

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

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 10, 02 September 11, 02
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

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API No. 15 - 125-30169 0000 ORIGINAL
County: Montgomery
SW_NE Sec. 4 Twp. 33 S. R. 16 East West
1932 feet from S / (circle one) Line of Section
2307 feet from (circle one) W / (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: C. Tucker Well #: 7-4
Field Name: Brewster

Producing Formation: Cherokee Coals
Elevation: Ground: 756 Kelly Bushing: 759
Total Depth: 1169 Plug Back Total Depth: 1126
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 1169
feet depth to Surface w/ 150 sx cmt.

Drilling Fluid Management Plan ACT II WITH
(Data must be collected from the Reserve Pit) 4-9-02
Chloride content N/A ppm RECEIVED
Dewatering method used N/A - Air Drilled

Location of fluid disposal if hauled offsite: JAN 10 2003
Operator Name: _____
Lease Name: _____ License No.: WICHITA, KS
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: [Signature]
Title: Agent Date: 1-9-03
Subscribed and sworn to before me this 9th day of January,
2003
Notary Public: [Signature]
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: C. Tucker Well #: 7-4
Sec. 4 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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Table with 3 columns: Name, Formation (Top), Depth and Datum, Sample. Rows include Summit Coal, 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.

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.

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TUBING RECORD table with columns: Size, Set At, Packer At, Liner Run, Date of First, Resumed Production, SWD or Enhr., Producing Method, Estimated Production Per 24 Hours.

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.
C. TUCKER 7-4
SW NE 1,932' FNL, 2,307' FEL
Section 4-33S-16E
MONTGOMERY COUNTY, KANSAS

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CONSERVATION DIVISION
WICHITA, KS

Drilled: September 10 – September 11, 2002
Logged: September 11, 2002
A.P.I.# 125-30169-00.00
Ground Elevation: 756'
Kelly Bushing Elevation: 759'
Derrick Floor: 759'
Depth Driller: 1169'
Depth Logger: 1169'
Drilled from surface to 1169' with air
Surface Casing: 8.65 to 21'
Production Casing: 5.5" to 1169'
Cemented by Blue Star
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)

Lenapah Lime	272
Altamont Lime	338
Wiser Sand	367
Peru Sand	514
Summit Coal	603.2
Excello Shale	635.8
Iron Post Coal	662.2
Bevier Coal	666.3
V-Shale	687.7
Fleming Coal	699.6
Mineral Coal	726.9
Scammon Coal	751.3
Tebo Coal	788.3
Weir Pitt Coal	810.2
Bluejacket Coal	861.6
Rowe Coal	979.79
Riverton Coal	1039.65
Mississippian	1052.55



