

CEMENT JOB REPORT



CUSTOMER Petroleum Development Corpor		DATE 11-AUG-06		F.R. # 225130945		SERV. SUPV. NATHANIEL J WINDHOLZ	
LEASE & WELL NAME NATIONAL HOG FARM 42-17 - API 0512320267000		LOCATION SEC 17 - 5 N - 63 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			
				SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³	WATER GPS
							PUMP TIME HR:MIN
							Bbl SLURRY
							Bbl MIX WATER
MATERIALS FURNISHED BY BJ							
FRESH WATER				0	8.34	0	0 00:00
Fresh H2O				0	8.34	0	0 00:00
Premium Lite Cement + additives				320	11	3.31	20.43 06:00
Class "G" + Additives				60	15.8	1.15	4.99 02:30
Available Mix Water 250 Bbl.		Available Displ. Fluid 250 Bbl.		TOTAL		228.92 162.77	
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS	
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE
8.5	0	4020	4.5	10.5	CSG	4020	M-75
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH		TOP CONN	
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE	DEPTH	TOP	BTM
8.625	24	CSG	400	NO PACKER	0	0	0
						SIZE	THREAD
						1.25	8RD
						WELL FLUID	
						WATER BASED MU	
						9.4	
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED
8	BBLs	Fresh H2O	8.34	0	0	0	3000
						Operator	MAX CSG PSI
						2500	Operator
						0	0
						FRAK TANK	
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: .6 BBLs			
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL				Method Used to Verify Returns: EYE			
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"/> 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 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 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			
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			
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE							

CEMENT JOB REPORT



Problems Before Job (I.E. Running Casing, Circulating Well, ETC)

N/A

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)

N/A

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)

N/A

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 type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	4000 PSI
						CIRCULATING WELL - RIG	<input type="checkbox"/> BJ <input type="checkbox"/>
08:43	4000	0	0	0	H2O	TEST	
08:45	1860	0	1.9	20	H2O	PRE-FLUSH CT3C	
08:50	400	0	1.1	12	CMT	BATCH UP AND PUMP 60 SKS G + R-3 @ 15.8 PPG	
09:10	1536	0	1.6	8	H2O	DISPLACE	
09:20	0	0	0	0	N/A	PULL PIPE	
09:30	1330	0	1.6	88	CMT	BATCH UP AND PUMP 160 SKS PLC + ADDS @ 11 PPG	
10:20	1300	0	1.6	7	H2O	DISPLACE	
10:30	0	0	0	0	N/A	PULL PIPE	
11:12	1300	0	2.1	108	CMT	BATCH UP AND PUMP 160 SKS PLC + ADDS @ 11 PPG	
12:00	1300	0	2.1	2	H2O	DISPLACE	
BUMPED PLUG		PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT
Y <input type="checkbox"/> N <input checked="" type="checkbox"/> 0			Y <input type="checkbox"/> N <input checked="" type="checkbox"/> 5		237	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>
						Service Supervisor Signature:	

