

CEMENT JOB REPORT



CUSTOMER ENCANA OIL & GAS (USA) IN		DATE 16-AUG-13	F.R. # 10011008360	SERV. SUPV. JASON L SJOBERG	
LEASE & WELL NAME BILLINGS #1 - API 05123098330000		LOCATION 34-2N-68W		COUNTY-PARISH-BLOCK Weld Colorado	
DISTRICT Brighton		DRILLING CONTRACTOR RIG # W/O		TYPE OF JOB Squeeze-Hole	
SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES MD TVD
None	NA-Squeeze	Bridge Plug	7340	7340	
		Packer	6985	6985	
MATERIALS FURNISHED BY BJ		PHYSICAL SLURRY PROPERTIES			
		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS
		LAB REPORT NO.			Bbl SLURRY
Fresh Water		0	8.3	0	10
Cement Slurry		200	15.8	1.16	41.19
Fresh Water		0	8.34	0	27
Available Mix Water 100 Bbl.		Available Displ. Fluid 100 Bbl.		TOTAL 78.19 23.82	
HOLE		TBG-CSG-D.P.			COLLAR DEPTHS
SIZE	% EXCESS	DEPTH	ID	OD	WGT.
0	0	7340	4	4.5	11.6
			1.995	2.375	4.7
					CSG
					TBG
					MD TVD GRADE
					7340 7340 P-110
					6985 6985 N-80
LAST CASING		PKR-CMT RET-BR PL-LINER			PERF. DEPTH
ID	OD	WGT.	TYPE	MD	TVD
8.1	8.63	24	CSG	415	415
		Packer			6985
		BRAND & TYPE			DEPTH
					TOP BTM
					7250 7250
					SIZE
					2
					PIPE
					FRESH WATER
					WGT.
					8.34
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.
27.1	BBLs	Fresh Water	8.34	0	0
				OP. MAX	MAX TBG PSI
				3000	8960
				Operator	4000
				RATED	8552
				Operator	4000
				MIX WATER	
				Truck	
Circulation Prior to Job					
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>		Circulation Time: 1		Circulation Rate: 3 BPM	
Mud Density In: 8.34 LBS/G		Mud Density Out: 8.34 LBS/GAL		PV & YP Mud In: 0	
PV & YP Mud Out: 0		Solids Present at End of Circulation: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>		Units:	
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 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 checked="" type="checkbox"/> RECIPROICATION <input type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE					
Centralizers: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Quantity:		Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID	
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input 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"/>	
Liner Packer: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Bond Log: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		PSI Applied: 2867 Fluid Weight: 8.34 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					
PRESSURE/RATE DETAIL				EXPLANATION	

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 5300 PSI CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
09:30	0	0	0	0	N/A	Yard Call
12:20	0	0	0	0	N/A	Leave Yard
12:46	0	0	0	0	N/A	Arrive on Location
12:50	0	0	0	0	N/A	Spot Trucks/Pre Rig-up Safety Meeting
13:45	0	0	0	0	N/A	Safety Meeting
14:05	5300	0	0	0	H2O	Pressure Test Pump and Lines
14:31	2080	0	1.5	6	H2O	Preflush Fresh Water
14:36	97	0	2.1	23	CMT	Batch, Weigh, Pump 15.8 G Cement
14:56	0	0	0	0	N/A	Rig Pull up
14:57	500	0	0	0	H2O	Shut in Backside to 500 psi
14:58	105	0	1.5	15	CMT	Pump 15.8# G Cement
15:04	56	0	2	11	H2O	Displacement
15:14	611	0	1.3	14	H2O	Displacement
15:30	777	0	.6	25	H2O	End Displacement
15:45	911	0	.8	.5	H2O	Squeeze
16:00	1620	0	.4	2.5	H2O	Squeeze
16:09	2987	0	.4	.5	H2O	Squeeze
16:11	2867	0	0	0	N/A	Shut in Well at 2867 psi

