

CEMENT JOB REPORT



CUSTOMER ENCANNA OIL & GAS (USA) INC		DATE 26-JUL-12	F.R. # 1001925494	SERV. SUPV. BARLEN M JOYNER										
LEASE & WELL NAME ARISTOCRAT ANGUS #4-6-4 - API 0512333993000		LOCATION 4-3N-65W		COUNTY-PARISH-BLOCK Weld Colorado										
DISTRICT Brighton		DRILLING CONTRACTOR RIG # ENSIGN 17		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, Auto Fill, 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				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	8.34	0	0	00:00	42.8	✓				
Fresh Water + Dye				0	8.34	0	0	00:00	10	✓				
Type III + 1.5% CaCl ₂ + 15% CF				257	14.5	1.41	6.82	02:30	64.36	41.73				
Fresh Water				0	8.34	0	0	00:00	30	✓				
Available Mix Water		500	Bbl.	Available Displ. Fluid		400	Bbl.	TOTAL		147.16 41.73				
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
12.25	0	725	8.097	8.625	24	CSG	713	713	J-55	713	672	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 LINER		0			8.625	8RD	WATER BASED	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				
42.8	BBLs	Fresh Water	8.34	228	0	0	0	0	2360	1000	RIG TANK			
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1				Circulation Rate: 5.9 BPM						
Mud Density In: 9.4 LBS/GAL				Mud Density Out: 9.4 LBS/GAL				PV & YP Mud In: 42		PV & YP Mud Out: 42				
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: 4				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														

CEMENT JOB REPORT



Shoe Test (Update Original Treatment Report for Primary Job)

