

ENCANA OIL & GAS (USA) INC. - EBUS
DO NOT MAIL-3601 N STAGECOACH RD
LONGMONT, Colorado

davis
Davis 2B-9H

Ensign/#!/135

Post Job Summary

Cement Intermediate Casing

Date Prepared: 5/27/12
Version: 1

Service Supervisor: LAVALLEY, LARRY

Submitted by: FRY, DOMINIK

HALLIBURTON

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Pumping Schedule

Stage /Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Avg Rate bbl/min	Surface Volume	Downhole Volume
1	1	Spacer	TUNED SPACER III	9.80	3.00	30.0 bbl	30.0 bbl
1	2	Cement Slurry	Tuned Light 10#	10.00	5.00	240.0 sacks	240.0 sacks
1	3	Cement Slurry	Varicem 12#	12.00	5.00	170.0 sacks	170.0 sacks
1	4	Cement Slurry	Varicem 13#	13.00	5.00	215.0 sacks	215.0 sacks
1	5	Spacer	DRILLING MUD	8.34	5.00	282 bbl	282 bbl

HALLIBURTON

Job Summary

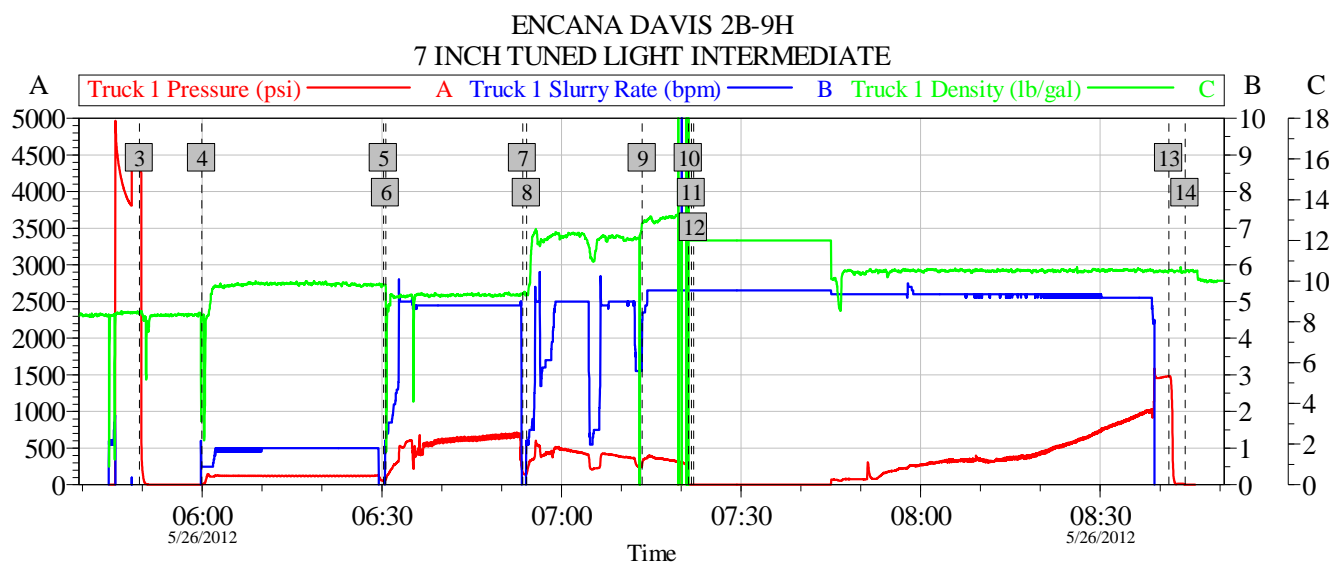
Job Information

Job Start Date	5/26/2012 5:15:00 AM	Pipe Movement During Hole Circulation	None
Job MD	7,502.0 ft	Pipe Movement During Cementing	None
Job TVD	7,502.0 ft	Calculated Displacement	282.00 bbl
Height of Plug Container/Swage Above Rig Floor	6.0 ft	Amount of Cement Returns	30.00 bbl
Surface Temperature at Time of Job	55 degF	Job Displaced by (rig/halco)	Rig & Cement Pumps
Mud Type	Water Based Mud		
Actual Mud Density	10 lbm/gal		
Time Circulated before job	2.00 hour(s)	Length of Rat Hole	10.00 ft

Cementing Equipment

Pipe Centralization	Above and Below Production Intervals	Plug set used?	Yes
Brand of Float Equipment Used	Halliburton Energy Services	Brand of Plug set used?	Halliburton Energy Services
Did Float Equipment Hold?	Yes	Did Plugs Bump?	Yes
		Calculated Pressure to Bump Plugs	937.0 psig

