

# CEMENT JOB REPORT



CUSTOMER SYNERGY RESOURCES COR		DATE 27-JUL-12	F.R. # 1001925769	SERV. SUPV. BARLEN M JOYNER	
LEASE & WELL NAME COYLE 41-34D - API 05123354830000		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	Centralizer, with Pins, 4-1/2 in						
	Float Collar, Auto Fill, 4-1/2 - 8rd						
	Guide Shoe, Texas-Notched 4-1/2 in						

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
50:50+.4%FL-52+3%Gel+.1%SMS+20%SF+.15%R3	C07-119-12	185	13.5	1.71	8.30	03:00	56.3	36.44
ClayCare Water	0	0	8.34	0	0	00:00	126.72	
PL+.25#/skCF+.4%FL-52+3%Gel	C07-119-12	755	12.5	1.89	10.37	03:00	254	186.37
Fresh Water	0	0	8.34	0	0	00:00	20	
Mud Clean II	0	0	8.34	0	0	00:00	20	
Freshwater	0	0	8.34	0	0	00:00	20	
Available Mix Water 500 Bbl.		Available Displ. Fluid 250 Bbl.		TOTAL		497.02		222.81

HOLE			TBG-CSG-D.P.					COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
7.875	0	7975	4.052	4.5	11.6	CSG	7882	7882	L-80	7878	7860	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.	
8.1	8.63	24	CSG	680	680	No packer		0	0	4.5	8RND	WATER BASED	9.1	

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	
122.1	BBLS	ClayCare Water	8.34	1694.1	0	0	0	0	7780	6224	Rig

### Circulation Prior to Job

Circulated Well: Rig ☒ BJ ☐     
 Circulation Time: 1.5      Circulation Rate: 5 BPM  
 Mud Density In: 9.1 LBS/GAL    Mud Density Out: 9.1 LBS/GAL   
 PV & YP Mud In: 10      PV & YP Mud Out: 10  
 Gas Present: NO ☒ YES ☐    Units:     
 Solids Present at End of Circulation: NO ☒ YES ☐

### Displacement And Mud Removal

Displaced By: Rig ☐ BJ ☒     
 Amount Bled Back After Job: 1.2 BBLS  
 Returns During Job: ☐ NONE ☐ PARTIAL ☒ FULL     
 Method Used to Verify Returns: Visual  
 Cement Returns at Surface: ☐ YES ☒ NO     
 Were Returns Planned at Surface: ☒ NO ☐ YES  
 Pipe Movement: ☐ ROTATION ☐ RECIPROICATION ☒ NONE ☐ UNABLE DUE TO STUCK PIPE  
 Centralizers: ☐ NO ☒ YES     
 Quantity: 35      Type: ☐ BOW ☐ RIGID  
 Job Pumped Through: ☐ CHOKE MANIFOLD ☐ SQUEEZE MANIFOLD ☒ MANIFOLD ☐ NO MANIFOLD

### Plugs

Number of Attempts by BJ: 0      Competition:     
 Wiper Balls Used: ☒ NO ☐ YES      Quantity:     
 Plug Catcher Used: ☒ NO ☐ YES     
 Parabow Used: ☒ NO ☐ YES  
 Was There a Bottom: ☒ NO ☐ YES     
 Top of Plug: 0 FT      Bottom of Plug: 0 FT

### Squeezes (Update Original Treatment Report for Primary Job)

BLOCK SQUEEZE ☐    SHOE SQUEEZE ☐    TOP OF LINER SQUEEZE ☐   
 PLANNED ☐    UNPLANNED ☐  
 Liner Packer: ☒ NO ☐ YES     
 Bond Log: ☒ NO ☐ 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 4342 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
10:50	0	0	0	0	NA	Leave district	
11:45	0	0	0	0	NA	Arrive on location	
12:52	0	0	0	0	NA	Spot trucks	
13:10	0	0	0	0	NA	Safety meeting	
13:45	4342	0	0	0	H2O	Pressure test	
13:47	479	0	7.2	20	H2O	Fresh water spacer	
13:51	501	0	7.2	20	H2O	Mud clean II spacer	
13:54	570	0	7.2	20	H2O	Fresh water spacer	
13:57	0	0	0	0	NA	Shut down and prepare for cmt	
14:00	107	0	6.1	251	CMT	Batch/weigh/pump lead cmt @ 12.5 ppg	
14:43	73	0	4.9	56	CMT	Weigh and pump tail cmt @ 13.5 ppg	
14:56	0	0	0	0	NA	Shut down and wash pumps and lines	
14:56	0	0	0	0	NA	Drop plug	
15:02	43	0	7.2	90	H2O	Displacement	
15:15	1141	0	6	10	H2O	Drop rate	
15:17	1221	0	4.8	10	H2O	Drop rate	
15:19	1413	0	3.6	12	H2O	Drop rate	
15:22	2492	0	3.6	10	H2O	Bump plug	
15:25	0	0	0	0	NA	Bleed off pressure	