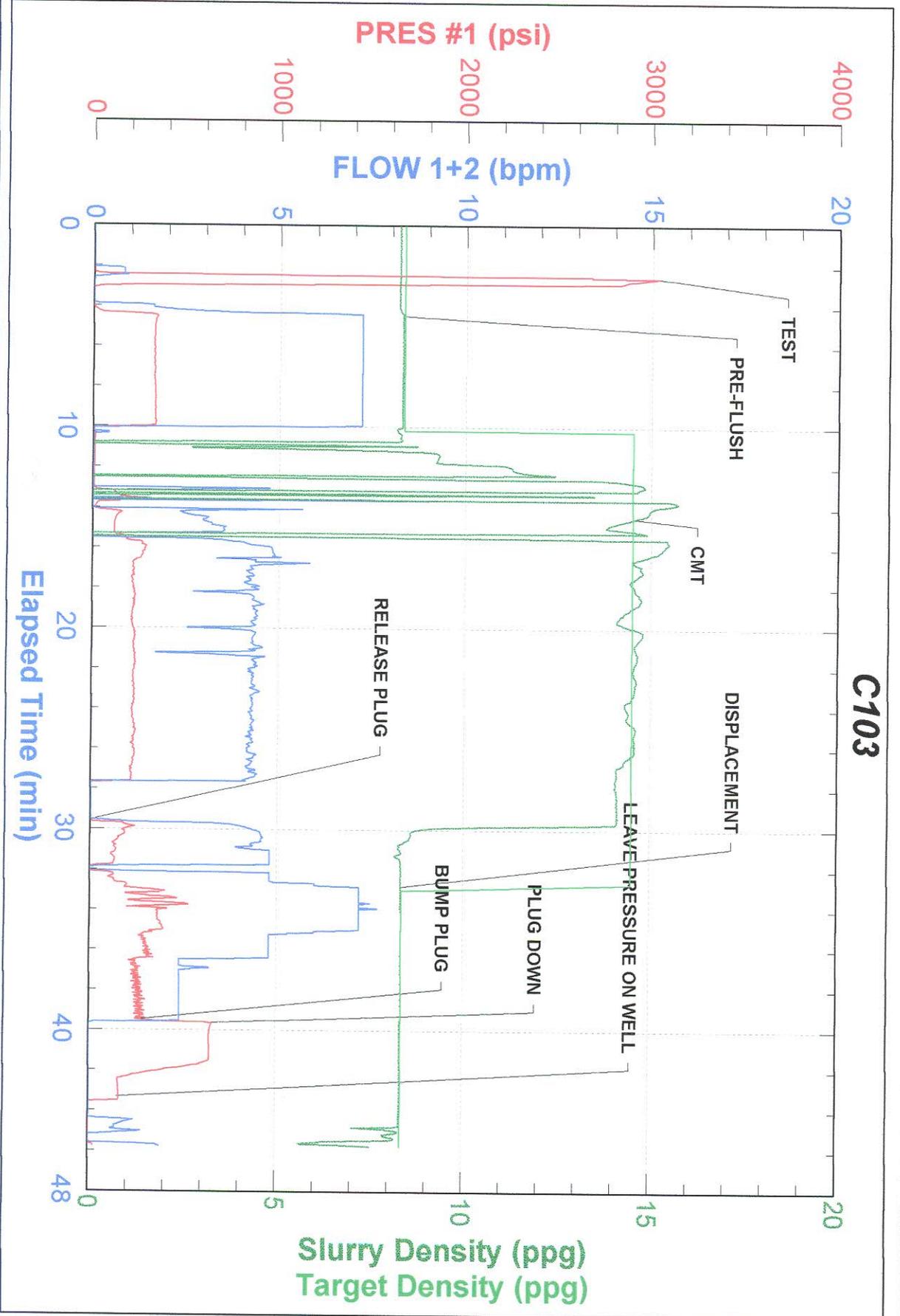
Depth Drilled out of Shoe: 0 FT	Target EMW: 0 LBS/GAL	Actual EMW: 0 LBS/GAL
Number of Times Tests Conducted: 0	Mud Weight When Test was Conducted: 0 LBS/GAL	
Problems Before Job (I.E. Running Casing, Circulating Well, ETC) NONE		
Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, 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	3357 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
21:45	0	0	0	0	N/A	YARD CALL	
01:01	0	0	0	0	N/A	ARRIVE ON LOCATION (28 MILES) RUNNING CASING	
02:00	0	0	0	0	N/A	SPOT TRUCKS	
02:10	0	0	0	0	N/A	PRE-RIG UP SAFETY MEETING	
02:30	0	0	0	0	N/A	SAFETY MEETING	
02:46	3357	0	0	0	WATER	PRESSURE TEST	
02:50	327	0	7.2	30	WATER	FRESH WATER SPACER	
02:54	332	0	7.2	10	WATER	FRESH WATER + DYE	
02:56	221	0	4.5	56	CMT	BATCH UP, WEIGH AND PUMP 275 SX OF TYPE III + 0.08 LBS/SACK STATIC FREE + 1.5% CACL2 + 0.15 LBS/SACK CELLO FLAKE @ 14.5 PPG	
03:14	0	0	0	0	N/A	RELEASE PLUG	
03:15	179	0	7.2	35	WATER	START DISPLACEMENT	
03:22	245	0	2.4	8	WATER	DROP RATE	
03:25	295	0	2.4	43	WATER	LAND PLUG	
03:25	655	0	0	0	N/A	PLUG DOWN @ 43 BBLs	
03:31	0	0	0	0	N/A	PRE-RIG DOWN SAFETY MEETING	
04:00	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	295	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	8	139	151	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	



BJ Services JobMaster Program Version 3.50
Job Number: 1001925494
Customer: Encana
Well Name: Aristocrat Angus 4-6-4



