

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

**CONFIDENTIAL**

**ORIGINAL**

Operator: License # 33152  
Name: Shawnee Oil & Gas, LLC  
Address: 1900 Shawnee Mission Parkway  
City/State/Zip: Mission Woods, KS 66205  
Purchaser: \_\_\_\_\_  
Operator Contact Person: Melissa Thieme  
Phone: ( 913 ) 748-3971  
Contractor: Name: Layne Christensen Canada, Ltd.  
License: 32999  
Wellsite Geologist: Jim Stegeman

API No. 15 - 125-30393-00-00  
County: Montgomery  
~~SE SW NE~~  
Sec. 15 Twp. 31 S. R. 16  East  West  
632682-1980 feet from S (circle one) Line of Section  
1707 feet from E (circle one) Line of Section  
KCC W/M/T  
Footages Calculated from Nearest Outside Section Corner:

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

(circle one) NE SE NW SW  
Lease Name: R. Catron Well #: 15-15  
Field Name: Cherokee Basin Coal Gas Area  
Producing Formation: Cherokee Coals  
Elevation: Ground: 906 Kelly Bushing: 909  
Total Depth: 1223 Plug Back Total Depth: 1211  
Amount of Surface Pipe Set and Cemented at 20 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 1217  
feet depth to Surface w/ 160 sx cmt.

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. \_\_\_\_\_

Drilling Fluid Management Plan ALT II W/M 2-28-07  
(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: RECEIVED License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: DEC 10 2003 Docket No.: \_\_\_\_\_

8/12/03 8/15/03 8/16/03 SIWOC  
Spud Date or Date Reached TD Completion Date or Recompletion Date  
2003

**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: 12/09/03  
Subscribed and sworn to before me this 9th day of December  
2003  
Notary Public: Melissa Thieme  
Date Commission Expires: 6/29/05



**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: Shawnee Oil & Gas, LLC Lease Name: R. Catron Well #: 15-15  
Sec. 15 Twp. 31 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  Yes  No  
(Attach Additional Sheets)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
(Submit Copy)

List All E. Logs Run:

Compensated Density Neutron  
Dual Induction

**KCC**  
**DEC 09 2004**  
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Log Formation (Top), Depth and Datum  Sample

Name Top Datum

Pawnee Lime 586 GL 320

Excello Shale 733 GL 173

V Shale 787.4 GL 118.6

Weir Pitt 894 GL 12

Mississippian 1150 GL -244

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacs Used	Type and Percent Additives
Surface	11 1/2	8.65	23	20	Class A	6	Cacl2 3%
Casing	7 7/8	5.5	15.5	1217	Thixotropic + Gilsomite	160	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumerd 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 (If vented, Submit ACO-18.)  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify)

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**GEOLOGIC REPORT**

**ORIGINAL**

LAYNE CHRISTENSEN CANADA, LTD.  
Catron 15-15  
½E, ¼SW, ¼SE, 1707' FEL, 632' FSL  
Section 15-T31S-R16E  
MONTGOMERY COUNTY, KANSAS

**KCC**  
DEC 09 2004  
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Drilled: August 13-15, 2003

Logged: August 15, 2003

A.P.I.# 125-30393-00-00

Ground Elevation: 906'

Depth Driller: 1223'

Depth Logger: 1224.5'

Drilled with Air, surface to 1223'

Drilled with Water, N.A.

Surface Casing: 8 5/8" @ 20'

Production Casing: 5.5" @ ~~1217~~ 1217'

Cemented by Blue Star

Open Hole Logs (Osage Wireline): High Resolution Compensated Density  
Neutron; Dual Induction SFL/GR.

