

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

davis
Davis 2A-9HX

Ensign/#/135

Post Job Summary

Cement Surface Casing

Date Prepared: 07/18/2012
Version: 1

Service Supervisor: LAVALLEY, LARRY

Submitted by: MCKAY, ADAM

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Wellbore Geometry

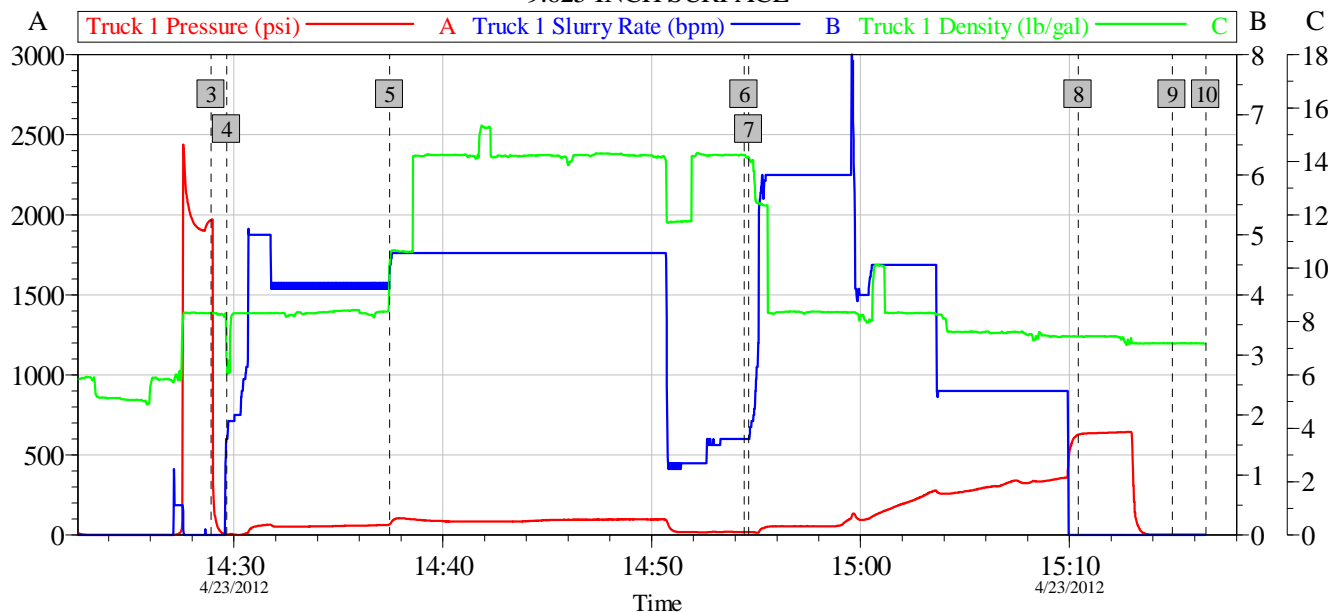
Job Tubulars					MD		TVD		Excess	Shoe Joint Length
Type	Description	Size in	ID in	Wt lbm/ft	Top ft	Bottom ft	Top ft	Bottom ft	%	ft
Casing	9 5/8" Surface Casing	9.63	8.835	40.00	0.00	857.00	0.00	0.00		47.00
Open Hole Section	Open Hole		12.250		0.00	857.00	0.00	0.00		0.00

Pumping Schedule

Stage /Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Avg Rate bbl/min	Surface Volume	Downhole Volume
1	1	Spacer	Fresh Water	8.34	5.00	30.0 bbl	30.0 bbl
1	2	Cement Slurry	SWIFTCEM 14.2#	14.20	5.00	250.0 sacks	250.0 sacks

