

CEMENT JOB REPORT



CUSTOMER ENCANA OIL & GAS (USA) INC			DATE 04-AUG-12		F.R. # 1001927378		SERV. SUPV. CHRISTOPHER M MCKEON							
LEASE & WELL NAME ARISTOCRAT ANGUS #1-4 - API 05123334680000			LOCATION 4-3N-65W			COUNTY-PARISH-BLOCK Weld Colorado								
DISTRICT Brighton			DRILLING CONTRACTOR RIG # ENSGN 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		Cement Basket, Slip On, 8-5/8 in												
		Centralizer, with Pins, 8-5/8 in												
		Alum Baffle Plate, Slip On, 8-5/8												
		Guide Shoe, Cement Nose, 8-5/8 in												
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	8.34	0	0	00:00	42.7				
Fresh Water + Dye					0	8.34	0	0	00:00	10				
Type III + 1.5% CaCl ₂ + 1.5% CF					275	14.5	1.41	6.82	02:30	69.05	44.77			
Fresh Water					0	8.34	0	0	00:00	30				
Available Mix Water 150 Bbl.			Available Displ. Fluid 150 Bbl.			TOTAL			151.75	44.77				
HOLE			TBG-CSG-D.P.					COLLAR DEPTHS						
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
12.25	40	722	8.097	8.625	24	CSG	712	712	J-55	712	670			
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.
12.			OPEN HOLE	722	722	No packer			0	0	8.625	8RD	WATER BASED	9.6
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	BBLS	Fresh Water	8.34	214	0	0	0	0	2368	1000	Rig Tank			
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 1			Circulation Rate: 5 BPM					
Mud Density In: 9.6 LBS/GAL Mud Density Out: 9.6 LBS/GAL						PV & YP Mud In: 0			PV & YP Mud Out: 0					
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: .75 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 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: NA														

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) NA	
Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC) NA	
Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC) NA	

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	2369 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
12:20	0	0	0	0	NA	Arrive location	
12:25	0	0	0	0	NA	Spot trucks	
12:30	0	0	0	0	NA	Rig up safety meeting	
13:00	0	0	0	0	NA	Pre job safety meeting	
13:32	596	0	0	0	H2O	Low pressure test	
13:33	2369	0	0	0	H2O	High pressure test	
13:34	144	0	6	30	H2O	Fresh water	
13:41	150	0	6	10	H2O	Dye spacer	
13:45	105	0	4	65	CMT	Batch up, weigh and pump 275 sx. Type III Cement @ 14.5 ppg.	
14:03	0	0	0	0	NA	Drop plug	
14:05	208	0	4.8	30	H2O	Start displacement	
14:10	215	0	3.6	5	H2O	Rate change	
14:12	213	0	2.4	7	H2O	Rate change	
14:15	225	0	2.4	42	H2O	Bump plug	
14:17	926	0	0	0	NA	Plug down	
14:20	0	0	0	0	NA	Rig down safety meeting	
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	225	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	8	147	0	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	

