

## CEMENT JOB REPORT

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CUSTOMER Petroleum Development Corp 01		DATE 19-NOV-10	F.R. # 1001721747	SERV. SUPV. JOHN R WUDARCZYK	
LEASE & WELL NAME NORRIS #2 - API 05123119670000		LOCATION SEC 16 - 6 N - 65 W		COUNTY-PARISH-BLOCK Weld Colorado	
DISTRICT Brighton		DRILLING CONTRACTOR RIG # W/O		TYPE OF JOB Squeeze-Top	
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		PHYSICAL SLURRY PROPERTIES	
No Shoe		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT <sup>3</sup>	WATER GPS
					PUMP TIME HR:MIN
					Bbl SLURRY
					Bbl MIX WATER
MATERIALS FURNISHED BY BJ					
Mud Clean II		0	8.34	0	00:00
Premium Lite Cement + Addis		245	11	3.22	140.32
Fresh Water		0	8.34	0	1
Clay treat water		0	8.3	0	10
50:50 Poz (G) + additives		185	13.8	1.36	44.94
Fresh water		0	8.3	0	1
Premium Lite Cement + additives		235	11	3.22	134.59
Fresh water		0	8.3	0	1
Premium Lite Cement + additives		235	11	3.22	134.59
Fresh water		0	8.3	0	1
50:50 Poz (G) + additives		271	13.8	1.36	65.77
Fresh water			8.3		1
Available Mix Water 500 Bbl.		Available Displ. Fluid 500 Bbl.		TOTAL 545.22 408.07	
HOLE		TBG-CSG-D.P.			COLLAR DEPTHS
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE
10	0	6221	4.5	11.6	CSG
					6221 N-80
					SHOE 0
					FLOAT 0
					STAGE 0
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH	TOP CONN
SIZE	WGT	TYPE	DEPTH	TOP	BTM
8.625	24	CSG	415	0	0
BRAND & TYPE		NO PACKER		SIZE	THREAD
				2.375	8RND
				FRESH WATER	
				WGT. 8.34	
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.
5.5	BBLS	Fresh water	8.3	0	0
				OP. MAX	MAX TBG PSI
				SQ. PSI	RATED
				Operator	MAX CSG PSI
				RATED	Operator
				0	0
				RIG	
Circulation Prior to Job					
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>			Circulation Time: 4		
Mud Density In: 8.5 LBS/GAL			Circulation Rate: 1.5 BPM		
Mud Density Out: 8.5 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: 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 checked="" 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: 0 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			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					



# CEMENT JOB REPORT



## 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	5172 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
12:00	0	0	0	0	0	PRE RIG UP SAFETY MEETING	
13:00	0	0	0	0	0	PRE JOB MEETING	
13:15	1327	0	0	0	H2O	LOW PRESSURE TEST	
13:16	3616	0	0	0	H2O	HIGH PRESSURE TEST	
13:18	2360	0	1.5	10	H2O	MUD CLEAN SPACER	
13:25	2235	0	1.5	10	H2O	FRESH WATER WITH CLAYTREAT SPACER	
13:32	2640	0	1.6	138	CMT	BATCH UP AND PUMP 245 SKS PREM LITE+4% BENTONITE+.6%SMS+8 LBS/SACK CSE2@ 11#	
15:08	2555	0	1.5	1	H2O	DISPLACE 1BBL FRESH WATER	
15:09	0	0	0	0	0	SHUT DOWN / RIG PULLING TUBING	
15:45	1350	0	0	0	H2O	LOW PRESSURE TEST	
15:46	5172	0	0	0	H2O	HIGH PRESSURE TEST	
15:50	3311	0	1.6	44	CMT	BATCH UP AND PUMP 185 SKS 50/50 POZ/G+.25%R-3+3% BENTONITE+.4% FL-52@13.8#	
16:22	750	0	1.1	1	H2O	DISPLACE 1 BBL	
16:25	0	0	0	0	0	SHUT DOWN / WASH UP / RIG PULLING TUBING	
16:40	3258	0	2.1	131	CMT	BATCH UP AND PUMP 235 SKS PREM LITE+4% BENTONITE+.6% SMS+8 LBS/SACK CSE-2@11#	
17:48	1850	0	1.8	1	H2O	DISPLACE 1 BBL	
17:50	0	0	0	0	0	SHUT DOWN / RIG PULLING TUBING	
18:21	3191	0	2.6	131	CMT	BATCH UP AND PUMP 235 SKS PREM LITE+4% BENTONITE+.6% SMS+8 LBS/SACK CSE-2@11#	
19:14	563	0	1.1	1	H2O	DISPLACE 1 BBL	
19:16	0	0	0	0	0	SHUT DOWN / RIG PULLING TUBING	
19:55	1370	0	2.1	69	CMT	BATCH UP AND PUMP 271 SKS 50/50 POZ/G+.4%FL-52+3% BENTONITE@13.8#	
20:32	650	0	1.1	1	H2O	DISPLACE 1 BBL	
20:34	0	0	0	0	0	SHUT DOWN / JOB COMPLETE	
20:35	0	0	0	0	0	POST JOB RIG DOWN SAFETY MEETING	
BUMPED PLUG Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	PSI TO BUMP PLUG 0	TEST FLOAT EQUIP. Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	BBL.CMT RETURNS/ REVERSED 33	TOTAL BBL. PUMPED 558	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Service Supervisor Signature: 



