

# CEMENT JOB REPORT



CUSTOMER ENCANA OIL & GAS (USA) INC			DATE 23-JUN-13		F.R. # 1001996513		SERV. SUPV. BARLEN M JOYNER					
LEASE & WELL NAME RINN NORTH #0-4-9 - API 05123338930000			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		Float Collar, AI Flap, 8-5/8 - 8rd		NONE		0	0	NONE		0	0	
		Float Shoe 8-5/8 - 8rd										
		Cement Basket, Slip On, 8-5/8 in										
		Centralizer, with Pins, 8-5/8 in										
MATERIALS FURNISHED BY BJ			LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES							
					SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT <sup>3</sup>	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER	
Fresh Water			0		0	8.34	0	0	00:00	48.1		
Fresh Water + Dye			0		0	8.34	0	0	00:00	10		
Type III + 1.5% CaCl <sub>2</sub> + 15% CF			C0608213		320	14.5	1.41	6.82	04:00	80.14	51.96	
Fresh Water			0		0	8.34	0	0	00:00	20		
Available Mix Water 500 Bbl.			Available Displ. Fluid 350 Bbl.		TOTAL			158.24		51.96		
HOLE		TBG-CSG-D.P.								COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
12.25	0	808	8.097	8.625	24	CSG	798	798	J-55	798	755	0
LAST CASING			PKR-CMT RET-BR PL-LINER				PERF. DEPTH		TOP CONN		WELL FLUID	
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE		DEPTH	TOP	BTM	SIZE	THREAD
						NO LINER		0			8.625	8RD
DISPL. VOLUME			DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		MIX WATER
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator		
48.1	BBLS	Fresh Water	8.34	256	0	0	0	0	2680	2000	RIG TANK	
Circulation Prior to Job												
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 1			Circulation Rate: 4 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 <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 type="checkbox"/> RECIPROCATION <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						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			
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						
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE												



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## 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	3621 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
00:30	0	0	0	0	N/A	YARD CALL	
02:53	0	0	0	0	N/A	ARRIVE ON LOCATION (24 MILES) A COUPLE JOINTS INTO CASING	
03:50	0	0	0	0	N/A	SPOT TRUCKS	
03:52	0	0	0	0	N/A	PRE-RIG UP SAFETY MEETING	
04:20	0	0	0	0	N/A	SAFETY MEETING	
04:40	3621	0	0	0	WATER	PRESSURE TEST	
04:44	198	0	5.8	20	WATER	FRESH WATER SPACER	
04:48	223	0	5.8	10	WATER	FRESH WATER + DYE	
04:54	231	0	4.8	80	CMT	BATCH UP, WEIGH AND PUMP 320 SX OF TYPE III + 0.08 LBS/SACK STATIC FREE + 1.5% CACL2 + 0.15 LBS/SACK CELLO FLAKE @ 14.5 PPG	
05:19	0	0	0	0	N/A	RELEASE PLUG	
05:23	523	0	5.9	38	WATER	START DISPLACEMENT	
05:29	198	0	2.4	10	WATER	DROP RATE	
05:34	307	0	2.4	48	WATER	BUMP PLUG	
05:34	546	0	0	0	N/A	PLUG DOWN @ 48 BBLs	
05:36	0	0	0	0	N/A	PRE-RIG DOWN SAFETY MEETING	
06:10	0	0	0	0	N/A	TIME OFF LOCATION	
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	307	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	23	158	223	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	



Baker Hughes JobMaster Program Version 3.60

Job Number: 1001996513

Customer: EnCana

Well Name: Rinn North 0-4-9

C956







FIELD RECEIPT NO. 1001996513

CUSTOMER ENCANA OIL & GAS (USA) INC - XML				CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER 20011760 - 0040056573-1		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. 06	DAY 23	YEAR 2013	BHI REPRESENTATIVE BARLEN M JOYNER		WELL API NO: 05123338930000		WELL TYPE : New Well		
DISTRICT BJS, BRIGHTON					JOB DEPTH (ft) 798		WELL CLASS : Gas				
WELL NAME AND NUMBER RINN NORTH #0-4-9					TD WELL DEPTH (ft) 808		GAS USED ON JOB : No Gas				
WELL LOCATION :		LEGAL DESCRIPTION 9-2N-68W			COUNTY/PARISH Weld		STATE Colorado		JOB TYPE CODE : 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	
488019	FP-6L				gals	7	104.250	729.75	55%	328.39	
499632	Granulated Sugar				lbs	100	3.840	384.00	55%	172.80	
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								13,143.83	55.00%	5,914.73	
A152	Personnel Per Diem Chrg - Cement Svc				ea	1	210.000	210.00	0%	210.00	
M100	Bulk Materials Blending Charge				cu ft	334	5.450	1,820.30	55%	819.14	
SUB-TOTAL FOR Service Charges								2,030.30	49.31%	1,029.14	
ARRIVE LOCATION : MO. 06 DAY 23 YEAR 2013 TIME 02:53					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. Scott Osborne					CUSTOMER AUTHORIZED AGENT						
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS					BHI APPROVED						



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WELL LOCATION : 9-2N-68W				COUNTRY/PARISH Weld		STATE Colorado		JOB TYPE CODE : Surface			
PRODUCT CODE		DESCRIPTION			UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT	
F053A	Cement Pumping, 0 - 1000 ft			4hrs	1	3,200.00		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			ton-mi	369	3.940		1,453.86	55%	654.24	
SUB-TOTAL FOR Freight/Delivery Charges								1,453.86	55.00%	654.24	
FIELD ESTIMATE								23,818.89	54.19%	10,911.29	
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CUSTOMER REP. Scott Osborne				CUSTOMER AUTHORIZED AGENT				CUSTOMER AUTHORIZED AGENT			
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS				CUSTOMER AUTHORIZED AGENT				BHI APPROVED			