Data Acquisition



Global Event Log											
Intersection			T1P	T1SR	T1D	Intersection			T1P	T1SR	T1D
1	Starting Job	04:59:29	58.00	0.000	2.680	2	Start Job	05:15:35	1.000	0.000	8.330
3	Test Lines	05:49:32	4308	0.000	8.410	4	Pump Spacer 1	05:59:56	7.190	0.500	8.169
5	Drop Bottom Plug	06:30:18	56.00	0.000	9.797	6	Pump Cement	06:30:39	75.43	1.171	9.749
7	Drop Bottom Plug	06:53:31	173.9	0.000	9.367	8	Pump Lead Cement	06:54:10	151.5	1.130	9.373
9	Pump Tail Cement	07:13:31	297.5	4.500	12.83	10	Shutdown	07:21:14	0.000	5.300	12.000
11	Drop Plug	07:21:43	0.000	5.300	12.00	12	Pump Displacement	07:22:05	0.000	5.300	12.000
13	Bump Plug	08:41:28	1483	0.000	10.51	14	End Job	08:44:11	3.108	0.000	10.440
15	Ending Job	08:54:11	-4.000	0.000	10.02						

Customer: ENCANA OIL AND GAS
Well Description: 7 INCH TUNED LIGHT INTERMEDIATE

Job Date: 26-May-2012
THANKS LARRY LAVALLEY AND CREW

Sales Order #: 9527927

OptiCem v6.4.10
26-May-12 08:56



HALLIBURTON

Field Ticket

Field Ticket Date:

Saturday, May 26, 2012

ENCANA USA - EBUS - DJ BASIN
DO NOT MAIL-3601 N STAGECOACH RD
LONGMONT, CO 80504

Job Name: Davis
Order Type: Streamline Order (ZOH)
Well Name: Davis 2B-9H
Company Code: 1100
Customer PO No.: NA
Shipping Point: Brighton, CO, USA
Sales Office: Rocky Mountains BD
Well Type: Gas
Well Category: Development

Job ID:
ENCANA DAVIS 2B-9H,WELD
DAVIS 2B-9H
2927140
89 T2N R66W
FORT LUPTON, CO 80521

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
7522	CMT INTERMEDIATE CASING BOM	1	JOB	0.00	0.00	0.00	60%	0.00
2	MILEAGE FOR CEMENTING CREW,ZI	24	MI	0.00	5.76	276.48	60%	110.59
	Number of Units	2						
1	ZHILEAGE FROM NEAREST HES BASE,/UNIT	24	MI	0.00	9.79	469.92	60%	187.97
	Number of Units	2						
16091	ZI - PUMPING CHARGE	1	EA	0.00	9,081.00	9,081.00	60%	3,632.40
	DEPTH	7538						
	FEET/METERS (FT/M)		FT					
114	RIA DENSOMETER W/CHART RECORDER,/JOB,ZI	1	JOB	0.00	1,285.00	1,285.00	60%	514.00
	NUMBER OF UNITS	1						
139	ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI	1	JOB	0.00	2,275.00	2,275.00	60%	910.00
	NUMBER OF UNITS	1						
130104	PORT. DATA ACQUIS. W/OPTICEM RT W/HES	1	EA	0.00	2,549.00	2,549.00	60%	1,019.60
	DAYS OR PARTIAL DAY(WHOLE NO.)	1						
74038	ZI PLUG CONTAINER RENTAL-1ST DAY	1	EA	1,322.00	0.00	1,322.00	60%	528.80
	DAYS OR FRACTION (MIN1)	1						
90	ZI QUICK LATCH ATTACHMENT	1	JOB	0.00	491.00	491.00	60%	196.40
	SIZE IN INCHES/MILLIMETER	7						
	INCHES/MILLIMETERS (IN/MM)		IN					
143	ZI-100 BBL BLENDER (4 HR)	1	EA	3,898.00	0.00	3,898.00	60%	1,559.20
	HOURS OR FRACTION (MIN4)	4						
92	PORTABLE RADIOS, ZI	5	EA	0.00	92.00	460.00		460.00
	NUMBER OF JOBS	1						

Field Ticket Number: 8627927

Field Ticket Date: Saturday, May 26, 2012
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Field Ticket

Field Ticket Date:

Saturday, May 26, 2012

ENCANA USA - EBUS - DJ BASIN
DO NOT MAIL-3601 N STAGECOACH RD
LONGMONT, CO 80504

Job Name: Davis
Order Type: Streamline Order (ZOH)
Well Name: Davis 2B-9H
Company Code: 1100
Customer PO No.: NA
Shipping Point: Brighton, CO, USA
Sales Office: Rocky Mountains BD
Well Type: Gas
Well Category: Development