FIELD RECEIPT NO. 1001925494



CUSTOMER		ENCANA OIL & GAS (USA) INC - X		CREDIT APPROVAL NO.	PURCHASE ORDER NO.		CUSTOMER NUMBER		INVOICE NUMBER
MAIL		STREET OR BOX NUMBER		CITY		STATE		ZIP CODE	
INVOICE TO :		370 17TH ST, STE 1700 US BANK TOWER		DENVER		Colorado		80202	
DATE WORK COMPLETED	MO.	DAY	YEAR	BHI REPRESENTATIVE	WELL API NO:	WELL TYPE :	WELL CLASS :		
07	07	26	2012	BARLEN M JOYNER	05123339930000	New Well	Gas		
DISTRICT		BJS, BRIGHTON		JOB DEPTH (ft)		WELL DEPTH (ft)			
				713		725			
WELL NAME AND NUMBER		ARISTOCRAT ANGUS #4-6-4		TD WELL DEPTH (ft)		GAS USED ON JOB :			
						No Gas			
WELL LOCATION :		LEGAL DESCRIPTION		COUNTY/PARISH		STATE		JOB TYPE CODE :	
		4-3N-65W		Weld		Colorado		Surface	
PRODUCT CODE	DESCRIPTION			UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
100112	Calcium Chloride			lbs	388	1.440	558.72	55%	251.42
100295	Cello Flake			lbs	42	4.570	191.94	55%	86.37
499632	Granulated Sugar			lbs	50	3.290	164.50	55%	74.03
499680	Static Free			lbs	22	35.800	787.60	55%	354.42
499703	Type III Cement			sacks	275	26.900	7,397.50	55%	3,328.88
SUB-TOTAL FOR Product Material							9,100.26	55.00%	4,095.12
A152	Personnel Surcharge - Cement Svc			ea	1	152.000	152.00	0%	152.00
M100	Bulk Materials Blending Charge			cu ft	286	3.930	1,123.98	55%	505.79
SUB-TOTAL FOR Service Charges							1,275.98	48.45%	657.79

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.

ARRIVE MO. DAY YEAR TIME
 LOCATION : 07 27 2012 01:01
 CUSTOMER REP. Terry Leighton

SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS
 CUSTOMER AUTHORIZED AGENT

SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.
 X CUSTOMER AUTHORIZED AGENT
 X BHI APPROVED

FIELD RECEIPT NO. 1001925494



CUSTOMER		ENCANA OIL & GAS (USA) INC - X		CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER		INVOICE NUMBER							
MAIL		STREET OR BOX NUMBER		CITY		STATE		ZIP CODE									
INVOICE TO :		370 17TH ST, STE 1700 US BANK TOWER		DENVER		Colorado		80202									
DATE WORK COMPLETED		MO.	DAY	YEAR	BHI REPRESENTATIVE	WELL API NO.:	WELL TYPE :	WELL CLASS :									
07 26 2012		07	26	2012	BARLEN M JOYNER	05123339930000	New Well	Gas									
DISTRICT		BJS, BRIGHTON		JOB DEPTH (ft)		WELL DEPTH (ft)		GAS USED ON JOB :									
713		713		725		No Gas											
WELL NAME AND NUMBER		ARISTOCRAT ANGUS #4-6-4		LEGAL DESCRIPTION		COUNTRY/PARISH		STATE		JOB TYPE CODE :							
4-3N-65W		Weld		Colorado		Surface											
WELL LOCATION :		PRODUCT CODE		DESCRIPTION		UNIT OF MEASURE		QUANTITY		LIST PRICE UNIT		GROSS AMOUNT		% DISC.		NET AMOUNT	
F003A		F090		Cement Pumping, 0 - 1000 ft		4hrs		1		3,250.000		3,250.00		55%		1,462.50	
J050		J225		Fuel per pump charge - cement		pump/hr		2		57.500		115.00		0%		115.00	
J390		J391		Cement Head		job		1		595.000		595.00		55%		267.75	
				Data Acquisition, Cement, Standard		job		1		1,540.000		1,540.00		55%		693.00	
				Mileage, Heavy Vehicle		miles		56		8.550		478.80		55%		215.46	
				Mileage, Auto, Pick-Up or Treating Van		miles		56		4.830		270.48		55%		121.72	
				SUB-TOTAL FOR Equipment								6,249.28		53.99%		2,875.43	
J401				Bulk Delivery, Dry Products		ton-mi		369		2.850		1,051.65		55%		473.24	
				SUB-TOTAL FOR Freight/Delivery Charges								1,051.65		55.00%		473.24	
				FIELD ESTIMATE								17,677.17		54.17%		8,101.58	
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.						SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.					
07 27 2012 01:01		Terry Leighton						 CUSTOMER AUTHORIZED AGENT						 BHI APPROVED			
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS												X					

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