Data Acquisition

ENCANA OIL AND GAS DAVIS 2A-9HX 9.625 INCH SURFACE



Global Event Log											
Intersection			T1P	T1SR	T1D	Intersection			T1P	T1SR	T1D
1	Starting Job	13:42:24	-14.00	0.000	8.080	2	Start Job	14:22:19	16.00	0.000	5.907
3	Test Lines	14:28:54	1969	0.000	8.324	4	Pump Spacer 1	14:29:39	4.000	1.600	6.565
5	Pump Lead Cement	14:37:28	67.33	4.433	10.21	6	Drop Top Plug	14:54:26	19.00	1.600	14.25
7	Pump Displacement	14:54:39	19.00	1.600	14.15	8	Bump Plug	15:10:26	627.8	0.000	7.440
9	End Job	15:14:55	2.000	0.000	7.195	10	Ending Job	15:16:32	2.000	0.000	7.180

Customer: ENCANA OIL AND GAS	Job Date: 23-Apr-2012	Sales Order #: 9461504
Well Description: 9.625 INCH SURFACE	THANKS ALRRY LAVALLEY AND CREW	

OptiCem v6.4.10
23-Apr-12 15:18

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)	Comments
04/23/2012 14:22		Start Job						
04/23/2012 14:28		Test Lines					1969.0	RIG WATER WITH NO ADDITIVES
04/23/2012 14:29		Pump Spacer 1	5	30			45.0	RIG WATER WITH RED DYE ADDED
04/23/2012 14:37		Pump Lead Cement	5	66			67.0	250 SKS SWIFTCEM MIXED @ 14.2 PPG
04/23/2012 14:54		Drop Top Plug					19.0	PRELOADED HWE TOP PLUG
04/23/2012 14:54		Pump Displacement	5	61			310.0	RIG WATER WITH NO ADDITIVES. GOT 4 BBLS BACK TO SURFACE.
04/23/2012 15:10		Bump Plug	2				627.8	CALCULATED PRESSURE TO LAND WAS 247 PSI.CALCULATED PRESSURE TO LIFT WAS 403 PSI. CEMENT RETURN TO SURFACE AT BBLS AWAY.
04/23/2012 15:14		Other	5	20				100 SKS G-NEAT TOP OFF CEMENT IF NEEDED MIXED @ 15.8 PPG. DID NOT USE TOP OFF CEMENT
04/23/2012 15:14		End Job						

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The Road to Excellence Starts with Safety

Sold To #: 340078	Ship To #: 2923105	Quote #:	Sales Order #: 9461504
Customer: ENCANA OIL & GAS (USA) INC. - EBUS		Customer Rep: ELROD, DENNIS	
Well Name: Davis		Well #: 2A-9HX	API/UWI #: 05-123-34752
Field: WATTENBERG	City (SAP): FORT LUPTON	County/Parish: Weld	State: Colorado
Lat: N 40.154 deg. OR N 40 deg. 9 min. 15.984 secs.		Long: W 104.79 deg. OR W -105 deg. 12 min. 36.288 secs.	
Contractor: Ensign		Rig/Platform Name/Num: #135	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface 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 #
FLYNN, SHAD Michael	0.0	476484	HELMICK, MATTHEW James	4.3	507553	LAVALLEY, LARRY P	0.0	419296
SEALE, ANDREW W	0.0	511496						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10822531C	13 mile	11036301	13 mile	11488570C	13 mile	11518549	13 mile
5707C	13 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

Formation Name	Top	Bottom	Form Type	Job depth MD	Job Depth TVD	Water Depth	Wk Ht Above Floor	Perforation Depth (MD)	From	To	Called Out	Date	Time	Time Zone
			BHST	857. ft	857. ft		6. ft					23 - Apr - 2012	09:00	MST
											On Location	23 - Apr - 2012	11:45	MST
											Job Started	23 - Apr - 2012	14:22	MST
											Job Completed	23 - Apr - 2012	15:16	MST
											Departed Loc	23 - Apr - 2012	16:00	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
Open Hole				12.25				.	857.	.	.
9 5/8" Surface Casing	New		9.625	8.835	40.		N-80	.	857.	.	.

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

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Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	Fresh Water		30.00	bbl	8.34	.0	42.0	5.0		
2	SWIFTCEM 14.2#	SWIFTCEM (TM) SYSTEM (452990)	250.0	sacks	14.2	1.49	7.43	5.0	7.43	
7.43 Gal		FRESH WATER								
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	47 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						