KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1115603

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34681
Name: EnCana Oil & Gas (USA) Inc.
Address 1: 5851 LEGACY CIRCLE
Address 2:
City: PLANO State: TX Zip: 75024 + __ __ __ __
Contact Person: Sharon Cook
Phone: (469) 304-6345
CONTRACTOR: License # 33923
Name: Precision Drilling, LLC
Wellsite Geologist: Jeff Faber
Purchaser: NA

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
☐ Conv. to GSW
☐ Plug Back: Plug Back Total Depth
☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

09/21/2012	09/25/2012	09/25/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-135-25450-01-00
Spot Description:
SW - SE - SW - SE Sec. 1 Twp. 20 S. R. 25 ☐ East ☑ West
243 Feet from ☐ North / ☑ South Line of Section
1905 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW
County: Ness
Lease Name: Kerr 12H Well #: 1
Field Name: Unnamed
Producing Formation: None
Elevation: Ground: 2356 Kelly Bushing: 2372
Total Depth: 2665 Plug Back Total Depth: 0
Amount of Surface Pipe Set and Cemented at: 1410 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: 4000 ppm Fluid volume: 100 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: American Warrior
Lease Name: O'Brate License #: 405
Quarter NW Sec. 36 Twp. 22 S. R. 23 ☐ East ☑ West
County: Hodgeman Permit #: unknown

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

☑ **Letter of Confidentiality Received**
Date: 02/20/2013
☐ **Confidential Release Date:**
☐ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 02/27/2013

Side Two

1115603

Operator Name: EnCana Oil & Gas (USA) Inc. Lease Name: Kerr 12H Well #: 1

Sec. 1 Twp. 20 S. R. 25 ☐ East ☑ West County: Ness

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No
Electric Log Run ☐ Yes ☑ No
Electric Log Submitted Electronically ☐ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Cedar Hills	1095	
Anhydrite	1659	

CASING RECORD ☑ New ☐ 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
Conductor	16	14	13.25	70	Grout	6	
Surface	12.25	9.625	32	1410	Standard	620	

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	-			
	-			

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

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:
	NA	NA	NA	☐ 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

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

DrillRight™ TECHNOLOGY, INC.

Survey Calculation Program

Encana Oil & Gas
Precision 209
Kerr 12H-1
Ness Co., KS

M.W.D. OPERATOR: K. Harris/S.Folmar
DIRECTIONAL DRILLERS: R. Snider/ B. Spurgeon

Magnetic Declination: 6.79
Job #: 1209148
Vertical Section Azimuth 180.54

Minimum Curvature Calculation

No.	Survey Depth	INC	AZM	TVD	N-S	E-W	Vertical Section	DLS/ 100
Tie	1340	0.62	260.92	1339.98	-0.04	-3.24	-0.04	
1	1437	0.5	252.4	1436.98	-0.25	-4.16	0.29	0.15
2	1499	0.5	232.1	1498.97	-0.50	-4.63	0.54	0.28
3	1560	0.7	254.3	1559.97	-0.76	-5.20	0.81	0.50
4	1622	0.8	269.3	1621.96	-0.87	-6.00	0.93	0.35
5	1712	0.6	250.2	1711.96	-1.04	-7.07	1.10	0.34
6	1803	0.6	279.7	1802.95	-1.12	-7.99	1.19	0.34
7	1893	0.7	259.2	1892.95	-1.14	-8.99	1.23	0.28
8	1984	0.6	279.5	1983.94	-1.17	-10.01	1.26	0.27
9	2074	0.6	262.9	2073.94	-1.15	-10.94	1.25	0.19
10	2164	0.6	273.4	2163.93	-1.18	-11.88	1.29	0.12
11	2255	0.6	255.2	2254.93	-1.27	-12.82	1.39	0.21
12	2345	0.4	234.5	2344.92	-1.58	-13.53	1.70	0.30
13	2436	0.4	228.3	2435.92	-1.97	-14.02	2.10	0.05
14	2526	0.3	156.3	2525.92	-2.40	-14.16	2.53	0.47
15	2616	0.5	273.6	2615.92	-2.59	-14.46	2.72	0.77
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HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 340078	**Ship To #:** 2946886	**Quote #:**	**Sales Order #:** 9833643
Customer: ENCANA OIL & GAS (USA) INC. - EBUS		**Customer Rep:** Willson, Rodney	
Well Name: Kerr 12H	**Well #:** 1		**API/UWI #:** 15-135-35450
Field:	**City (SAP):** NESS CITY	**County/Parish:** Ness	**State:** Kansas
Legal Description: Section 1 Township 20S Range 25W			
Contractor: Precision	**Rig/Platform Name/Num:** 209		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	**Job Type:** Cement Surface 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 #
BERUMEN, EDUARDO	12	267804	KLAUSE, JOHN David	11	456246	RAMIREZ, JORGE M.	12	498481
WIFA, HENRY Neniebari	11	491916						

