

CEMENT JOB REPORT



CUSTOMER ENCANA OIL & GAS (USA) INC		DATE 06-MAR-13	F.R. # 1001970260		SERV. SUPV. CALEB C KINGSLEY	
LEASE & WELL NAME RASMUSSEN #4-0-28 - API 05123328950000		LOCATION 28-2N-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
8-5/8" Top Cem Plug, Nitrile cvr, Ph	Cement Basket, Slip On, 8-5/8 in	NONE	0	0	NONE	0	0
	Cement Basket, Slip On, 8-5/8 in	NONE	0	0	NONE	0	0
	Float Collar, Auto Fill, 8-5/8 - 8rd	NONE	0	0	NONE	0	0
	Guide Shoe, Cement Nose, 8-5/8 i						

PHYSICAL SLURRY PROPERTIES								
MATERIALS FURNISHED BY BJ	LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
Fresh Water	0	0	8.34	0	0	00:00	49	
Fresh Water + Dye	0	0	8.34	0	0	00:00	10	
Type III + 1.5% CaCl ₂ + 15% CF	0	350	14.5	1.41	6.82	02:30	87.8	56.93
FRESH WATER	0	0	8.34	0	0	00:00	20	
Available Mix Water 100 Bbl.		Available Displ. Fluid 100 Bbl.		TOTAL		166.8 56.93		

HOLE			TBG-CSG-D.P.					COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
12.25	0	822	8.097	8.625	24	CSG	800	800	J-55	812	770	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	WGT.
						NO PACKER OR CEMENT R	0			8.625	8RND	9.4

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					
49	BBLS	Fresh Water	8.34		0	0	0	0	2950	2360					RIG TANK

Circulation Prior to Job

Circulated Well: Rig ☒ BJ ☐ Circulation Time: 1 Circulation Rate: 6 BPM

Mud Density In: 9.6 LBS/GAL Mud Density Out: 936 LBS/GAL PV & YP Mud In: 18 PV & YP Mud Out: 18

Gas Present: NO ☒ YES ☐ Units: Solids Present at End of Circulation: NO ☒ YES ☐

Displacement And Mud Removal

Displaced By: Rig ☐ BJ ☒ Amount Bled Back After Job: 0 BBLS

Returns During Job: ☐ NONE ☐ PARTIAL ☒ FULL Method Used to Verify Returns: VISUAL

Cement Returns at Surface: ☒ YES ☐ NO Were Returns Planned at Surface: ☐ NO ☒ YES

Pipe Movement: ☐ ROTATION ☐ RECIPROCATION ☒ NONE ☐ UNABLE DUE TO STUCK PIPE

Centralizers: ☐ NO ☒ YES Quantity: 6 Type: ☒ BOW ☐ RIGID

Job Pumped Through: ☐ CHOKE MANIFOLD ☐ SQUEEZE MANIFOLD ☒ MANIFOLD ☐ NO MANIFOLD

Plugs

Number of Attempts by BJ: 0 Competition: Wiper Balls Used: ☒ NO ☐ YES Quantity:

Plug Catcher Used: ☒ NO ☐ YES Parabow Used: ☒ NO ☐ YES

Was There a Bottom: ☒ 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: ☒ NO ☐ YES Bond Log: ☒ 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

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

CEMENT JOB REPORT



Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: 0 FT
 Number of Times Tests Conducted: 0
 Target EMW: 0 LBS/GAL Actual EMW: 0 LBS/GAL
 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

