

# CEMENT JOB REPORT



CUSTOMER ENCANA OIL & GAS (USA) INC		DATE 17-MAY-13	F.R. # 1001988538	SERV. SUPV. FELIPE LANDA								
LEASE & WELL NAME ARISTOCRAT ANGUS #3-3 - API 05123343320000		LOCATION 3-3N-65W		COUNTY-PARISH-BLOCK Weld Colorado								
DISTRICT Brighton		DRILLING CONTRACTOR RIG # ENSGN 122		TYPE OF JOB Long String								
SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES MD TVD							
Cement Plug, Rubber, Top 4-1/2 in	Cement Basket, Slip On, 4-1/2 in											
	Centralizer, with Pins, 4-1/2 in											
	Float Collar, Auto Fill, 4-1/2 - 8rd											
	Float Shoe 4-1/2 - 8rd											
PHYSICAL SLURRY PROPERTIES												
MATERIALS FURNISHED BY BJ	LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT <sup>3</sup>	WATER GPS							
50:50:3+.6%FL52+.1%SMS+20%SF		160	13.5	1.71	8.30							
ClayCare Water	0	0	8.4	0	00:00							
PLC+.2%CD32+.7%FL52+6%Gel+.2%ASA301+3#/skC		375	12.5	2.00	10.90							
Mud Clean I	0	0	8.34	0	00:00							
Freshwater	0	0	8.34	0	00:00							
Surfactant Wash	0	0	8.34	0	00:00							
Available Mix Water 300 Bbl.	Available Displ. Fluid 300 Bbl.	TOTAL			377.40 128.75							
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS						
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
7.875		7458	4	4.5	11.6	CSG	7447	7447	N-80	7447	7412	
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.
8.1	8.63	24	CSG	757	757	NO PACKER	0	0	0	4.5	8RD	9.5
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		
115.2	BBLS	ClayCare Water	8.4	1020	0	0	0	0	6224	3000	FRAC TANK	
Circulation Prior to Job												
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 1			Circulation Rate: 4 BPM			
Mud Density In: 9.5 LBS/GAL Mud Density Out: 9.5 LBS/GAL						PV & YP Mud In: 12			PV & YP Mud Out: 12			
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: 2 BBLS						
Returns During Job: <input type="checkbox"/> NONE <input checked="" type="checkbox"/> PARTIAL <input 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 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: 32			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 checked="" 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			
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE												

# CEMENT JOB REPORT



## 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

## 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)  
 NOT HAVING GOOD RETURNS BECAUSE OF RIGS RETURN LINE, RETURNS COMING OUT OF WRONG PLACE

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 4503 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
13:15	0	0	0	0	NA	YARD CALL
16:04	0	0	0	0	NA	ARRIVE ON LOCATION
17:00	0	0	0	0	NA	SPOT TRUCKS/ PRE RIG UP SAFETY MEETING
17:30	0	0	0	0	NA	SAFETY MEETING
17:57	112	0	1.6	2	H2O	LOAD LINES
18:00	2443	0	0	0	H2O	LOW PRESSURE TEST
18:02	4503	0	0	0	H2O	HIGH PRESSURE TEST
18:04	366	0	6	20	H2O	MUD CLEAN 1 SPACER
18:09	450	0	6	20	H2O	SURFACTANT SPACER
18:13	563	0	6	40	H2O	FRESH WATER SPACER
18:22	156	0	6.2	132	LEAD	BATCH UP WEIGHT 375 SKS OF PLC + 0.2% CD-32 + 0.7% FL-52 + 0.2% + ASA-301 + 6% BENTONITE + 3LB/SKS CSE -2 @ 12.5 PPG
18:45	161	0	5	49	TAIL	160 SKS 50:50 POZ (FLY ASH) "G" + 0.6% FL-52 + 3% BENTONITE + 0.1% SMS + 20% SILICA FLOUR @ 13.5 PPG
18:58	0	0	0	0	NA	DROP PLUG
19:08	91	0	6	70	H2O	DISPLACE
19:21	200	0	0	0	H2O	SHUT DOWN ( RIG HAVING ISSUES WITH THERE RETURN LINES FLOW COMING OUT UNDER CAT WALK)
19:25	300	0	3.6	20	H2O	RATE CHANGE
19:30	1284	0	3	10	H2O	RATE CHANGE
19:42	2569	0	0	115	H2O	BUMP PLUG @ 115 BBLs
19:48	0	0	0	0	NA	CHECK FLOATS
19:55	0	0	0	0	NA	POST JOB 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	2569	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	376	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<i>Tepi Tsch</i>

