

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 340078	Ship To #: 2937798	Quote #:	Sales Order #: 9667836
Customer: ENCANA OIL & GAS (USA) INC. - EBUS		Customer Rep: McNabb, Randy	
Well Name: Pabst Farm 3H	Well #: 2	API/UWI #: 15-135-25396	
Field:	City (SAP): NESS CITY	County/Parish: Ness	State: Kansas
Legal Description: Section 3 Township 18S Range 31W			
Contractor: Precision		Rig/Platform Name/Num: 209	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: DAIGLE, COLTER		Srvc Supervisor: KLAUSE, JOHN	MBU ID Emp #: 456246

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
GOMEZ, OSCAR	8	490448	KLAUSE, JOHN David	8	456246	WIFA, HENRY Neniebari	8	491916

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10741245	165 mile	10924982	165 mile	10990703	165 mile	10995019	165 mile
11706683	165 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
7-16	8							

TOTAL Total is the sum of each column separately

Job Job Times

Formation Name	Date	Time	Time Zone
Formation Depth (MD) Top	7-15	1800	
Formation Depth (MD) Bottom	7-16	0200	
Form Type	7-16	0600	
Job depth MD	7-16	0800	GMT
Water Depth	7-16	1000	
Perforation Depth (MD) From			
Perforation Depth (MD) To			
Perforation Depth (MD) Departed Loc			

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
Intermediate Open Hole				8.75				1400.	4660.	850.	4280.
Intermediate Casing	Unknown		7.	6.366	23.		N-80		4660.		4280.
Surface Casing	Unknown		9.625	8.921	36.			1400.			

Sales/Rental/3rd Party (HES)

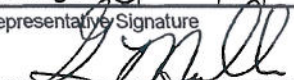
Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP, 7, HWE, 5.66 MIN/6.54 MAX CS	1	EA		

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									
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	Standard	CMT - STANDARD CEMENT (100003684)	280.0	sacks	15.6	1.18	5.2		5.2
	94 lbm	CMT - STANDARD - CLASS A REG OR TYPE I, BULK (100003684)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	5.204 Gal	FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement	177	Shut In: Instant	1503	Lost Returns	0	Cement Slurry	59	Pad	
Top Of Cement	2548	5 Min		Cement Returns	0	Actual Displacement	177	Treatment	
Frac Gradient	NA	15 Min		Spacers	20	Load and Breakdown	NA	Total Job	
Rates									
Circulating	8	Mixing	5	Displacement	8	Avg. Job	7.2		
Cement Left In Pipe	Amount	40 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 					

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Cementing Job Log

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Field:	City (SAP): NESS CITY	County/Parish: Ness	State: Kansas
Legal Description: Section 3 Township 18S Range 31W			
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 Intermediate Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: DAIGLE, COLTER		Srvc Supervisor: KLAUSE, JOHN	MBU ID Emp #: 456246

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	07/15/2012 18:00							
Pre-Convoy Safety Meeting	07/15/2012 19:00							DISCUSS ROUTE AND POSSIBLE ROAD HAZARDS
Depart from Service Center or Other Site	07/15/2012 20:00							
Arrive At Loc	07/16/2012 02:00							SPOT EQUIPMENT; GO OVER JOB AND GET NUMBERS FROM COMPANY MAN
Pre-Rig Up Safety Meeting	07/16/2012 02:15							DISCUSS PINCH POINTS AND TRIPPING HAZARDS ON LOCATION
Rig-Up Completed	07/16/2012 04:47							
Wait on Customer or Customer Sub-Contractor Equip	07/16/2012 04:47							CUSTOMER RUNNING CASING
Other	07/16/2012 05:47							CUSTOMER ON BOTTOM WITH CASING AND CIRCULATING; FULL RETURNS
Wait on Customer or Customer Sub-Contractor Equipm	07/16/2012 06:38							CUSTOMER DONE CIRCULATING AND READY FOR HES CEMENT JOB
Pre-Job Safety Meeting	07/16/2012 06:38							GO OVER JOB W RIG CREW AND SAFTEY HAZARDS WITH PUMPING CEMENT JOB
Test Lines	07/16/2012 07:08							TEST LINES 5000 PSI

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QUANTITY: 7.0000

DATE: 11-10-2010 09:05:00

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Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Spacer	07/16/2012 07:10		3.2	20			233.0	PUMP FRESH WATER
Pump Cement	07/16/2012 07:19		4.9	59			436.0	PUMP TAIL SLURRY @ 15.6# (280 sks)
Drop Plug	07/16/2012 07:33							CHECK TT; PLUG LEFT HEAD
Pump Displacement	07/16/2012 07:33		6.2	177			92.0	PUMP FRESH WATER DISPLACEMENT; CAUGHT CEMENT @ 98 BBLS GONE
Slow Rate	07/16/2012 07:58							SLOW RATE WHEN 10BBLS FROM TOTAL DISPLACEMENT
Bump Plug	07/16/2012 08:02							GO 500 OVER DIFFERENTIAL PRESSURE; BUMP PLUG @ 859 PSI; FINAL C.P. @ 1508
Check Floats	07/16/2012 08:05							FLOATS HELD; 1 BBL FLOWBACK
Pre-Rig Down Safety Meeting	07/16/2012 08:15							DISCUSS PINCH POINTS AND RIG FLOOR HAZARDS
Rig-Down Completed	07/16/2012 10:15							
Depart Location for Service Center or Other Site	07/16/2012 10:30							THANK YOU FOR USING HALLIBURTON JOHN KLAUSE AND CREW

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QUANTITY: 70 0000

DATE: 11 16 2012 09 05 00