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
9-21/22	12	5						
TOTAL								

Total is the sum of each column separately

Job

Formation Name					
Formation Depth (MD)	**Top**		**Bottom**		
Form Type		**BHST**			
Job depth MD	1611. m	**Job Depth TVD**	1611. m		
Water Depth		**Wk Ht Above Floor**			
Perforation Depth (MD)	**From**		**To**		

Job Times

	Date	Time	Time Zone
Called Out			
On Location			
Job Started			
Job Completed			
Departed Loc			

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.	1612.		
Preset Conductor	Unknown		14.	13.344	50.		J-55	.	60.		
Surface Casing	Unknown		9.625	8.921	36.		J-55	.	1611.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG,TOP,9 5/8,HWE,8.16 MIN/9.06 MA	1	EA		
SUGAR - GRANULATED	100	LB		

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	

HALLIBURTON

Cementing Job Summary

Fluid Data

Stage/Plug #: 1

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	ExtendaCem	EXTENDACEM (TM) SYSTEM (452981)	340.0	sacks	12.4	2.09	11.5		11.5
	0.25 lbm	POLY-E-FLAKE (101216940)							
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	11.495 Gal	FRESH WATER							
2	HalCem	HALCEM (TM) SYSTEM (452986)	280.0	sacks	15.6	1.19	5.3		5.3
	1 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.125 lbm	POLY-E-FLAKE (101216940)							
	5.302 Gal	FRESH WATER							
3	Displacement (TBC)		108.00	bbl	.	.0	.0	.0	
4	Top Out Cement	CMT - STANDARD CEMENT (100003684)		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							

Calculated Values		Pressures		Volumes					
Displacement	108	Shut In: Instant	1149	Lost Returns	0	Cement Slurry	129/59	Pad	
Top Of Cement	SURFACE	5 Min	X	Cement Returns	68	Actual Displacement	107	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	

Rates

Circulating	6	Mixing	6	Displacement	7	Avg. Job	6.5

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

Rodney W Wils

HALLIBURTON

Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 340078	**Ship To #:** 2946886	**Quote #:**	**Sales Order #:** 9833643
Customer: ENCANA OIL & GAS (USA) INC. - EBUS		**Customer Rep:** Willson, Rodney	
Well Name: Kerr 12H	**Well #:** 1		**API/UWI #:** 15-135-35450
Field:	**City (SAP):** NESS CITY	**County/Parish:** Ness	**State:** Kansas
Legal Description: Section 1 Township 20S Range 25W			
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 Surface Casing			**Ticket Amount:**
Well Type: Development Well	**Job Type:** Cement Surface Casing		
Sales Person: DAIGLE, COLTER	**Srvc Supervisor:** KLAUSE, JOHN		**MBU ID Emp #:** 456246