USE TO:
ENCANA DAVIS 2B-9H,WELD
DAVIS 2B-9H
2927140
89 T2N R56W
FORT LUPTON, CO 80521

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
558393	CMT, Special Hndlg Chrg,Tuned Light Cmts	1	JOB	0.00	2,600.00	2,600.00	60%	1,040.00
119534	SUCTION HOSE, 4"/FT WHIES,PER JOB ZI	200	FT	0.00	4.40	880.00	60%	352.00
	NUMBER OF JOBS	1						
86954	ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON	24	MI	0.00	0.23	11.04		11.04
	Number of Units	2						
86955	ZI FUEL SURCHG-HEAVY TRKS >1 1/2 TON	24	MI	0.00	0.58	32.64		32.64
	Number of Units	2						
7	ENVIRONMENTAL SURCHARGE,/JOB,ZI	1	JOB	0.00	134.00	134.00		134.00
8	IRON SAFETY INSPECTION SURCHARGE /JOB ZI	1	JOB	0.00	83.00	83.00		83.00
87605	ZI FUEL SURCHG-CMT & CMT ADDITIVES	12	MI	0.00	0.23	94.75		94.75
	NUMBER OF TONS	34.33						
372867	Cmt P&L - DOT Vehicle Charge, CMT	6	EA	0.00	241.00	1,446.00		1,446.00
656520	CMT, S.O.T./S.M.M. Permit	4	EA	0.00	150.00	600.00		600.00
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN	12	MI	0.00	3.35	1,380.07	60%	552.03
	NUMBER OF TONS	34.33						
3965	HANDLE&DUMP SVC CHRg, CMT&ADDITIVES,ZI	1301	CF	0.00	5.49	7,142.49	60%	2,857.00
	NUMBER OF EACH	1						
483826	TUNED SPACER III	30	BBL	0.00	293.00	8,790.00	60%	3,516.00
100003680	BARITE	15	SK	0.00	31.07	466.05	60%	186.42
452984	TUNED LIGHT (TM) SYSTEM	240	SK			77,795.16	60.0%	31,118.07
452009	VARICEM (TM) CEMENT	170	SK			16,932.54	60.0%	6,773.01

Field Ticket Number: 8627827

Field Ticket Date: Saturday, May 26, 2012

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Field Ticket

Field Ticket Date:

Saturday, May 26, 2012

ENCANA USA - EBUS - DJ BASIN
DO NOT MAIL-3601 N STAGECOACH RD
LONGMONT, CO 80504

Job Name: Davis
Order Type: Streamline Order (ZOH)
Well Name: Davis 2B-9H
Company Code: 1100
Customer PO No.: NA
Shipping Point: Brighton, CO, USA
Sales Office: Rocky Mountains BD
Well Type: Gas
Well Category: Development

Job Loc:
ENCANA DAVIS 2B-9H, WELD
DAVIS 2B-9H
2927140
89 T2N R66W
FORT LUPTON, CO 80521

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
452009	VARICEM (TM) CEMENT	215	SK			21,543.38	60%	8,617.35
100008028	SUGAR, GRANULATED, IMPERIAL	100	LB	0.00	6.44	644.00	60%	257.60
144	ZH-100 BBL BLENDER STANBY TIME	5	H	0.00	216.00	4,320.00	60%	1,728.00
	NUMBER OF UNITS	4						
16092	ADDITIONAL HOURS (PUMPING EQUIPMENT), ZI	1	EA	0.00	1,071.00	1,071.00	60%	428.40
	HOURS	1						
				Totals	USD	168,073.52	99,127.25	68,946.27

Halliburton Rep: LARRY LAVALLEY

Customer Agent: DENNIS ELROD

Halliburton Approval:

THIS OUTPUT DOES NOT INCLUDE TAXES. APPLICABLE SALES TAX WILL BE BILLED ON THE FINAL INVOICE.
CUSTOMER HEREBY ACKNOWLEDGES RECEIPT OF THE MATERIALS AND SERVICES DESCRIBED ABOVE AND ON THE ATTACHED DOCUMENTS.

