

CEMENT JOB REPORT



CUSTOMER ENCANA OIL & GAS (USA) INC	DATE 24-APR-13	F.R. # 1001982113	SERV. SUPV. CALEB C KINGSLEY
LEASE & WELL NAME BREAKNECK PROPERTIES #21-6 - API 051233682	LOCATION 6-3N-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	HANGER TYPES	MD	TVD
Cement Plug, Rubber, Top 8-5/8 in	Cement Basket, Slip On, 8-5/8 in	NONE	0	0	NONE	0	0
	Centralizer, with Pins, 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						

MATERIALS FURNISHED BY BJ	LAB REPORT NO.	PHYSICAL SLURRY PROPERTIES						
		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	50.95	
Fresh Water + Dye	0	0	8.34	0	0	00:00	10	
Typ III + 1.5% CaCl ₂ + 15% CF	0	365	14.5	1.41	6.82	02:30	91.6	59.39
Fresh Water	0	0	8.34	0	0	00:00	10	
Available Mix Water <u>150</u> Bbl.		Available Displ. Fluid <u>150</u> Bbl.		TOTAL				
						162.55 59.39		

HOLE			TBG-CSG-D.P.						COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
12.25	0	890	8.097	8.625	24	CSG	880	880	J-55	880	838	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	TYPE	WGT.
						NO PACKER OR CEMENT R		0			8.625	8RND	WATER BASED	9.2

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	
53.3	BBLs	Fresh Water	8.34	267.8	0	0	0	0	2950	2360	RIG TANK

Circulation Prior to Job			
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>		Circulation Time: 1	
Mud Density In: 9.2 LBS/GAL		Mud Density Out: 9.2 LBS/GAL	
PV & YP Mud In: 0		PV & YP Mud Out: 0	
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 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		Quantity: 6	
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES		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:	
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	

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 Target EMW: 0 LBS/GAL Actual EMW: 0 LBS/GAL

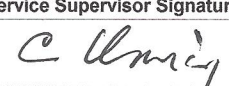
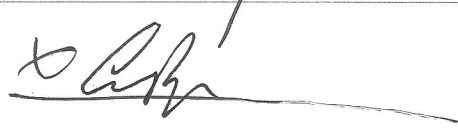
Number of Times Tests Conducted: 0 Mud Weight When Test was Conducted: 0 LBS/GAL

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	4565 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
22:45	0	0	0	0	NA	LEAVE THE DISTRICT	
23:40	0	0	0	0	NA	ARRIVE TO LOCATION	
00:35	0	0	0	0	NA	SPOT TRUCKS	
01:10	0	0	0	0	NA	SAFETY MEETING	
01:42	4565	0	.4	1	H2O	PRESSURE TEST	
01:47	216	0	4.8	20	H2O	FRESH WATER SPACER AHEAD	
01:51	0	0	0	0	NA	SHUT DOWN AND PREPARE FOR CMT	
01:56	346	0	4.7	85	CMT	BATCH AND PUMP LEAD CMT @ 14.5 PPG	
02:15	0	0	0	0	NA	SHUT DOWN AND WASH UP THE PUMP	
02:18	0	0	0	0	NA	DROP THE PLUG	
02:20	228	0	4.8	30	H2O	DISPLACEMENT	
02:25	274	0	3.6	10	H2O	DROP RATE	
02:26	291	0	3.6	0	H2O	CMT TO SURFACE WITH 30 BBL OF DISPLACEMENT PUMPED. 23 BBL OF CMT TO SURFACE.	
02:29	320	0	2.4	13	H2O	DROP RATE	
02:35	357	0	2.4	53	H2O	FINAL LIFT	
02:35	1105	0	2.4	0	H2O	BUMP THE PLUG	
02:39	322	0	0	0	NA	SHUT IN THE HEAD WITH 322 PSI LEFT THE WELL.	
02:43	0	0	0	0	NA	RIG DOWN	
03:25	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	357	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	23	158	322	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	 



