

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

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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. _____

August 8, 2002 August 11, 2002
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 125-30135
County: Montgomery
SW SE _____ Sec. 29 Twp. 31 S. R. 15 East West
741 feet from (S) N (circle one) Line of Section
1715 feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: W. Chism Well #: 15-29
Field Name: Jefferson-Sycamore

Producing Formation: Cherokee Coals
Elevation: Ground: 959 Kelly Bushing: 962
Total Depth: 1474 Plug Back Total Depth: 1473
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 1474 TD
feet depth to Surface w/ 205 sx cmt.

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. R. _____ East West
County: _____ Docket No.: _____

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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: [Signature]
Title: Agent Date: 1-8-03

Subscribed and sworn to before me this 8 day of January,
2003

Notary Public: [Signature] SHERRY K. WATSON
Notary Public - Notary Seal

Date Commission Expires: _____
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: W. Chism Well #: 15-29
Sec. 29 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
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Log Formation (Top), Depth and Datum Sample
Name Top Datum
Pawnee Lime 866 KB 96
Excello Shale 1008 KB -46
V Shale 1055 KB -93
Weir - Pitt Coal 1167 KB -205
Mississippian 1381 KB -419

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

LAYNE CHRISTENSEN CANADA, LTD.
W. CHISM 15-29
SW SE 741' FSL, 1,715' FEL
Section 29-31S-15E
MONTGOMERY COUNTY, KANSAS

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Drilled: August 8 – August 11, 2002
Logged: August 11, 2002
A.P.I.# 125-30135-00.00
Ground Elevation: 959'
Kelly Bushing Elevation: 962'
Derrick Floor: 961'
Depth Driller: 1474'
Depth Logger: 1474'
Drilled from surface to 1126' with air
Cored 1126' to 1394' with mud
Reamed 1126' to 1394' with 7 7/8" bit
Drilled from 1394' to 1474' with mud (T.D.)
Surface Casing: 8.65 to 21'
Production Casing: 5.5" to 1474'
Cemented by Consolidated
Bottom Hole Temperature: 88 Degrees
Open Hole Logs (Osage Wireline) : High Resolution Compensated Density
Neutron; Dual Induction SFL/GR

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FORMATION

TOPS (in feet below kelly bushing)

Layton Sand	276
Kansas City Group	388
Lenapah Lime	680
Altamont Lime	725
Wiser Sand	762
Mulberry Coal	860
Pawnee Lime	866
First Oswego	955
Summit Coal	983
Excello Shale	1008
Mulky Coal	1013.8
Bevier Coal	1035
V-Shale	1055
Mineral Coal	1096
Scammon Coal	1109.5

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Cattleman Sand	1142
Weir Pitt Coal	1167
Bluejacket Coal	1204
Mississippian	1381

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Drilling Summary

Well Name **W.CHISM-SW-SE-SEC-29-TWP-31S-R-15E** AFE # **W.CHISM 15-29**
U.W.ID **125-30135-0000** Est'd Cost **39,618**

LAYNE ENERGY				Bit Summary										Lic. # 125-30135-0000		
Supervisor	Robert Winters	K.B.Elev.	965.3	No	Size	Type	Jets	Depth In	Depth Out	Feet	Hours	Cum. Hr	F/Hrs	Condition	Serial #	
Contractor	LAYNE RIG # 219	G.L.Elev.	962	1A	12 1/4	RR	OPEN	0	21	21.0	1.5	1.5	14.0	5-5-E-I	26418	
Rig Release	11-AUG-02,12:30HRS	KB-Csg Flg	3.3	0	0	0	0	0	0	0.0	0	0	0.0	0%	0	
Time Summary			T.D.	1474	2	7 7/8	R84	3X14	21	1474	1451.0	17.75	17.75	81.7	3-I	C85290
Operation	Hours	Operation	Hours	1CB	6 1/8	12PAC	OPEN	1126	1394	268.0	14.5	14.5	18.5	GOOD	5S1918	
Drilling	24.50	Clean to Bottom								0.0			0.0			
Tripping	8.00	Logging	2.50							0.0			0.0			
Rig Service		Rig Repair	0.00							0.0			0.0			
Survey	0.00	Loss circ								0.0			0.0			
Circulate	2.75	Reaming	4.00							0.0			0.0			
Cementing	1.00	Coring	14.50							0.0			0.0			
Run Casing	1.50	Mud up	0.00							0.0			0.0			
Safety Meeting				Cementing Details												
STANDBY				String												
0.00				Depth												
0.00				Sks												
0.00				Cement and Additives												
0.00				Returns												
0.00				Surface												
0.00				21.0												
0.00				8												
0.00				Portland class "A"												
0.00				Surf												
0.00				Intermediate												
0.00				Production												
0.00				1474.0												
0.00				205												
0.00				O.W.C												
0.00				Surf												
0.00				Service Co.												
0.00				CONSOLIDATED												
0.00				D.S.T Summary												
0.00				Mud Summary												
0.00				No.												
0.00				Form'in												
0.00				From												
0.00				To												
0.00				Description												
0.00				From												
0.00				To												
0.00				Type & Remarks												
0.00				Air												
0.00				21												
0.00				1474												
0.00				AIR/MISTINSERT 7 7/8												
0.00				0												
0.00				0												
0.00				0												
0.00				Supplier												
0.00				FUD MUD												
0.00				Tubular Details												
0.00				Supplier												
0.00				Tristate & Spartan												
Drilling Remarks & Problems																
Surface	Major bed rock 0 - 30 ft.			String	Size	Weight	Grade	Thread	Range	Landed Depth	Make	Remarks				
Main hole	24.5 hrs main hole			Surface	8.65	23	H-40	T & C - 8m	3	21.00	Paragon					
	4.5 hrs reaming			Intermediate	0	0	0	0	0		0					
	used 7 7/8 insert to drill main hole & to ream cole hole			Production	5.5	15.5	J-55	LT&C-8m	3	1474.0	Newport					
				Liner	0	0	0	0	0		0					
				Other												
				Other												
Remarks																
Ran two cement baskets, 1at 930ft&one at 1250ft																