BUMPED PLUG Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	PSI TO BUMP PLUG 0	TEST FLOAT EQUIP. Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	BBL.CMT RETURNS/ REVERSED 0	TOTAL BBL. PUMPED 78	PSI LEFT ON CSG 2867	SPOT TOP OUT CEMENT Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Service Supervisor Signature:
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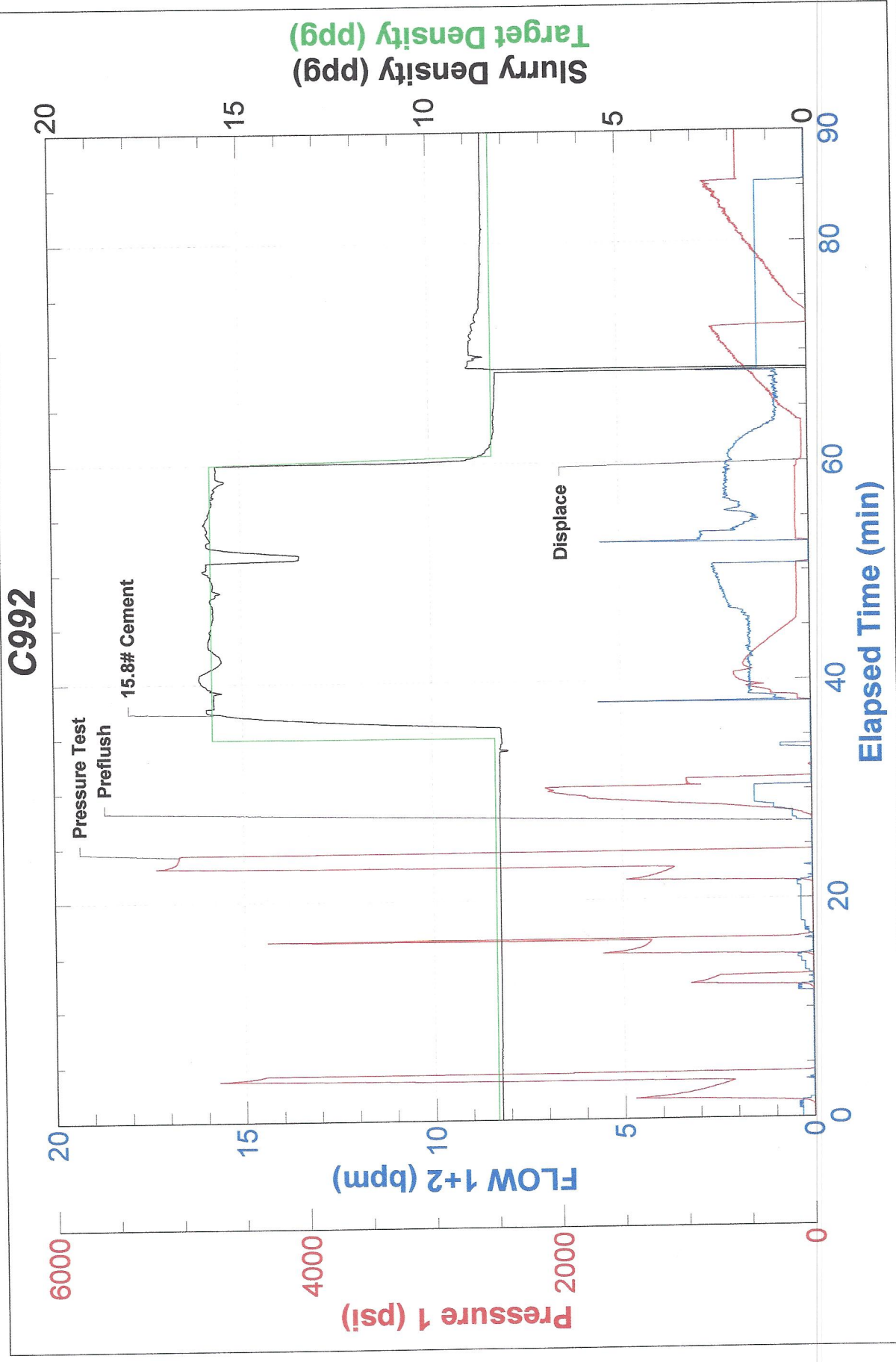
Baker Hughes JobMaster Program Version 3.60

