Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 3						#: 294266			Quote #: Sales Order #: 9738598											
Customer:	Customer: ENCANA OIL & GAS (USA) INC EBUS Customer Rep: Millins, Greg																			
Well Name:	Vell Name: J&A Associates 11HWell #: 1API/UWI #: 1513525431																			
Field:						IESS CIT				rish: N	ess			St	ate:	Kansa	S			
Legal Desc	riptio	n: Sec	tion 11	Tow	nship	18S Rai	nge 2	21W	1											
Contractor:	Prec	ision				Rig/Platf	orm	Nan	ne/Nun	n: 209)									
Job Purpos	e: Ce	ement	Produc	ction L	iner															
Well Type:			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		***************************************	Job Typ	e: Ce	emei	nt Prod	uction L	iner								***************************************	
Sales Perso				ΓER		Srvc Su					~~~~		MBU II) Emp	o #:	44806	5			
						ANTHON	ΙΥ							-						
							•	Job	Persor	nnel										
HES Em		e E	xp Hrs			HES			ie E	xp Hrs	Emp :			S Emp			Exp l	Irs	Emp	#
JOURNAGA	۸N,		6	5242	224	LUONG,	MOU	NΝ		6	497077	7	RALST		NTH)	YNC	6		44806	35
MICHAEL D	LDDA	DV	6	4072	147								Kennet	h	***************************************					
REDFEARN Tanner	I, BKA	י אַ ט	6	4973) /															
Tarrici		L.		L				Fa	uipme	nt		L					L	<u>L</u>		
HES Unit #	Dist	ance-1	wav	HES	Unit #	# Distai	nce-1		·	S Unit	# Dis	tan	ce-1 wa	ıv I H	IES L	Unit # Distance-			e-1 wa	av
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	· (Jo	b Hou	rs		.,					L			
Date	On I	ocatio	on Or	perati	na	Date			ocation		erating	Т	Dat	e	On	Locati	on	Оp	eratin	ıa
		lours		Hours	~				ours	1 '		ı				Hours		•	Hours	
08/19/2012		6		6																
TOTAL				*****	~~~~				Total	is the su	um of ea	ach	column	separa	ately					
				Job					anti jak					Job '	Time	S			Websel.	
Formation N														Date		Tim	ie	Tin	ne Zor	1e
Formation D	epth (MD) T	ор			Botto	m	.,			d Out		ļ							
Form Type					внѕт			<u> </u>			ocation		ļ			-				
Job depth M	D	8	545. ft			b Depth TVD		8545. f			started									
Water Depth		(14D) E		l	WK H	t Above F			25. ft		Job Completed Departed Loc		30	Jul - 20	012	02:0	00		GMT	
Perforation [eptn	(MD)F	rom			То		34	(- II D-4		rted Lo	<u> </u>				<u> </u>	L			
Danasisatio	T	Name 1	B.A.		C:	In	14/-:-		ell Dat				rade	T /	NAD.	D-44			D-44	
Description	ווכ	New / Used	Ma	1	Size in	ID in	Weig Ibm	- 1		Thread		G	rage	Top !	1	Bottor MD	1	op VD	Botto TVI	
		Osea	press	1	***	111	ווומו	/11						11		ft	- 1	ft	ft	
Production L	iner		PO	9		6.125								471	1.	8564.		240.	424	
Open Hole																				
Intermediate Casing	l	Jnknov n	v		7.	6.366	23					١	1-80			4711.		•	424	0.
Production L	iner	New			4.5	4.	11.	6	U	Inknown				441	2.	8541.	42	240.	424	0.
Drill Pipe		New			3.5	2.992	10.			Inknown						4412.				
										essorie										
Туре	Size	Qty	Make	Dep		Type	Siz	e	Qty	Make	Depth		Тур			ize	Qt	у	Mal	
Guide Shoe						acker	ļ						p Plug		4	1/2	1		Bak	er
Float Shoe						ridge Plug	<u> </u>	_					ottom P				.,			
Float Collar				ļ	Re	etainer	-						SR plug		ļ	1/			D - 1	
Insert Float							-				-		ug Con		4	1/2	1		Bak	.er
Stage Tool		<u> </u>	C 18 7 (2.5)	L			1:	alla		Matari-	la .	UE	entraliz	ers					<u></u>	
Calling Art		T	- Jo-	nc					ieous I	Materia		- I A	aid T.			<u></u>		- i	Sans	0/
Gelling Agt Treatment Fl	d	-	Co Co			Surfa Inhibi							Acid Type Sand Type			Qty Size			Conc Qty	%
i i Catiffett [1]	<u> </u>		00			humbi	.01			JOOI	10	10.	unu 19	<u>, c</u>		SIZ	<u>. </u>		kry	

		Fluid Data	기업은 및 교장이 보고 있다.	<u> 많은 11일 중요 하다. 그리고 하다 하다. 함</u>	
Stage/Plug #: 1	솔루션 하게 나는 사람이 하다.				

