

CEMENT JOB REPORT



CUSTOMER ENCANA 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				LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES						
						SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
Fresh Water				0		0	8.34	0	0	00:00	42.8	—
Fresh Water + Dye				0		0	8.34	0	0	00:00	10	—
Type III + 1.5% CaCl ₂ + 15% CF				0		257	14.5	1.41	6.82	02:30	64.36	41.73
Fresh Water				0		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	WGT.
						NO LINER	0			8.625	8RD	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												

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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

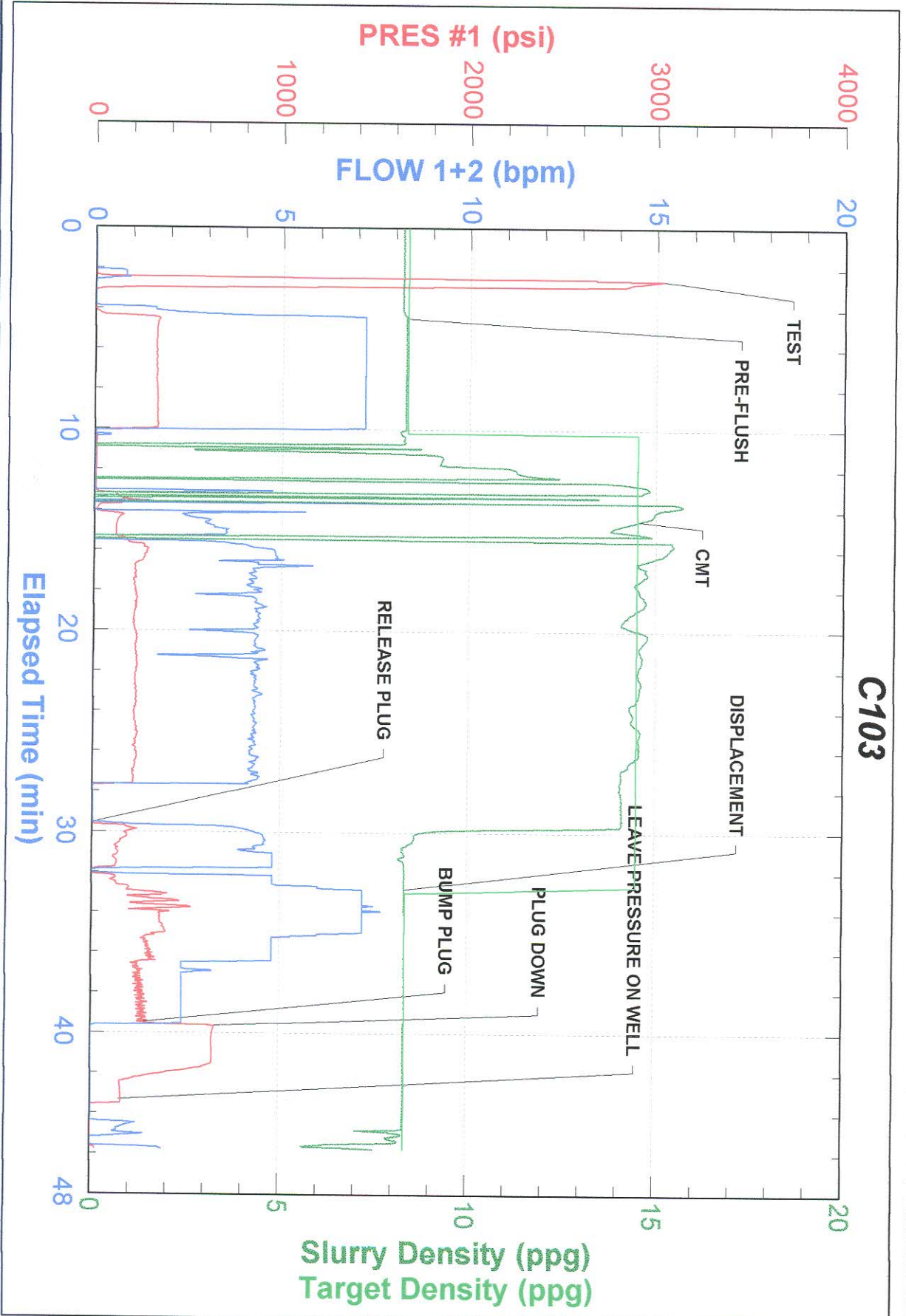
EXPLANATION

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 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		20023075 - 00201580		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 :				
07		26	2012		BARLEN M JOYNER	0512333930000	New Well				
DISTRICT		BJS, BRIGHTON		JOB DEPTH (ft)		WELL CLASS :					
				713		Gas					
WELL NAME AND NUMBER		ARISTOCRAT ANGUS #4-6-4		TD WELL DEPTH (ft)		GAS USED ON JOB :					
				725		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			
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.					
		07	27	2012	01:01						
CUSTOMER REP.		Terry Leighton					SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.				
							CUSTOMER AUTHORIZED AGENT				
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS							BHI APPROVED				
							X				
							X				

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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 :				
07		07	26	2012	BARLEN M JOYNER	05123339930000	New Well				
DISTRICT		BJS, BRIGHTON		JOB DEPTH (ft)		WELL CLASS :					
				713		Gas					
WELL NAME AND NUMBER		ARISTOCRAT ANGUS #46-4		TD WELL DEPTH (ft)		GAS USED ON JOB :					
				725		No Gas					
WELL LOCATION :		LEGAL DESCRIPTION		COUNTY/PARISH		STATE		JOB TYPE CODE :			
		4-3N-6SW		Weid		Colorado		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	2	57.500	115.00	0%	115.00				
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	56	8.550	478.80	55%	215.46				
J391	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						
07		07	27	2012	01:01						
CUSTOMER REP.		Terry Leighton									
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									