Activity Description	Date/Time	Cht #	Rate m3/min	Volume m3		Pressure MPa		Comments
				Stage	Total	Tubing	Casing	
Call Out	09/21/2012 12:00							
Pre-Convoy Safety Meeting	09/21/2012 14:00							DISCUSS ROAD CONDITIONS AND ROUTE TO TAKE; CALL DISPATCH FOR JOURNEY MGMT.
Depart from Service Center or Other Site	09/21/2012 14:30							
Arrive At Loc	09/21/2012 20:00							CUSTOMER PULLING COLLARS; CASING CREW RIGGING UP
Assessment Of Location Safety Meeting	09/21/2012 20:15							TIGHT LOCATION; WAITING ON CUSTOMER TO SPOT EQUIPMENT ON LOCATION
Other	09/21/2012 21:15							CUSTOMER RUNINNG CASING
Other	09/21/2012 22:15							RUNNING CASING
Pre-Rig Up Safety Meeting	09/21/2012 23:00							EQUIPMENTMENT SPOTTED IN; PRE-RIG UP SAFTEY MEETING; STAY OUT OF RED ZONE WHILE CASING CREW BRINGING EQUIPMENT DOWN V-DOOR
Other	09/21/2012 23:47							CASING CREW ON LAST JOINT OF PIPE; WASHING DOWN LAST TWO JOINTS
Rig-Up Completed	09/22/2012 01:00							HES RIG-UP COMPLETE

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate m3/ min	Volume m3		Pressure MPa		Comments
				Stage	Total	Tubing	Casing	
Pre-Job Safety Meeting	09/22/2012 01:40							DISCUSS POSSIBLE HAZARDS DURING CEMENT JOB
Test Lines	09/22/2012 02:10							LINES TESTED; NO LEAKS
Pump Spacer	09/22/2012 02:15		3.1	20			159.0	PUMP FRESH WATER
Pump Lead Cement	09/22/2012 02:25		5.1	127			170.0	PUMP LEAD SLURRY @ 12.4# (340 SKS)
Pump Tail Cement	09/22/2012 02:47		5	59			132.0	PUMP TAIL SLURRY @ 15.6# (280 SKS)
Drop Top Plug	09/22/2012 03:03							CUSTOMER WITNESSED
Pump Displacement	09/22/2012 03:03		8	108			122.0	PUMP FRESH WATER DISPLACEMENT
Displ Reached Cmnt	09/22/2012 03:10							CEMENT BACK TO SURFACE @ 40 BBLS (68 BBLS CEMENT BACK TO SURFACE
Slow Rate	09/22/2012 03:19							SLOW RATE @ 20 BBLS LEFT TO DISPLACE
Bump Plug	09/22/2012 03:24							BUMP PLUG @ 498 PSI; FINAL C.P. 1149 PSI
Check Floats	09/22/2012 03:31							FLOATS HELD; 1 BBL BACK
Pre-Rig Down Safety Meeting	09/22/2012 03:47							DISCUSS POSSIBLE TRIPPING HAZARDS AND PINCH POINTS
Rig-Down Completed	09/22/2012 05:47							
Pre-Convoy Safety Meeting	09/22/2012 06:00							DISCUSS ROUTE BACK TO YARD
Depart Location for Service Center or Other Site	09/22/2012 06:30							THANK YOU FOR USING HALLIBURTON JOHN KLAUSE AND CREW

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

Kansas
Corporation Commission

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

February 20, 2013

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

Re: ACO1
API 15-135-25450-01-00
Kerr 12H 1
SE/4 Sec.01-20S-25W
Ness 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,
Sharon Cook

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

Kansas
Corporation Commission

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

February 27, 2013

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

Re: ACO-1
API 15-135-25450-01-00
Kerr 12H 1
SE/4 Sec.01-20S-25W
Ness County, Kansas

Dear Sharon Cook:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 09/21/2012 and the ACO-1 was received on February 20, 2013 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department