

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  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. \_\_\_\_\_  
October 2, 2002      October 3, 2002  
Spud Date or      Date Reached TD      Completion Date or  
Recompletion Date                Recompletion Date

API No. 15 - 125-30179 0000  
County: Montgomery  
NE SE \_\_\_\_\_ Sec. 32 Twp. 31 S. R. 15  East  West  
1969 feet from (S) N (circle one) Line of Section  
2209 feet from E (W) (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW (SW)  
Lease Name: T. Chism Well #: 11-32  
Field Name: Jefferson-Sycamore  
Producing Formation: Cherokee Coals  
Elevation: Ground: 840 Kelly Bushing: 843  
Total Depth: 1347 Plug Back Total Depth: 1304  
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 1345  
feet depth to Surface w/ 170 sx cmt.  
ALT II WITHIN 12-28-06

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: \_\_\_\_\_  
Operator Name: KANSAS CORPORATION COMMISSION  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. S. East JAN 13 2003  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_  
CONSERVATION DIVISION  
WICHITA, KS

**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

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

My Commission Expires Nov. 20, 2006

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Side Two

ORIGINAL

Operator Name: Layne Christensen Canada, Ltd. Lease Name: T. Chism Well #: 11-32
Sec. 32 Twp. 31 S. R. 15 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
Log Formation (Top), Depth and Datum Sample
Name Top Datum
Pawnee Lime 732 KB 111
Excello Shale 874 KB -31
V Shale 920 KB -77
Weir - Pitt Coal 1033 KB -190
Mississippian 1252 KB -409

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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
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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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## GEOLOGIC REPORT

JAN 13 2003

LAYNE CHRISTENSEN CANADA, LTD.  
T. CHISM 11-32  
NE SE 1,969' FSL, 2,209' FWL  
Section 32-31S-15E  
MONTGOMERY COUNTY, KANSAS

CONSERVATION DIVISION  
WICHITA, KS

Drilled: October 2 – October 3, 2002  
Logged: October 3, 2002  
A.P.I.# 125-30179-00.00  
Ground Elevation: 840'  
Kelly Bushing Elevation: 843'  
Derrick Floor: 843'  
Depth Driller: 1347'  
Depth Logger: 1349'  
Drilled from surface to TD with air  
Surface Casing: 8.65 @ 21'  
Production Casing: 5.5" to 1345'  
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)

Layton Sand	161
Kansas City Group	245
Lenapah Lime	549
Altamont Lime	595
Wiser Sand	630
Mulberry Coal	726
Pawnee Lime	732
Peru Sand	794
First Oswego	819
Summit Coal	848
Excello Shale	874
Bevier Coal	898
V-Shale	920
Fleming Coal	930
Mineral Coal	960
Scammon Coal	976
Tebo Coal	1007
Weir Pitt Coal	1033

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Bluejacket Coal  
Mississippian

1064  
1252

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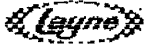
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**Drilling Summary**

Well Name **T.CHISM-NE-SW-SEC-32-TWP-31S-R-15E** AFE # **T.CHISM 11-32**  
 U.W.ID **125-30179-0000** Est'd Cost **85,000**

<b>LAYNE ENERGY</b>				<b>Bit Supply</b>				<b>125-30179-0000</b>							
Supervisor	<b>Robert Winters</b>	K.B.Elev.	853.3	No	Size	Type	Jets	Depth In	Depth Out	Feet	Hours	Cum. Hr	F/Hrs	Condition	Serial #
Contractor	<b>LAYNE RIG # 219</b>	G.L.Elev.	850	1A	12 1/4	RR	OPEN	0	21	21.0	1.5	1.5	14.0	5-5-E-I	26418
Rig Release	<b>04-OCT-02,03:30HRS</b>	KB-Csg Flg	3.3	2	8"	KHA	2x31/32	21	1345	1324.0	22.75	0	58.2	1CHIPPED%	153309

T.D.		<b>1345</b>													
Operation	Hours	Operation	Hours												
Drilling	22.75	Clean to Bottom													
Tripping	1.50	Logging	1.50												
Rig Service		Rig Repair	0.00												
Survey	#REF!	Loss circ													
Circulate	1.50	Reaming	0.00												
Cementing	0.50	Coring	0.00												
Run Casing	2.00	Mud up	0.00												

Safety Meeting	0.50	Spud in 04:30hrs,02-10-02	String	Depth	Sks	Cement and Additives		Returns
STANDBY	0.00	Set surface 09:15hrs,02-10-02	Surface	21.0	8	Portland class "A"		Surf
Move Rig	2.00	Hammer 8" to T.D,16:30hrs,03-10-	Intermediate					