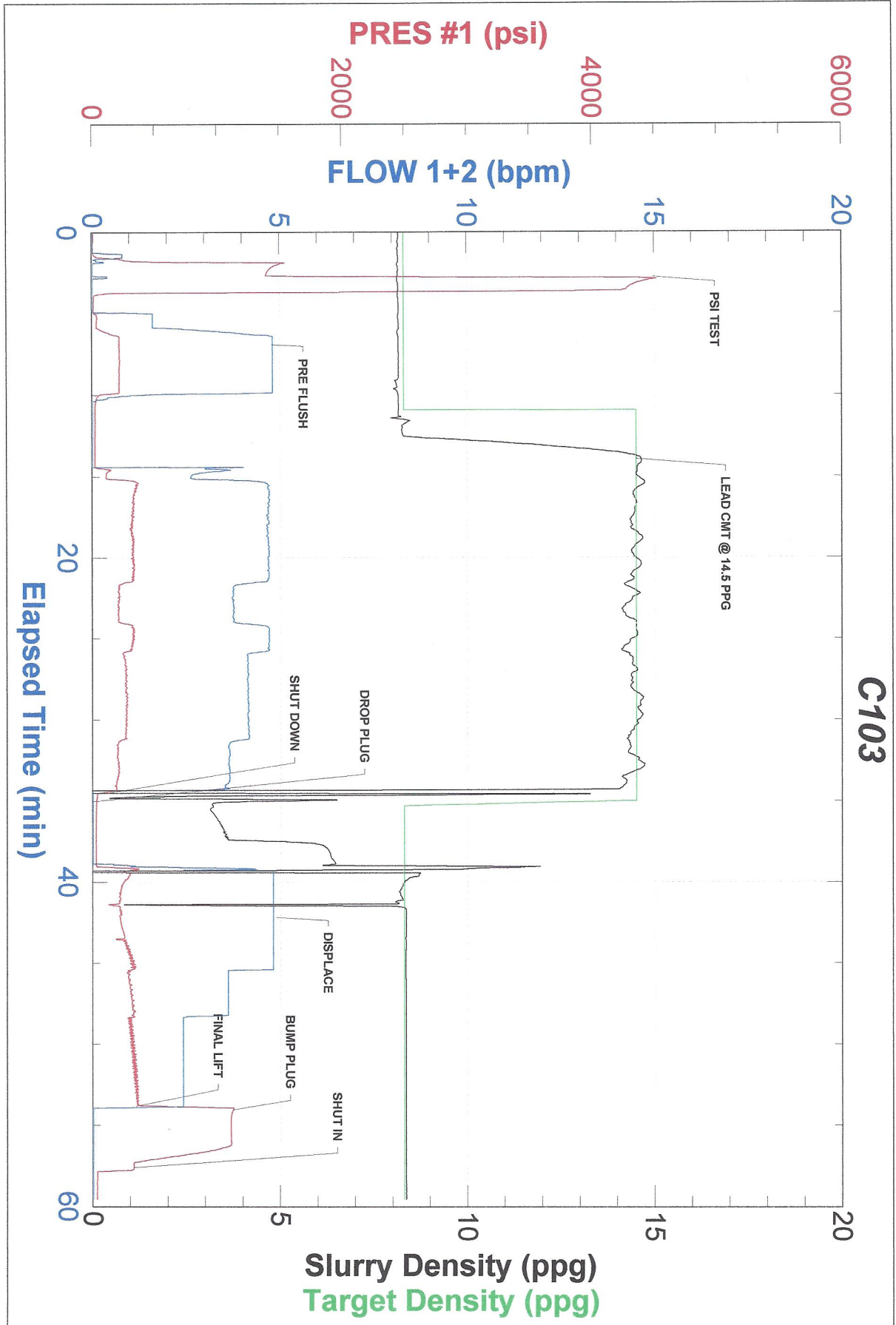
Baker Hughes JobMaster Program Version 3.60