Job Number: 10011008360

Customer: Encana

Well Name: Billings 1

C992





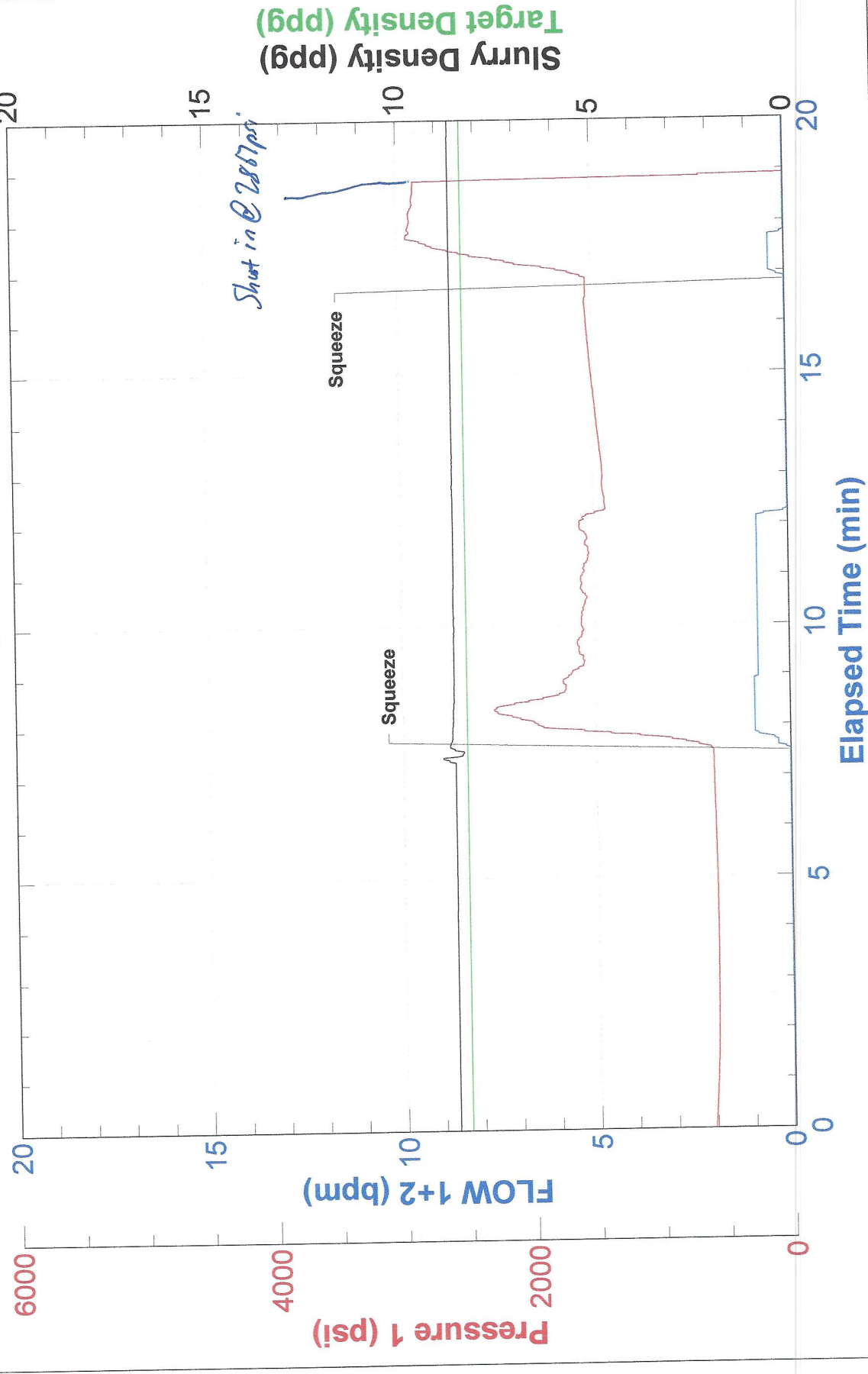
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Job Number: 10011008360

