

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. _____

<u>September 8, 2002</u>	<u>September 9, 2002</u>	
Spud Date or	Date Reached TD	Completion Date or
Recompletion Date		Recompletion Date

API No. 15 - 125-30170 0006
County: Montgomery
NE NE SE SE Sec. 4 Twp. 33 S. R. 16 East West
2284 feet from (S) N (circle one) Line of Section
375 feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: C. Tucker Well #: 9-4
Field Name: Brewster

Producing Formation: Cherokee Coals
Elevation: Ground: 787 Kelly Bushing: 790
Total Depth: 1196 Plug Back Total Depth: 1153
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 1170
feet depth to Surface w/ 150 sx cmt.

Drilling Fluid Management Plan ACT II W/Plan
(Data must be collected from the Reserve Pit) 4-9-07
Chloride content N/A ppm Fluid volume _____ bbls
Dewatering method used N/A - Air Drilled
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Location of fluid disposal if hauled offsite: _____
Operator Name: _____ JAN 10 2003
Lease Name: _____ License No: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ WICHITA, EAST KANSAS
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]
SHERRY K. WATSON
Notary Public - Notary Seal
STATE OF MISSOURI
Jackson County
Date Commission Expires: _____

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 #: 9-4
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, Samples Sent to Geological Survey, Cores Taken, Electric Log Run, List All E. Logs Run, Compensated Density Neutron, Dual Induction. Includes checkboxes for Yes/No and a table of formation logs (Pawnee Lime, Excello Shale, V Shale, Weir - Pitt Coal, Mississippian).

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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. Includes checkboxes for 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 9-4
NE NE SE 2,284' FSL, 375' FEL
Section 4-33S-16E
MONTGOMERY COUNTY, KANSAS

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STATE GEOLOGICAL COMMISSION

JAN 10 2003

CONSERVATION DIVISION
WICHITA, KANSAS

Drilled: September 8 – September 9, 2002
Logged: September 9, 2002
A.P.I.# 125-30170-00.00
Ground Elevation: 787'
Kelly Bushing Elevation: 790'
Derrick Floor: 790'
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

FORMATION

TOPS (in feet below kelly bushing)

Lenapah Lime	281
Altamont Lime	335
Wiser Sand	377
Pawnee Lime	476
First Oswego	574
Summit Coal	607.7
Excello Shale	640.1
Bevier Coal	666.2
V-Shale	691.5
Mineral Coal	734
Scammon Coal	756.65
Tebo Coal	794.35
Weir Pitt Coal	814.6
Bluejacket Coal	867.6
Rowe Coal	994.2
Riverton Coal	1053
Mississippian	1070



0
Drilling Summary

Well Name: C.TUCKER-NE-SE-SEC-4-TWP-33S-R-16E
U.W.I.D: 125-30170-0000
AFE #: 125-30170-0000
Est'd Cost: 32,633
Lic #: 125-30170-0000

LAYNE ENERGY

Supervisor	Robert Winters	K.B.Elev.	793.3
Contractor	LAYNE RIG # 219	G.L.Elev.	790
Rig Release	10-SEPT-02,04:00HRS	KB-Csg Flg	3.3
Time Summary		T.D.	1170

No	Size	Type	Jets	Depth In	Depth Out	Feet	Hours	Cum. Hr	F/Hrs	Condition	Serial #
1A	12 1/4	RR	OPEN	0	21	21.0	1.5	1.5	14.0	5-5-E-I	26418
2	7 7/8	Concave	2x31/32	21	1170	1149.0	15.5	0	74.1	0%	0
									0.0	3-I	C85290
									0.0	GOOD	5S1918
									0.0		
									0.0		
									0.0		
									0.0		
									0.0		
									0.0		
									0.0		

