

CEMENT JOB REPORT



CUSTOMER ENCANA OIL & GAS (USA) INC		DATE 02-FEB-13		F.R. # 1001963082		SERV. SUPV. REESE A ANDERSON	
LEASE & WELL NAME BILLINGS #22-18 - API 05123366200000		LOCATION 18-3N-68W		COUNTY-PARISH-BLOCK Weld Colorado			
DISTRICT Brighton		DRILLING CONTRACTOR RIG # ENSIGN 122		TYPE OF JOB Surface			
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD	TVD
Cement Plug, Rubber, Top 8-5/8 in		Alum Baffle Plate, Slip On, 8-5/8					
		Float Shoe 8-5/8 - 8rd					
PHYSICAL SLURRY PROPERTIES							
MATERIALS FURNISHED BY BJ		LAB REPORT NO.		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³	WATER GPS
Fresh Water					8.34		
Fresh Water + Dye					8.34		
Type III + 1.5% CaCl ₂ + 15% CF		0		275	14.5	1.41	6.82
Available Mix Water		400 Bbl.		Available Displ. Fluid		400 Bbl.	
						TOTAL 117.31 44.80	
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS	
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD
12.25	40	640	8.097	8.625	24	CSG	640
							TVD
							640
							GRADE
							J-55
							SHOE
							673
							FLOAT
							633
							STAGE
							630
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH		TOP CONN	
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE	DEPTH
						NO PACKER	0
						TOP	BTM
						8.625	8 RD
						SIZE	THREAD
						8.625	8 RD
						TYPE	WGT.
						WATER BASED	8.7
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
41	BBLS	Fresh Water	8.34	800	0	0	0
						Operator	MAX CSG PSI
						1000	0
						Operator	MIX WATER
							RIG TANK
Circulation Prior to Job							
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1			
Mud Density In: 8.7 LBS/GAL				Mud Density Out: 8.7 LBS/GAL			
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>				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 type="checkbox"/> YES <input checked="" type="checkbox"/> NO				Were Returns Planned at Surface: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES			
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROICATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE							
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES				Quantity: 6			
				Type: <input checked="" 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 <input type="checkbox"/> NO MANIFOLD							
Plugs							
Number of Attempts by BJ: 0				Competition: 0			
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES			
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Parabow Used: <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			