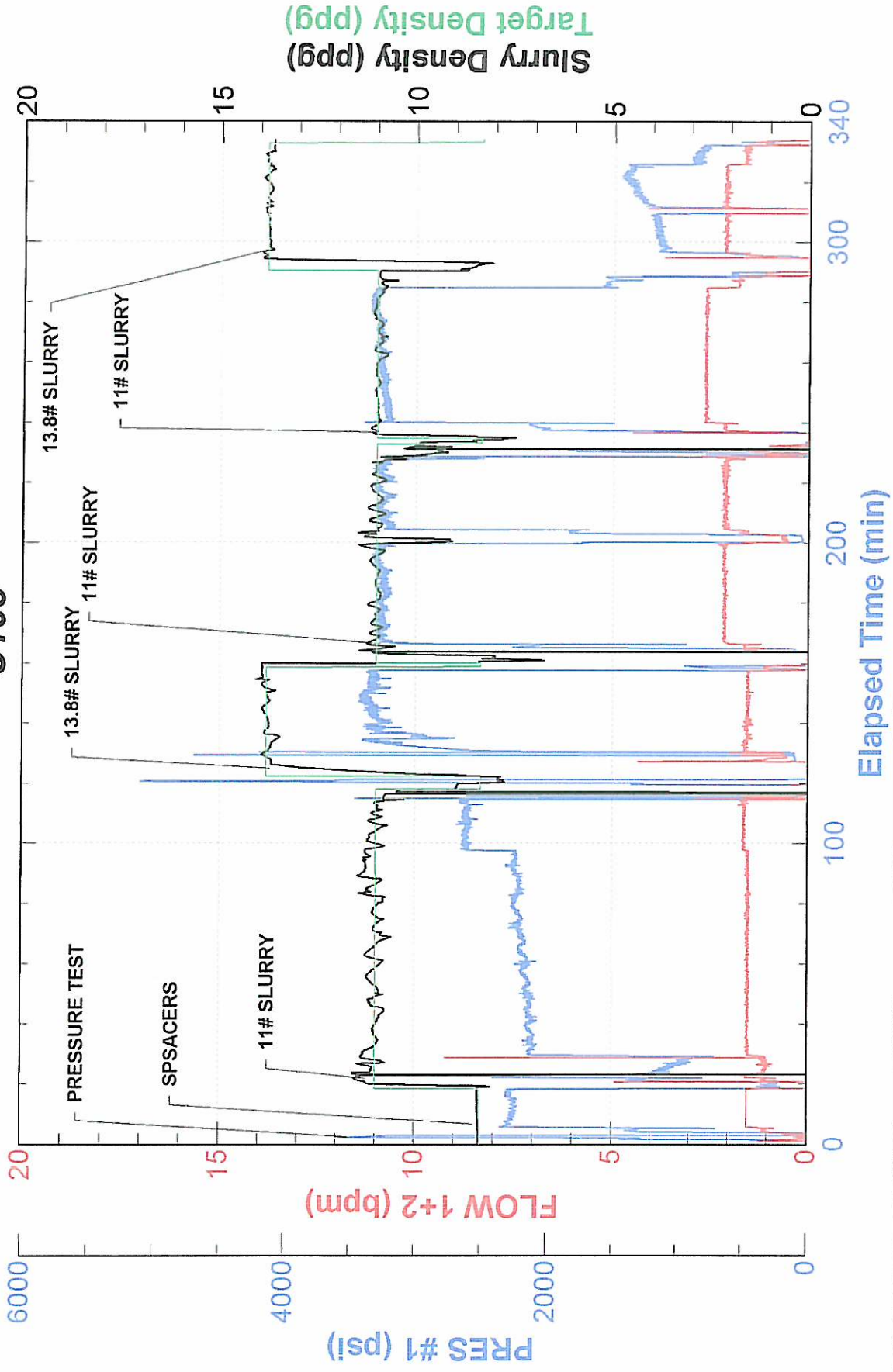
BJ Services JobMaster Program Version 3.50

