

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

**CONFIDENTIAL**

**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)

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. \_\_\_\_\_

<u>September 7, 2002</u>	<u>September 8, 2002</u>	
Spud Date or	Date Reached TD	Completion Date or
Recompletion Date		Recompletion Date

API No. 15 - 125-30167  
County: Montgomery  
SW NE Sec. 8 Twp. 33 S. R. 16  East  West  
2317 feet from S / (N) Line of Section  
2190 feet from (E) / (W) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) (NE) SE NW SW  
Lease Name: H. Henderson Well #: 7-8  
Field Name: Brewster

Producing Formation: Cherokee Coals  
Elevation: Ground: 845 Kelly Bushing: 848  
Total Depth: 1254 Plug Back Total Depth: 1211  
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 1251  
feet depth to Surface w/ 150 sx cmt.

Drilling Fluid Management Plan  
(Data must be collected from the Reserve Pit)  
Chloride content N/A ppm Fluid volume 2-6-07 bbls  
Dewatering method used N/A - Air Drilled

Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No. \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_ East West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

*Act II with  
2-6-07*

**JAN 10 2003**

**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,  
19 2003  
Notary Public: Sherryk Watson  
Date Commission Expires: \_\_\_\_\_

**SHERRY K. WATSON**  
Notary Public - Notary Seal  
STATE OF MISSOURI  
Jackson County  
My Commission Expires Nov. 20, 2006

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

✓

X

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Side Two

ORIGINAL

Operator Name: Layne Christensen Canada, Ltd. Lease Name: H. Henderson Well #: 7-8
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 (Attach Additional Sheets)

Samples Sent to Geological Survey [ ] Yes [x] No

Cores Taken Yes [x] No

Electric Log Run [x] Yes No (Submit Copy)

List All E. Logs Run:

Compensated Density Neutron
Dual Induction

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Table with 3 columns: Name, Formation (Top), Depth and Datum, Sample. Rows include Pawnee Lime, Excello Shale, V Shale, Weir - Pitt Coal, and Mississippian.

CASING RECORD table with 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. Rows for Surface and Casing.

ADDITIONAL CEMENTING / SQUEEZE RECORD table with columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives.

PERFORATION RECORD table with columns: Shots Per Foot, PERFORATION RECORD - Bridge Plugs Set/Type, Acid, Fracture, Shot, Cement Squeeze Record, Depth. Includes a stamp: STATE CORPORATION COMMISSION, JAN 10 2003, CONSERVATION DIVISION WICHITA, KANSAS.

TUBING RECORD table with columns: Size, Set At, Packer At, Liner Run, Yes/No. Includes Date of First, Resumed Production, SWD or Enhr. (SI - Waiting on completion) and Producing Method (Flowing, Pumping, Gas Lift, Other).

Disposition of Gas: [ ] Vented [ ] Sold [ ] Used on Lease (If vented, Submit ACO-18.)
METHOD OF COMPLETION: [ ] Open Hole [ ] Perf. [ ] Dually Comp. [ ] Commingled [ ] Other (Specify)

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**GEOLOGIC REPORT**

LAYNE CHRISTENSEN CANADA, LTD.  
HENDERSON 7-8  
SW NE 2,317' FNL, 2,190' FEL  
Section 8-33S-16E  
MONTGOMERY COUNTY, KANSAS

STATE CORPORATION COMMISSION

JAN 10 2003

CONSERVATION DIVISION  
WICHITA, KANSAS

Drilled: September 7 – September 8, 2002  
Logged: September 8, 2002  
A.P.I.# 125-30167-00.00  
Ground Elevation: 845'  
Kelly Bushing Elevation: 848'  
Derrick Floor: 848'  
Depth Driller: 1254'  
Depth Logger: 1257'  
Drilled from surface to 1254' with air  
Surface Casing: 8.65 to 21'  
Production Casing: 5.5" to 1251'  
Cemented by Blue Star  
Bottom Hole Temperature: 88 Degrees  
Open Hole Logs (Osage Wireline) : High Resolution Compensated Density  
Neutron; Dual Induction SFL/GR

**FORMATION**

**TOPS (in feet below kelly bushing)**

Lenapah Lime	352
Altamont Lime	405
Wiser Sand	450
Pawnee Lime	566
First Oswego	661
Summit Coal	698
Excello Shale	729
Iron Post Coal	755
Bevier Coal	762
V-Shale	780
Fleming Coal	790
Mineral Coal	821
Weir Pitt Coal	893
Rowe Coal	1093
Riverton Coal	1148
Mississippian	1163



0  
Drilling Summary

Well Name H.HENDERSON-SW-NE-SEC-8-TWP-33S-R-16E AFE # H.HENDERSON 7-8  
U.W.ID 125-30167-0000 Est'd Cost 39,618