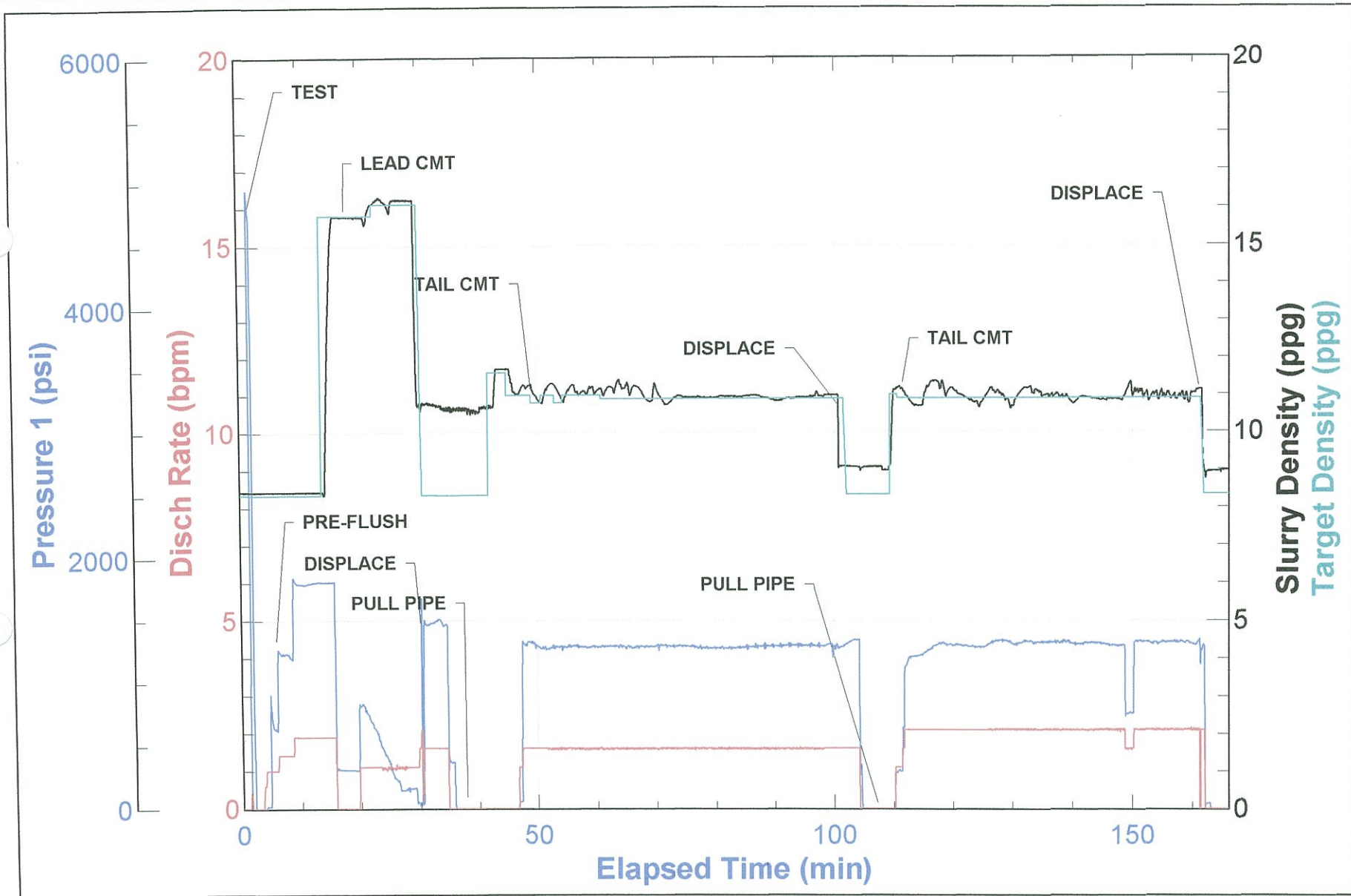


BJ Services JobMaster Program Version 3.10

Job Number: 225130945

Customer: PDC

Well Name: NATIONAL HOG FARM 42-17



BJ Services Company



CUSTOMER (COMPANY NAME) Petroleum Development Corporat				CREDIT APPROVAL NO. A22511000377		PURCHASE ORDER NO.		CUSTOMER NUMBER 20000409 - 00201154		INVOICE NUMBER	
MAIL INVOICE TO :				STREET OR BOX NUMBER 3801 Carson		CITY Evans		STATE Colorado		ZIP CODE 80620	
DATE WORK COMPLETED		MO. 08	DAY 11	YEAR 2006	BJ SERVICES SUPERVISOR NATHANIEL J WINDHOLZ		WELL API NO: 05123202670000		WELL TYPE : Old Well		
BJ SERVICES DISTRICT Brighton					JOB DEPTH (ft) 3,982		WELL CLASS : Gas				
WELL NAME AND NUMBER NATIONAL HOG FARM 42-17					TD WELL DEPTH (ft) 4,020		GAS USED ON JOB : No Gas				
WELL LOCATION :		LEGAL DESCRIPTION SEC 17 - 5 N - 63 W			COUNTY/PARISH Weld		STATE Colorado		JOB TYPE CODE : Squeeze-Top		
PRODUCT CODE	DESCRIPTION				UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	PERCENT DISC.	NET AMOUNT	
100021	Class G Cement				sacks	60	24.450	1,467.00	43%	836.19	
100120	Bentonite				lbs	2784	0.420	1,169.28	43%	666.49	
100275	Sodium Metasilicate				lbs	418	3.320	1,387.76	43%	791.02	
100283	R-3				lbs	6	2.980	17.88	43%	10.19	
398224	Premium Lite Cement				sacks	320	19.800	6,336.00	43%	3,611.52	
488137	Claytreat 3C				gals	1	111.250	111.25		111.25	
488230	CSE				lbs	1600	1.360	2,176.00	43%	1,240.32	
				SUB-TOTAL FOR Product Material				12,665.17	42.62%	7,266.98	
A152	Personnel Surcharge - Cement Svc				ea	1	145.500	145.50	0%	145.50	
M100	Bulk Materials Service Charge				cu ft	482	3.410	1,643.62	43%	936.86	
				SUB-TOTAL FOR Service Charges				1,789.12	39.50%	1,082.36	
ARRIVE LOCATION :		MO. 08	DAY 11	YEAR 2006	TIME 07:20	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. BRUCE KELSCH					CUSTOMER AUTHORIZED AGENT				X CUSTOMER AUTHORIZED AGENT		
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS									X BJ SERVICES APPROVED		