	0	7.3	20	H2O	Preflush Fresh Water	
04:53	501	0	7.3	20	H2O	Preflush Mud Clean II	
04:56	575	0	7.3	20	H2O	Preflush Fresh Water	
05:00	261	0	6.3	245	CMT	Batch up and Pump 12.5# 1.89 Yield 10.37 GPS	
05:50	151	0	5.1	51	CMT	Batch up and Pump 13.5# 1.71 Yield 8.3 GPS	
06:01	0	0	0	0	N/A	Drop Plug	
06:11	126	0	7.3	90	H2O	Displacement	
06:25	1049	0	6	10	H2O	Drop Rate	
06:27	1148	0	4.8	10	H2O	Drop Rate	
06:29	1274	0	3.6	13	H2O	Drop Rate	
06:32	2470	0	0	123	N/A	Bump Plug	
06:35	0	0	0	0	N/A	Check Floats	
06:38	0	0	0	0	N/A	Post Job Safety Meeting	
BUMPED PLUG <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	PSI TO BUMP PLUG 1577	TEST FLOAT EQUIP. <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	BBL CMT RETURNS/ REVERSED 0	TOTAL BBL. PUMPED 479	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT Y <input checked="" type="checkbox"/> N	Service Supervisor Signature: <i>Kelse Anderson</i>

*Don Patton*



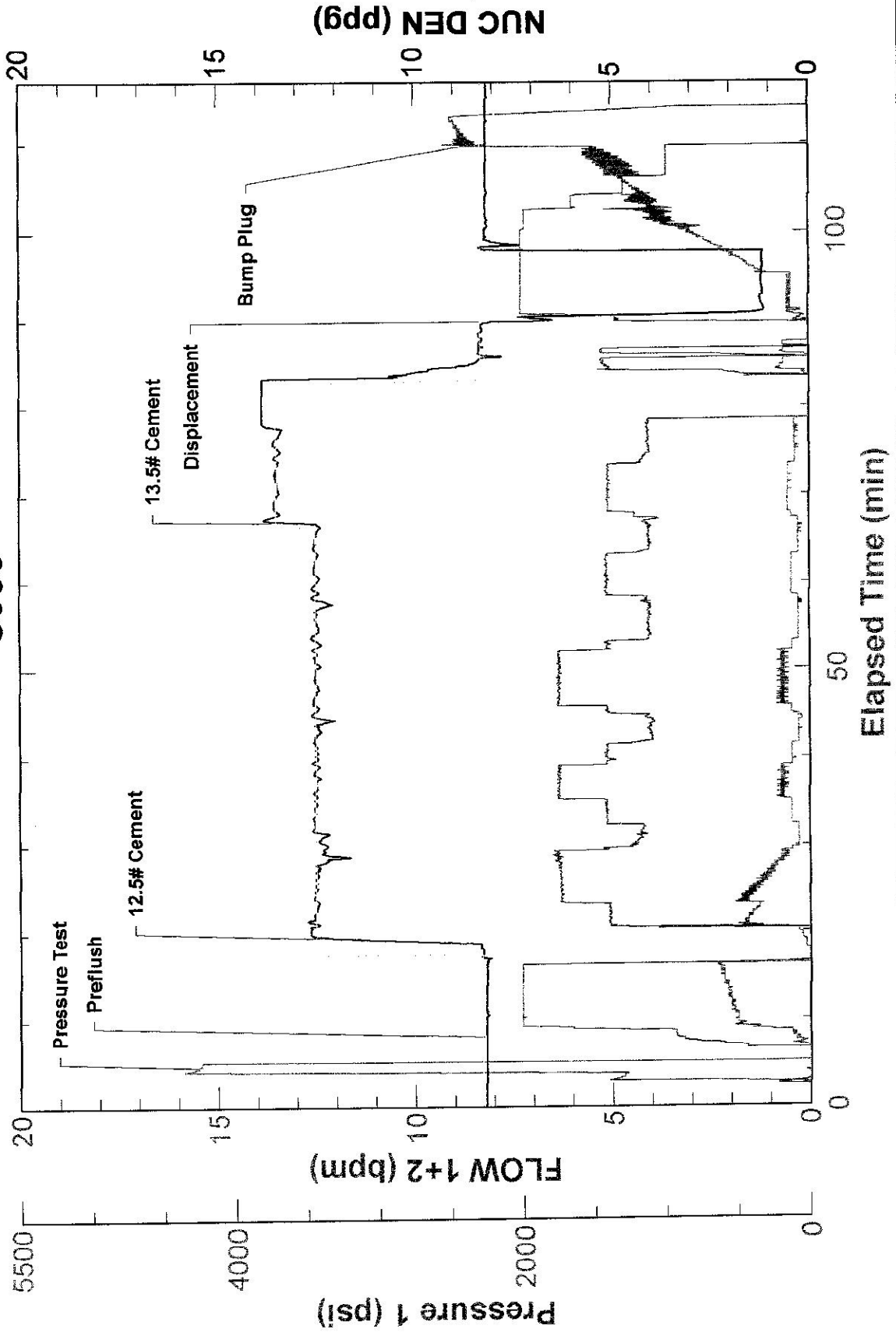
BJ Services JobMaster Program Version 3.50

