

CEMENT JOB REPORT



CUSTOMER PETROLEUM DEVELOPMENT			DATE 22-MAR-14		F.R. # 10011054496			SERV. SUPV. Anthony J Staples					
LEASE & WELL NAME HARVESTER #31-15 - API 05123242690000			LOCATION 15-6N-66W			COUNTY-PARISH-BLOCK Weld Colorado							
DISTRICT Brighton			DRILLING CONTRACTOR RIG # W/O			TYPE OF JOB Squeeze-Top							
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE			MECHANICAL BARRIERS		MD	TVD	HANGER TYPES		MD	TVD	
		No Shoe											
MATERIALS FURNISHED BY BJ				LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES							
						SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER	
Fresh Water						0	8.34	0	0	03:30	5		
Treated Water						0	8.3	0	0	00:00	10		
G Neat						650	15.8	1.15	5.00	04:00	132.90	77.35	
MudClean I						0	8.34	0	0	00:00	10		
Treated Water						0	8.34	0	0	00:00	10		
Available Mix Water 400		Bbl.		Available Displ. Fluid 400		Bbl.		TOTAL		167.90	77.35		
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE	
12	0	920	1.278	1.66	3.02	TBG	920	920		0	0	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	447	447	No packer	0	0	0	2.375	8RD	WATER BASED	8.4
4.1	4.5	10.5	CSG	920	920			0	0				
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			
1	BBLS			0	0	0	4000	1000	0	0	Truck		
Circulation Prior to Job													
Circulated Well: Rig <input type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 0				Circulation Rate: 0 BPM					
Mud Density In: 0 LBS/GAL				Mud Density Out: 0 LBS/GAL				PV & YP Mud In: 0		PV & YP Mud Out: 0			
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"/>					
Displacement And Mud Removal													
Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>				Amount Bled Back After Job: .1 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 checked="" type="checkbox"/> RECIPROICATION <input type="checkbox"/> NONE <input type="checkbox"/> 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 type="checkbox"/> MANIFOLD <input checked="" 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					
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"/>					
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													

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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	3534 PSI
						CIRCULATING WELL - RIG	<input type="checkbox"/> BJ <input type="checkbox"/>
06:30	0	0	0	0	N/A	Arrive on location, 44 miles	
06:45	0	0	0	0	N/A	Spot Trucks	
06:50	0	0	0	0	N/A	Pre rig up safety meeting & HRA	
07:45	0	0	0	0	N/A	Pre job safety meeting	
07:51	44	0	.3	1	H2O	Load lines	
08:02	3435	0	0	0	H2O	Pressure Test	
08:04	472	0	1.9	10	H2O	Spacer H2O + Clay Care	
08:09	466	0	1.9	10	H2O	Spacer Mud Clean I	
08:14	477	0	1.9	5	H2O	Spacer H2O + Clay Care	
08:19	535	0	1	40	CMT	Batch up, weigh, and pump 15.8 # Class G	
08:54	504	0	1	1	H2O	Displacement	
08:56	0	0	0	0	N/A	Shut Down pulled tubing	
09:07	364	0	1.3	28	CMT	Pumped 15 # cmt	
09:25	302	0	1	1	H2O	Displacement	
09:26	0	0	0	0	N/A	Shut down, wash up	
09:45	0	0	0	0	N/A	Post job safety meeting	
10:30	0	0	0	0	N/A	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:
Y <input checked="" type="checkbox"/> N	0	Y <input checked="" type="checkbox"/> N	5	94.5	0	Y <input checked="" type="checkbox"/> N	



FIELD RECEIPT NO. 10011054496

CUSTOMER PETROLEUM DEVELOPMENT CORP				CREDIT APPROVAL NO.	PURCHASE ORDER NO.	CUSTOMER NUMBER 20000409 - 00259634	INVOICE NUMBER		
MAIL INVOICE TO		STREET OR BOX NUMBER PO BOX 26		CITY Bridgeport		STATE West Virginia	ZIP CODE 26330		
DATE WORK COMPLETED	MO. 03	DAY 22	YEAR 2014	BHI REPRESENTATIVE Anthony J Staples	WELL API NO: 05123242690000	WELL TYPE : Old Well			
DISTRICT BJS, BRIGHTON				JOB DEPTH (ft) 920		WELL CLASS : Gas			
WELL NAME AND NUMBER HARVESTER #31-15				TD WELL DEPTH (ft) 920		GAS USED ON JOB : No Gas			
WELL LOCATION :		LEGAL DESCRIPTION 15-6N-66W		COUNTY/PARISH Weld	STATE Colorado	JOB TYPE CODE : Squeeze-Top			
PRODUCT CODE	DESCRIPTION			UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
100021	Class G Cement			sacks	345				
100112	Calcium Chloride			lbs	300				
100404	Sodium Chloride			lbs	100				
398110	Mud Clean I			gals	420				
488019	FP-6L			gals	3				
499632	Granulated Sugar			lbs	50				
499702	ClayCare, Clay Treat-2C, 260 gl tote			gals	2				
	SUB-TOTAL FOR Product Material								
A152	Personnel Per Diem Chrg - Cement Svc			ea	1				
M100	Bulk Materials Blending Charge			cu ft	661				
	SUB-TOTAL FOR Service Charges								
ARRIVE LOCATION :	MO. 03	DAY 22	YEAR 2014	TIME 06:30	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. Eduardo Chavez					SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS			CUSTOMER AUTHORIZED AGENT X	
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F053A	Cement Pumping, 0 - 1000 ft			4hrs	1				
F090	Fuel per pump charge - cement			pump/hr	4				
J225	Data Acquisition, Cement, Standard			job	1				
J390	Mileage, Heavy Vehicle			miles	88				
J391	Mileage, Auto, Pick-Up or Treating Van			miles	88				
	SUB-TOTAL FOR Equipment								
J401	Bulk Delivery, Dry Products			ton-mi	1357				
J404	Bulk Delivery, Return of Unused Mtls			ton-mi	631				
	SUB-TOTAL FOR Freight/Delivery Charges								
	FIELD ESTIMATE								
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CUSTOMER REP. Eduardo Chavez					CUSTOMER AUTHORIZED AGENT			X	
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS								BHI APPROVED	