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	1694	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	367	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	



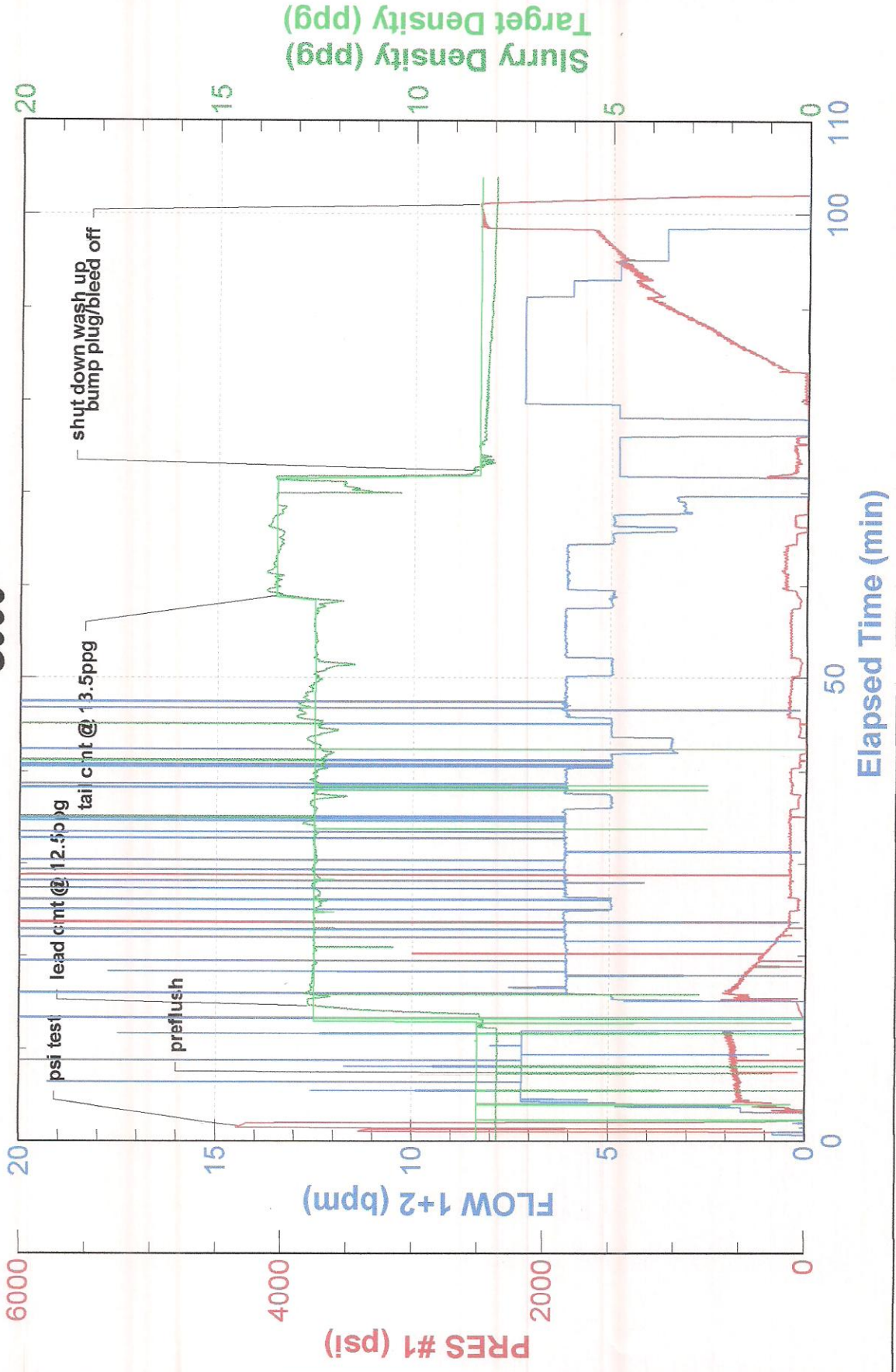
**BJ Services JobMaster Program Version 3.50**

