CEMENT JOB REPORT

BAKER HUGHES

CUSTOMER ENCANA OIL & GAS (USA) INC	DATE 20-JUN-13	F.R. # 1001996015	SERV. SUPV. COLE W MARRIOTT
LEASE & WELL NAME RINN NORTH #0-8-9 - API 05123338900000	LOCATION 9-2N-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	HANGER TYPES	MD	TVD
Cement Plug, Rubber, Top 8-5/8 in	Alum Baffle Plate, Slip On, 8-5/8						
	Float Shoe/Poppet Valve 8-5/8 - 8r						

MATERIALS FURNISHED BY BJ	LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT3	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
Fresh Water	0	0	8.34	0	0		45.22	
Fresh Water + Dye	0	0	8.34	0	0		10	
TypeIII+1.5%CaCl+.15%CF	0	320	14.5	1.41	6.82	02:30	80.14	51.96
						TOTAL	135.36	51.96

Available Mix Water 700 Bbl. Available Displ. Fluid 200 Bbl.

HOLE SIZE	% EXCESS	DEPTH	TBG-CSG-D.P. ID	OD	WGT.	TYPE	MD	TVD	GRADE	COLLAR DEPTHS SHOE	FLOAT	STAGE
12.25	40	808	8.097	8.625	24	CSG	757	757	J-55	799	757	0

LAST CASING ID	OD	WGT	TYPE	MD	TVD	PKR-CMT RET-BR PL-LINER BRAND & TYPE	DEPTH	PERF. DEPTH TOP	BTM	TOP CONN SIZE	THREAD	WELL FLUID TYPE	WGT.
						No packer	0			8.625	8RD	WATER BASED	8.34

DISPL. VOLUME VOLUME	UOM	DISPL. FLUID TYPE	WGT.	CAL. PSI BUMP PLUG	CAL. MAX PSI TO REV.	OP. MAX SQ. PSI	MAX TBG PSI RATED	Operator	MAX CSG PSI RATED	Operator	MIX WATER
48.2	BBLS	Fresh Water	8.34	0	0	0	0	0	2160	1000	Rig

Circulation Prior to Job

Circulated Well: Rig [X] BJ [ ] | Circulation Time: 1 | Circulation Rate: 1 BPM

Mud Density In: 8.4 LBS/GAL Mud Density Out: 8.4 LBS/GAL | PV & YP Mud In: 0 | PV & YP Mud Out: 0

Gas Present: NO [X] YES [ ] Units: | Solids Present at End of Circulation: NO [X] YES [ ]

Displacement And Mud Removal

Displaced By: Rig [ ] BJ [X] | Amount Bled Back After Job: .75 BBLS

Returns During Job: [ ] NONE [ ] PARTIAL [X] FULL | Method Used to Verify Returns: Visual

Cement Returns at Surface: [X] YES [ ] NO | Were Returns Planned at Surface: [ ] NO [X] YES

Pipe Movement: [ ] ROTATION [ ] RECIPROCATION [X] NONE [ ] UNABLE DUE TO STUCK PIPE

Centralizers: [ ] NO [X] YES | Quantity: 6 | Type: [ ] BOW [ ] RIGID

Job Pumped Through: [ ] CHOKE MANIFOLD [ ] SQUEEZE MANIFOLD [X] MANIFOLD [ ] NO MANIFOLD

Plugs

Number of Attempts by BJ: 0 Competition: 0 | Wiper Balls Used: [X] NO [ ] YES Quantity:

Plug Catcher Used: [X] NO [ ] YES | Parabow Used: [X] NO [ ] YES

Was There a Bottom: [X] NO [ ] YES | Top of Plug: 0 FT | Bottom of Plug: 0 FT

Squeezes (Update Original Treatment Report for Primary Job)

BLOCK SQUEEZE [ ] SHOE SQUEEZE [ ] TOP OF LINER SQUEEZE [ ] PLANNED [ ] UNPLANNED [ ]

Liner Packer: [X] NO [ ] YES | Bond Log: [X] NO [ ] 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

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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