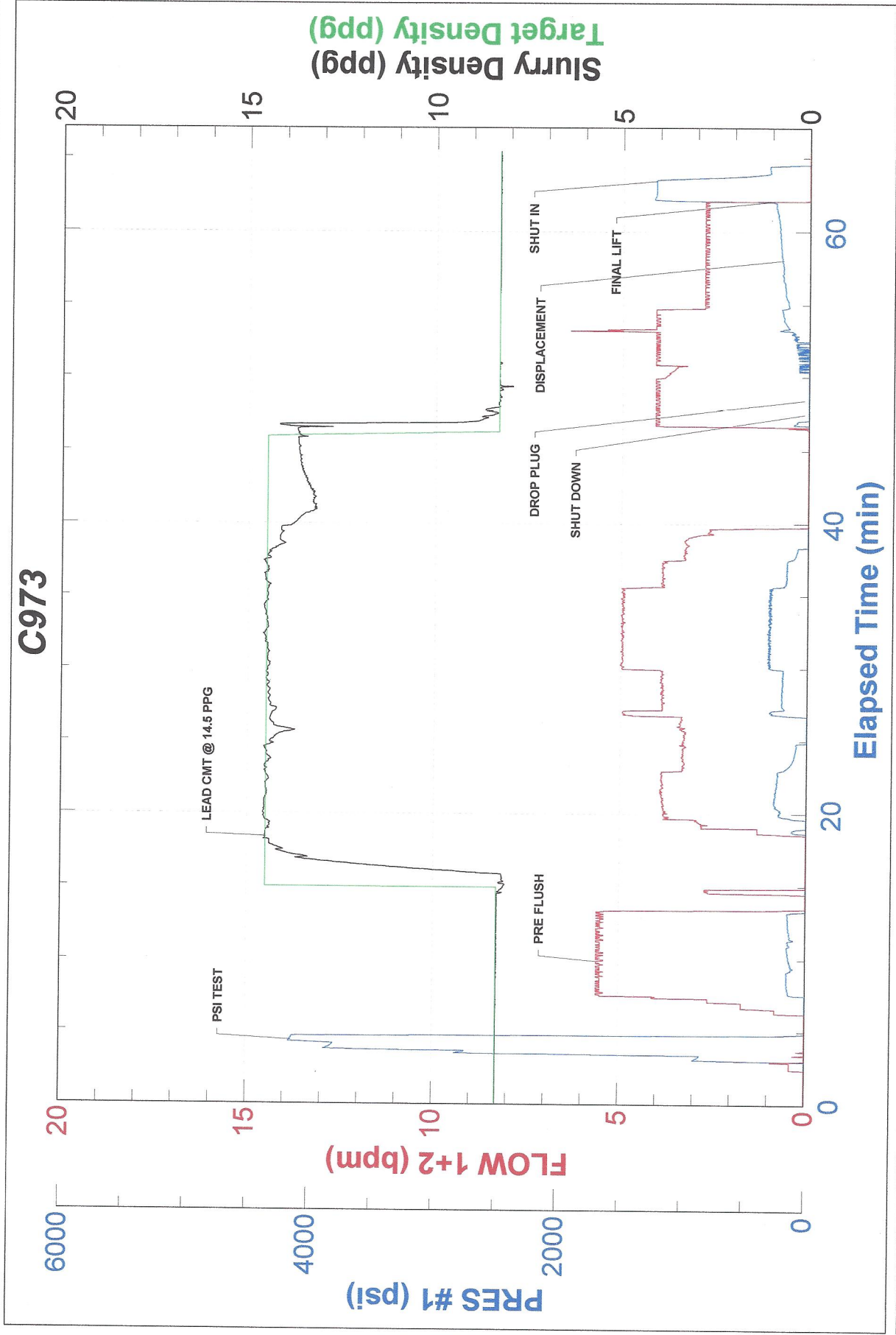
Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
 NONE

PRESSURE/RATE DETAIL

EXPLANATION

TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	EXPLANATION
	PIPE	ANNULUS				
						SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>
						TEST LINES 4155 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
09:40	0	0	0	0	NA	LEAVE THE DISTRICT
10:19	0	0	0	0	NA	ARRIVE TO LOCATION
10:22	0	0	0	0	NA	SPOT TRUCKS
11:00	0	0	0	0	NA	SAFETY MEETING
11:27	4155	0	.4	.5	H2O	PRESSURE TEST
11:30	147	0	5.6	20	H2O	FRESH WATER SPACER
11:36	139	0	5.6	10	H2O	FRESH WATER WITH DYE
11:38	0	0	0	0	NA	SHUT DOWN AND PREPARE FOR CMT
11:43	252	0	3.8	83	CMT	BATCH/WEIGH/PUMP LEAD CMT @ 14.5 PPG
12:04	0	0	0	0	NA	SHUT DOWN AND WASH UP
12:08	0	0	0	0	NA	DROP PLUG
12:11	80	0	4.1	30	H2O	DISPLACEMENT
12:18	174	0	2.8	19	H2O	DROP RATE
12:18	181	0	4.1	0	H2O	CMT TO SURFACE WITH 25 BBL PUMPED OF DISPLACEMENT. 24 BBL OF CMT TO SURFACE.
12:26	272	0	2.8	49	H2O	FINAL LIFT
12:26	1245	0	2.8	0	H2O	BUMP PLUG
12:29	318	0	0	0	H2O	SHUT IN HEAD AND MANIFOLD
12:35	0	0	0	0	NA	RIG DOWN
13:10	0	0	0	0	NA	LEAVE 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	272	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	24	162	318	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<i>C. Unicy</i> <i>Julian Hansen</i>





