



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1098284  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx)      (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

*(Data must be collected from the Reserve Pit)*

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1098284

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR: \_\_\_\_\_ Producing Method:  Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	EnCana Oil & Gas (USA) Inc.
Well Name	Nattier 16V 1 SWD
Doc ID	1098284

All Electric Logs Run

Hole & Cmt Volume Gamma Ray
Microlog Tool
Platform Express Comp Neutron
Platform Express Array Induction
Spectral Gamma Ray

Form	ACO1 - Well Completion
Operator	EnCana Oil & Gas (USA) Inc.
Well Name	Nattier 16V 1 SWD
Doc ID	1098284

Tops

Name	Top	Datum
Topeka	1610	
Heebner	1968	
Lansing-Kansas City	2151	
A Marker	2570	
B Marker	2596	
Marmaton	2622	
D Marker	2717	
E Marker	2773	
F Marker	2800	
G Marker	2824	
H Marker	2854	
Burgess	2871	
Miss Lime	2935	
Kinderhook	3164	
Hunton	3255	
Maquoketa	3316	
Viola	3334	
Simpson	3398	
Arbuckle	3434	

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

October 23, 2012

EnCana Oil & Gas (USA) Inc.  
5851 LEGACY CIRCLE  
PLANO, TX 75024

Re: ACO1  
API 15-079-20692-00-00  
Nattier 16V 1 SWD  
SE/4 Sec.16-24S-02E  
Harvey County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,

# HALLIBURTON

# Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 340078	Ship To #: 2946223	Quote #:	Sales Order #: 9753743
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 Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: DAIGLE, COLTER		Srvc Supervisor: GALVAN, GEORGE	MBU ID Emp #: 447816

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BECERRA, JUAN Carlos	14	491933	GALVAN, GEORGE	14	447816	PROVINES, TYLER Wesley	14	523867

### 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
08-18-2012	14	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
Form Type		BHST	On Location	18 - Aug - 2012	09:30	CST
Job depth MD	902.2 m	Job Depth TVD	Job Started	18 - Aug - 2012	20:07	CST
Water Depth		Wk Ht Above Floor	Job Completed	18 - Aug - 2012	20:40	CST
Perforation Depth (MD) From		To	Departed Loc	18 - Aug - 2012	23:45	CST

### Well Data

Description	New / Used	Max pressure MPa	Size mm	ID mm	Weight kg/m	Thread	Grade	Top MD m	Bottom MD m	Top TVD m	Bottom TVD m
Surface Casing Open Hole				12.25				60.	250.		
Preset Conductor	Unknown		14.	13.344	50.		J-55		60.		
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	

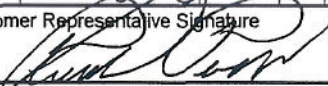
### Fluid Data

Stage/Plug #: 1
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# HALLIBURTON

## Cementing Job Summary

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density kg/m3	Yield m3/sk	Mix Fluid m3/tonne	Rate m3/min	Total Mix Fluid m3/tonne
1	STANDARD	HALCEM (TM) SYSTEM (452986)	90.0	sacks	15.6	1.2	5.32		5.32
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.125 lbm	POLY-E-FLAKE (101216940)							
	5.319 Gal	FRESH WATER							
2	Standard Top out	CMT - STANDARD CEMENT (100003684)	200.0	sacks	15.6	1.18	5.25		5.25
	94 lbm	CMT - STANDARD - CLASS A REG OR TYPE I, BULK (100003684)							
	5.245 Gal	FRESH WATER							
<b>Calculated Values</b>		<b>Pressures</b>		<b>Volumes</b>					
Displacement	19	Shut In: Instant		Lost Returns		Cement Slurry	42	Pad	
Top Of Cement	0	5 Min		Cement Returns	19	Actual Displacement	19	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	
<b>Rates</b>									
Circulating		Mixing	3.5	Displacement	3.5	Avg. Job	3.5		
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 					

# HALLIBURTON

## Cementing Job Log

*The Road to Excellence Starts with Safety*

Sold To #: 340078	Ship To #: 2946223	Quote #:	Sales Order #: 9753743
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			
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 Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: DAIGLE, COLTER	Srvc Supervisor: GALVAN, GEORGE	MBU ID Emp #: 447816	

Activity Description	Date/Time	Cht #	Rate m3/min	Volume m3		Pressure MPa		Comments
				Stage	Total	Tubing	Casing	
Call Out	08/18/2012 00:30							CALLED OUT ON ENCANA OIL, NATTIER 16V 9 5/8 SUFACE CASING
Pre-Convoy Safety Meeting	08/18/2012 03:30							DISCUSS ROUTE TO LOCATION
Depart Yard Safety Meeting	08/18/2012 04:00							DEPART FROM HALLIBURTON YARD TO LOCATION
Arrive At Loc	08/18/2012 09:30							ARRIVED ON LOCATION
Pre-Rig Up Safety Meeting	08/18/2012 09:35							DISCUSS RIG UP PROCEDURE AND WHERE SAFETY AREA IS ON LOCATION
Rig-Up Equipment	08/18/2012 09:40							BEGAN RIGGING UP EQUIPMENT
Rig-Up Completed	08/18/2012 10:20							RIG UP COMPLETED
Wait on Customer or Customer Sub-Contractor Equip	08/18/2012 10:25							RIG RIGGING UP TO START DRILLING HOLE
Other	08/18/2012 10:30							START RUNNING DRILL PIPE IN HOLE
Other	08/18/2012 15:50							ALL DRILL PIPE WAS RAN IN HOLE
Other	08/18/2012 16:15							RAN SURVEY TOOL DOWN HOLE
Other	08/18/2012 16:43							BEGAN PULLING DRILL PIPE OUT OF HOLE
Other	08/18/2012 17:15							PUT ON GUIDE SHOE
Running In Hole	08/18/2012 18:00							BEGAN RUNNING CASING IN HOL E

