

CEMENT JOB REPORT



CUSTOMER ENCANA OIL & GAS (USA) INC		DATE 20-NOV-12	F.R. # 1001948964	SERV. SUPV. STEPHEN J CARDOS	
LEASE & WELL NAME ARISTOCRAT ANGUS #6-4-4 - API 0512334136000		LOCATION 4-3N-65W		COUNTY-PARISH-BLOCK Weld Colorado	
DISTRICT Brighton		DRILLING CONTRACTOR RIG # ENSIGN 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, AI Flap, 4-1/2 - 8rd	/	/	/	/	/	/
	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 ³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER	
50:50:3+.6%FL52+.1%SMS+20%SF	C1106912	180	13.5	1.71	8.30	04:39	47.01	30.42	
ClayCare Water	N/A	0	8.4	0	0	00:00	116.56	/	
PLC+.2%CD32+.7%FL52+6%Gel+.2%ASA301+3#/skC	C1106912	370	12.5	2.00	10.90	05:05	156.44	113.95	
Mud Clean I	N/A	0	8.34	0	0	00:00	20	/	
Freshwater	N/A	0	8.34	0	0	00:00	40	/	
Surfactant Wash	N/A	0	8.34	0	0	00:00	20	/	
Available Mix Water 300 Bbl.	Available Displ. Fluid 200 Bbl.	TOTAL					400.01	144.37	

HOLE			TBG-CSG-D.P.					COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
7.875	10	7539	4	4.5	11.6	CSG	7539	7457	N-80	7468	7444	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.	
8.1	8.63	24	CSG	850	850	NO PACKER	0	0	0	4.5	8RND	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	
116.5	BBLs	ClayCare Water	8.4	638	0	0	0	0	6224	3000	RIG TANK

Circulation Prior to Job			
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>		Circulation Time: 1 Circulation Rate: 6 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: 1 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 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 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:		Competition:	
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES Quantity:	
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	
		Top of Plug: FT Bottom of Plug: 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:	Fluid Weight: LBS/GAL

NONE

CEMENT JOB REPORT



Casing Test (Update Original Treatment Report for Primary Job)

Casing Test Pressure: PSI With LBS/GAL Mud Time Held: Hours Minutes

Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: FT Target EMW: LBS/GAL Actual EMW: LBS/GAL

