

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

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  SIOW  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. \_\_\_\_\_

September 3, 2002 September 4, 2002  
Spud Date or Date Reached TD Completion Date or Recompletion Date

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API No. 15 - 125-30168 0000  
County: Montgomery  
NE SE \_\_\_\_\_ Sec. 8 Twp. 33 S. R. 16  East  West  
2156 feet from  N (circle one) Line of Section  
584 feet from  W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE  SE NW SW  
Lease Name: H. Henderson Well #: 9-8  
Field Name: Brewster  
Producing Formation: Cherokee Coals  
Elevation: Ground: 829 Kelly Bushing: 832  
Total Depth: 1231 Plug Back Total Depth: 1189  
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 1229.5  
feet depth to Surface w/ 150 sx cmt.

Drilling Fluid Management Plan  
(Data must be collected from the Reserve Pit) AC II water  
2-6-02  
Chloride content N/A ppm Fluid volume RECEIVED bbls  
Dewatering method used N/A - Air Drilled  
Location of fluid disposal if hauled offsite: JAN 10 2003  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_ East West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**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: Sherry K. 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

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Side Two

ORIGINAL

Operator Name: Layne Christensen Canada, Ltd. Lease Name: H. Henderson Well #: 9-8
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 (Attach Additional Sheets)
Samples Sent to Geological Survey
Cores Taken
Electric Log Run (Submit Copy)
List All E. Logs Run:
Compensated Density Neutron
Dual Induction
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Log Formation (Top), Depth and Datum Sample
Name Top Datum
Pawnee Lime 550 KB 282
Excello Shale 711 KB 121
V Shale 762 KB 70
Weir - Pitt Coal 889 KB -57
Mississippian 1151 KB -319

CASING RECORD
Report all strings set-conductor, surface, intermediate, production, etc.
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

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

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
STATE CORPORATION COMMISSION
JAN 10 2003
CONSERVATION DIVISION WICHITA, KANSAS

TUBING RECORD
Size Set At Packer At Liner Run Yes No
Date of First, Resumed Production, SWD or Enhr. SI - Waiting on completion
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
Other (Specify)

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ORIGINAL

**GEOLOGIC REPORT**

LAYNE CHRISTENSEN CANADA, LTD.  
HENDERSON 9-8  
NE SE 2,156' FSL, 584' FEL  
Section 8-33S-16E  
MONTGOMERY COUNTY, KANSAS

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RECEIVED  
STATE CORPORATION COMMISSION

JAN 10 2003

CONSERVATION DIVISION  
WICHITA, KANSAS

Drilled: September 3 – September 4, 2002  
Logged: August 4, 2002  
A.P.I.# 125-30168-00.00  
Ground Elevation: 829'  
Kelly Bushing Elevation: 832'  
Derrick Floor: 832'  
Depth Driller: 1231'  
Depth Logger: 1231'  
Drilled from surface to 1231' with air  
Surface Casing: 8.65 to 21'  
Production Casing: 5.5" to 1228'  
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	341
Altamont Lime	392
Pawnee Lime	550
First Oswego	646
Summit Coal	685
Excello Shale	711
Iron Post Coal	738
Bevier Coal	745
V-Shale	762
Fleming Coal	773
Mineral Coal	804
Weir Pitt Coal	889
Rowe Coal	1079
Riverton Coal	1137
Mississippian	1151



