

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 SLOW 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. Conversion to Enhr/SWD
 Plug Back _____ Plug Back Total Depth _____
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Enhr.?) _____ Docket No. _____

July 29, 2002 July 30, 2002
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 125-30132
County: Montgomery
SW SW Sec. 32 Twp. 31 S. R. 15 East West
650 feet from N (circle one) Line of Section
933 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 #: 13-32
Field Name: Jefferson-Sycamore

Producing Formation: Cherokee Coals
Elevation: Ground: 803 Kelly Bushing: 806
Total Depth: 1305 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 1304 TD
feet depth to Surface w/ 150 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: _____
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: 1-8-03

Subscribed and sworn to before me this 8 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: W. Chism Well #: 13-32
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 [] Yes [x] No
Samples Sent to Geological Survey [] Yes [x] No
Cores Taken Yes [x] No
Electric Log Run [x] Yes No
List All E. Logs Run:
Compensated Density Neutron
Dual Induction

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SEP 29 2002
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Table with 3 columns: Name, Formation (Top), Depth and Datum, Sample. Rows include Pawnee Lime, 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.

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: [] Vented [] Sold [] Used on Lease
METHOD OF COMPLETION: [] Open Hole [] Perf. [] Dually Comp. [] Commingled [] Other (Specify)
Production Interval

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GEOLOGIC REPORT

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KANSAS CORPORATION COMMISSION

LAYNE CHRISTENSEN CANADA, LTD.
W. Chism 13-32
SW SW 650' FSL, 933' FWL
Section 32-31S-15E
MONTGOMERY COUNTY, KANSAS

JAN 09 2003

CONSERVATION DIVISION
WICHITA, KS

KCC

SEP 29 2002

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Drilled: July 29 - July 30, 2002
Logged: July 30, 2002
A.P.I.# 125-30132-00.00
Ground Elevation: 803'
Kelly Bushing Elevation: 806'
Derrick Floor: 806'
Depth Driller: 1305'
Depth Logger: 1302'
Drilled with air
Surface Casing: 8.65 to 25'
Production Casing: 5.5" to 1300.5'
Cemented by Consolidated
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)

Kansas City Group	227
Lenapah Lime	518
Altamont Lime	562
Wiser Sand	600
Mulberry Coal	698
Pawnee Lime	701
First Oswego	788
Summit Coal	812
Excello Shale	841
Bevier Coal	866
V-Shale	889
Fleming Coal	899
Mineral Coal	930
Scammon Coal	946
Tebo Coal	980
Weir Pitt Coal	1012
Bluejacket Coal	1030
Rowe Coal	1162

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Mississippian

1231

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

CONSERVATION DIVISION
WICHITA, KS

TICKET NUMBER 20447
LOCATION Bartlesville
FOREMAN Tracy L. Williams

TREATMENT REPORT

DATE	CUSTOMER ACCT #	WELL NAME	QTR/QTR	SECTION	TWP	RGE	COUNTY	FORMATION
2-31-02		W. Chism 13-32		32	31S	15E	Montgomery	
CHARGE TO <u>Layne Energy</u>				OWNER				
MAILING ADDRESS				OPERATOR				
CITY				CONTRACTOR				
STATE		ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION				TIME LEFT LOCATION				

Job # 4141
Rig 219

WELL DATA	
HOLE SIZE	2 7/8
TOTAL DEPTH	1305
CASING SIZE	5 7/8
CASING DEPTH	1305
CASING WEIGHT	
CASING CONDITION	
TUBING SIZE	
TUBING DEPTH	
TUBING WEIGHT	
TUBING CONDITION	
PACKER DEPTH	
PERFORATIONS	
SHOTS/FT	
OPEN HOLE	
TREATMENT VIA	

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		
SURFACE PIPE	THEORETICAL	INSTRUCTED
ANNULUS LONG STRING		
TUBING		

INSTRUCTION PRIOR TO JOB

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Pumped 15 bbl water ahead then ran ~~30~~ 30 sks of Diacel cement at 12.5 ppg. Then 120 sks of Diacel cement at 12.8 ppg. Shut down + washed up behind plug. Pumped plug to bottom + set float shoe. Circulated 12 bbl cement to pit.

PRESSURE SUMMARY	
BREAKDOWN or CIRCULATING	psi 700
FINAL DISPLACEMENT	psi 600
ANNULUS	psi
MAXIMUM	psi 1200
MINIMUM	psi
AVERAGE	psi
ISIP	psi
5 MIN SIP	psi 0
15 MIN SIP	psi

TREATMENT RATE	
BREAKDOWN BPM	5
INITIAL BPM	5
FINAL BPM	5
MINIMUM BPM	
MAXIMUM BPM	
AVERAGE BPM	



Drilling Summary

Well Name W.CHISM-SW-SW-SEC-32-TWP-31S-15E AFE # W.CHISM-13-32
U.W.ID 125-30132-0000 Est'd Cost 71,741

Table with columns: Supervisor (Dave Mahowich), Days From Spud (K.B.Elev. 808.3), No. (1A), Size (12 1/4), Type (RR), Jets (OPEN), Depth In (21), Depth Out (21), Feet (21.0), Hours (0.75), Cum. Hrs (0.75), F/Hrs (28.0), Condition (5-5-E-1), Serial # (26418)

Time Summary table with columns: Operation, Hours, Operation, Hours. Includes entries for Drilling (19.25), Tripping (5.00), Rig Service (0.50), Survey (0.25), Circulate (2.75), Cementing (0.75), Run Casing (2.25), Safety Meeting (0.25)

Bit Summary table with columns: No., Size, Type, Jets, Depth In, Depth Out, Feet, Hours, Cum. Hrs, F/Hrs, Condition, Serial #. Includes entries for UD-515 5X14 (21, 1305, 1284.0, 19.25, 19.25, 66.7, 3 chipped, 1153)

Cementing Details table with columns: String, Depth, Skc, Cement and Additives, Returns. Includes entries for Surface (21.0, 8, Portland class "A", Surf), Intermediate, Production (1300.5, 150), Plug (DIACEL, Surface), Service Co (CONSOLIDATED)

D.S.T Summary table with columns: No., Form in, From, To, Description, From, To, Type & Remarks. Includes entries for 21 (air/mis), 786 (Gal/chem), 786 (FUD MUD)

Log Record table with columns: Company, Interval, Type, Interval, Type. Includes entries for T.D Surf (Daul ind), Bulk Dens

Tubular Details table with columns: Supplier, Tristate & Spartan

Drilling Remarks & Problems table with columns: Surface, Main hole, Remarks. Includes entries for 'Major bed rock 0 - 30 ft.', '19.5 hrs to drill main hole', '3 chipped packs on PDC, Send back to united', 'Rig on stand by from 22-July-02 to 29 July-02 for lease agreements, stand by costs & crew cost add in to W.Chism', 'AFE costs'

Table with columns: String, Size, Weight, Grade, Throat, Range, Lanced Depth, Make, Remarks. Includes entries for Surface (8.65, 23, H-45, ST&C-8 trd, 3, 2.00, Paragon), Intermediate, Production (5.5, 15.5, J-55, ST&C-Brld, 3, 300.5, Newpcri), Liner, Other, Other

P:2/2
TO:818164747272
AUG-4-2002 05:12P FROM:

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