

The Road to Excellence Starts with Safety

Sold To #: 340078	Ship To #: 2946223	Quote #:	Sales Order #: 9770139
Customer: ENCANA OIL & GAS (USA) INC. - EBUS		Customer Rep: Perry, Carey	
Well Name: Nattier 16V	Well #: 1 SWD	API/UWI #: 15-079-20692	
Field:	City (SAP): NEWTON	County/Parish: Harvey	State: Kansas
Legal Description: Section 16 Township 24S Range 2E			
Contractor: Precision		Rig/Platform Name/Num: Precicison 207	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: DAIGLE, COLTER		Srvc Supervisor: AGUILERA, FABIAN	MBU ID Emp #: 442123

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
AGUILERA, FABIAN	10	442123	HEIDT, JAMES Nicholas	10	517102	REEVES, SCOTT L	10	518947

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
8/26/2012	10	1						

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
					25 - Aug - 2012	20:00	CST
Form Type			BHST	On Location	26 - Aug - 2012	02:00	CST
Job depth MD	3445.9 ft		Job Depth TVD	Job Started	26 - Aug - 2012	08:30	CST
Water Depth			Wk Ht Above Floor	Job Completed	26 - Aug - 2012	09:33	CST
Perforation Depth (MD)	From		To	Departed Loc	26 - Aug - 2012	12:00	CST

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				250.	3591.	.	.
Intermediate Casing	Unknown		7.	6.366	23.		N-80	.	3591.	.	3000.
Surface Casing	Unknown		9.625	8.921	36.		J-55	.	250.		

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	MidCon-2 Standard	MIDCON-2 CEMENT STANDARD - SBM (15078)	100.0	sacks	11.4	2.89	17.84		17.84
	0.25 lbm	POLY-E-FLAKE (101216940)							
	17.838 Gal	FRESH WATER							
2	STANDARD	CMT - STANDARD CEMENT (100003684)	110.0	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	131 BBL	Shut In: Instant		Lost Returns	0	Cement Slurry	80 BBL	Pad	
Top Of Cement	736.92 FT.	5 Min		Cement Returns	0	Actual Displacement	130 BBL	Treatment	
Frac Gradient		15 Min		Spacers	0	Load and Breakdown		Total Job	
Rates									
Circulating	3	Mixing	5.5	Displacement	5.5	Avg. Job	4		
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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Well Name: Nattier 16V		Well #: 1 SWD	API/UWI #: 15-079-20692
Field:	City (SAP): NEWTON	County/Parish: Harvey	State: Kansas
Legal Description: Section 16 Township 24S Range 2E			
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: Precicison 207	
Job Purpose: Cement Intermediate Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: DAIGLE, COLTER		Srvc Supervisor: AGUILERA, FABIAN	MBU ID Emp #: 442123

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	08/25/2012 20:00							CREW CALLED OUT FOR ECANA OIL AND GAS, NATTIER 16V, 1 SWD, 7" INTERMEDIATE
Pre-Convoy Safety Meeting	08/25/2012 21:00							DISCUSSED ALL POTENTIAL ROAD HAZARDS WITH HES CREW
Crew Leave Yard	08/25/2012 21:30							CALL IN JOURNEY MANAGEMENT, IN ROUTE TO ECANA OIL AND GAS, NATTIER 16V- 1 SWD
Arrive At Loc	08/26/2012 02:00							ARRIVE AT LOCATION
Assessment Of Location Safety Meeting	08/26/2012 02:10							ASSESSED THE LOCATION, SPOT IN EQUIPMENT, WATER TESTED GOOD, GOT WITH CM AND WENT OVER JOB DEPTH AND NUMBERS, AT THIS TIME RIG CREW STARTED RUNNING CASING DOWNHOLE
Pre-Rig Up Safety Meeting	08/26/2012 02:15							DISCUSSED ALL POTENTIAL HAZARDS AND PINCH POINTS WITH HES CREW
Rig-Up Equipment	08/26/2012 02:30							RIG UP IRON AND WATER HOSES
Rig-Up Completed	08/26/2012 03:30							RIG UP WENT WELL AND SAFELY
Activity Description	Date/Time	Cht	Rate bbl/min	Volume bbl		Pressure psig		Comments

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SUMMIT Version: 7.3.0040

Tuesday, September 04, 2012 02:41:00

		#		Stage	Total	Tubing	Casing	
Other	08/26/2012 03:40							AT THIS TIME RIG CREW IS STILL RUNNING CASING DOWNHOLE
Other	08/26/2012 07:00							AT THIS TIME RIG CREW IS DONE RUNNING CASING
Pre-Job Safety Meeting	08/26/2012 08:00							DISCUSSED ALL POTENTIAL HAZARDS WHEN PRESSURE IS PRESENT WITH HES AND RIG CREW, WENT OVER JOB SCHEDULE AND NUMBERS WITH CM, AT THIS TIME CM REQUESTED TO CIRCULATE FOR ABOUT 45 MINUTES BOTTOMS UP AND THEY HAVE GOOD RETURNS
Start Job	08/26/2012 08:30							
Test Lines	08/26/2012 08:33							TEST LINES TO 4000 PSI
Pump Lead Cement	08/26/2012 08:39		5	51			282.0	PUMP LEAD CEMENT= 100 SKS = 51 BBL @ 11.4#
Pump Tail Cement	08/26/2012 08:48		5	23			350.0	PUMP TAIL CEMENT = 110 SKS = 23 BBL @ 15.6#
Clean Lines	08/26/2012 08:55							STOP CLEAN LINES AND TUB
Drop Top Plug	08/26/2012 08:57							DROP TOP PLUG
Pump Displacement	08/26/2012 08:59		5	130			300.0	PUMP DISPLACEMENT OF 130 BBL FW
Displ Reached Cmnt	08/26/2012 09:21		5		70		250.0	DISPLACEMENT REACH CEMENT AT 70 BBL AT 250 PSI
Slow Rate	08/26/2012 09:26		2		120		750.0	SLOW RATE TO 2 BPM TO BUMP PLUG AT 120 BBL GONE
Bump Plug	08/26/2012 09:30						900.0	BUMP PLUG AT 900 PSI
Check Floats	08/26/2012 09:31						1125.0	FLOATS HELD GOOD, RELEASE PRESSURE AND GOT BACK 1/2 BBL
End Job	08/26/2012 09:33							

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pre-Rig Down Safety Meeting	08/26/2012 09:45							DISCUSSED ALL POTENTIAL HAZARDS AND PINCH POINTS WITH HES CREW
Rig-Down Equipment	08/26/2012 10:00							RIG DOWN IRON AND WATER HOSES
Rig-Down Completed	08/26/2012 11:00							RIG DOWN WENT WELL AND SAFELY
Pre-Convoy Safety Meeting	08/26/2012 11:30							DISCUSSED ALL POTENTIAL ROAD HAZARDS WITH HES CREW
Crew Leave Location	08/26/2012 12:00							THANK YOU FOR CHOOSING HALLIBURTON, FABIAN AND CREW