FIELD RECEIPT NO. 1001970260

CUSTOMER ENCANA OIL & GAS (USA) INC - X				CREDIT APPROVAL NO.				PURCHASE ORDER NO.				CUSTOMER NUMBER 20023075 - 00201580				INVOICE NUMBER			
MAIL INVOICE TO 370 17TH ST, STE 1700 US BANK TOWER				CITY DENVER				STATE Colorado				ZIP CODE 80202							
DATE WORK COMPLETED		MO. 03	DAY 06	YEAR 2013	BHI REPRESENTATIVE CALEB C KINGSLEY		WELL API NO: 05123328950000		WELL TYPE : New Well		WELL CLASS : Gas		GAS USED ON JOB : No Gas		JOB TYPE CODE : Surface				
DISTRICT BJS, BRIGHTON				JOB DEPTH(ft) 812				TD WELL DEPTH(ft) 822											
WELL NAME AND NUMBER RASMUSSEN #4-0-28				LEGAL DESCRIPTION 28-2N-68W				COUNTY/PARISH Weld				STATE Colorado							
WELL LOCATION :																			
PRODUCT CODE		DESCRIPTION																	
100112		Calcium Chloride		UNIT OF MEASURE		QUANTITY		PRICE UNIT		GROSS AMOUNT		% DISC.		NET AMOUNT					
100112		Calcium Chloride		lbs		✓ 494		1.440		711.36		55%		320.11					
100295		Cello Flake		lbs		✓ 300		1.440		432.00		100%		0.00					
100404		Sodium Chloride		lbs		✓ 53		4.570		242.21		55%		108.99					
488019		FP-6L		lbs		✓ 100		0.460		46.00		100%		0.00					
499632		Granulated Sugar		gals		✓ 3		93.500		280.50		55%		126.23					
499680		Static Free		lbs		✓ 50		3.290		164.50		55%		74.03					
499703		Type III Cement		lbs		✓ 28		35.800		1,002.40		55%		451.08					
		SUB-TOTAL FOR Product Material		sacks		✓ 350		26.900		9,415.00		55%		4,236.75					
A152		Personnel Surcharge - Cement Svc		ea		1		152.000		152.00		0%		152.00					
M100		Bulk Materials Blending Charge		cu ft		372		3.930		1,461.96		55%		657.88					
		SUB-TOTAL FOR Service Charges								1,613.96		49.82%		809.88					
ARRIVE LOCATION :		MO. 03	DAY 06	YEAR 2013	TIME 10:19		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		SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS																	
		CUSTOMER AUTHORIZED AGENT																	
		BHI APPROVED																	



FIELD RECEIPT NO. 1001970260

CUSTOMER		ENCANA OIL & GAS (USA) INC - X		CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER		INVOICE NUMBER	
MAIL INVOICE TO		STREET OR BOX NUMBER		CITY		STATE		ZIP CODE			
DATE WORK COMPLETED		MO.	DAY	YEAR	BHI REPRESENTATIVE		WELL API NO:		WELL TYPE:		
03 06 2013		CALEB C KINGSLEY		05123328950000		New Well					
DISTRICT		BJS, BRIGHTON		JOB DEPTH(ft)		812		WELL CLASS:		Gas	
WELL NAME AND NUMBER		RASMUSSEN #4-0-28		TD WELL DEPTH(ft)		822		GAS USED ON JOB:		No Gas	
WELL LOCATION:		LEGAL DESCRIPTION		COUNTY/PARISH		STATE		JOB TYPE CODE:		Surface	
28-2N-68W		Weld		Colorado							

PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST 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
F090	Fuel per pump charge - cement	pump/hr	4	57.500	230.00	0%	230.00
J050	Cement Head	job	1	595.000	595.00	55%	267.75
J225	Data Acquisition, Cement, Standard	job	1	1,540.000	1,540.00	55%	693.00
J390	Mileage, Heavy Vehicle	miles	38	8.550	324.90	55%	146.21
J391	Mileage, Auto, Pick-Up or Treating Van	miles	38	4.830	183.54	55%	82.59
	SUB-TOTAL FOR Equipment				6,123.44	52.93%	2,882.05
J401	Bulk Delivery, Dry Products	ton-mi	322	2.850	917.70	55%	412.97
	SUB-TOTAL FOR Freight/Delivery Charges				917.70	55.00%	412.97
	FIELD ESTIMATE				20,949.07	55.02%	9,422.09

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8715
404

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

WES HARRISON

SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS

ARRIVE MO. 03 DAY 06 YEAR 2013 TIME 10:19

LOCATION :

CUSTOMER REP. WES HARRISON

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

CUSTOMER AUTHORIZED AGENT

BHI APPROVED