Number of Times Tests Conducted: Mud Weight When Test was Conducted: LBS/GAL

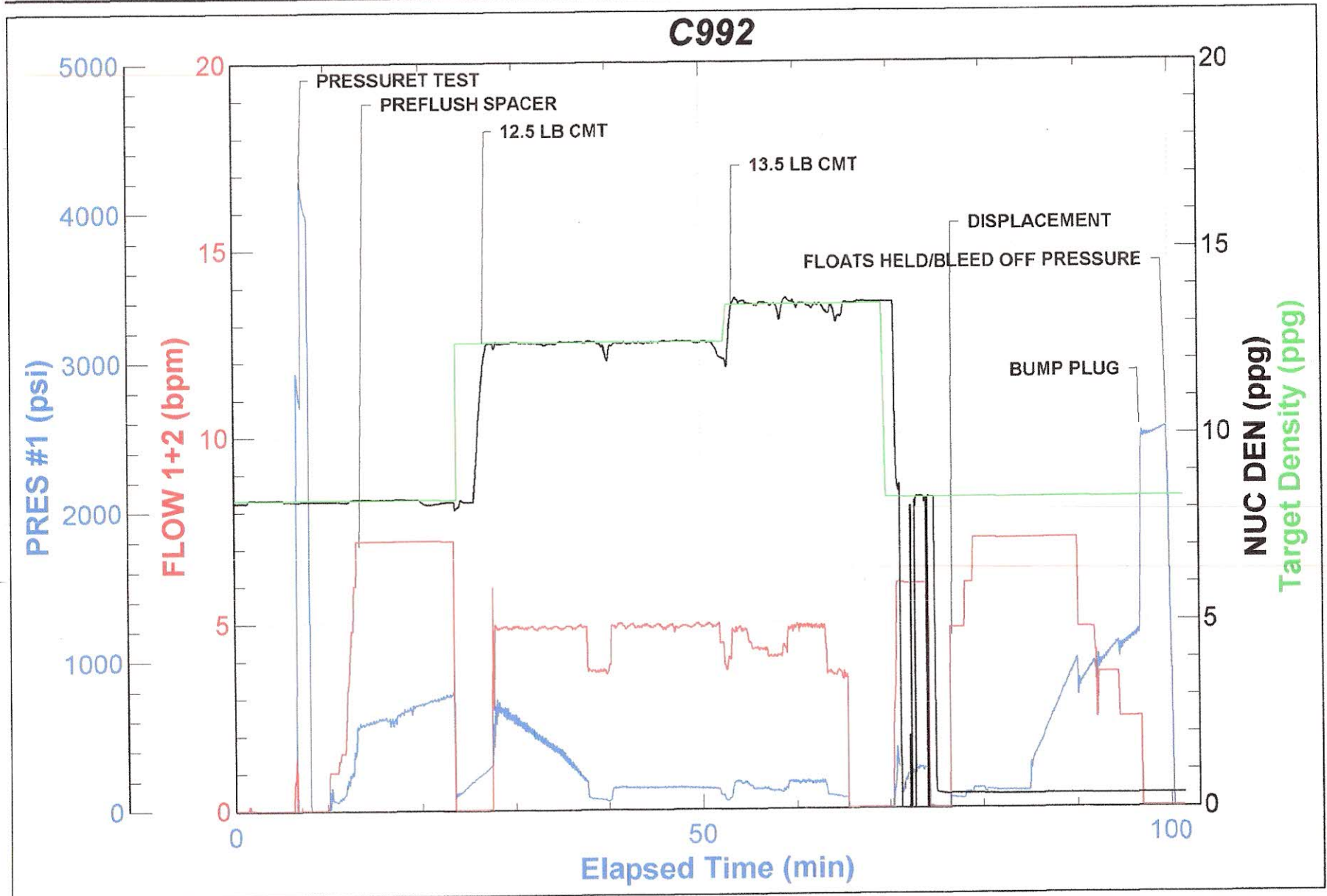
Problems Before Job (I.E. Running Casing, Circulating Well, ETC)
NONE

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

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING:

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	4170 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
05:22	0	0	0	0	N/A	ARRIVE ON LOCATION	
05:28	0	0	0	0	N/A	SPOT TRUCKS	
05:38	0	0	0	0	N/A	PRE RIG UP SAFETY MEETING	
06:28	0	0	0	0	N/A	SAFETY MEETING	
06:46	4170	0	0	0	H2O	PRESSURE TEST	
06:51	588	0	7.2	20	H2O	MUD CLEAN SPACER	
06:58	596	0	7.2	20	H2O	SURFACTANT WASH SPACER	
07:00	657	0	7.2	40	H2O	FRESH WATER SPACER	
07:08	143	0	4.9	124	CMT	BATCH/WEIGH/PUMP 12.5 LB CMT	
07:36	136	0	4.2	54	CMT	BATCH/WEIGH/PUMP 13.5 LB CMT	
07:46	0	0	0	0	H2O	DOWN/DROP PLUG/WASH UP	
07:58	947	0	7.2	90	H2O	DISPLACEMENT	
08:12	958	0	4.8	10	H2O	DROP RATE	
08:14	1103	0	3.6	10	H2O	DROP RATE	
08:17	1206	0	2.4	6	H2O	DROP RATE	
08:20	2495	0	0	0	H2O	DOWN/BUMP PLUG	
08:24	0	0	0	0	H2O	TEST FLOATS/BLEED OF PRESSURE/JOB DONE	
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	1206	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	394	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<i>[Signature]</i> <i>[Signature]</i>





