

# CEMENT JOB REPORT



CUSTOMER PETROLEUM DEVELOPMENT		DATE 15-JAN-14	F.R. # 10011039091	SERV. SUPV. STEVEN S ISCHE	
LEASE & WELL NAME ANDERSON #1 - API 05123053010000		LOCATION 34-7N-66W		COUNTY-PARISH-BLOCK Weld Colorado	
DISTRICT Brighton		DRILLING CONTRACTOR RIG # WO		TYPE OF JOB Plug & Abandon	
SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES MD TVD
NONE	No Shoe	NONE	0	0	NONE 0 0
	NA-P&A				
PHYSICAL SLURRY PROPERTIES					
MATERIALS FURNISHED BY BJ	LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT <sup>3</sup>	WATER GPS
Drilling Mud	N/A	0	10	0	0 00:00
Treated Water	N/A	0	8.3	0	0 00:00
Plug 1	N/A	150	13.5	1.71	8.29
Treated Water	N/A	0	8.3	0	0 00:00
Plug 2	N/A	575	15.8	1.15	4.99 02:09
Drilling Mud	N/A	0	10	0	0 00:00
Treated Water	N/A	0	8.3	0	0 00:00
Plug 3	N/A	698	13.5	1.71	8.29
Drilling Mud	N/A	0	10	0	0 00:00
Treated Water	N/A	0	8.34	0	0 00:00
Class G	N/A	350	15.8	1.15	5.00 02:24
Fresh Water	N/A	0	8.34	0	0 00:00
Available Mix Water	480 Bbl.	Available Displ. Fluid	400 Bbl.	TOTAL	636.50 274.16
HOLE		TBG-CSG-D.P.			COLLAR DEPTHS
SIZE	% EXCESS	DEPTH	ID	OD	WGT.
12	0	7850	10.05	10.75	40 CSG
			2.992	3.5	9.3 TBG
					7850 7850 N-80
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH	TOP CONN
ID	OD	WGT	TYPE	MD	TVD
			BRAND & TYPE	DEPTH	TOP
			NO PACKER	0	
				3.5	8RD
					WATER BASED
					9.9
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.
28.6	BBLs	Drilling Mud	10	0	0
		Drilling Mud	10		
Circulation Prior to Job					
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>			Circulation Time: 1		
Mud Density In: 9.9 LBS/GAL			Mud Density Out: 9.9 LBS/GAL		
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>			Units:		
Solids Present at End of Circulation: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>			PV & YP Mud In: 0		
PV & YP Mud Out: 0			Circulation Rate: 2 BPM		
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			UNABLE DUE TO STUCK PIPE		
Centralizers: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES			Quantity:		
Type: <input 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			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		

# CEMENT JOB REPORT



## 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

## 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

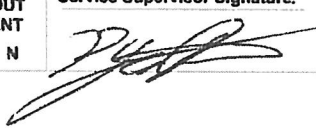
### PRESSURE/RATE DETAIL

### 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	4250 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
09:15	0	0	0	0	N/A	LEAVE YARD	
10:15	0	0	0	0	N/A	ARRIVE ON LOCATION	
10:25	0	0	0	0	N/A	SPOT TRUCKS AND PRE RIG UP SAFTY MEETING	
14:45	0	0	0	0	N/A	SAFTY MEETING WITH CREW	
15:01	302	0	1.7	2	H2O	LOAD LINES	
15:05	4292	0	0	0	H2O	PRESSURE TEST	
15:07	529	0	3.5	15	H2O	FRESH WATER SPACER WITH CLAY CARE	
15:16	681	0	3.5	45	CEMENT	BATCH UP, WHEIGH AND SEND 13.5# PLUG	
15:39	125	0	3.5	50	WATER B/	DISPLACEMENT	
15:55	251	0	2.7	8	WATER B/	DISPLACEMENT	
16:00	0	0	0	0	N/A	SHUT DOWN	
19:00	0	0	0	0	N/A	SAFTY MEETING	
20:23	3000	0	0	0	H2O	TRY AND ESTABLISH CIRCULATION	
21:00	5126	0	0	0	H2O	PRESSURE TEST	
21:03	4000	0	0	0	H2O	PRESSURE UP TO TRY AND ESTABLISH CIRCULATION	
21:06	0	0	0	0	N/A	SHUT DOWN	
03:43	706	0	3	25	H2O	FRESH WATER SPACER WITH CLAY CARE	
03:55	681	0	3.5	113	CEMENT	15.8# PLUG	
04:38	278	0	3.6	42	WATER B/	DISPLACEMENT	
05:00	0	0	0	0	N/A	SHUT DOWN	
04:20	150	0	2.4	10	H2O	FRESH WATER SPACER WITH CLAY CARE	
16:27	226	0	3.1	200	CEMENT	13.5# PLUG	
17:46	75	0	2.6	23.5	MUD	DISPLACEMENT	
17:53	0	0	0	0	N/A	SHUT DOWN	
21:17	400	0	2.4	10	H2O	FRESH WATER SPACER WITH CLAY CARE	
22:25	124	0	2.4	57	CEMENT	15.8# PLUG	
23:10	0	0	0	0	N/A	Shut down pull TBG	
23:44	124	0	2.4	3	CEMENT	15.8 top out	
23:46	125	0	2.4	1	H2O	DISPLACEMENT	
23:51	0	0	0	0	N/A	SHUT DOWN AND WASH UP	
00:01	0	0	0	0	N/A	RIG DOWN SAFTY MEETING	
01:00	0	0	0	0	N/A	LEAVE LOCATION	