Customer: Encana

Well Name: Billings 1

C992



FIELD RECEIPT NO. 10011008360



CUSTOMER (COMPANY NAME) ENCANA OIL & GAS (USA) INC				CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER 20011760 - 20011760		INVOICE NUMBER	
MAIL STREET OR BOX NUMBER PO BOX 10829				CITY midland		STATE Texas		ZIP CODE 79702			
DATE WORK COMPLETED MO. 08 DAY 16 YEAR 2013		BHI REPRESENTATIVE JASON L SJOBERG		WELL API NO 05123098330000		WELL TYPE Old Well					
DISTRICT BJS, BRIGHTON				JOB DEPTH (ft) 7,250		WELL CLASS Gas					
WELL NAME AND NUMBER BILLINGS #1				TD WELL DEPTH (ft) 7,340		GAS USED ON JOB No Gas					
WELL		LEGAL DESCRIPTION 34-2N-68W		COUNTY/PARISH Weld		STATE Colorado		JOB TYPE CODE Squeeze-Hole			

PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
100021	Class G Cement	sacks	200	31.800	6,360.00	45%	3,498.00
488019		gals	2	104.250	208.50	45%	114.68
499632		lbs	50	3.840	192.00	45%	105.60
SUB-TOTAL FOR Product Material							
A152	Personnel Per Diem Chrg - Cement Svc	ea	1	210.000	210.00	0%	210.00
M100		cu ft	201	5.450	1,095.45	45%	602.50
SUB-TOTAL FOR Service Charges							
F067A	Cement Pumping, 7001 - 8000 ft	6hrs	1	9,525.000	9,525.00	45%	5,238.75
F090		pump/hr	4	70.250	281.00	0%	281.00
J225		job	1	2,130.000	2,130.00	45%	1,171.50
J390		miles	34	11.850	402.90	45%	221.60
J391		miles	34	6.700	227.80	45%	125.29
K392		day	1	715.000	715.00	45%	393.25
SUB-TOTAL FOR Equipment							
J401	Bulk Delivery, Dry Products	ton-mi	161	3.940	634.34	45%	348.89

ARRIVE MO. 08 DAY 16 YEAR 2013 TIME 12:46

CUSTOMER REP.
Tom Flynn

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

☒ BHI APPROVED

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



CUSTOMER (COMPANY NAME) ENCANA OIL & GAS (USA) INC				CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER 20011760 - 20011760		INVOICE NUMBER	
MAIL INVOICE TO STREET OR BOX NUMBER PO BOX 10829				CITY midland		STATE Texas		ZIP CODE 79702		<i>AFE # 761793</i> <i>CODE 8271.75d</i>	
DATE WORK COMPLETED	MO. 08	DAY 16	YEAR 2013	BHI REPRESENTATIVE JASON L SJOBERG	WELL API NO 05123098330000	WELL TYPE Old Well					
DISTRICT BJS, BRIGHTON				JOB DEPTH (ft) 7,250	WELL CLASS Gas						
WELL NAME AND NUMBER BILLINGS #1				TD WELL DEPTH (ft) 7,340	GAS USED ON JOB No Gas						
WELL	LEGAL DESCRIPTION 34-2N-68W			COUNTY/PARISH Weld	STATE Colorado	JOB TYPE CODE Squeeze-Hole					
PRODUCT CODE	DESCRIPTION				UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT	
	SUB-TOTAL FOR Freight/Delivery Charges							634.34	45.00%	348.89	
	FIELD ESTIMATE							21,981.99	43.99%	12,311.06	
ARRIVE				MO.	DAY	YEAR	TIME	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.			
LOCATION :				08	16	2013	12:46	SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.			
CUSTOMER REP. Tom Flynn								CUSTOMER AUTHORIZED AGENT <i>Tom Flynn</i> BHI APPROVED			
SEE NEXT PAGES FOR GENERAL TERMS AND CONDITIONS								CUSTOMER AUTHORIZED AGENT <i>Tom Flynn</i> BHI APPROVED			