Job Number: 1001982113

Customer: ENCANA


Well Name: BREAKNECK PROPERTIES 21-6

C103





FIELD RECEIPT NO. 1001982113

CUSTOMER ENCANA OIL & GAS (USA) INC - XML		CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER 20011760 - 0040056573-1		INVOICE NUMBER	
MAIL STREET OR BOX NUMBER 370 17TH ST, STE 1700 US BANK TOWER		CITY DENVER		STATE Colorado		ZIP CODE 80202			
DATE WORK COMPLETED	MO. DAY YEAR	WELL API NO: 05123368230000		WELL TYPE : New Well					
DISTRICT BJS, BRIGHTON		JOB DEPTH(ft) 880		WELL CLASS : Gas					
WELL NAME AND NUMBER BREAKNECK PROPERTIES #21-6		TD WELL DEPTH(ft) 890		GAS USED ON JOB : No Gas					
WELL LOCATION :		LEGAL DESCRIPTION 6-3N-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	515	1.440	741.60	55%	333.72		
100112	Calcium Chloride	lbs	300	1.440	432.00	100%	0.00		
100295	Cello Flake	lbs	55	4.570	251.35	55%	113.11		
100404	Sodium Chloride	lbs	100	0.460	46.00	100%	0.00		
488019	FP-6L	gals	4	93.500	374.00	55%	168.30		
499632	Granulated Sugar	lbs	50	3.290	164.50	55%	74.03		
499680	Static Free	lbs	30	35.800	1,074.00	55%	483.30		
499703	Type III Cement	sacks	365	26.900	9,818.50	55%	4,418.33		
SUB-TOTAL FOR Product Material						12,901.95		56.67%	
A152	Personnel Surcharge - Cement Svc	ea	1	152.000	152.00	0%	152.00		
M100	Bulk Materials Blending Charge	cu ft	380	3.930	1,493.40	55%	672.03		
SUB-TOTAL FOR Service Charges						1,645.40		49.92%	
ARRIVE LOCATION :		MO. DAY YEAR	TIME	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.					
		04 24 2013	23:45						
CUSTOMER REP.		CARL RAYAS		CUSTOMER AUTHORIZED AGENT					
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS				BHI APPROVED					
									



FIELD RECEIPT NO. 1001982113

CUSTOMER ENCANA OIL & GAS (USA) INC - XML		CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER 20011760 - 0040056573-1		INVOICE NUMBER	
MAIL STREET OR BOX NUMBER 370 17TH ST, STE 1700 US BANK TOWER		CITY DENVER		STATE Colorado		ZIP CODE 80202			
DATE WORK MO. DAY YEAR		WELL API NO:		WELL TYPE:		New Well			
COMPLETED 04 24 2013		CALEB C KINGSLEY		JOB DEPTH (ft)		880			
DISTRICT BJS, BRIGHTON		LEGAL DESCRIPTION 6-3N-68W		COUNTY/PARISH Weld		TD WELL DEPTH (ft)		890	
WELL NAME AND NUMBER BREAKNECK PROPERTIES #21-6		GAS USED ON JOB:		WELL CLASS:		Gas			
WELL LOCATION:		SUB-TOTAL FOR Equipment		JOB TYPE CODE:		Surface			
PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT		
F003A	Cement Pumping, 0 - 1000 ft	4hrs	1	3,250.000	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	66	8.550	564.30	55%	253.94		
J391	Mileage, Auto, Pick-Up or Treating Van	miles	66	4.830	318.78	55%	143.45		
J401	Bulk Delivery, Dry Products	ton-mi	577	2.850	1,644.45	55%	740.00		
SUB-TOTAL FOR Freight/Delivery Charges									
SUB-TOTAL FOR Equipment									
FIELD ESTIMATE									
AF# 13173195									
CDE 8715.404									
SUB-TOTAL								10,205.46	

ARRIVE MO. DAY YEAR TIME
LOCATION : 04 24 2013 23:45

CUSTOMER REP. CARL RAYAS

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

BHI APPROVED

CUSTOMER AUTHORIZED AGENT