Cementing Job Summary

Fluid	luid Stage Type Fluid Name		Qty	Qty	Mixing	Yield	Mix	Rate	Tot	al Mix				
#								uom	Density	ft3/sk	Fluid	bbl/min	Fluid	l Gal/sk
									lbm/gal	(al/sk			
1	Rig Water						60.00	bbl	8.33	.0	.0	5		
2	EconoCem	1	EC	ONOCEM (TM) SY	STEM (452	2992)	470.0	sacks	13.6	1.53	7.41	5	7	7.41
	0.4 %		HAI	LAD(R)-9, 50 LB (1	00001617)		······································			 		1		
0.25 lbm POLY-E-FLAKE (101216940)														
2 % BENTONITE, BULK (100003682)								······		p,				
7.41 Gal FRESH WATER														
3	Fresh Water (TBC)					103	bbl	8.33	.0	.0	5			
Ca	Iculated V	alues		Pressur	es		Mark III.		ν	olumes		Telefolia.	化电子电	à vài
Displa	cement	103	3	Shut In: Instant	Lost Re		eturns	NO	Cement S	Slurry	128	Pad	1	
Top Ot	Cement	439	8	5 Min		Cement		50	Actual Displacement		103	Treatn	nent	
Frac G	radient		15 Min		Spacers		60	Load and Breakdown			Total	lob	291	
						R	ates							
Circu	lating			Mixing	5	i	Displac	ement	5		Avg. Job			5
Cem	ent Left In I	Pipe	Am	ount 43.86ft Rea	son Shoe	Joint								
Frac F	Ring # 1 @		ID	Frac ring # 2	@ 1	D	Frac Rin	g#3@0	11	D Fra	c Ring	#4@		ID
Tł	ne Informa	ation	Sta	ited Herein Is C	orrect	Custom	er Berreso	ntative Si	gnature)	2				

Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 340078	Ship To #: 294	2664	C	Quote #:		Sales Order #: 9738598
Customer: ENCANA OIL &	GAS (USA) INC	EBUS		Customer Rep: Millins,	Greg	
Well Name: J&A Associate	s 11H	Well	#: 1		API/U	VI #: 1513525431
Field:	City (SAP): NESS	OTT	County/F	Parish: Ness		State: Kansas

Srvc Supervisor: RALSTON, ANTHONY MBU ID Emp #: 448065

Legal Description: Section 11 Township 18S Range 21W

Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs. Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.

Contractor: Precision Rig/Platform Name/Num: 209

Job Purpose: Cement Production Liner Ticket Amount:

Well Type: Development Well Job Type: Cement Production Liner

Sales Person: DAIGLE, COLTER

Activity Description	Date/Time	Cht	Rate bbl/ min		ume bl	Pres ps	sure sig	Comments
		#		Stage	Total	Tubing	Casing	
Call Out	08/19/2012 07:30							**MORNING SAFETY MEETING @ 0800**
Pre-Convoy Safety Meeting	08/19/2012 09:20							DISCUSS ROUTES, FOLLOWING DISTANCE, AND COMPLETED JOURNEY MANAGMENT
Depart from Service Center or Other Site	08/19/2012 09:30							
Arrive At Loc	08/19/2012 15:00							ARRIVE ON LOCATION, RIG CIRCULATING
Assessment Of Location Safety Meeting	08/19/2012 15:05							ASSESS AND SPOT EQUIPMENT
Pre-Rig Up Safety Meeting	08/19/2012 15:10							DISCUSS PINCH POINTS, RED ZONE, TRIPPING HAZARDS, AND PPE; TOOK PART IN CUSTOMER SAFETY ORIENTATION
Pre-Job Safety Meeting	08/19/2012 17:00							DISCUSS RATES/PRESSURES/E MERGENCY PLAN/LEAKS AND HSE STANDARDS
Rig-Up Completed	08/19/2012 17:20							
Test Lines	08/19/2012 17:36							TEST LINES 6000 PSI, SMALL LEAK, SHUT DOWN BLED OF PRESSURE AND FIXED, RETESTED, TESTED GOOD.