Operation	Hours	Operation	Hours
Drilling	15.50	Clean to Bottom	
Tripping	1.00	Logging	1.25
Rig Service		Rig Repair	0.00
Survey	0.00	Loss circ	
Circulate	1.75	Reaming	0.00
Cementing	0.50	Coring	0.00
Run Casing	1.75	Mud up	0.00
Safety Meeting	0.25		
STANDBY	0.00	Spud in, 16:45hrs, 08-09-02	
Move Rig	0.00	Set surface, 18:00hrs, 08-09-02	
Rig Up / Down	5.50	Hammer 7 7/8 to T.D, 17:45hrs, 09-0	
Nipple Up / Down	0.00	Circ air/mist .50hrs, Trip, Log, 19:15hr	
WOC / Weld	8.00	T.D casing, 22:15hrs.	
Lay Down Drill String	0.00	Circ casing 1.25hrs.	
Handle Tools	0.00	Cement with blue star, 11:30hrs	
Work Pipe	0.00	Plug down 24:00hrs, 09-09-02	
		Clean out tanks, Rig out	

String	Depth	Sks	Surface	Intermediate	Production	Plug	Service Co.
	21.0	8			1170.0	150	
Cement and Additives							
Portland class "A"							
Thick set cement with 10# Gilsonte per/sk							
BLUE STAR							

D.S.T Summary				Mud Summary			
No.	Form'in	From	To	Description	From	To	Type & Remarks
						21	Air
					21	1170	Air/mist Hammer 7 7/8
					0	0	0
					0		
					0		
					0		
				Supplier			FUD MUD

Tubular Details										
Supplier										
Tristate & Spartan										
String	Size	Weight	Grade	Thread	Range	Landed Depth	Make	Remarks		
Surface	8.65	23	H-40	T & C -8rn	3	21.00	Paragon			
Intermediate	0	0	0	0	0		0			
Production	5.5	15.5	J-55	LT&C-8rnd	3	1169.0	Newport			
Liner	0	0	0	0	0		0			
Other										
Other										
Remarks										

150sks, Thick set cement, 1500# Gilsonte, 10# per/sk, 4% gel, 6% calseal, 2% Cacl2

Log Record			
OSAGE			
Company	Type	Interval	Type
T.D. Surf	Daul ind		
	Bulk Dens		

Drilling Remarks & Problems	
Surface	Major bed rock 0 - 30 ft.
Main hole	15.5 hrs main hole
	6" IR hammer, 7 7/8 Concavebit
	Density readings, 12.7-12.8-12.8-12.8-12.8-13.2-13.4-13.4
	6 Readings first 70sks, at 12.8 per/gal. 11 Readings last 80sks at 13.4 lbs/gal. 14Bbl Cement returns to vac truck

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BLUE STAR ACID SERVICE, INC.

PO Box 103 Eureka, Kansas 67045

CONSERVATION DIVISION WICHTA, KANSAS Cementing Ticket and Invoice Number

No 3745

Date	Customer Order No	Sec	Twp.	Range	Truck Called Out	On Location	Job Began	Job Completed
9-9-02		4	335	16E	7:30 AM	10:30 AM	11:15 AM	11:50 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				
C. Tucker # 9-4		Montgomery		KANSAS				
Depth of Well	Depth of Job	Casing	(New/Used)	Size	Weight	Size of Hole Amt. and Kind of Cement	Cement Left in casing by	Request (Necessity)
1172'	1172'			5 1/2"	15.50	150 SKS		43' feet
Kind of Job	Drillpipe		(Rotary)		Truck No.			
Longstring			Cable		#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 26.75 Bbl fresh water @ 2 BPM. Final Pumping Pressure 400 PSI. Bump plug to 900 PSI. wait 5 minutes. Check float. Float Held. Shut casing in @ 0 PSI. Good Cement Returns to surface = 12 Bbl slurry = 38 SKS. Job Complete. Rig down.

Cementor: Kevin McCoy
 Helper: Mike, Justin, Jim

District: EUREKA
 State: KANSAS
 Agent of contractor or operator: Robert [Signature]

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" 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		3660.50
	Discount		
	Sales Tax	6.3%	230.61
	Total		3891.11

Delivered by #16
 Truck No.
 Delivered from EUREKA
 Signature of operator Kevin McCoy