

# CEMENT JOB REPORT



CUSTOMER ENCANA OIL & GAS (USA) INC		DATE 05-MAY-13	F.R. # 1001985013	SERV. SUPV. JASON L SJOBERG		
LEASE & WELL NAME BOYD #3-19 - API 05123368600000		LOCATION 19-3N-68W		COUNTY-PARISH-BLOCK Weld Colorado		
DISTRICT Brighton		DRILLING CONTRACTOR RIG # ENSIGN 122		TYPE OF JOB Long String		
SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES MD TVD	
Latch Down Plug & Assembly, 4-1/2	Guide Shoe, Cement Nose, 4-1/2 i	None	0	0	None 0 0	
	Float Collar, Auto Fill, 4-1/2 - 8rd					
	Centralizer, with Pins, 4-1/2 in					
	Cement Basket, Slip On, 4-1/2 in					
PHYSICAL SLURRY PROPERTIES						
MATERIALS FURNISHED BY BJ	LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT <sup>3</sup>	WATER GPS PUMP TIME HR:MIN Bbl SLURRY Bbl MIX WATER	
50:50:3+.6%FL52+.1%SMS+20%SF		260	13.5	1.71	8.30 03:00 79.18 51.23	
ClayCare Water	0	0	8.4	0	0 00:00 115.95	
PLC+.2%CD32+.7%FL52+6%Gel+.2%ASA301+3#/sk		430	12.5	2.00	10.90 03:00 153.16 111.56	
Mud Clean I	0	0	8.34	0	0 00:00 20	
Freshwater	0	0	8.34	0	0 00:00 40	
Surfactant Wash	0	0	8.34	0	0 00:00 20	
Available Mix Water 450 Bbl.	Available Displ. Fluid 450 Bbl.	TOTAL		428.29	162.79	
HOLE		TBG-CSG-D.P.			COLLAR DEPTHS	
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE
7.875	0	7637	4	4.5	11.6	CSG
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH		TOP CONN
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE
8.1	8.63	24	CSG	640	640	No Packer
DISPL. VOLUME		DISPL. FLUID		CAL. PSI		CAL. MAX PSI
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI
115.9	BBLS	ClayCare Water	8.4	1329	0	0
Circulation Prior to Job		Circulation Time: 1		Circulation Rate: 6 BPM		
Mud Density In: 9.6 LBS/GAL		Mud Density Out: 9.6 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 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: 32		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		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
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None						



# 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

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 4716 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
18:00	0	0	0	0	N/A	Yard Call
20:00	0	0	0	0	N/A	Leave Yard
21:00	0	0	0	0	N/A	Arrive on Location
21:10	0	0	0	0	N/A	Spot Trucks
21:17	0	0	0	0	N/A	Pre Rig-up Safety Meeting
22:10	0	0	0	0	N/A	Safety Meeting
22:43	4716	0	0	0	H2O	Pressure Test Pump and Lines
22:50	457	0	4.8	20	H2O	Preflush Mud Clean I
22:55	534	0	4.8	20	H2O	Preflush Surfactant
22:59	578	0	4.8	40	H2O	Preflush Fresh Water
23:10	320	0	4.8	150	CMT	Batch, Weigh, Pump 12.5# PLC+.2%CD32+.7%FL52+6%Gel+.2%ASA301+3#/skCSE2
23:56	185	0	4.8	78	CMT	Pump 13.5# 50:50:3+.6%FL52+.1%SMS+20%SF
00:20	0	0	0	0	N/A	Drop Plug
00:26	83	0	6	50	H2O	Displacement
00:35	135	0	4.8	57	H2O	Drop Rate
00:47	1250	0	3.6	12	H2O	Drop Rate
00:54	1574	0	3.6	119	H2O	Bump Plug
00:56	2111	0	0	0	N/A	Check Floats
00:59	0	0	0	0	N/A	Post Job Safety Meeting

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:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1574	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	450	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