*+ Ryan*



Baker Hughes JobMaster Program Version 3.60

Job Number: 1001988538

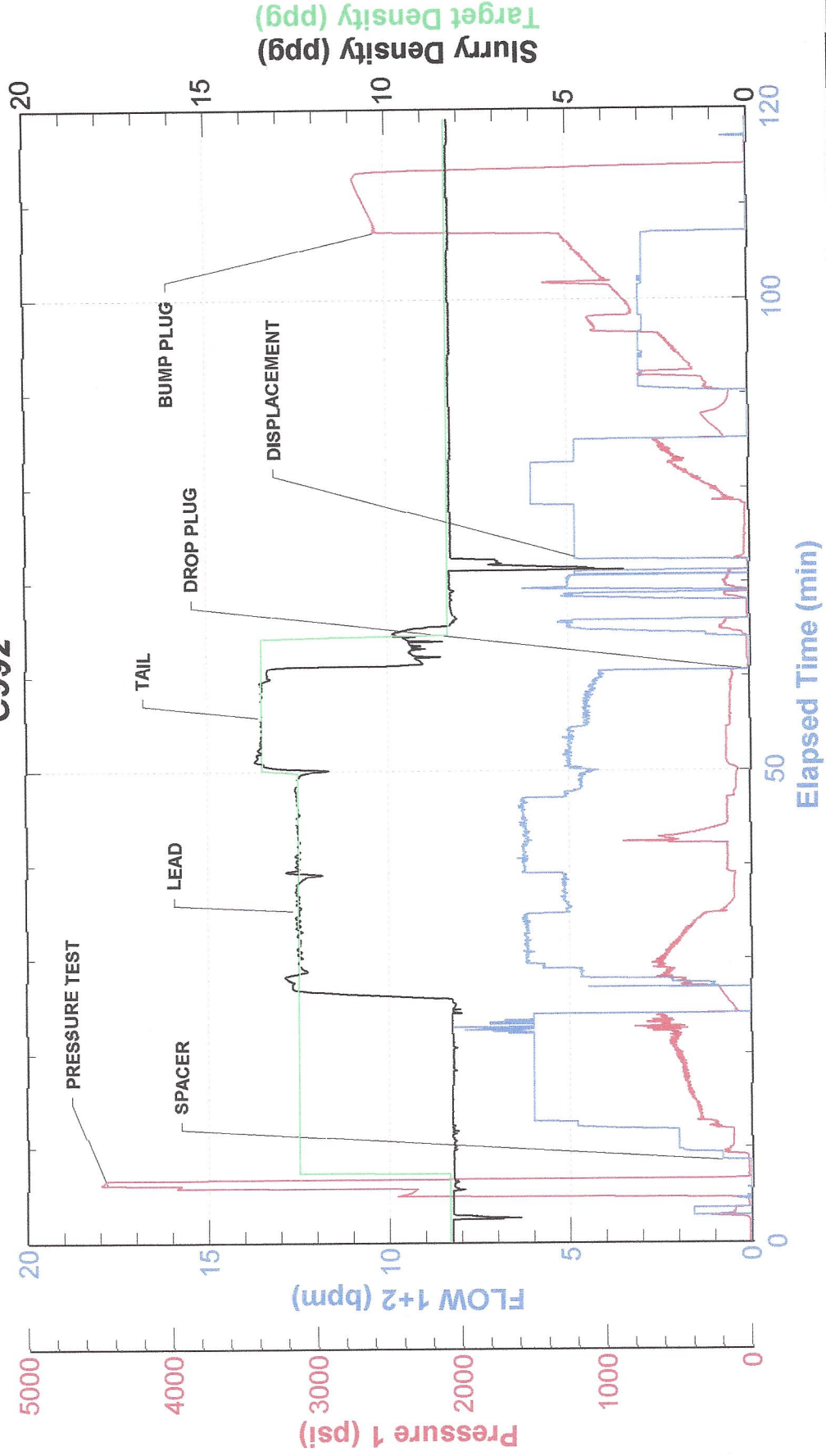
Customer: ENCANA

Well Name: ARISTOCRAT ANGUS 3-3

Target Density (ppg)