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PRESSURE/RATE DETAIL						EXPLANATION		
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW		CO. REP.
	PIPE	ANNULUS				X	X	
						TEST LINES		4250 PSI
						CIRCULATING WELL - RIG		X BJ
BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	Service Supervisor Signature:		
Y N 0		Y N 5		635	0			



FIELD RECEIPT NO. 10011039091

<b>CUSTOMER</b> PETROLEUM DEVELOPMENT CORP				<b>CREDIT APPROVAL NO.</b>		<b>PURCHASE ORDER NO.</b>		<b>CUSTOMER NUMBER</b> 20000409 - 00259634		<b>INVOICE NUMBER</b>	
<b>MAIL INVOICE TO</b> STREET OR BOX NUMBER PO BOX 26				<b>CITY</b> Bridgeport		<b>STATE</b> West Virginia		<b>ZIP CODE</b> 26330			
<b>DATE WORK COMPLETED</b>		<b>MO.</b> 01	<b>DAY</b> 15	<b>YEAR</b> 2014	<b>BHI REPRESENTATIVE</b> RYAN R STEVENS		<b>WELL API NO:</b> 05123053010000		<b>WELL TYPE :</b> Old Well		
<b>DISTRICT</b> BJS, BRIGHTON					<b>JOB DEPTH(ft)</b> 7,850		<b>WELL CLASS :</b> Gas				
<b>WELL NAME AND NUMBER</b> ANDERSON #1					<b>TD WELL DEPTH(ft)</b> 7,850		<b>GAS USED ON JOB :</b> No Gas				
<b>WELL LOCATION :</b>		<b>LEGAL DESCRIPTION</b> 34-7N-66W			<b>COUNTY/PARISH</b> Weld		<b>STATE</b> Colorado		<b>JOB TYPE CODE :</b> Plug & Abandon		
<b>PRODUCT CODE</b>	<b>DESCRIPTION</b>				<b>UNIT OF MEASURE</b>	<b>QUANTITY</b>	<b>LIST PRICE UNIT</b>	<b>GROSS AMOUNT</b>	<b>% DISC.</b>	<b>NET AMOUNT</b>	
100021	Class G Cement				sacks	1287	31.800	40,926.60	60%	16,370.64	
100112	Calcium Chloride				lbs	700	1.290	903.00	60%	361.20	
100112	Calcium Chloride				lbs	300	1.290	387.00	75%	96.75	
100120	Bentonite				lbs	2137	0.530	1,132.61	60%	453.04	
100121	Silica Flour				lbs	14247	0.590	8,405.73	60%	3,362.29	
100283	R-3				lbs	81	3.840	311.04	60%	124.42	
100295	Cello Flake				lbs	38	5.100	193.80	60%	77.52	
100317	Poz (Fly Ash)				sacks	424	14.200	6,020.80	60%	2,408.32	
100404	Sodium Chloride				lbs	100	0.520	52.00	75%	13.00	
488015	FL-52				lbs	428	26.900	11,513.20	60%	4,605.28	
488019	FP-6L				gals	12	104.250	1,251.00	60%	500.40	
499632	Granulated Sugar				lbs	100	3.840	384.00	60%	153.60	
SUB-TOTAL FOR Product Material								71,480.78	60.09%	28,526.46	
<b>ARRIVE LOCATION :</b>		<b>MO.</b> 01	<b>DAY</b> 15	<b>YEAR</b> 2014	<b>TIME</b> 10:15	<b>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.</b>				<b>SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.</b>	
<b>CUSTOMER REP.</b> TOM LEFOR / Phill Alverado						<b>CUSTOMER AUTHORIZED AGENT</b>				<b>X</b>	
<b>SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS</b>						<b>CUSTOMER AUTHORIZED AGENT</b>				<b>X</b>	



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A152	Personnel Per Diem Chrg - Cement Svc				ea	3	210.000	630.00	0%	630.00	
M100	Bulk Materials Blending Charge				cu ft	2053	5.450	11,188.85	60%	4,475.54	
	SUB-TOTAL FOR Service Charges							11,818.85	56.80%	5,105.54	
F067A	Cement Pumping, 7001 - 8000 ft				6hrs	1	9,525.000	9,525.00	60%	3,810.00	
F088	Cement Pumping, Additional hrs				hrs	31	900.000	27,900.00	60%	11,160.00	
F090	Fuel per pump charge - cement				pump/hr	8	70.250	562.00	0%	562.00	
J225	Data Acquisition, Cement, Standard				job	1	2,130.000	2,130.00	60%	852.00	
J390	Mileage, Heavy Vehicle				miles	88	11.850	1,042.80	60%	417.12	
J391	Mileage, Auto, Pick-Up or Treating Van				miles	88	6.700	589.60	60%	235.84	
	SUB-TOTAL FOR Equipment							41,749.40	59.19%	17,036.96	
J401	Bulk Delivery, Dry Products				ton-mi	3878	3.940	15,279.32	60%	6,111.73	
J404	Bulk Delivery, Return of Unused Mtls				ton-mi	129	3.940	508.26	60%	203.30	
	SUB-TOTAL FOR Freight/Delivery Charges							15,787.58	60.00%	6,315.03	
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										<b>BHI APPROVED</b> X	
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	FIELD ESTIMATE							140,836.61	59.54%	56,983.99		
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