

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

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**ORIGINAL**

Operator: License # 32999  
Name: Layne Christensen Canada, Ltd.  
Address: 106 West 14th Street, 7th Floor  
City/State/Zip: Kansas City, MO 64105  
Purchaser: \_\_\_\_\_  
Operator Contact Person: Jeff Mohajir  
Phone: (816) 474-7777  
Contractor: Name: Layne Christensen Canada, Ltd.  
License: 32999  
Wellsite Geologist: Larry Weis

Designate Type of Completion:  
 New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover \_\_\_\_\_  
\_\_\_\_\_ Oil \_\_\_\_\_ SWD \_\_\_\_\_ SLOW \_\_\_\_\_ Temp. Abd.  
\_\_\_\_\_ Gas \_\_\_\_\_ ENHR \_\_\_\_\_ SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)  
**LOST HOLE**  
If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
\_\_\_\_\_ Deepening \_\_\_\_\_ Re-perf. \_\_\_\_\_ Conv. to Enhr./SWD  
\_\_\_\_\_ Plug Back \_\_\_\_\_ Plug Back Total Depth  
\_\_\_\_\_ Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
\_\_\_\_\_ Other (SWD or Enhr.?) \_\_\_\_\_ Docket No. \_\_\_\_\_

August 31, 2002      August 31, 2002  
Spud Date or      Date Reached TD      Completion Date or  
Recompletion Date                Recompletion Date

API No. 15 - 125-30166 -00-00  
County: Montgomery  
NE - NE - \_\_\_\_\_ Sec. 8 Twp. 33 S. R. 16  East  West  
660 feet from S / (N) (circle one) Line of Section  
660 feet from (E) / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) (NE) SE NW SW  
Lease Name: H. Henderson Well #: 1-8  
Field Name: Brewster

Producing Formation: Cherokee Coals  
Elevation: Ground: 820 Kelly Bushing: 823  
Total Depth: 890 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at 21 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.  
**ALT II P&A WITH 2-5-07**

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit)  
Chloride content N/A ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used N/A - Air Drilled  
Location of fluid disposal if hauled offsite: **RECEIVED STATE CORPORATION COMMISSION**  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ East \_\_\_\_\_ West \_\_\_\_\_  
County: \_\_\_\_\_ Docket No.: **CONSERVATION DIVISION WICHITA, KANSAS**

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: \_\_\_\_\_  
Title: Agent Date: 1-9-03  
Subscribed and sworn to before me this 9<sup>th</sup> day of January, 2003  
Notary Public: Sherryk Watson  
Date Commission Expires: \_\_\_\_\_  
**SHERRY K. WATSON**  
Notary Public - Notary Seal  
STATE OF MISSOURI  
Jackson County

**KCC Office Use ONLY**  
\_\_\_\_\_ Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
\_\_\_\_\_ Wireline Log Received  
\_\_\_\_\_ Geologist Report Received  
\_\_\_\_\_ UIC Distribution

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Side Two

ORIGINAL

Operator Name: Layne Christensen Canada, Ltd. Lease Name: H. Henderson Well #: 1-8
Sec. 8 Twp. 33 S. R. 16 East West County: Montgomery

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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken [ ] Yes [x] No
Samples Sent to Geological Survey [ ] Yes [x] No
Cores Taken Yes [x] No
Electric Log Run Yes [x] No
List All E. Logs Run:
Log Formation (Top), Depth and Datum Sample
Name Top Datum
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CASING RECORD New Used
Report all strings set-conductor, surface, intermediate, production, etc.
Table with 8 columns: 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
Table with 4 columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used
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WICHITA, KANSAS

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
Table with 3 columns

TUBING RECORD Size Set At Packer At Liner Run Yes [x] 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 METHOD OF COMPLETION Production Interval
[ ] Vented [ ] Sold [ ] Used on Lease [ ] Open Hole [ ] Perf. [ ] Dually Comp. [ ] Commingled
(If vented, Submit ACO-18.) [ ] Other (Specify)



0  
Drilling Summary

Well Name **H.HENDERSON,NE-NE-SEC-8-TWP-33S-R-16E** AFE # **H.HENDERSON,1-8**  
U.W.ID **125-30166-0000** Est'd Cost **21,399**