CEMENT JOB REPORT



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

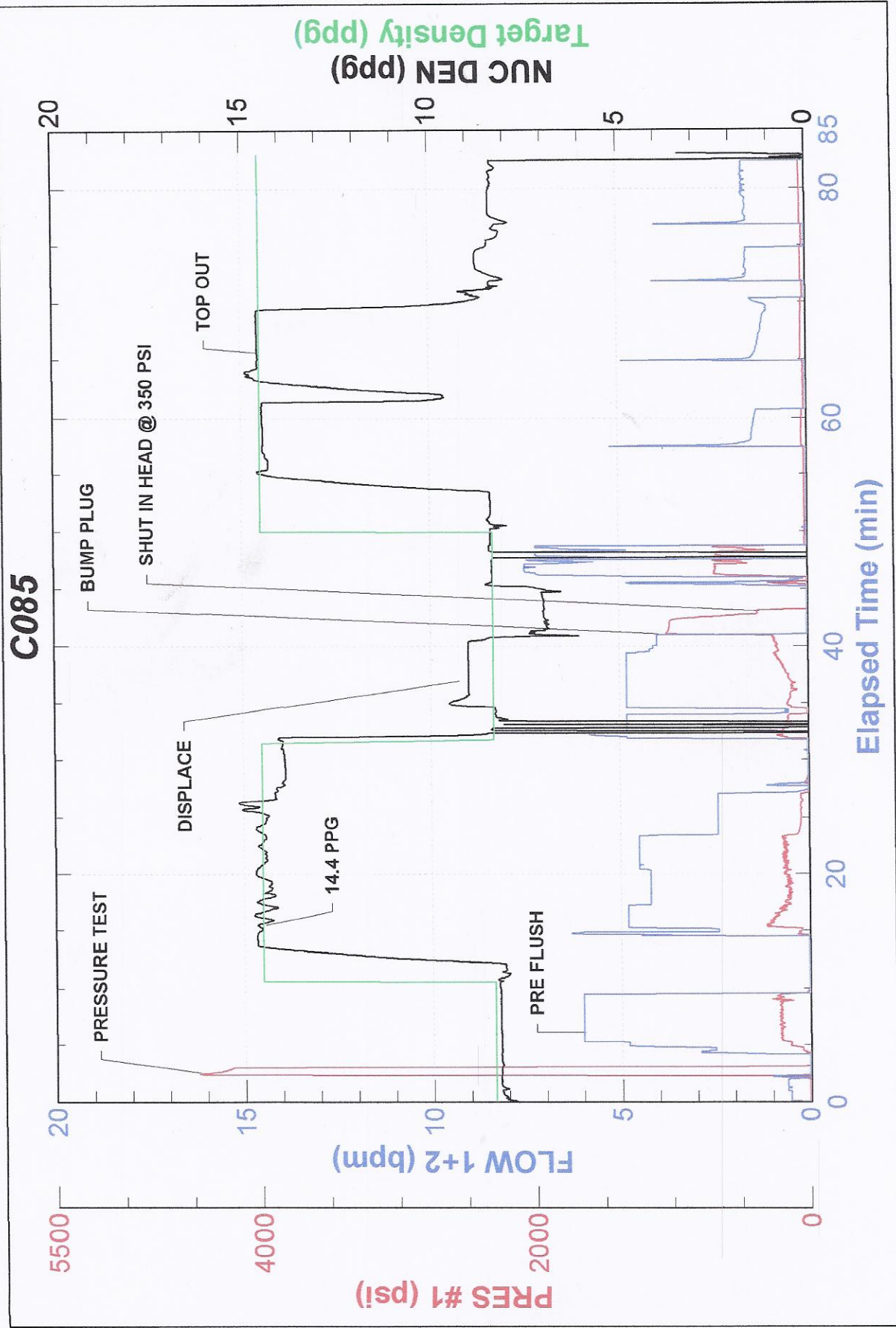
PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
06:30	0	0	0	0	NA	YARD CALL	
07:22	0	0	0	0	NA	LEAVE YARD	
08:01	0	0	0	0	NA	ARRIVE ON LOCATION	
08:08	0	0	0	0	NA	SPOT TRUCKS/PRE RIG UP MEETING/RIG UP	
08:32	0	0	0	0	NA	SAFETY MEETING	
08:59	4246	0	0	0	H2O	PRESSURE TEST	
09:02	211	0	6	20	H2O	FRESH WATER SPACER	
09:05	214	0	6	10	H2O	DYED SPACER	
09:11	187	0	4.8	68	CMT	275 SACKS 14.4 PPG CEMENT	
09:24	0	0	0	0	NA	DROP PLUG	
09:30	283	0	4.8	30	H2O	DISPLACEMENT	
09:36	310	0	4	11	H2O	RATE CHANGE	
09:42	1001	0	4	41	H2O	BUMP PLUG	
09:45	350	0	0	0	NA	SHUT IN HEAD @ 350 PSI	
09:50	0	0	0	0	NA	NO CEMENT RETURNED/CALLED FOR TOP OUT CEMENT	
12:02	0	0	.8	10	CMT	TOP OUT/40 SACKS	
12:30	0	0	0	0	NA	PRE RIG DOWN MEETING/RIG DOWN	

BUMPED PLUG <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	PSI TO BUMP PLUG 1001	TEST FLOAT EQUIP. <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 5	TOTAL BBL. PUMPED 149	PSI LEFT ON CSG 350	SPOT TOP OUT CEMENT <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Service Supervisor Signature: <i>Reese Anderson</i>
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X Wes Harmon