Job Number: 1001721747

Customer: PDC

Well Name: NORRIS #2

C103





FIELD RECEIPT NO. 1001721747

## BJ Services Company



CUSTOMER Petroleum Development Corp 004				CREDIT APPROVAL NO. A10011297664		PURCHASE ORDER NO.		CUSTOMER NUMBER 20000409 - 00259634		INVOICE NUMBER	
STREET OR BOX NUMBER Box 26				CITY Bridgeport		STATE West Virginia		ZIP CODE 26330			
DATE WORK COMPLETED		MO. 11	DAY 19	YEAR 2010	BJ SERVICES REPRESENTATIVE JOHN R WUDARCZYK		WELL API NO: 05123119670000		WELL TYPE: New Well		
BJ SERVICES DISTRICT Brighton				JOB DEPTH (ft) 6,221		WELL CLASS: Gas					
WELL NAME AND NUMBER NORRIS #2				TD WELL DEPTH (ft) 6,240		GAS USED ON JOB: No Gas					
WELL LOCATION:				LEGAL DESCRIPTION SEC 16 - 6 N - 65 W		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	229	27.000	6,183.00	55%	2,782.35	
100120	Bentonite				lbs	3639	0.470	1,710.33	55%	769.65	
100275	Sodium Metasilicate				lbs	374	3.670	1,372.58	55%	617.66	
100283	R-3				lbs	39	3.290	128.31	55%	57.74	
100317	Poz (Fly Ash)				sacks	229	12.000	2,748.00	55%	1,236.60	
398108	Mud Clean II				gals	420	1.510	634.20	55%	285.39	
398224	Premium Lite Cement				sacks	715	21.850	15,622.75	55%	7,030.24	
488015	FL-52				lbs	155	24.100	3,735.50	55%	1,680.98	
488019	FP-6L				gals	6	93.500	561.00	55%	252.45	
488137	Claytreat 3C				gals	2	130.000	260.00	55%	117.00	
488353	CSE-2				lbs	5720	1.510	8,637.20	55%	3,886.74	
499632	Granulated Sugar				lbs	50	3.290	164.50	55%	74.03	
SUB-TOTAL FOR Product Material								41,757.37	55.00%	18,790.83	
ARRIVE LOCATION:				MO. 11	DAY 19	YEAR 2010	TIME 11:46				
CUSTOMER REP. CHAD SAILORS				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.							
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS				CUSTOMER AUTHORIZED AGENT							
				BJ SERVICES APPROVED X <i>Stephen C. Jones</i>							
				CUSTOMER AUTHORIZED AGENT X							

FIELD RECEIPT NO. 1001721747

## BJ Services Company



CUSTOMER Petroleum Development Corp 004				CREDIT APPROVAL NO. A10011297664		PURCHASE ORDER NO.		CUSTOMER NUMBER 20000409 - 00259634		INVOICE NUMBER	
MAIL STREET OR BOX NUMBER Box 26				CITY Bridgeport		STATE West Virginia		ZIP CODE 26330			
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WELL LOCATION :		LEGAL DESCRIPTION SEC 16 - 6 N - 65 W			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	
A152	Personnel Surcharge - Cement Svc				ea	1	152.000	152.00	0%	152.00	
M100	Bulk Materials Service Charge				cu ft	1361	3.930	5,348.73	55%	2,406.93	
F065A	SUB-TOTAL FOR Service Charges							5,500.73	53.48%	2,558.93	
J225	Cement Pumping, 6001 - 7000 ft				6hrs	1	8,750.000	8,750.00	55%	3,937.50	
J390	Data Acquisition, Cement, Standard				Job	1	1,540.000	1,540.00	55%	693.00	
J391	Mileage, Heavy Vehicle				miles	80	8.550	684.00	55%	307.80	
	Mileage, Auto, Pick-Up or Treating Van				miles	80	4.830	386.40	55%	173.88	
	SUB-TOTAL FOR Equipment							11,360.40	55%	5,112.18	
J401	Bulk Delivery, Dry Products				ton-mi	2213	2.850	6,307.05	55%	2,838.17	
	SUB-TOTAL FOR Freight/Delivery Charges							6,307.05	55.00%	2,838.17	
	FIELD ESTIMATE							64,925.55	54.87%	29,300.11	
ARRIVE LOCATION : 11 19 2010 11:46					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 AUTHORIZED BY SIGNING AND SIGN THIS ORDER.						
CUSTOMER REP. CHAD SAILORS					<input checked="" type="checkbox"/> CUSTOMER AUTHORIZED AGENT <input checked="" type="checkbox"/> BJ SERVICES APPROVED						
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS					20083 CUSTOMER AUTHORIZED AGENT BJ SERVICES APPROVED						