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**FORMATION.....TOPS (in feet below ground surface)**

Kansas City Group .....	Surface (Cottage Grove Sandstone)
Base of KC Group .....	338
Lenapah Lime .....	401
Altamont Lime .....	444
Weiser Sandstone .....	499
Mulberry Coal .....	583
Pawnee Lime .....	586
Lexington Coal .....	611
Peru Sandstone .....	628
First Oswego .....	673
Summit Coal/Little Osage .....	705.5
Excello Shale .....	733
Mulky Coal .....	738.3
Iron Post .....	762.4
V-Shale .....	787.4
Croweburg Coal .....	788.6
Fleming .....	798
Mineral Coal .....	825.4
Scammon Coal .....	859.7
Tebo Coal .....	889.5

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Weir-Pitt .....	894
Bluejacket Coal .....	923.4
Aw Coal .....	1066.2
Riverton Coal .....	1119.6
Mississippian .....	1150

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**CEMENT AND CASING DETAIL**

**ORIGINAL**

LOCATION CATYON 15-15  
SUPERVISOR WOB  
TYPE SURFACE PIPE

DATE: \_\_\_\_\_  
CEMENT CO. KAYHE

**CASING DETAIL**

QUANTITY	SIZE	WEIGHT	GRADE	THREADS	LENGTH	TYPE	TOP of SEC.
1	8 5/8	23#			20		

Kelly Bush to Casing Flange \_\_\_\_\_  
Casing Set and Cemented \_\_\_\_\_ 20 \_\_\_\_\_

DVT SET @ \_\_\_\_\_ Casing String Air Weight: \_\_\_\_\_ Actual Weight: \_\_\_\_\_  
Centralizers Run: \_\_\_\_\_

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KANSAS CORPORATION COMMISSION **EXCESS CASING**

QUANTITY	SIZE	WEIGHT	GRADE	THREADS	LENGTH	TYPE	MT

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**CASING DELIVERED**

QUANTITY	SIZE	WEIGHT	GRADE	THREADS	LENGTH	TYPE	MT

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**FIRST STAGE**

**SECOND STAGE**

Caliper Hole Vol. CU/FT \_\_\_\_\_ Caliper Hole Vol. CU/FT \_\_\_\_\_  
Volume Pumped CU/FT \_\_\_\_\_ Volume Pumped CU/FT \_\_\_\_\_

**FIRST STAGE CEMENT DETAIL**

PRE-FLUSH \_\_\_\_\_ ESTI. TOC SURFACE  
 LEAD TYPE 2 5/8 red Cmt Mixed @: \_\_\_\_\_ Yield @: \_\_\_\_\_  
 Additives: C.C. Mix & Dump DN backside  
 TAIL TYPE \_\_\_\_\_ Mixed @: \_\_\_\_\_ Yield @: \_\_\_\_\_  
 Additives: \_\_\_\_\_  
 Displacement \_\_\_\_\_ Max. Rate: \_\_\_\_\_ PSI: \_\_\_\_\_  
 Description of Circulation \_\_\_\_\_  
 BUMP PLUG Time: \_\_\_\_\_ Date: \_\_\_\_\_ PSI: \_\_\_\_\_  
 OPEN DVT YES or NO \_\_\_\_\_ Reason \_\_\_\_\_  
 CEMENT CIRCULATED: \_\_\_\_\_

**SECOND STAGE CEMENT DETAIL**

PRE-FLUSH \_\_\_\_\_ ESTI. TOC \_\_\_\_\_  
 LEAD TYPE \_\_\_\_\_ Mixed @: \_\_\_\_\_ Yield @: \_\_\_\_\_  
 Additives: \_\_\_\_\_  
 TAIL TYPE \_\_\_\_\_ Mixed @: \_\_\_\_\_ Yield @: \_\_\_\_\_  
 Additives: \_\_\_\_\_  
 Displacement \_\_\_\_\_ Max. Rate: \_\_\_\_\_ PSI: \_\_\_\_\_  
 Description of Circulation \_\_\_\_\_  
 BUMP PLUG Time: \_\_\_\_\_ Date: \_\_\_\_\_ PSI: \_\_\_\_\_  
 CLOSE DVT YES or NO \_\_\_\_\_ Reason \_\_\_\_\_  
 CEMENT CIRCULATED: \_\_\_\_\_