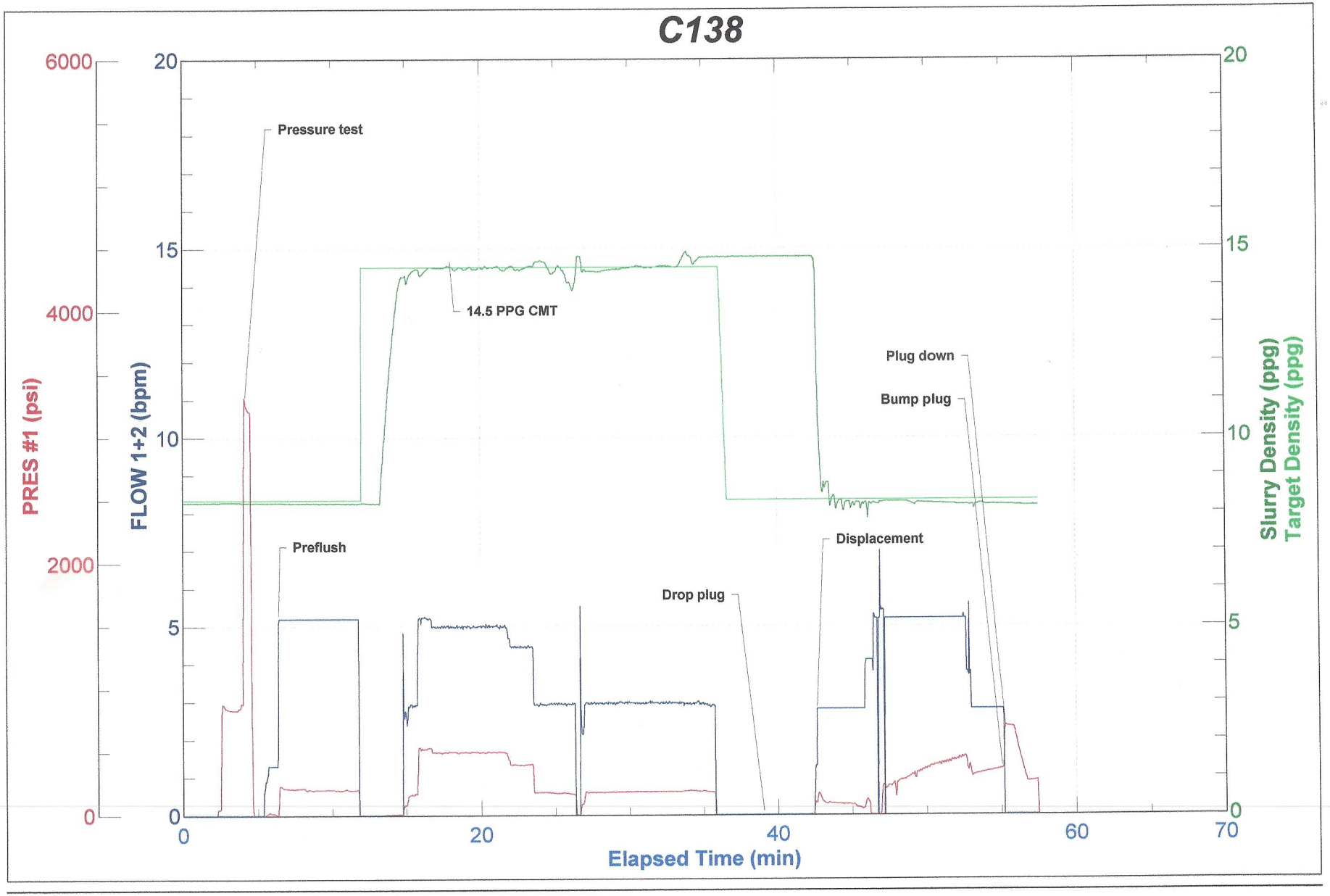
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None

PRESSURE/RATE DETAIL						EXPLANATION
TIME HR:MIN.	PRESSURE - PSI PIPE	PRESSURE - PSI ANNULUS	RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW [X] CO. REP. [X]
						TEST LINES 3004 PSI
						CIRCULATING WELL - RIG [X] BJ [ ]
13:00	0	0	0	0	N/A	Arrive on location 24 miles
14:00	0	0	0	0	N/A	Spot trucks rig starts running casing
14:10	0	0	0	0	N/A	Pre rig up safety meeting
15:45	0	0	0	0	N/A	Pre job safety meeting
15:58	3004	0	0	0	H20	Pressure test
16:00	230	0	5.2	20	H20	Fresh water
16:05	198	0	5.2	10	H20	Dyed spacer
16:08	500	0	5	80	CMT	Batch up weigh and pump 320 sxs of Lead Cement @ 14.5 PPG
16:35	0	0	0	0	N/A	Drop plug
16:38	354	0	5.2	40	H20	Displacement
16:48	354	0	2.8	8	H20	Bump plug
16:50	618	0	0	0	N/A	Plug down
16:52	265	0	0	0	N/A	Left 265 psi on casing