Baker Hughes JobMaster Program Version 3.60
Job Number: 1001963082
Customer: ENCANA
Well Name: BILLINGS 22-18





FIELD RECEIPT NO. 1001963082

CUSTOMER ENCANA OIL & GAS (USA) INC - X		CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER 20023075 - 00201580		INVOICE NUMBER	
MAIL INVOICE TO: STREET OR BOX NUMBER 370 17TH ST, STE 1700 US BANK TOWER		CITY DENVER		STATE Colorado		ZIP CODE 80202			
DATE WORK COMPLETED MO. 02 DAY 02 YEAR 2013		BHI REPRESENTATIVE REESE A ANDERSON		WELL API NO: 05123366200000		WELL TYPE: New Well			
DISTRICT BJS, BRIGHTON				JOB DEPTH (ft) 673		WELL CLASS: Gas			
WELL NAME AND NUMBER BILLINGS #22-18				TD WELL DEPTH (ft) 685		GAS USED ON JOB: No Gas			
WELL LOCATION: LEGAL DESCRIPTION 18-3N-68W		COUNTY/PARISH Weld		STATE Colorado		JOB TYPE CODE: Surface			

PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
100112	Calcium Chloride	lbs	488	1.440	702.72	55%	316.22
100295	Cello Flake	lbs	42	4.570	191.94	55%	86.37
488019	FP-6L	gals	3	93.500	280.50	55%	126.23
499632	Granulated Sugar	lbs	150	3.290	493.50	55%	222.08
499680	Static Free	lbs	22	35.800	787.60	55%	354.42
499703	Type III Cement	sacks	315	26.900	8,473.50	55%	3,813.08
SUB-TOTAL FOR Product Material					10,929.76	55.00%	4,918.40
A152	Personnel Surcharge - Cement Svc	ea	1	152.000	152.00	0%	152.00
M100	Bulk Materials Blending Charge	cu ft	389	3.930	1,528.77	55%	687.95
SUB-TOTAL FOR Service Charges					1,680.77	50.03%	839.95

ARRIVE LOCATION: MO. 02 DAY 02 YEAR 2013 TIME 08:01				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. WES HARRISON				CUSTOMER AUTHORIZED AGENT X			
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS				BHI APPROVED X <i>[Signature]</i>			



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PRODUCT CODE	DESCRIPTION			UNIT OF MEASURE	QUANTITY	PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT		
F003A	Cement Pumping, 0 - 1000 ft			4hrs	1	3,250.00	3,250.00	55%	1,462.50		
F088	Cement Pump Tubing, Additional hrs			hrs	3	895.00	2,685.00	55%	1,208.25		
F090	Fuel per pump charge - cement			pump/hr	6	57.50	345.00	0%	345.00		
J050	Cement Head			job	1	595.00	595.00	55%	267.75		
J225	Data Acquisition, Cement, Standard			job	1	1,540.00	1,540.00	55%	693.00		
J390	Mileage, Heavy Vehicle			miles	90	8.550	769.50	55%	346.28		
J391	Mileage, Auto, Pick-Up or Treating Van			miles	60	4.830	289.80	55%	130.41		
	SUB-TOTAL FOR Equipment						9,474.30	53.00%	4,453.19		
J401	Bulk Delivery, Dry Products			ton-mi	539	2.850	1,536.15	55%	691.27		
	SUB-TOTAL FOR Freight/Delivery Charges						1,536.15	55.00%	691.27		
	FIELD ESTIMATE						23,620.98	53.84%	10,902.81		
<p>1216 4998 8715 4704</p>											
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CUSTOMER REP. WES HARRISON				CUSTOMER AUTHORIZED AGENT <i>[Signature]</i>				CUSTOMER AUTHORIZED AGENT <i>[Signature]</i>			
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS				CUSTOMER AUTHORIZED AGENT <i>[Signature]</i>				BHI APPROVED <i>[Signature]</i>			