8.34

C992





FIELD RECEIPT NO. 1001988538

CUSTOMER ENCANA OIL & GAS (USA) INC - XML				CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER 0040055117 - 0040056573		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. 05	DAY 17	YEAR 2013	BHI REPRESENTATIVE FELIPE LANDA		WELL API NO: 05123343320000		WELL TYPE : New Well		
DISTRICT BJ'S, BRIGHTON					JOB DEPTH (ft) 7,447		WELL CLASS : Gas				
WELL NAME AND NUMBER ARISTOCRAT ANGUS #3-3					TD WELL DEPTH (ft) 7,458		GAS USED ON JOB : No Gas				
WELL LOCATION :		LEGAL DESCRIPTION 3-3N-65W			COUNTY/PARISH Weld		STATE Colorado		JOB TYPE CODE : Long String		
PRODUCT CODE	DESCRIPTION				UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT	
100021	Class G Cement				sacks	80	27.000	2,160.00	65%	756.00	
100120	Bentonite				lbs	2362	0.470	1,110.14	65%	388.55	
100121	Silica Flour				lbs	2688	0.500	1,344.00	65%	470.40	
100275	Sodium Metasilicate				lbs	14	3.670	51.38	65%	17.98	
100317	Poz (Fly Ash)				sacks	80	12.000	960.00	65%	336.00	
398110	Mud Clean I				gals	840	1.510	1,268.40	65%	443.94	
398224	Premium Lite Cement				sacks	375	21.850	8,193.75	65%	2,867.81	
488013	CD-32				lbs	66	11.900	785.40	65%	274.89	
488015	FL-52				lbs	310	24.100	7,471.00	65%	2,614.85	
488019	FP-6L				gals	5	93.500	467.50	65%	163.63	
488353	CSE-2				lbs	1125	1.510	1,698.75	65%	594.56	
488555	GasFlo G2, tote				gals	2	118.000	236.00	65%	82.60	
488584	NE-945, tote				gals	1	135.000	135.00	65%	47.25	
498702	ClayCare, Clay Treat-2C, 260 gal tote				gals	5	90.000	450.00	65%	157.50	
498705	ASA-301				lbs	66	18.150	1,197.90	65%	419.27	
498789	FAW-4				gals	2	115.000	230.00	65%	80.50	

ARRIVE LOCATION : MO. 05 DAY 17 YEAR 2013 TIME 16:04

CUSTOMER REP. ROY HUNT

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

*[Signature]*

SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.

CUSTOMER AUTHORIZED AGENT

X

SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS



FIELD RECEIPT NO. 1001988538

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MAIL STREET OR BOX NUMBER 370 17TH ST, STE 1700 US BANK TOWER				CITY DENVER		STATE Colorado		ZIP CODE 80202			
DATE WORK MO. 05 DAY 17 YEAR 2013		BHI REPRESENTATIVE FELIPE LANDA		WELL API NO. 05123343320000		WELL TYPE : New Well					
COMPLETED				JOB DEPTH (ft) 7,447		WELL CLASS : Gas					
DISTRICT BJS, BRIGHTON				TD WELL DEPTH (ft) 7,468		GAS USED ON JOB : No Gas					
WELL NAME AND NUMBER ARISTOCRAT ANGUS #3-3				STATE Colorado		JOB TYPE CODE : Long String					
WELL LOCATION : 3-3N-65W		COUNTY/PARISH Weld									
PRODUCT CODE		DESCRIPTION		UNIT OF MEASURE		QUANTITY		LIST PRICE UNIT		% DISC.	
		SUB-TOTAL FOR Product Material								27,759.22	
A152		Personnel Surcharge - Cement Svc		ea		1		152.000		0%	
M100		Bulk Materials Blending Charge		cu ft		669		3.930		65%	
		SUB-TOTAL FOR Service Charges								2,781.17	
F017A		Cement Pumping, 7001 - 8000 ft		6hrs		1		8,550.000		65%	
F090		Fuel per pump charge - cement		pump/hr		4		57.500		0%	
J050		Cement Head		job		1		595.000		65%	
J225		Data Acquisition, Cement, Standard		job		1		1,540.000		65%	
J390		Mileage, Heavy Vehicle		miles		56		8.550		65%	
J391		Mileage, Auto, Pick-Up or Treating Van		miles		56		4.830		65%	
		SUB-TOTAL FOR Equipment								11,664.28	
J401		Bulk Delivery, Dry Products		ton-mi		740		2.850		65%	
		SUB-TOTAL FOR Freight/Delivery Charges								2,109.00	
										4,232.00	
										9,715.73	
										152.00	
										920.21	
										1,072.21	
										2,992.50	
										230.00	
										208.25	
										539.00	
										167.58	
										94.67	
										4,232.00	
										738.15	
										738.15	

ARRIVE LOCATION : MO. 05 DAY 17 YEAR 2013 TIME 16:04

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PRODUCT CODE		DESCRIPTION		UNIT OF MEASURE		QUANTITY		LIST PRICE UNIT	
		FIELD ESTIMATE						GROSS AMOUNT 44,313.67	
								% DISC. 64.44%	
								NET AMOUNT 15,758.09	

10139439  
8715  
416  
Ray

ARRIVE LOCATION :	MO. : 05	DAY : 17	YEAR : 2013	TIME : 16:04
CUSTOMER REP. : ROY HUNT				
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