COMMENTS \_\_\_\_\_

**CONFIDENTIAL**  
**BLUE STAR**  
**ACID SERVICE, INC.**

PO Box 103  
 Eureka, Kansas 67045

Cementing Ticket  
 and Invoice Number

**ORIGINAL**  
 N: 4830

Date	Customer Order No	Sect	Twp.	Range	Truck Called Out	On Location	AM	Job Began	AM	Job Completed	AM
8-16-03	ACC # 340	15	315	16E	6:00 AM	9:00		10:08		11:00	
Owner Shawnee OIL & GAS LLC		Contractor Layne Christensen Co.			Charge To Layne Energy						
Mailing Address 1345 Highfield Crescent S.E.		City CALGARY			State ALBERTA T26S2						
Well No. & Form COLT R. Catton 15-15		Place		County Montgomery 7			State KANSAS				
Depth of Well 1223'	Depth of Job 1217'	Casing (New) Used	Size 5 1/2	Weight 15.50	Size of Hole Amt. and Kind 7 7/8	Cement Left in casing by	Request Necessity 6' feet				
Kind of Job Longstring		P.B.T.D. 1211'			Drillpipe	(Rotary) AIR		Truck No. #21			

Price Reference No. # 1  
 Price of Job 665.00  
 Second Stage  
 Mileage 607 135.00  
 Other Charges  
 Total Charges 800.00

**KCC** Remarks *Safety Meeting: Rig up to 5 1/2 casing. Break Circulation. Pumped 30 Bbl Fresh water, 5 Bbl S-25 Pre Flush, 5 Bbl water Spacer. Mixed 160 SKS Thick Set Cement with 10" Gilsonite per/sk @ 13.5 # per/GAL. Shut down. wash out Pump & lines. Release Plug. Displace with 28.8 Bbl Fresh water. FINAL Pumping Pressure 575 PSI. Bump Plug to 1050 PSI. wait 2 minutes. Release Pressure. Float Held. Shut Casing IN @ 0 PSI. Good Cement Returns to SURFACE = 10 Bbl Slurry = 32 SKS Job Complete. Rig down.*

Cementer *Kevin McCoy*  
 Helper *Mike, Justin*  
 District *EUREKA* State *Ks*  
 The above job was done under supervision of the owner, operator, or his agent whose signature appears below.  
*Thank You* x *Bob [Signature]*  
 Agent of contractor or operator

Sales Ticket for Materials Only

Quantity Sacks	BRAND AND TYPE	PRICE	TOTAL
160 SKS	Thick Set Cement	10.75	1720.00
1600 #	Gilsonite 10" per/sk	.30	480.00
50 #	Metasilicate S-25 Pre Flush	1.00 #	50.00
1	5 1/2 AFU INSERT Flapper Valve	92.00	92.00
1	5 1/2 Guide Shoe	85.00	85.00
1	5 1/2 Top Rubber Plug	40.00	40.00
Plugs	160 SKS Handling & Dumping	.50	80.00
	8.8 TONS Mileage 60	.80	422.40
	Delivered by Truck No. # 22	Sub Total	3,769.40
	Delivered from EUREKA	Discount	
	Signature of operator <i>Kevin McCoy</i>	Sales Tax 5.3%	199.78
		Total	3,969.18

*First*  
**CORRECTED**

For KCC Use:  
Effective Date: 8.12.03  
District #: 3  
SGA?  Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form C-1  
December 2002  
Form must be Typed  
Form must be Signed  
All blanks must be Filled

**NOTICE OF INTENT TO DRILL**

Must be approved by KCC five (5) days prior to commencing well

Expected Spud Date August 12, 2003  
month day year

Spot  East  
E12 SW SE Sec. 15 Twp. 31 S. R. 16  
 West

OPERATOR: License# 33152 ✓

~~650~~ 632 feet from  N /  S Line of Section  
~~1650~~ 1707 feet from  E /  W Line of Section

Name: Shawnee Oil & Gas, LLC  
Address: 106 West 14th Street, 7th Floor  
City/State/Zip: Kansas City, MO 64105

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Contact Person: Jeff Mohajir  
Phone: 816-474-7777

AUG 07 2003

CONTRACTOR: License# 32999 ✓  
Name: Layne Christensen Canada, Ltd.