Job Number: 1001925769

Customer: Synergy

Well Name: Coyle 41-34D

**C990**







FIELD RECEIPT NO. 1001925769

CUSTOMER SYNERGY RESOURCES CORP				CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER 0040129120 - 0040129120		INVOICE NUMBER	
MAIL INVOICE TO : 20203 HWY 60 PO BOX 80651				CITY Platteville		STATE Colorado		ZIP CODE 80651			
DATE WORK COMPLETED		MO. 07	DAY 27	YEAR 2012	BHI REPRESENTATIVE BARLEN M JOYNER		WELL API NO: 05123354830000		WELL TYPE : New Well		
DISTRICT BJS, BRIGHTON					JOB DEPTH (ft) 7,878				WELL CLASS : Gas		
WELL NAME AND NUMBER COYLE 41-34D					TD WELL DEPTH (ft) 7,882				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	
100021	Class G Cement				sacks	93	31.800	2,957.40	58%	1,242.11	
100120	Bentonite				lbs	2438	0.530	1,292.14	58%	542.70	
100121	Silica Flour				lbs	3108	0.590	1,833.72	58%	770.16	
100275	Sodium Metasilicate				lbs	16	4.100	65.60	58%	27.55	
100283	R-3				lbs	24	3.840	92.16	58%	38.71	
100295	Cello Flake				lbs	189	5.100	963.90	58%	404.84	
100317	Poz (Fly Ash)				sacks	93	14.200	1,320.60	58%	554.65	
398108	Mud Clean II				gals	840	1.700	1,428.00	58%	599.76	
398224	Premium Lite Cement				sacks	755	27.650	20,875.75	58%	8,767.82	
488015	FL-52				lbs	326	26.900	8,769.40	58%	3,683.15	
488019	FP-6L				gals	8	104.250	834.00	58%	350.28	
499702	ClayCare, Clay Treat-2C, 260 gl tote				gals	6	147.000	882.00	58%	370.44	
SUB-TOTAL FOR Product Material								41,314.67	58.00%	17,352.17	
ARRIVE LOCATION : 07 29 2012 11:45					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.						
CUSTOMER REP. Craig Weitzle					CUSTOMER AUTHORIZED AGENT X						
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS					BHI APPROVED X						





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MAIL INVOICE TO : STREET OR BOX NUMBER 20203 HWY 60 PO BOX 80651				CITY Platteville		STATE Colorado		ZIP CODE 80651				
DATE WORK COMPLETED		MO. 07	DAY 27	YEAR 2012	WELL API NO: 05123354830000		WELL TYPE : New Well					
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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	Personnel Per Diem Chrg - Cement Svc				ea	1	210.000	210.00	0%	210.00		
M100	Bulk Materials Blending Charge				cu ft	1052	5.450	5,733.40	58%	2,408.03		
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	60	11.850	711.00	58%	298.62		
J391	Mileage, Auto, Pick-Up or Treating Van				miles	60	6.700	402.00	58%	168.84		
SUB-TOTAL FOR Equipment												
J401	Bulk Delivery, Dry Products				ton-mi	1312	3.940	5,169.28	58%	2,171.10		
SUB-TOTAL FOR Freight/Delivery Charges												
FIELD ESTIMATE												
66,306.35												
57.57%												
28,133.46												
ARRIVE LOCATION :					MO. 07	DAY 29	YEAR 2012	TIME 11:45	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.			
CUSTOMER REP. Craig Weitzle					<input checked="" type="checkbox"/> CUSTOMER AUTHORIZED AGENT <input type="checkbox"/> BHI APPROVED							
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS					<input checked="" type="checkbox"/> CUSTOMER AUTHORIZED AGENT <input type="checkbox"/> BHI APPROVED							