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TICKET NUMBER 20610

CONSOLIDATED OIL WELL SERVICES, INC.
1 W. 14TH STREET, CHANUTE, KS 66720
316-431-9210 OR 800-467-8676

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TREATMENT REPORT

LOCATION Travis F B-well OK
FOREMAN Travis Thorne

15-29

DATE 8-11-02	CUSTOMER ACCT #	WELL NAME Wichita 11-29	QTR/QTR	SECTION 29	TWP 31	RGE 15	COUNTY Mont	FORMATION
CHARGE TO <u>Loan Energy</u>				OWNER				
MAILING ADDRESS				OPERATOR				
CITY				CONTRACTOR				
STATE				DISTANCE TO LOCATION				
ZIP CODE				TIME LEFT LOCATION				
TIME ARRIVED ON LOCATION								

WELL DATA

HOLE SIZE <u>7 1/8</u>	TOTAL DEPTH
CASING SIZE <u>5 1/2</u>	CASING DEPTH <u>1474</u>
CASING WEIGHT	CASING CONDITION
TUBING SIZE	TUBING DEPTH
TUBING WEIGHT	TUBING CONDITION
PACKER DEPTH	PERFORATIONS
SHOTS/FT	OPEN HOLE
TREATMENT VIA	

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TYPE OF TREATMENT

<input type="checkbox"/> SURFACE PIPE	<input type="checkbox"/> ACID BREAKDOWN
<input checked="" type="checkbox"/> PRODUCTION CASING	<input type="checkbox"/> ACID STIMULATION
<input type="checkbox"/> SQUEEZE CEMENT	<input type="checkbox"/> ACID SPOTTING
<input type="checkbox"/> PLUG & ABANDON	<input type="checkbox"/> FRAC
<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> FRAC + NITROGEN
<input type="checkbox"/> MISC PUMP	<input type="checkbox"/> FOAM FRAC
<input type="checkbox"/> OTHER	<input type="checkbox"/> NITROGEN

PRESSURE LIMITATIONS

	THEORETICAL	INSTRUCTED
SURFACE PIPE		
ANNULUS LONG STRING		
TUBING		

INSTRUCTION PRIOR TO JOB

JOB SUMMARY

DESCRIPTION OF JOB EVENTS

Pumped 15 BBL Ahead of water then pump 100 SKS
of 40/60 pot mix 12 1/2 # Gels. 2% gel 1070 SALT then pump
105 SK of OWC 12 1/2 # Gels with shot down cleaned out
line pumped 35 BBL of water displacing plug to bottom circulation
Cement to surface set plug at 1200ft

PRESSURE SUMMARY

BREAKDOWN or CIRCULATING	psi
FINAL DISPLACEMENT	psi
ANNULUS	psi
MAXIMUM	psi
MINIMUM	psi
AVERAGE	psi
ISIP	psi
5 MIN SIP	psi
15 MIN SIP	psi

TREATMENT RATE

BREAKDOWN BPM
INITIAL BPM
FINAL BPM
MINIMUM BPM
MAXIMUM BPM
AVERAGE BPM

AUTHORIZATION TO PROCEED

J. Halter

TITLE

DATE

TERMS AND CONDITIONS STATED ON THE REVERSE SIDE ARE INCORPORATED AS PART OF THIS SALE.