Rig Up / Down	5.50	Circ air /mist.50hrs	Production	1345.0	170	Thick set cement with 10# Gilsonite per/sk		Surf
Nipple Up / Down	#REF!	trip, Log 1.5hrs	Plug			BLUE STAR		
WOC / Weld	8.00	Run casing, circ 1.25hrs	Service Co.					
Lay Down Drill String	#REF!	Cement bluestar	<b>Mud Subcontract</b>					

No.	Form'in	From	To	Description	From	To	Type & Remarks
					21		Air
					21	1345	AIR/MIST 8" HAMMER
					0	0	0
					0		
					0		
							Supplier
							FUD MUD

<b>Supplier</b>				<b>Tristate &amp; Spartan</b>			
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Surface	Major bed rock 0 - 30 ft.	String	Size	Weight	Grade	Thread	Range	Landed Depth	Make	Remarks
Main hole	22.75HRS MAIN HOLE	Surface	8.65	23	H-40	T & C -8m	3	21.00	Paragon	
	7" HAMMER, 8" BIT	Intermediate	#REF!	#REF!	#REF!	#REF!	#REF!		#REF!	
	Density readings, 12.7-12.8-12.8-12.8-12.8-13.2-13.4-13.4-13.13.	Production	5.5	15.5	J-55	LT&C-8md	3	1345.0	Newport	
	6Readings first 70sks, at 12.8per/gal. 11 Readings last 80sks at 13.4lbs/gal. 14Bbl Cement returns to vac truck	Liner	#REF!	#REF!	#REF!	#REF!	#REF!		#REF!	
	HALCO hammer very aggressive, drillers took a while to get it dailed in.	Other								
	Hole drilled 3ft shallow, casing set 3ft above surface, casing to be cutoff at an later date.	Remarks								

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BLUE STAR ACID SERVICE, INC.

PO Box 103 Eureka, Kansas 67045

Cementing Ticket and Invoice Number

No. 2859

Date	Customer Order No	Secl	Twp.	Range	Truck Called Out	On Location	Job Began	Job Completed
10-3-02		32	315	15E		8:30 pm	10:55	11:40
Owner	Contractor		Charge To					
LAYNE ENERGY	LAYNE CHRISTENSEN COMPANY		LAYNE ENERGY					
Mailing Address	City		State					
1345 Highfield Crest S.E.	CALGARY		ALBERTA T06G2					
Well No. & Form	Place	County		State				
T. Chism # 11-32		Montgomery		Kansas				
Depth of Well	Depth of Job	Casing	Size	Weight	Size of Hole Ann. and Kind of Cement	Cement Left in casing by	Request Necessary	
1347'	1347'	(New) Used	5 1/2"	15.50 #	7 7/8" 170 SKS		45'	
Kind of Job	Drillpipe		Cable		Truck No.			
Longstring			(Poly)		#12			

Price Reference No	# 1
Price of Job	665.00
Second Stage	
Mileage	60 > 135.00
Other Charges	
Total Charges	800.00

Remarks SAFETY Meeting: Rig up to 5 1/2" casing. Break circulation with 20 bbl fresh water. Mixed 80 SKS Thick Set Cement with 10" Gilsonite per/sk @ 12.8 # per/gal. Tail in with 90 SKS Thick Set Cement with 10" Gilsonite per/sk @ 13.4 # per/gal. Shut down. Wash out Pump & Lines. Release Plug. Displace with 30.75 bbl fresh water, @ 2 gpm. Final Pumping Pressure 350 PSI. Bump Plug to 850 PSI, wait 5 minutes, check floats. Floats Held. Shut casing in @ 0 PSI. Good Cement Returns to surface = 10 bbl slurry = 32 SKS.

Job Complete. Rig down.

Cementor Kevin McCoy District EUREKA State KANSAS

Helper MIKE, Justin, Jim

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
170 SKS	Thick Set Cement	10.75	1827.50
1700 #	Gilsonite 10" per/sk	.30	510.00
3 hrs	80 bbl vac truck #13	60.00	180.00
1	Lead City water	15.00	15.00
KANSAS CORPORATION COMMISSION CONSERVATION DIVISION WICHITA, KS			
1	5 1/2" INSERT Flapper Valve	92.00	92.00
1	5 1/2" Top Rubber Plug	40.00	40.00
	170 SKS Handling & Dumping	.50	85.00
	9.35 Tons Mileage 60	.80	448.80
	Sub Total		3,998.30
	Discount		
	Sales Tax	6.3%	251.89
	Total		4,250.19

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