Sold To #: 340078

Ship To #:2942664

Quote #:

Sales Order #:

9738598

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Cementing Job Log

Activity Description	Date/Time	Cht	Rate bbl/		ume bl	建点 人名德格克奇拉	sure sig	Comments	
		#	min	Stage	Total	Tubing	Casing		
Pump Water	08/19/2012 17:42		5	60			500.0	PUMP 60 BBLS FRESH WATER SPACER	
Pump Lead Cement	08/19/2012 17:57		5	128			650.0	PUMP 128 BBLS LEAD CMT, 13.6 PPG	
Shutdown	08/19/2012 18:20							SHUT DOWN, WASH PUMPS AND LINES	
Drop Plug	08/19/2012 18:25							3RD PARTY DROPPED TOP PLUG FOR LINER "BAKER"	
Pump Displacement	08/19/2012 18:28		5	103			120.0	PUMP 103 BBLS FRESH WATER DISPLACEMENT; SLOWED TO 2.5 @ 35 BBLS GONE, PRESSURES UP TO 1600 FOR PLUG, THEN PUSHES PLUG THROUGH TOOL, PRESSURE RETURNS TO 900 PSI	
Displ Reached Cmnt	08/19/2012 18:33							DISPLACEMENT REACHES CMT @ 25 BBLS, PRESSURE TO 800 PSI	
Bump Plug	08/19/2012 18:53							BUMP PLUG 800 PSI, TOOK PRESSURE TO 4K TO SET LINER	
Check Floats	08/19/2012 19:00							FLOATS HELD; 1.5 BBLS BACK	
Other	08/19/2012 19:05							RIG CIRCULATE WELL CLEAN, 50BBLS CMT BACK	
Pre-Rig Down Safety Meeting	08/19/2012 19:10							DISCUSS PINCH POINTS ,TRIPPING HAZARDS, PPE, WATER BREAKS AND FORKLIFT SAFETY	
Rig-Down Completed	08/19/2012 20:35								
Pre-Convoy Safety Meeting	08/19/2012 20:45							DISCUSS ROUTES, HOURS OF SERVICE, WILDLIFE, FOLLOWING DISTANCE, USED JOURNEY MANAGEMENT	
Activity Description	Date/Time	Cht	Rate bbl/ min	 In the first of the control of the con	ume bl		sure sig	Comments	

Sold To #: 340078 Ship To #:2942664 Quote #: Sales Order #: 9738598

Cementing Job Log

		# []	Stage	Total	Tubing	Casing	
Depart Location for Service	08/19/2012						THANK YOU FOR
Center or Other Site	21:00						CHOOSING
							HALLIBURTON
							ENERGY SERVICES!!

Sold To #: 340078 Ship To #:2942664 Quote #: Sales Order #: 9738598

Work Order Contract

Order Number

TO: HALLIBURTON ENERGY SERVICES, INC. - YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICE PERSONNEL TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO CUSTOMER LISTED BELOW AND DELIVER AND SELL PRODUCTS, SUPPLIES AND MATERIALS FOR THE PURPOSE OF SERVICING:

Well No.	Farm or Lease		County		State		Well Permit Number	
1	J&A Associates 11H N		Ness		Kansas	1513525431		
Customer		Well Owner			Job Purpose			
ENCANA OIL & GAS (USA) INC EBUS		Cement Production Liner						
THIS WORK ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED								

- A. CUSTOMER REPRESENTATION Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton Energy Services, Inc. (hereinafter "Halliburton").
- B. PRICE AND PAYMENT The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices of Halliburton are exclusive of any federal, state or municipal taxes which may be imposed on the sale or use of any materials, products or supplies furnished or services performed. Customer agrees to pay such taxes in addition to the prices in Halliburton's price list. If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If Customer has an approved open account, invoices are payable on the twentieth day after the date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, or Halliburton's actual attorney fees, whichever is greater, plus all collection and court costs. Customer agrees that the amount of attorney fees set out herein are reasonable and necessary.
- C. RELEASE AND INDEMNITY Customer agrees to <u>RELEASE</u> Halliburton Group from any and all liability for any and all damages whatsoever to property of any kind owned by, in the possession of, or leased by Customer and those persons and entities Customer has the ability to bind by contract or which are co-interest owners or joint ventures with Customer. Customer also agrees to <u>DEFEND, INDEMNIFY, AND HOLD</u> Halliburton Group <u>HARMLESS</u> from and against any and all liability, claims, costs, expenses, attorney fees and damages whatsoever for personal injury, illness, death, property damage and loss resulting from <u>loss of well control</u>; services to control a wild well whether underground or above the surface; reservoir or underground damage, including loss of oil, gas, other mineral substances or water; surface damage arising from underground damage to or loss of the well bore; subsurface trespass or any action in the nature thereof; fire; explosion; subsurface pressure; radioactivity; and pollution and contamination and its cleanup and control.