# Drilling Summary

Well Name				H				AFE #				H.HENDEY 19-8			
U.W.ID				125-30168-0000				Est'd Cost				35,414			
Supervisor	Robert Winters	K.B.Elev.	833.3	No	Size	Type	Jets	Depth In	Depth Out	Feel	Hours	Cum. Hrs	F/Hrs	Condition	Serial #
Contractor	LAYNE RIG # 218	G.L.Elev	830	1A	12 1/4	RR	OPEN		21	21.0	1.5	1.5	14.0	5-5-E-1	26418
Rig Release	04-SEPT-02,24:00HRS	KB-Csg Fig	3.3				0								
		T.D.	1229.5	2	7 7/8	UD-513	5X14	21	1229.5	1208.5	20	20	60.4	1 CHIPPED	998
Operation	Hours	Operation	Hours												
Drilling	20.00	Clean to Bottom													
Tripping	1.50	Logging	1.50												
Rig Service		Rig Repair													
Survey		Loss circ													
Circulate	2.50	Reaming													
Cementing	0.50	Coring													
Run Casing	1.50	Mud up													
Safety Meeting	0.25	Spud in 08:00hrs,03-09-02		String	Depth	Sks		Cement and Additives				Returns			
STANDBY		Set surface 09:30hrs,03-09-02		Surface	21.0	8		Portland class "A"				Surf			
Move Rig		W.O.C		Intermediate											
Rig Up / Down	3.00	Air drill 7 7/8 to t.d,13:30hrs,04-09-02		Production	1229.5	150									
Nipple Up / Down		Circ 1.5hrs,trip,Log		Plug				Thixotropic+gilsonite				Surf			
WOC / Weld	8.00	Case,5.5",Circ 1hr		Service Co.				BLUESTAR							
Lay Down Drill String		Cement with Bluestar,20:30hrs													
Handle Tools		Plug down 21:00hrs 04-09-02		No.	Form'in	From	To	Description	From	To	Type & Remarks				
Work Pipe		Clean out tanks. Rig out								21	Air				
										21	Air/must 7 7/8 PDC				
Company	OSAGE														
Interval	Type	Interval	Type												
T.D.Surf	Daul ind														
	Bulk Dens														
									Supplier		FUD MUD				
				Supplier	Tristate & Spartan										
Surface	Major bed rock 0 - 30 ft.			String	Size	Weight	Grade	Thread	Range	Landed Depth	Make	Remarks			
Main hole	20.0 hrs			Surface	8.65	23	H-40	ST & C -8rnc	3	21.00	Paragon				
	Rig to drill Main hole with 7 7/8 PDC			Intermediate											
	1Chipped pack			Production	5.5	15.5	J-55	LT&C-8rnc	3	1228.0	Newport				
	Cement density readings, 12.7,12.7,12.8,12.8,13.4,13.4,13.4			Liner											
	Cement Mix, 150sks Thickset cement			Other											
	10# Gilsonite per/sk			Other											
	4% Gel			Remarks	14Bbl returns to surface										
	6% Cal seal														
	2% Cact2														

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TO: 818164747272

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STATE CORPORATION COMMISSION  
 CONSERVATION DIVISION  
 WICHITA, KANSAS  
 JAN 10 2003

JAN-20-1999 08:23A FROM:

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STATE CORPORATION COMMISSION

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NOV 03 2002

JAN 10 2003

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CONSERVATION DIVISION  
WICHITA, KANSAS

**BLUE STAR  
ACID SERVICE, INC.**

PO Box 103  
Eureka, Kansas 67045

Cementing Ticket  
and Invoice Number

**No 3723**

Date 9-4-02	Customer Order No	Sect 8	Twp. 33S	Range 18E	Truck Called Out 5:00 AM	On Location 8:05 AM	Job Began 8:30 AM	Job Complete 9:10 AM
Owner Layne Energy		Contractor Layne Christensen Company			Charge To Layne Energy			
Mailing Address 1345 Highfield Crescent S.E.		City CALGARY			State ALBERTA T3G5N2			
Well No. & Form H. Henderson 9-B		Place		County Montgomery		State KANSAS		
Depth of Well 1231	Depth of Job 1231	Casing (New) Used	Size 5 1/2	Weight 15.50	Size of Hole Amt. and Kind of Cement 150 SKS	Cement Left in casing by	Request (Necess) 43' feet	
Kind of Job Longstring					Drillpipe	Cable (Rolan)	Truck No. #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\* Gilsomite per/sk @ 12.8\* per/GAL. Tail in with 80 SKS Thick Set Cement with 10\* Gilsomite per/sk @ 13.4\* per/GAL. Shut down. Wash out Pump & Lines. Release Plug. Displace with 28.25 bbl fresh water @ 2 BPM. Final Pumping Pressure 400 PSI. Bump Plug to 950 PSI. Wait 5 minutes. Check float float held. Shut casing in @ 0 PSI. Good Cement Returns to SURFACE = 10 bbl Slurry = 32 SKS. Job Complete. Rig down

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  
 Agent of contractor or operator: Robert White

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
3 hrs	80 BBL VAC TRUCK	60.00	180.00
1	LOAD CITY WATER	15.00	15.00
1	5 1/2 INSET FLAPPER VALVE	92.00	92.00
1	5 1/2 TOP RUBBER PLUG	40.00	40.00
	150 SKS Handling & Dumping	.50	75.00
	8.25 TONS Mileage 60	.80	376.00
	Sub Total		3,660.50
	Discount		
	Sales Tax	6.3%	230.61
	Total		3,891.11

Delivered by #16  
 Delivered from EUREKA  
 Signature of operator: Kevin McCoy