CONSERVATION DIVISION  
WICHITA, KS

Well Drilled For:	Well Class:	Type Equipment:
<input type="checkbox"/> Oil	<input type="checkbox"/> Enh. Rec	<input checked="" type="checkbox"/> Infield
<input checked="" type="checkbox"/> Gas	<input type="checkbox"/> Storage	<input type="checkbox"/> Mud Rotary
<input type="checkbox"/> OWWO	<input type="checkbox"/> Disposal	<input checked="" type="checkbox"/> Air Rotary
<input type="checkbox"/> Seismic; # of Holes	<input type="checkbox"/> Other	<input type="checkbox"/> Cable
<input type="checkbox"/> Other		

Is SECTION:  Regular  Irregular?

(Note: Locate well on the Section Plat on reverse side)

County: Montgomery  
Lease Name: R. Catron Well #: 15-15

Field Name: Neodesha C.B.C.G.A.

Is this a Prorated / Spaced Field?  Yes  No

Target Information(s): Cherokee Coals

Nearest Lease or unit boundary: 650 feet to the South

Ground Surface Elevation: 900 feet MSL

Water well within one-quarter mile:  Yes  No

Public water supply well within one mile:  Yes  No

Depth to bottom of fresh water: 100' +

Depth to bottom of usable water: 200' +

Surface Pipe by Alternate:  1  2

Length of Surface Pipe Planned to be set: 20' minimum

Length of Conductor Pipe required: None

Projected Total Depth: 1250'

Formation at Total Depth: Mississippian

Water Source for Drilling Operations:  
 Well  Farm Pond  Other

DWR Permit #: \_\_\_\_\_

(Note: Apply for Permit with DWR )

Will Cores be taken?  Yes  No

If Yes, proposed zone: \_\_\_\_\_

If OWWO: old well information as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Completion Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Directional, Deviated or Horizontal wellbore?  Yes  No

If Yes, true vertical depth: \_\_\_\_\_

Bottom Hole Location: \_\_\_\_\_

KCC DKT #: \_\_\_\_\_

\*Corrected location  
was: 650 fsl, 1650' fel

AFFIDAVIT Cherokee Basin Coal Gas Area

The undersigned hereby affirms that the drilling, completion and eventual plugging of this well will comply with K.S.A. 55 et. seq.

It is agreed that the following minimum requirements will be met:

1. Notify the appropriate district office **prior** to spudding of well;
2. A copy of the approved notice of intent to drill **shall be** posted on each drilling rig;
3. The minimum amount of surface pipe as specified below **shall be set** by circulating cement to the top; in all cases surface pipe **shall be set** through all unconsolidated materials plus a minimum of 20 feet into the underlying formation.
4. If the well is dry hole, an agreement between the operator and the district office on plug length and placement is necessary **prior to plugging**;
5. The appropriate district office will be notified before well is either plugged or production casing is cemented in;
6. If an ALTERNATE II COMPLETION, production pipe shall be cemented from below any usable water to surface within **120 days** of spud date. Or pursuant to Appendix "B" - Eastern Kansas surface casing order #133,891-C, which applies to the KCC District 3 area, alternate II cementing must be completed within 30 days of the spud date or the well shall be plugged. **in all cases, NOTIFY district office** prior to any cementing.

I hereby certify that the statements made herein are true and to the best of my knowledge and belief.

Date: August 6, 2003 Signature of Operator or Agent: [Signature] Title: Agent

For KCC Use ONLY

API # 15 - 125-30393-00-00

Conductor pipe required None feet

Minimum surface pipe required 20 feet per Alt.

Approved by: RJP 8-7-03 / RJP 4-28-04

This authorization expires: 2-7-04  
(This authorization void if drilling not started within 6 months of effective date.)

Spud date: \_\_\_\_\_ Agent: \_\_\_\_\_

Remember to:

- File Drill Pit Application (form CDP-1) with intent to Drill;
- File Completion Form ACO-1 within 120 days of spud date;
- File acreage attribution plat according to field proration orders;
- Notify appropriate district office 48 hours prior to workover or re-entry;
- Submit plugging report (CP-4) after plugging is completed;
- Obtain written approval before disposing or injecting salt water.

If this permit has expired (See: authorized expiration date) please check the box below and return to the address below.

Well Not Drilled - Permit Expired

Signature of Operator or Agent: \_\_\_\_\_  
Date: \_\_\_\_\_

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

15  
31  
16E