LAYNE ENERGY				Bit Summary										Lic. # 125-30167-0000	
Supervisor	Robert Winters	K.B.Elev.	851.3	No	Size	Type	Jets	Depth In	Depth Out	Feet	Hours	Cum. Hr	F/Hrs	Condition	Serial #
Contractor	LAYNE RIG # 219	G.L.Elev.	848	1A	12 1/4	RR	OPEN	0	21	21.0	1.5	1.5	14.0	5-5-E-1	26418
Rig Release	9/8/02 0:00	KB-Csg Flg	3.3	0	0	0	0	0	0	0.0	0	0	0.0	0%	0
Time Summary		T.D.	1254	2	7 7/8	concave	2x16/32	21	1251	1230.0	17.75	17.75			100288
Operation	Hours	Operation	Hours												
Drilling	17.75	Clean to Bottom								0.0			0.0		
Tripping	1.25	Logging	1.75							0.0			0.0		
Rig Service		Rig Repair	0.00							0.0			0.0		
Survey	0.00	Loss circ								0.0			0.0		
Circulate	2.00	Reaming								0.0			0.0		
Cementing	0.50	Coring								0.0			0.0		
Run Casing	1.75	Mud up	0.00												
Safety Meeting	0.25	Spud in 12:15hrs,07-09-02													
STANDBY	0.00	Set surface 01:30hrs													
Move Rig	0.00	W.O.C													
Rig Up / Down	4.00	Hammer 7 7/8 to T.D 02:30hrs 08-09-													
Nipple Up / Down	0.00	Circ 1.0, Trip, Log 1.75hrs													
WOC / Weld	8.00	Run casing, Circ 1.0hrs													
Lay Down Drill String	0.00	Cement bluestar, 09:00hrs													
Handle Tools	0.00	Plug down 09:30hrs													
Work Pipe	0.00	Clean out tanks, Rig out													
Log Record:				Cementing Details											
Company	OSAGE			String	Depth	Sks	Cement and Additives						Returns		
Interval	Type	Interval	Type	Surface	21.0	8	Portland class "A"						Surf		
T.D.Surf	Daul ind			Intermediate											
	Bulk Dens			Production	1251.0	150									
				Plug			Thickset+Gilonite						Surf		
				Service Co.	BLUESTAR										
D.S.T Summary				Mud Summary											
				No.	Form'in	From	To	Description				From	To	Type & Remarks	
												21		Air	
												21	1254	Hammer 7 7/8	
												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	17.75 hrs main hole			Surface	8.65	23	H-40	T & C -8m	3	21.00	Paragon				
	7 7/8 concave, 6" IR Hammer			Intermediate	0	0	0	0	0		0				
	Rig to hold casing till 15:00hrs, hole over drilled 2.5ft,			Production	5.5	15.5	J-55	LT&C-8md	3	1251.0	Newport				
				Liner	0	0	0	0	0		0				
				Other											
				Other											
Remarks				9Bbl returns to pit											

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 WICHITA, KANSAS  
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NOV 07 2002

**CONFIDENTIAL**  
**BLUE STAR**  
**ACID SERVICE, INC.**

PO Box 100  
Eureka, Kansas 67045

**ORIGINAL**  
**No 3744**

Date	Customer Order No.	Sect.	Twp.	Range	Truck Called Out	On Location	Job Began	Job Completed
9-8-02		8	335	16E	6:30 AM	8:00 AM	8:45 AM	9:25 AM
Owner		Contractor			Charge To			
Layne Energy		Layne Christensen Company			Layne Energy			
Mailing Address		City			State			
1345 Highfield Crescent S.E.		Calgary			Alberta T2G5N2			
Well No. & Form		Place			County		State	
H. Henderson # 7-8		Montgomery			7E		KANSAS	
Depth of Well	Depth of Job	Casing	Size	Weight	Size of Hole	Amt. and Kind of Cement	Cement Left in casing by	Request Necessity
1254'	1254'	(New) (Used)	5 1/2"	15.50 #	7 1/8"	150 SKS		43' feet
Kind of Job					Drillpipe	Rotary Cable		Truck No.
Long string								#12

Price Reference No.	# 1
Price of Job	665.00
Second Stage	
Mileage	135.00
Other Charges	
Total Charges	800.00

Remarks: Safety Meeting: Rig up to 5 1/2" casing. Break circulation with 15 bbl fresh water. mixed 70 SKS Thick Set Cement with 10" Gilsonite per/sk @ 12.8 # per/gal. Tail in with 80 SKS Thick Set Cement with 10" Gilsonite per/sk @ 13.4 # per/gal. Shut down wash out Pump & Lines. Release Plug. Displace with 28.75 Bbl Fresh water @ 2 BPM. Final Pumping Pressure 350 PSI. Pump Plug to 850 P91. wait 5 minutes. Check float. float held. Shut casing in @ 0 PSI. Good Cement Returns to SURFACE = 9 Bbl. Shurry = 30 sec. Job Complete. Rig down.

Cementor: Kevin McCoy      Job Complete. Rig down.

Helper: Mike Monti, Russ      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 Williams  
Agent of contractor or operator

Sales Ticket for Materials Only

Quantity Sacks	BRAND AND TYPE	PRICE	TOTAL
150 SKS	Thick Set Cement	10.75	1612.50
1500 #	Gilsonite 10" per/sk	.30	450.00
JAN 10 2003			
3 hrs	80 Bbl Vac Truck #13	60.00	180.00
1	Load City water	15.00	15.00
1	5 1/2" INSERT Flapper Valve	92.00	92.00
1	5 1/2" Top Rubber Plug	40.00	40.00
Plugs	150 SKS Handling & Dumping	.50	75.00
	8.75 miles Mileage	.80	396.00
	Sub Total		3660.50
	Delivered by Truck No. #16	Discount	
	Delivered from Eureka	Sales Tax	6.3%
	Signature of operator <u>Kevin McCoy</u>	Total	3891.11