CUSTOMER'S RELEASE. DEFENSE, INDEMNITY AND HOLD HARMLESS obligations will apply even if the liability and claims are caused by the sole, concurrent, active or passive negligence, fault, or strict liability of one or more members of the Halliburton Group, the unseaworthiness of any vessel or any defect in the data, products, supplies, materials or equipment furnished by any member or members of the Halliburton Group whether in the design, manufacture, maintenance or marketing thereof or from a failure to warn of such defect. "Halliburton Group" is defined as Halliburton Energy Services, Inc., its parent, subsidiary, and affiliated companies, insurers and subcontractors and all its/their officers, directors, employees, consultants and agents. Customer's RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS obligations apply whether the personal injury, lilness, death, properly damage or loss is suffered by one or more members of the Halliburton Group, Customer, or any other person or entity. Customer agrees to support such obligations assumed herein with liability insurance with limits of not less than \$500,000. Customer agrees to name Halliburton Group as named additional insured on all of its general liability policy(s). Customer agrees that its liability under this Contract is not limited by the amounts of its insurance coverage, except where and as may be required by applicable local law for the provisions of this Contract to be enforceable.

- D. EQUIPMENT LIABILITY Customer shall at its risk and expense attempt to recover any Halliburton Group equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is irreparable, Customer shall pay the current published replacement rate, unless caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton Group. Customer shall be responsible for damage to or loss of Halliburton group equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton group equipment damaged by corrosion or abrasion due to well effluents.
- E. LIMITED WARRANTY Halliburton warrants only title to the equipment, products, and materials supplied under this Contract and that same are free from defects in workmanship and materials for thirty (30) days from the date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale, lease or use or any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages, Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, HALLIBURTON IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS, OR SERVICE, NOR THE ACCURACY OF ANY CHART INTERPRETATION, RESEARCH ANALYSIS, JOB RECOMMENDATION OR OTHER DATA FURNISHED BY HALLIBURTON GROUP. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton Group shall not be liable for and CUSTOMER SHALL INDEMNIFY HALLIBURTON GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to or caused by the active or passive negligence, fault or strict liability of any member or members of Halliburton Group. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.
- F. GOVERNING LAW The validity, interpretation and construction of this Contract shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.
- G. DISPUTE RESOLUTION Except for Halliburton's statutory rights with regard to collection of past due invoices for services or materials, including the Contractor's statutory rights for perfection and enforcement of mechanics' and materialmen's' liens, Customer and Halliburton agree that any dispute that may arise out of the performance of this Contract shall be resolved by binding arbitration by a panel of three arbitrators under the rules or the American Arbitration Association. The arbitration will take place in Houston, TX.
- H. SEVERABILITY If any provision or part thereof of this Contract shall be held to be invalid, void, or of no effect for any reason, such holding shall not be deemed to affect the validity of the remaining provisions of this Contract which can be given effect, without the invalid provision or part thereof, and to this end, the provisions of this Contract are declared to be severable. Customer and Halliburton agree that any provision of this Contract that is unenforceable or void under applicable law will be modified to achieve the intent of the parties hereunder to the greatest extent allowed by applicable law.
- I. MODIFICATIONS Customer agrees that Halliburton shall not be bound by any modifications to this Contract, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President Legal, 10200 Bellaire Blvd, Houston, TX 77072-5299.

I HAVE READ AND UNDERSTAND THIS WORK ORDER CONTRACT WHICH CONTAINS RELEASE AND INDEMNITY LANGUAGE WHICH CUSTOMER ACKNOWLEDGES IS CONSPICUOUS AND AFFORDS FAIR AND ADEQUATE NOTICE AND I REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT. I AM SIGNING THIS WORK ORDER CONTRACT WITH THE UNDERSTANDING THAT ITS TERMS AND CONDITIONS WILL NOT APPLY TO THE EXTENT THEY CONFLICT WITH TERMS AND CONDITIONS OF A SIGNED MASTER SERVICE CONTRACT BETWEEN THE PARTIES.

Customer Acceptance of Terms and Conditions, Materials and Services	
CUSTOMER Authorized Signatory	Date