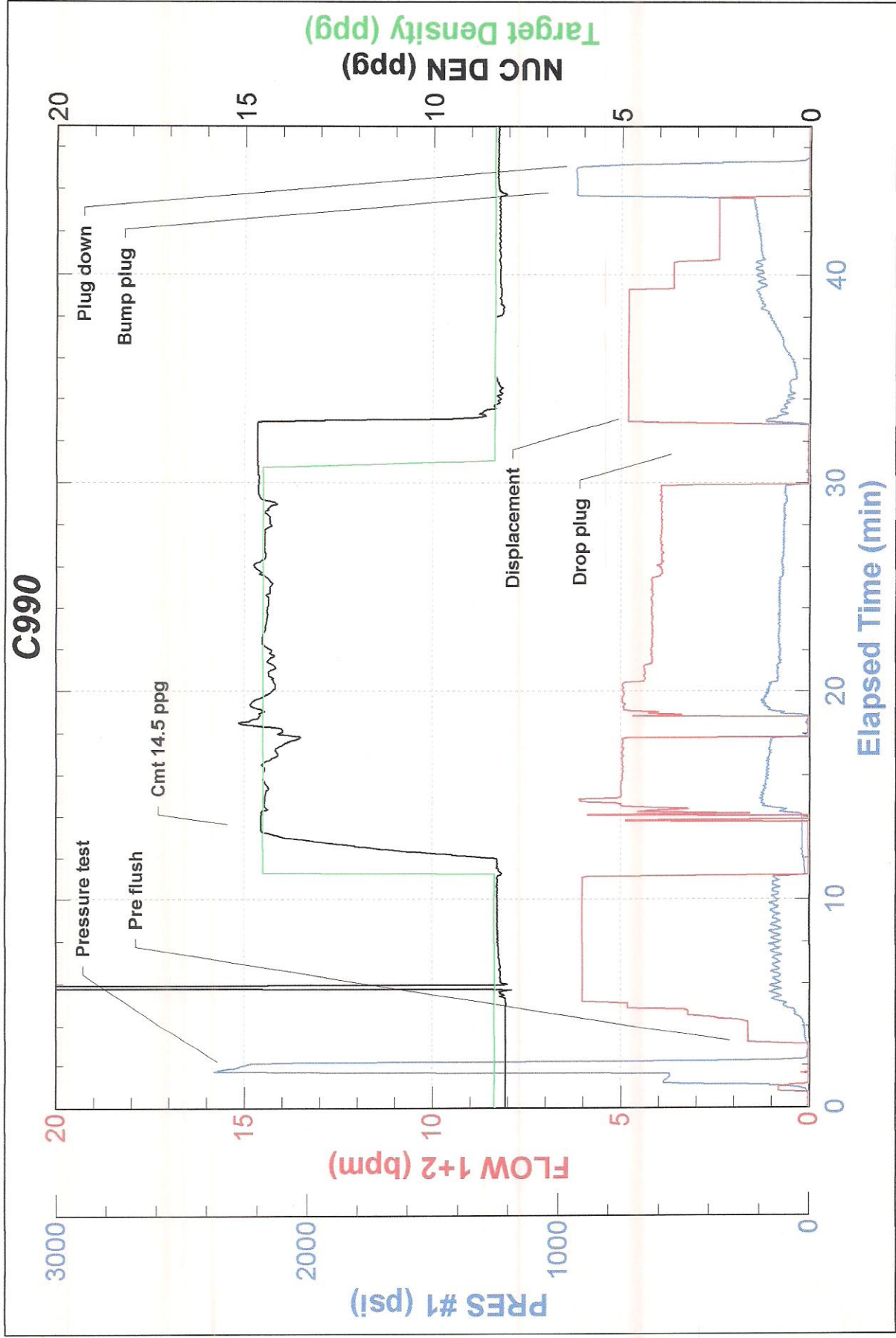


BJ Services JobMaster Program Version 3.50

Job Number: 1001927378

Customer: EnCana

Well Name: Aristocrat Angus 1-4





FIELD RECEIPT NO. 1001927378

CUSTOMER ENCANA OIL & GAS (USA) INC - X				CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER 20023075 - 00201580		INVOICE NUMBER	
MAIL STREET OR BOX NUMBER 370 17TH ST, STE 1700 US BANK TOWER				CITY DENVER		STATE Colorado		ZIP CODE 80202			
DATEWORK COMPLETED MO. 08 DAY 04 YEAR 2012		BHI REPRESENTATIVE CHRISTOPHER M MCKEON		WELL API NO. 05123334680000		WELL TYPE : New Well					
DISTRICT BJS, BRIGHTON				JOB DEPTH (ft) 712		WELL CLASS : Gas					
WELL NAME AND NUMBER ARISTOCRAT ANGUS #1-4				TD WELL DEPTH (ft) 722		GAS USED ON JOB : No Gas					
WELL LOCATION : LEGAL DESCRIPTION 4-3N-65W		COUNTY/PARISH Weld		STATE Colorado		JOB TYPE CODE : Surface					
PRODUCT CODE	DESCRIPTION			UNIT OF MEASURE	QUANTITY	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		
488019	FP-6L			gals	2	93.500	187.00	55%	84.15		
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							9,287.26	55.00%	4,179.27		
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. 08 DAY 04 YEAR 2012 TIME 12:20				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. Terry Leighton				CUSTOMER AUTHORIZED AGENT X <i>[Signature]</i>							
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS				CUSTOMER AUTHORIZED AGENT X <i>[Signature]</i>							



FIELD RECEIPT NO. 1001927373

CUSTOMER ENCANA OIL & GAS (USA) INC - X				CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER 20023075 - 00201580		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 08 04 2012		MO. DAY YEAR		BHI REPRESENTATIVE CHRISTOPHER M MCKEON		WELL API NO. 05123334680000		WELL TYPE : New Well			
DISTRICT BJS, BRIGHTON				JOB DEPTH (ft) 712		WELL CLASS : Gas					
WELL NAME AND NUMBER ARISTOCRAT ANGUS #1-4				TD WELL DEPTH (ft) 722		GAS USED ON JOB : No Gas					
WELL LOCATION :		LEGAL DESCRIPTION 4-3N-65W		COUNTY/PARISH Weld		STATE Colorado		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	3,250.00	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				17,864.17	54.18%	8,185.73

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8715
618

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.
CUSTOMER REP.	08 04 2012	12:20		
Terry Leighton			CUSTOMER AUTHORIZED AGENT	
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS			BHI APPROVED	