FIELD RECEIPT NO. 1001948964

CUSTOMER ENCANA OIL & GAS (USA) INC - X				CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER 20023075 - 00201580		INVOICE NUMBER	
MAIL INVOICE TO : STREET OR BOX NUMBER 370 17TH ST, STE 1700 US BANK TOWER				CITY DENVER		STATE Colorado		ZIP CODE 80202			
DATE WORK COMPLETED MO. 11 DAY 20 YEAR 2012		BHI REPRESENTATIVE STEPHEN J CARDOS		WELL API NO: 05123341360000		WELL TYPE : New Well					
DISTRICT BJS, BRIGHTON				JOB DEPTH (ft) 7,492		WELL CLASS : Gas					
WELL NAME AND NUMBER ARISTOCRAT ANGUS #6-4-4				TD WELL DEPTH (ft) 7,507		GAS USED ON JOB : No Gas					
WELL LOCATION : LEGAL DESCRIPTION 4-3N-65W		COUNTY/PARISH Weld		STATE Colorado		JOB TYPE CODE : Long String					

PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
100021	Class G Cement	sacks	✓ 90	27.000	2,430.00	65%	850.50
100120	Bentonite	lbs	✓ 2386	0.470	1,121.42	65%	392.50
100121	Silica Flour	lbs	✓ 3024	0.500	1,512.00	65%	529.20
100275	Sodium Metasilicate	lbs	✓ 16	3.670	58.72	65%	20.55
100317	Poz (Fly Ash)	sacks	✓ 90	12.000	1,080.00	65%	378.00
398110	Mud Clean I	gals	✓ 840	1.510	1,268.40	65%	443.94
398224	Premium Lite Cement	sacks	✓ 370	21.850	8,084.50	65%	2,829.58
488013	CD-32	lbs	✓ 65	11.900	773.50	65%	270.73
488015	FL-52	lbs	✓ 317	24.100	7,639.70	65%	2,673.90
488019	FP-6L	gals	✓ 5	93.500	467.50	65%	163.63
488353	CSE-2	lbs	✓ 1110	1.510	1,676.10	65%	586.64
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
499702	ClayCare, Clay Treat-2C, 260 gl tote	gals	✓ 5	90.000	450.00	65%	157.50
499705	ASA-301	lbs	✓ 65	18.150	1,179.75	65%	412.91
499789	FAW-4	gals	✓ 2	115.000	230.00	65%	80.50

ARRIVE LOCATION : MO. 11 DAY 20 YEAR 2012 TIME 05:22

CUSTOMER REP. WES HARRISON

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


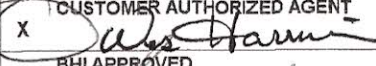
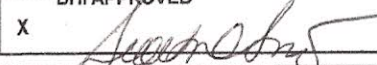


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PRODUCT CODE	DESCRIPTION				UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT	
A152	SUB-TOTAL FOR Product Material							28,342.59	65.00%	9,919.93	
M100	Personnel Surcharge - Cement Svc				ea	1	152.000	152.00	0%	152.00	
	Bulk Materials Blending Charge				cu ft	684	3.930	2,688.12	65%	940.84	
	SUB-TOTAL FOR Service Charges							2,840.12	61.52%	1,092.84	
F017A	Cement Pumping, 7001 - 8000 ft				6hrs	1	8,550.000	8,550.00	65%	2,992.50	
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	65%	208.25	
J225	Data Acquisition, Cement, Standard				job	1	1,540.000	1,540.00	65%	539.00	
J390	Mileage, Heavy Vehicle				miles	56	8.550	478.80	65%	167.58	
J391	Mileage, Auto, Pick-Up or Treating Van				miles	56	4.830	270.48	65%	94.67	
	SUB-TOTAL FOR Equipment							11,549.28	64.35%	4,117.00	
J401	Bulk Delivery, Dry Products				ton-mi	763	2.850	2,174.55	65%	761.09	
	SUB-TOTAL FOR Freight/Delivery Charges							2,174.55	65.00%	761.09	
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CUSTOMER REP. WES HARRISON					CUSTOMER AUTHORIZED AGENT X						
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS					BHI APPROVED X						



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PRODUCT CODE		DESCRIPTION				UNIT OF MEASURE		QUANTITY		LIST PRICE UNIT		GROSS AMOUNT		% DISC.		NET AMOUNT	
		FIELD ESTIMATE										44,906.54		64.61%		15,890.86	
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