X

FIELD TICKET TOTAL: USD

68,946.27

Customer Signature

Was our HSE performance satisfactory? Y or N
(Health, Safety, Environment)

Were you satisfied with our Equipment? Y or N

Were you satisfied with our people? Y or N

Comments

Customer Information Only

AFE/Cost Center

Code/Operation Catgry

Cust/Encana Rep

Field Ticket Number: 8627927

Field Ticket Date: Saturday, May 26, 2012

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Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)	Comments
05/25/2012 05:15		Start Job						
05/26/2012 05:49		Test Lines					4308.0	
05/26/2012 05:59		Pump Spacer 1	5	30			120.0	TUNED SPACER III MIXED @ 9.8 PPG
05/26/2012 06:30		Drop Bottom Plug					56.0	PRELOADED HWE BOTTOM PLUG
05/26/2012 06:30		Pump Lead Cement	5	98			650.0	240 SKS TUNED LIGHT MIXED @ 10.0 PPG
05/26/2012 06:53		Drop Bottom Plug					173.0	PRELOADED HWE BOTTOM PLUG
05/26/2012 06:54		Pump Cement	5	75			151.0	170 SKS VARICEM MIXED @ 12.0 PPG
05/26/2012 07:13		Pump Tail Cement	5	75			297.0	215 SKS VARICEM MIXED @ 13.0 PPG
05/26/2012 07:21		Shutdown					3.0	
05/26/2012 07:21		Drop Top Plug					3.0	LOADED HWE TOP PLUG
05/26/2012 07:22		Pump Displacement	5	282			917.0	DRILLING MUD SUPPLIED BY RIG. LAST 10 BBLS RIG WATER WITH NO ADDITIVES
05/26/2012 08:41		Bump Plug					1483.0	CALCULATED PRESSURE TO LAND WAS 937 PSI. CAUGHT CEMENT @ 70 BBLS AWAY.GOT ALL SPACER BACK TO SURFACE AND 30 BBLS CEMENT.
05/26/2012 08:44		End Job						

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The Road to Excellence Starts with Safety

Sold To #: 340078	Ship To #: 2927140	Quote #:	Sales Order #: 9527927
Customer: ENCANA OIL & GAS (USA) INC. - EBUS		Customer Rep: ELROD, DENNIS	
Well Name: Davis		Well #: 2B-9H	API/UWI #: 05-123-35460
Field: WATTENBERG	City (SAP): FORT LUPTON	County/Parish: Weld	State: Colorado
Contractor: Ensign		Rig/Platform Name/Num: #135	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: FLING, MATTHEW		Srvc Supervisor: LAVALLEY, LARRY	MBU ID Emp #: 419296

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BOURGEOIS, KEVIN Paul	0.0	459092	LAVALLEY, LARRY P	0.0	419296	MARKOVICH, STEVEN Michael	0.0	502964
OTERI, VAUGHN Steeves	0.0	443828	SANFORD, DALE A	0.0	219527	STOEBER, KEITH A	0.0	486734

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10857012C	12 mile	10977079	12 mile	11019824C	12 mile	11064046	12 mile
11488570C	12 mile	11518549	12 mile	11518550	12 mile	11526488	12 mile
11527041C	12 mile	11562544C	12 mile	5707C	12 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
TOTAL								

Total is the sum of each column separately

Job

Job Times

Formation Name							Date	Time	Time Zone
Formation Depth (MD)	Top			Bottom		Called Out	25 - May - 2012	20:30	MST
Form Type				BHST		On Location	25 - May - 2012	11:15	MST
Job depth MD	7502. ft			Job Depth TVD	7502. ft	Job Started	26 - May - 2012	05:15	MST
Water Depth				Wk Ht Above Floor	6. ft	Job Completed	26 - May - 2012	08:45	MST
Perforation Depth (MD)	From			To		Departed Loc	26 - May - 2012	09:45	MST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
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Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty		Conc	%
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size		Qty	

Fluid Data

Stage/Plug #: 1

HALLIBURTON

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	WATER SPACER		0.00	bbl	8.34	.0	.0	4.0	
2	TUNED SPACER III	TUNED SPACER III - SBM (483826)	30.00	bbl	9.8	5.78	38.63	4.0	
	39.07 gal/bbl	FRESH WATER							
	30.27 lbm/bbl	BARITE, 100 LB SK (100003680)							
3	Tuned Light 10#	TUNED LIGHT (TM) SYSTEM (452984)	240.0	sacks	10.	2.29	8.49	4.0	8.49
	8.49 Gal	FRESH WATER							
4	Varicem 12#	VARICEM (TM) CEMENT (452009)	170.0	sacks	12.	2.49	13.92	7.0	13.92
	13.92 Gal	FRESH WATER							
5	Varicem 13#	VARICEM (TM) CEMENT (452009)	215.0	sacks	13.	1.96	11.92	7.0	11.92
	11.92 Gal	FRESH WATER							
6	DRILLING MUD			bbl	8.34	.0	42.0	8.0	
	0.2 gal/Mgal	CLA-WEB - TOTE (101985045)							
Calculated Values		Pressures		Volumes					
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	0 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID		Frac ring # 2 @	ID		Frac Ring # 3 @	ID	Frac Ring # 4 @	ID
The Information Stated Herein Is Correct				Customer Representative Signature					