0
Drilling Summary

Well Name				C.TUCKER-SW-NE-SEC-4-TWP-33S-R-16E								AFE #		C.TUCKER 7-4			
U.W.ID				125-30169-0000								Est'd Cost		32,633			
LAYNE ENERGY				Days From Spud				Bit Summary						Lic. #		125-30169-0000	
Supervisor	Robert Winters	K.B.Elev.	758.3	No	Size	Type	Jets	Depth In	Depth Out	Feet	Hours	Cum. Hr	F/Hrs	Condition	Serial #		
Contractor	LAYNE RIG # 219	G.L.Elev.	755	1A	12 1/4	RR	OPEN	0	21	21.0	1.5	1.5	14.0	5-5-E-I	26418		
Rig Release	11-SEPT-02,13:30HRS	KB-Csg Flg	3.3	2	7 7/8	Concave	2x31/32	21	1169	1148.0	14	14	82.0	good	60934		
Time Summary				T.D.	1169									0.0			
Operation	Hours	Operation	Hours							0.0							
Drilling	14.00	Clean to Bottom								0.0							
Tripping	1.00	Logging	1.50							0.0							
Rig Service		Rig Repair	0.00							0.0							
Survey	0.00	Loss circ								0.0							
Circulate	2.00	Reaming	0.00							0.0							
Cementing	0.50	Coring	0.00							0.0							
Run Casing	1.50	Mud up	0.00							0.0							
Safety Meeting	0.25	Spud in 04:15hrs,10-09-02								0.0							
STANDBY	0.00	Set surface 05:00hrs,10-09-02								0.0							
Move Rig	0.00	W.O.C, 8hrs								0.0							
Rig Up / Down	5.00	Hammer 7 7/8 to T.D, 03:00hr,11-0								0.0							
Nipple Up / Down	0.00	Circ .50hrs,Trip,Log Osage								0.0							
WOC / Weld	8.00	Run casing,circ1.5hrs								0.0							
Lay Down Drill String	0.00	Cement Blue star 09:00hrs,11-09-0								0.0							
Handle Tools	0.00	Plug down 09:30hrs,11-09-02								0.0							
Work Pipe	0.00	Clean out tanks, Rig out								0.0							
Log Record:																	
Company	OSAGE									1	1169	Back fill with gel					
Interval	Type	Interval	Type							0							
T.D.Surf	Daul ind									0							
	Bulk Dens									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	14.0 hrs main hole			Surface	8.65	23	H-40	T & C -8m	3	21.00	Paragon						
	6" IR hammer, 7 7/8 Concavebit			Intermediate	0	0	0	0	0		0						
	Density readings, 12.7-12.8-12.8-12.8-12.8-13.2-13.4-13.4-13.4			Production	5.5	15.5	J-55	LT&C-8m	3	1169.0	Newport						
	6Readings first 70sks,at 12.8per/gal.11 Readings last 80sks at 13.4#s per/gal, 13 Bbl cement returns to surface			Liner	0	0	0	0	0		0						
				Other													
				Other													
Remarks																	
				150sks,Thick set cement,1500# Gilsonite,10# per/sk, 4% gel,6% calseal,2%Cacl2													

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BLUE STAR CONFIDENTIAL
ACID SERVICE, INC.

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

No. 3758

Date	Customer Order No	Sec	Twp.	Range	Truck Called Out	On Location	Job Began	Job Completed
9-11-02		4	355	16E	6:00 AM	8:45 AM	9:05 AM	9:45 AM
Owner	Contractor		Charge To					
Layne Energy	Layne Christensen Company		Layne Energy					
Mailing Address		City		State				
1345 Highfield Crescent S.E.		CALGARY		ALBERTA		T6G5N2		
Well No. & Form	Place	County		State				
C. TUCKER #7-4		Montgomery		KANSAS				
Depth of Well	Depth of Job	Size	Weight	Size of Hole	Am't. and Kind of Cement	Cement Left in casing by	Request (Necessary)	
1169'	1169'	5 1/2"	15.50*	7 8	150 SKS		43'	
Kind of Job	Drillpipe			Tubing		Truck No.		
Longstring						#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 70SKS Thick Set Cement with 10* Gilsonite per/sk @ 12.8 # per/gal. Tail in with 80SKS Thick Set Cement with 10* Gilsonite per/sk @ 13.4 # per/gal, shut down, wash out pump & lines, Release Plug, Displace with 26.75 Bbl Fresh water @ 2 GPM. Final Pumping Pressure 350 PSI. Bump Plug to 850 PSI. Wait 5 minutes. Check float. float held. Shut casing in @ 0 PSI. Good Cement Returns to Surface = 13 Bbl Slurry = 41 SKS. Job Complete. Rig down.

Cementer: Kevin McCoy
Helper: Mike, Steve, Jim

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 PROT WILK
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
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
	150 SKS Handling & Dumping	.50	75.00
	8.25 TONS Mileage 60	.80	396.00
	Sub Total		3,660.50
	Discount		
	Delivered from EUREKA	Sales Tax 6.3%	230.61
	Signature of operator Kevin McCoy	Total	3,891.11