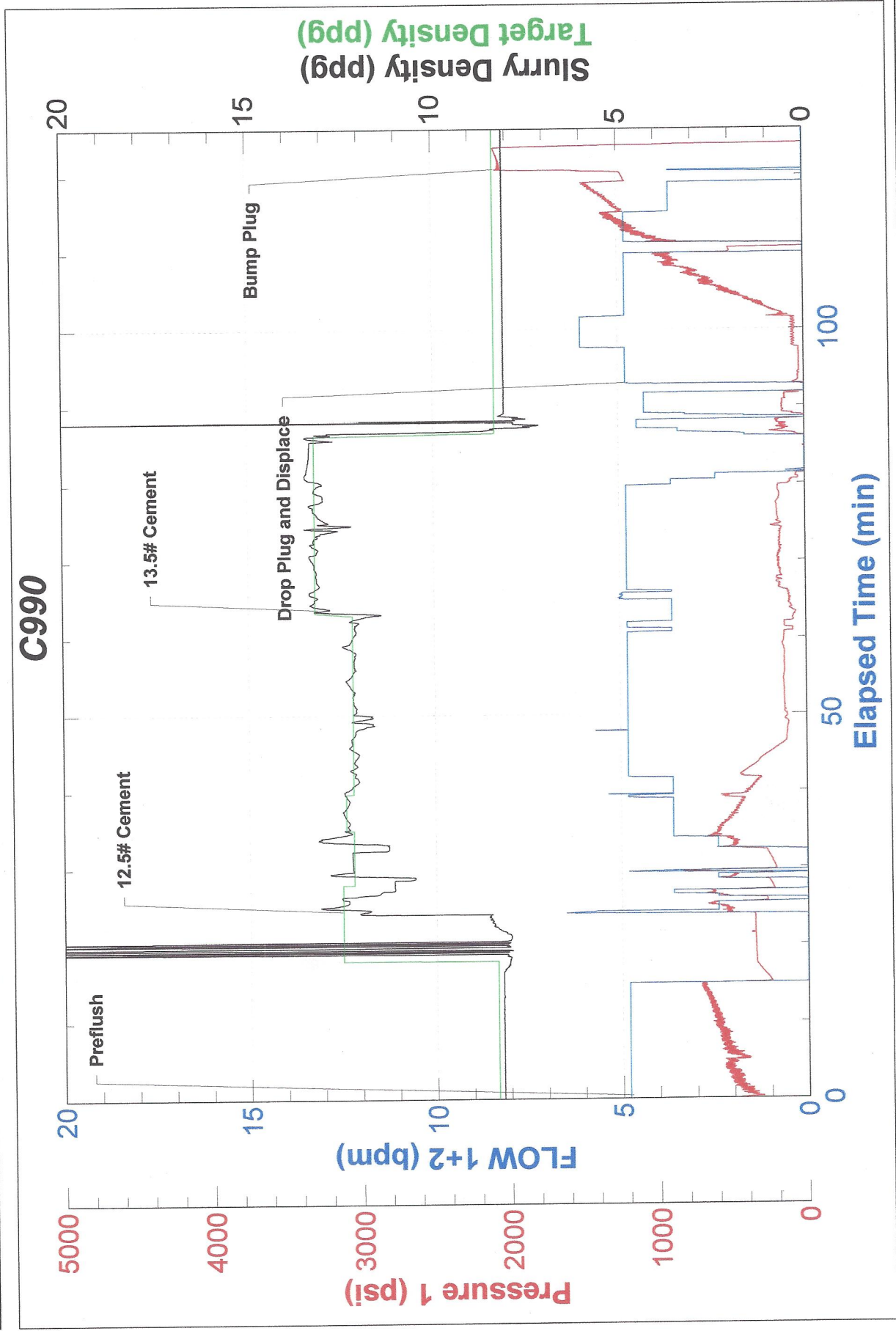


**Baker Hughes JobMaster Program Version 3.60**

Job Number: 1001985013

Customer: Encana

Well Name: Boyd 3-19





FIELD RECEIPT NO. 1001985013



CUSTOMER (COMPANY NAME) ENCANA OIL & GAS (USA) INC - XML				CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER 0040055117 - 0040056		INVOICE NUMBER	
MAIL INVOICE TO 370 17TH ST, STE 1700 US BANK TOWER				CITY DENVER		STATE Colorado		ZIP CODE 80202			
DATE WORK COMPLETED		MO. 05	DAY 05	YEAR 2013	WELL API NO 05123368600000		WELL TYPE : New Well				
DISTRICT BJS, BRIGHTON					JOB DEPTH (ft) 7,613		WELL CLASS : Gas				
WELL NAME AND NUMBER BOYD #3-19					TD WELL DEPTH (ft) 7,637		GAS USED ON JOB : No Gas				
WELL		LEGAL DESCRIPTION 19-3N-68W			COUNTY/PARISH Weld		STATE Colorado		JOB TYPE CODE : Long String		

PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
100021	Class G Cement	sacks	130	27.000	3,510.00	65%	1,228.50
100120	Bentonite	lbs	2900	0.470	1,363.00	65%	477.05
100121	Silica Flour	lbs	4368	0.500	2,184.00	65%	764.40
100275	Sodium Metasilicate	lbs	22	3.670	80.74	65%	28.26
100317	Poz (Fly Ash)	sacks	130	12.000	1,560.00	65%	546.00
398110	Mud Clean I	gals	840	1.510	1,268.40	65%	443.94
398224	Premium Lite Cement	sacks	430	21.850	9,395.50	65%	3,288.43
488013	CD-32	lbs	75	11.900	892.50	65%	312.38
488015	FL-52	lbs	393	24.100	9,471.30	65%	3,314.96
488019	FP-6L	gals	7	93.500	654.50	65%	229.08
488353	CSE-2	lbs	1290	1.510	1,947.90	65%	681.77
488555	GasFlo G2, tote	gals	2	118.000	236.00	65%	82.60
488584	NE-945, tote	gals	1	135.000	135.00	65%	47.25
499702	ClayCare, Clay Treat-2C, 260 gl tote	gals	5	90.000	450.00	65%	157.50
499705	ASA-301	lbs	75	18.150	1,361.25	65%	476.44
499789	FAW-4	gals	2	115.000	230.00	65%	80.50
SUB-TOTAL FOR Product Material					34,740.09	65.00%	12,159.06
A152	Personnel Surcharge - Cement Svc	ea	1	152.000	152.00	0%	152.00
M100	Bulk Materials Blending Charge	cu ft	859	3.930	3,375.87	65%	1,181.55

ARRIVE MO. 05 DAY 05 YEAR 2013 TIME 21:00

LOCATION :

CUSTOMER REP.  
Carl Rayas

SEE NEXT PAGES FOR GENERAL TERMS AND CONDITIONS

SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH THE TERMS AND CONDITIONS PRINTED ON THE FOLLOWING PAGES OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER.

CUSTOMER AUTHORIZED AGENT

APPROVED

SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.

CUSTOMER AUTHORIZED AGENT

APPROVED

FIELD RECEIPT NO. 1001985013



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WELL		LEGAL DESCRIPTION 19-3N-68W			COUNTY/PARISH Weld		STATE Colorado		JOB TYPE CODE : Long String		

PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
SUB-TOTAL FOR Service Charges							
F017A	Cement Pumping, 7001 - 8000 ft	6hrs	1	8,550.000	3,527.87	62.20%	1,333.55
F090	Fuel per pump charge - cement	pump/hr	4	57.500	230.00	65%	2,992.50
J050	Cement Head	job	1	595.000	595.00	0%	230.00
J225	Data Acquisition, Cement, Standard	job	1	1,540.000	1,540.00	65%	208.25
J390	Mileage, Heavy Vehicle	miles	70	8.550	598.50	65%	539.00
J391	Mileage, Auto, Pick-Up or Treating Van	miles	70	4.830	338.10	65%	209.48
SUB-TOTAL FOR Equipment							4,297.57
SUB-TOTAL FOR Freight/Delivery Charges							11,851.60
J401	Bulk Delivery, Dry Products	ton-mi	1200	2.850	3,420.00	65%	1,197.00
SUB-TOTAL FOR Freight/Delivery Charges							3,420.00
FIELD ESTIMATE							53,539.56
							18,987.18

*AF# 13172324*  
*QDE 8715.618*  
*5/6/13*

ARRIVE LOCATION : MO. 05 DAY 05 YEAR 2013 TIME 21:00	SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH THE TERMS AND CONDITIONS PRINTED ON THE FOLLOWING PAGES 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. Carl Rayas	<input checked="" type="checkbox"/> CUSTOMER AUTHORIZED AGENT <input checked="" type="checkbox"/> BHI APPROVED		<input checked="" type="checkbox"/> CUSTOMER AUTHORIZED AGENT <input checked="" type="checkbox"/> BHI APPROVED
SEE NEXT PAGES FOR GENERAL TERMS AND CONDITIONS			