Sold To #: 340078

Ship To #: 2946223

Quote # :

Sales Order # :

9753743



# HALLIBURTON

## Cementing Job Log

Activity Description	Date/Time	Cht #	Rate m3/min	Volume m3		Pressure MPa		Comments
				Stage	Total	Tubing	Casing	
Casing on Bottom	08/18/2012 19:30							CASING ON BOTTOM
Circulate Well	08/18/2012 19:35							RIG CIRCULATING WELL
Safety Meeting	08/18/2012 20:00							DISCUSS JOB PROCEDURE
Start Job	08/18/2012 20:07							START JOB
Test Lines	08/18/2012 20:07		1				2000.0	TEST LINES 2000PSI
Pump Spacer	08/18/2012 20:09		3.5		20		90.0	PUMP FRESHWATER SPACER
Pump Cement	08/18/2012 20:12		3.5		42		125.0	PUMP CEMENT @ 15.6 LBM/GAL
Other	08/18/2012 20:14							WEIGHED CEMENT WITH CEMENT SCALES AND MEASURED 15.6 LBM/GAL
Shutdown	08/18/2012 20:24							SHUTDOWN WASH UP TUB
Drop Top Plug	08/18/2012 20:28							DROP TOP PLUG
Pump Displacement	08/18/2012 20:29		2		19		70.0	PUMP FRESHWATER DISPLACEMENT
Cement Returns to Surface	08/18/2012 20:29		2		19		70.0	GOT CEMENT RETURNS TO SURFACE AND GOT BACK TOTAL OF 19 BBL CEMENT BACK TO SURFACE
Bump Plug	08/18/2012 20:37		2		19		1020.0	BUMP PLUG 500PSI OVER
Post-Job Safety Meeting (Pre Rig-Down)	08/18/2012 21:15							DISCUSS RIG DOWN PROCEDURE COMPANY MAN WANTS TO KEEP PLUG CONTAINER FOR FOUR HOURS
Rig-Down Equipment	08/18/2012 22:00							BEGAN RIGGING DOWN EQUIPMENT
Rig-Down Completed	08/18/2012 23:20							ALL IRON BACK ON TRUCKS
Depart Location Safety Meeting	08/18/2012 23:30							DISCUSS ROUTE TO HALLIBURTON LOCATION
Activity Description	Date/Time	Cht	Rate m3/min	Volume m3		Pressure MPa		Comments

Sold To # : 340078

Ship To # : 2946223

Quote # :

Sales Order # :

9753743

# HALLIBURTON

## *Cementing Job Log*

		#		Stage	Total	Tubing	Casing	
Depart Location Safety Meeting	08/18/2012 23:45							THANK YOU FOR USING HALLIBURTON AND CREW

Sold To # : 340078

Ship To # : 2946223

Quote # :

Sales Order # :

9753743



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 J	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	3445.9 ft	Job Started	26 - Aug - 2012	08:30
Water Depth			Wk Ht Above Floor	5. ft	Job Completed	26 - Aug - 2012	09:33
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 <sup>3</sup> /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							
<b>Calculated Values</b>		<b>Pressures</b>			<b>Volumes</b>				
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	
<b>Rates</b>									
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		
<b>The Information Stated Herein Is Correct</b>				Customer Representative Signature					



*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 340078	<b>Ship To #:</b> 2946223	<b>Quote #:</b>	<b>Sales Order #:</b> 9770139
<b>Customer:</b> ENCANA OIL & GAS (USA) INC. - EBUS		<b>Customer Rep:</b> Perry, Carey	
<b>Well Name:</b> Nattier 16V		<b>Well #:</b> 1 SWD	<b>API/UWI #:</b> 15-079-20692
<b>Field:</b>	<b>City (SAP):</b> NEWTON	<b>County/Parish:</b> Harvey	<b>State:</b> Kansas
<b>Legal Description:</b> Section 16 Township 24S Range 2E			
<b>Lat:</b> N 0 deg. OR N 0 deg. 0 min. 0 secs.		<b>Long:</b> E 0 deg. OR E 0 deg. 0 min. 0 secs.	
<b>Contractor:</b> Precision		<b>Rig/Platform Name/Num:</b> Precicison 207	
<b>Job Purpose:</b> Cement Intermediate Casing			<b>Ticket Amount:</b>
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Intermediate Casing	
<b>Sales Person:</b> DAIGLE, COLTER		<b>Srvc Supervisor:</b> AGUILERA, FABIAN	<b>MBU ID Emp #:</b> 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

Sold To # : 340078

Ship To # :2946223

Quote # :

Sales Order # : 9770139

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