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] N	354	Y [N]	18	158	265	[Y] N	

Baker Hughes JobMaster Program Version 3.60

Job Number: 1001996015
Customer: Encana
Well Name: Rinn North 0-8-9



Job Start: Thursday, June 20, 2013

BAKER HUGHES

FIELD RECEIPT NO. **1001996015**

CUSTOMER	CREDIT APPROVAL NO.	PURCHASE ORDER NO.	CUSTOMER NUMBER	INVOICE NUMBER
ENCANA OIL & GAS (USA) INC - XML			20011760 - 0040056573-1	

MAIL INVOICE TO	STREET OR BOX NUMBER	CITY	STATE	ZIP CODE
	370 17TH ST, STE 1700 US BANK TOWER	DENVER	Colorado	80202

DATE WORK COMPLETED	MO.	DAY	YEAR	BHI REPRESENTATIVE	WELL API NO:	WELL TYPE :
	06	20	2013	COLE W MARRIOTT	05123338900000	New Well

DISTRICT	JOB DEPTH(ft)	WELL CLASS :
BJS, BRIGHTON	799	Gas

WELL NAME AND NUMBER	TD WELL DEPTH(ft)	GAS USED ON JOB :
RINN NORTH #0-8-9	808	No Gas

WELL LOCATION :	LEGAL DESCRIPTION	COUNTY/PARISH	STATE	JOB TYPE CODE :
	9-2N-68W	Weld	Colorado	Surface

PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
100112	Calcium Chloride	lbs	452	1.290	583.08	55%	262.39
100295	Cello Flake	lbs	48	5.100	244.80	55%	110.16
499632	Granulated Sugar	lbs	50	3.840	192.00	55%	86.40
499680	Static Free	lbs	26	40.700	1,058.20	55%	476.19
499703	Type III Cement	sacks	320	31.700	10,144.00	55%	4,564.80
	SUB-TOTAL FOR Product Material				12,222.08	55.00%	5,499.94
A152	Personnel Per Diem Chrg - Cement Svc	ea	1	210.000	210.00	0%	210.00
M100	Bulk Materials Blending Charge 333	cu ft	332	5.450	1,809.40	55%	814.23
	SUB-TOTAL FOR Service Charges				2,019.40	49.28%	1,024.23

ARRIVE LOCATION :	MO.	DAY	YEAR	TIME
	06	20	2013	13:00

CUSTOMER REP.
Scott Osborn

SEE LAST PAGE 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 LAST PAGE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER.

CUSTOMER AUTHORIZED AGENT

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

CUSTOMER AUTHORIZED AGENT
X

BHI APPROVED
X

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F053A	Cement Pumping, 0 - 1000 ft	4hrs	1	3,200.000	3,200.00	55%	1,440.00
F090	Fuel per pump charge - cement	pump/hr	2	70.250	140.50	0%	140.50
J050	Cement Head	job	1	830.000	830.00	55%	373.50
J225	Data Acquisition, Cement, Standard	job	1	2,130.000	2,130.00	55%	958.50
J390	Mileage, Heavy Vehicle	miles	48	11.850	568.80	55%	255.96
J391	Mileage, Auto, Pick-Up or Treating Van	miles	48	6.700	321.60	55%	144.72
	SUB-TOTAL FOR Equipment				7,190.90	53.93%	3,313.18
J401	Bulk Delivery, Dry Products 522	ton-mi	368	3.940	1,449.92	55%	652.46
	SUB-TOTAL FOR Freight/Delivery Charges				1,449.92	55.00%	652.46
	AFE 11151075 FIELD ESTIMATE				22,882.30	54.16%	10,489.81
	8715 404						

ARRIVE LOCATION :	MO.	DAY	YEAR	TIME
	06	20	2013	13:00

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BHI APPROVED

X