LAYNE ENERGY				Bit Summary								Lic. # 125-30166-0000			
Supervisor	Robert Winters	K.B.Elev.	823.3	No	Size	Type	Jets	Depth In	Depth Out	Feet	Hours	Cum. Hr	F/Hrs	Condition	Serial #
Contractor	LAYNE RIG # 219	G.L.Elev.	820	1A	12 1/4	RR	OPEN	0	21	21.0	1.5	1.5	14.0	5-5-E-1	26418
Rig Release	19:00HRS 01-09-02	KB-Csg Flg	3.3	0	0	0	0	0	0	0.0	0	0	0.0	0%	0
Time Summary			T.D.	890	2	7 7/8	Concave	2x16/32	21	890	869.0	12	12	72.4	2F914
Operation	Hours	Operation	Hours												
Drilling	12.00	Clean to Bottom								0.0				0.0	
Tripping	1.25	Logging	0.00							0.0				0.0	
Rig Service		Rig Repair	0.00							0.0				0.0	
Survey	0.00	Loss circ								0.0				0.0	
Circulate	0.00	Reaming	0.00							0.0				0.0	
Cementing	0.50	Coring	0.00							0.0				0.0	
Run Casing	0.00	Mud up	0.00												
Safety Meeting	0.25	Spud in 18:00hrs, 31 Aug 02		Cementing Details											
STANDBY	0.00	Set surface @19:00hrs		String	Depth	Sks	Cement and Additives							Returns	
Move Rig	0.00	W.O.C		Surface	21.0	8	Portland class "A"							Surf	
Rig Up / Down	2.75	Drill out 03:00hrs, 01-09-02		Intermediate											
Nipple Up / Down	0.00	Rig to twistoff @15:00hrs		Production	0.0	150									
WOC / Weld	8.00	POOH,		Plug			Thixotropic+gilsonite							Surf	
Lay Down Drill String	0.00	Rig out @ 16:30hrs 1/9/02		Service Co.	BLUESTAR										
Handle Tools	0.00	Move to Henderson 9-8		D.S.T Summary								Mud Summary			
Work Pipe	0.00	No night shift		No.	Form'in	From	To	Description	From	To	Type & Remarks				
										21	Air				
										21	890	Air/mist Hammer			
										0	0	0			
										0					
										0					
									Supplier		FUD MUD				
				Tubular Details											
				Supplier	Tristate & Spartan										
Drilling Remarks & Problems															
Surface	Major bed rock 0 - 30 ft.			String	Size	Weight	Grade	Thread	Range	Landed Depth	Make	Remarks			
Main hole	12.0 hrs			Surface	8.65	23	H-40	T & C -8m	3	21.00	Paragon				
	6" I R Hammer, 7 7/8 concave bit			Intermediate	0	0	0	0	0		0				
	Rig to 900ft in 12hrs			Production	5.5	15.5	J-55	ST&C-8md	3	0.0	Newport				
	Low torque on bit when shank let go			Liner	0	0	0	0	0		0				
	44hrs on bit			Other											
	Rig to skid hole, would have to mill out Bit matrices & carbites			Other											
	Redrill Henderson 1-8, When Intent is Filed			Remarks EDRILL HENDERSON AT AN LATER DATE											
	Rig to plug hole At an later date														

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BLUE STAR  
ACID SERVICE, INC.

CONSERVATION DIVISION  
PO Box 103 WICHITA, KANSAS  
Eureka, Kansas 67045 Cementing Ticket  
and Invoice Number

No 3743

Date	Customer Order No	Seci	Trp	Range	Truck Called Out	On Location	pm	Job Began	pm	Job Completed	pm
9-6-02		8	335	16E		7:45		8:00		9:15	
Owner	Contractor				Charge To						
Layne Energy	Layne Christensen Company				Layne Energy						
Mailing Address	City				State						
1345 Highfield Crescent S.E.	CALGARY				ALBERTA		TAGSNA				
Well No. & Form	Place		County			State					
H. Henderson 1-B			Montgomery			KANSAS					
Depth of Well	Depth of Job	Casing	(New)	Size	Size of Hole Ann. and Kind of Cement	Cement Left in casing by	Required				
890'	880'		(Used)	Weight			200 SKS	Necessity			
Kind of Job					Drillpipe	(Rotary)	Truck No.				
P.T.A.					Tubing	(Cable)	#12				

Remarks: Safety Meeting: RAN Drill Pipe to 880'.  
 Spot Solid Cement Plug From 880' to 440' with 100 SKS Regular CLASS "A" Cement.  
 Pull Drill Pipe up to 440'  
 Spot Solid Cement Plug From 440' to Surface with 100 SKS Regular CLASS "A" Cement.  
 TOTAL OF 200 SKS Cement. Job Complete.

Price Reference No. #1  
 Price of Job 665.00  
 Second Stage  
 Message IN field N.C.  
 Other Charges  
 Total Charges 665.00

Cementor KEVIN MCCOY  
 Helper Mike, Justin  
 District EUREKA State KANSAS  
 The above job was done under supervision of the owner, operator or his agent whose signature appears below  
 Thank You  
 x- Robert [Signature] Agent of contractor or operator

Sales Ticket for Materials Only

Quantity Sacks	BRAND AND TYPE	PRICE	TOTAL
200 SKS	Regular Class "A" Cement	7.75	1550.00
750 #	G6L 4%	9.50	71.25
280 #	CAOIA 1 1/2%	.35	98.00
50 #	Flocelc 1/4 # per/sk	1.00	50.00
Plugs	200 SKS Handling & Dumping	.50	100.00
	9.4 TONS Message 60	.80	451.20
	Sub Total		2895.45
	Delivered by Truck No. #16	Discount	
	Delivered from EUREKA	Sales Tax 6.3%	182.41
	Signature of operator Kevin McCoy	Total	3077.86

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**GEOLOGIC REPORT**

LAYNE CHRISTENSEN CANADA, LTD.  
HENDERSON 1-8  
NE NE 660' FNL, 660' FEL  
Section 8-33S-16E  
MONTGOMERY COUNTY, KANSAS

Drilled: August 31, 2002  
A.P.I.# 125-30166-00.00  
Ground Elevation: 820'  
Kelly Bushing Elevation: 823'  
Depth Driller: 890  
Drilled from surface to 890' with air  
Surface Casing: 8.65 to 21'  
Cemented by Blue Star  
Note: Drilling abandoned at 890' with twisted off bit. Hole plugged.

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