Job Number: 1001917334

Customer: SYNERGY

Well Name: MARGIL 33-34D

## C956





FIELD RECEIPT NO. 1001917334

CUSTOMER SYNERGY RESOURCES CORP				CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER 0040129120 - 0040129120		INVOICE NUMBER	
MAIL INVOICE TO : STREET OR BOX NUMBER 20203 HWY 60 PO BOX 80651				CITY Platteville		STATE Colorado		ZIP CODE 80651			
DATE WORK COMPLETED 06		MO. DAY 06 20		YEAR 2012		BHI REPRESENTATIVE REESE A ANDERSON		WELL API NO: 05123351500000		WELL TYPE : New Well	
DISTRICT BJS. BRIGHTON		JOB DEPTH (ft) 7,883		JOB DEPTH (ft) 7,883		WELL CLASS : Gas		GAS USED ON JOB : No Gas		JOB TYPE CODE : Long String	
WELL NAME AND NUMBER MARGIL 33-34D		LEGAL DESCRIPTION 34-4N-68W		COUNTY/PARISH Weld		STATE Colorado					
PRODUCT CODE		DESCRIPTION		UNIT OF MEASURE		QUANTITY		LIST PRICE UNIT		% DISC.	
100021		Class G Cement		sacks		J 180		31.800		58%	
100120		Bentonite		lbs		J 2284		0.530		58%	
100121		Silica Flour		lbs		J 2688		0.590		58%	
100275		Sodium Metasilicate		lbs		J 14		4.100		58%	
100283		R-3		lbs		J 21		3.840		58%	
100295		Cello Flake		lbs		J 180		5.100		58%	
100317		Poz (Fly Ash)		sacks		J 80		14.200		58%	
398108		Mud Clean II		gals		J 840		1.700		58%	
398224		Premium Lite Cement		sacks		J 720		27.650		58%	
488015		FL-52		lbs		J 305		26.900		58%	
488019		FP-6L		gals		J 7		104.250		58%	
499702		ClayCare, Clay Treat-2C, 260 g/ tote		gals		J 6		147.000		58%	
		SUB-TOTAL FOR Product Material						38,684.73		58.00%	
										16,247.60	
ARRIVE LOCATION : 06 06 2012 02:35		TIME		YEAR		DAY		MONTH		YEAR	
CUSTOMER REP. Don Patton		BHI REPRESENTATIVE		BHI REPRESENTATIVE		BHI REPRESENTATIVE		BHI REPRESENTATIVE		BHI REPRESENTATIVE	
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS		CUSTOMER AUTHORIZED AGENT		CUSTOMER AUTHORIZED AGENT		CUSTOMER AUTHORIZED AGENT		CUSTOMER AUTHORIZED AGENT		CUSTOMER AUTHORIZED AGENT	
		BHI APPROVED		BHI APPROVED		BHI APPROVED		BHI APPROVED		BHI APPROVED	



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WELL NAME AND NUMBER MARGIL 33-34D				TD WELL DEPTH (ft) 7,897		GAS USED ON JOB : No Gas			
WELL LOCATION : LEGAL DESCRIPTION 34-4N-68W		COUNTY/PARISH Weld		STATE Colorado		JOB TYPE CODE : Long String			
PRODUCT CODE	DESCRIPTION			UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
A152 M100	Personnel Per Diem Chrg - Cement Svc Bulk Materials Blending Charge			ea cu ft	1 983	210.000 5.450	210.00 5,357.35 5,567.35	0% 58% 55.81%	210.00 2,250.09 2,460.09
SUB-TOTAL FOR Service Charges									
F067A	Cement Pumping, 7001 - 8000 ft			6hrs	1	9,525.000	9,525.00	58%	4,000.50
F090	Fuel per pump charge - cement			pump/hr	4	70.250	281.00	0%	281.00
J050	Cement Head			job	1	830.000	830.00	58%	348.60
J225	Data Acquisition, Cement, Standard			job	1	2,130.000	2,130.00	58%	894.60
J390	Mileage, Heavy Vehicle			miles	54	11.850	639.90	58%	268.76
J391	Mileage, Auto, Pick-Up or Treating Van			miles	54	6.700	361.80	58%	151.96
SUB-TOTAL FOR Equipment									
J401	Bulk Delivery, Dry Products			ton-mi	1104	3.940	4,349.76 4,349.76	58% 58.00%	1,826.90 1,826.90
SUB-TOTAL FOR Freight/Delivery Charges									
FIELD ESTIMATE									
62,369.54									
26,480.01									

**ARRIVE** MO. DAY YEAR TIME

**LOCATION :** 06 21 2012 02:35

**CUSTOMER REP.** Don Patton

**SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS**

**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.

*[Signature]*  
CUSTOMER AUTHORIZED AGENT

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

☒ CUSTOMER AUTHORIZED AGENT

☒ BHI APPROVED