

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

7/13/08  
Form ACO-1  
September 1999  
Form Must Be Typed  
AMENDED

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33365  
 Name: Layne Energy Operating, LLC  
 Address: 1900 Shawnee Mission Parkway  
 City/State/Zip: Mission Woods, KS 66205  
 Purchaser: \_\_\_\_\_  
 Operator Contact Person: M. B. Natrass  
 Phone: ( 913 ) 748-3987  
 Contractor: Name: Thornton Air Rotary  
 License: 33606  
 Wellsite Geologist: \_\_\_\_\_  
 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.     Conv. to Enhr./SWD  
 Plug Back     Plug Back Total Depth  
 Commingled    Docket No. \_\_\_\_\_  
 Dual Completion    Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)    Docket No. \_\_\_\_\_  

<u>3/23/2006</u>	<u>3/27/2006</u>	<u>1/10/2007</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

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API No. 15 - 125-30961-00-00  
 County: Montgomery  
 \_\_\_\_\_ SW NE Sec. 1 Twp. 31 S. R. 13  East  West  
1983 feet from S /  (circle one) Line of Section  
2182 feet from  (circle one) W Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE SE NW SW  
 Lease Name: Tull Well #: 7-1  
 Field Name: Cherokee Basin Coal Area  
 Producing Formation: Cherokee Coals  
 Elevation: Ground: 996 Kelly Bushing: \_\_\_\_\_  
 Total Depth: 1520 Plug Back Total Depth: 1456  
 Amount of Surface Pipe Set and Cemented at 42.6 Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set \_\_\_\_\_ Feet  
 If Alternate II completion, cement circulated from 1456  
 feet depth to Surface w/ 150 sx cmt.

Drilling Fluid Management Plan DH 813108  
 (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: M B Natrass  
 Title: Agent Date: 4/24/07  
 Subscribed and sworn to before me this 24<sup>th</sup> day of April  
 20 07  
 Notary Public: \_\_\_\_\_  
 Date Commission Expires: 10/14/2008



**KCC Office Use ONLY**  
4 Letter of Confidentiality Attached  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UTC Distribution  
**RECEIVED**  
 KANSAS CORPORATION COMMISSION  
APR 26 2007

Operator Name: Layne Energy Operating, LLC Lease Name: Tull Well #: 7-1  
 Sec. 1 Twp. 31 S. R. 13  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

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<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Pawnee Lime	1051 GL	-55
Excello Shale	1165 GL	-169
V Shale	1233 GL	-237
Mineral Coal	1274 GL	-278

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	# Sacjs Used	Type and Percent Additives
Surface	11	8.65	24	42.6	Class A	8	Type 1 cement
Casing	6.75	4.5	10.5	1456	Thick Set	150	

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
	See Attached		

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	1355'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.	Producing Method			
3/6/2007	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
	0	2.3	106.4	

Disposition of Gas  Vented  Sold  Used on Lease (If vented, Submit ACO-18.)

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify)

Production Interval

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 WICHITA, KS

<b>Operator Name:</b>	Layne Energy Operating, LLC.		
<b>Lease Name:</b>	Tull 7-1		
	Sec. 1 Twp. 31S Rng. 13E, Montgomery County		
<b>API:</b>	15-125-30961		
<b>Shots per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	<b>Depth</b>
4	1339-1340.5; 1274-1275.5; 1232.5-1235.5; 1215-1216	Tebo; Mineral; Croweberg; Bevier 5400# 20/40 Sand; 447 bbls Water; 800 gal 15% HCl Acid	1215-1340.5
4	1165-1169.5; 1151-1154.5; 926.5-928	Mulky Coal; Summit; Laredo 4100# 20/40 Sand; 440 bbls Water; 950 gal 15% HCl Acid	926.5-1169.5

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 WICHITA, KS

**GEOLOGIC REPORT**

LAYNE ENERGY  
Tull 7-1  
SW NE, 1983 FNL, 2182 FEL  
Section 1-T31S-R13E  
Montgomery County, KS

Spud Date: 3/23/2006  
Drilling Completed: 3/27/2006  
Logged: 3/28/2006  
A.P.I. #: 15-125-30961  
Ground Elevation: 996'  
Depth Driller: 1520'  
Depth Logger: 1516'  
Surface Casing: 8.625 inches at 40'  
Production Casing: 4.5 inches at 1456'  
Cemented Job: Consolidated  
Open Hole Logs: Dual Induction SFL/GR, High Resolution  
Compensated Density/Neutron

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<b>Formation</b>	<b>Tops (in feet below ground level)</b>
Douglas Group	Surface (Robbins Shale Member)
Pawnee Limestone	1051
Excello Shale	1,165
"V" Shale	1,233
Mineral Coal	1,274
Mississippian	1,475

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CONSERVATION DIVISION  
WICHITA, KS



Operator Name: Layne Energy Operating, LLC Lease Name: Tull Well #: 7-1  
 Sec. 1 Twp. 31 S. R. 13  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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Pawnee Lime	1051 GL	-55
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Excello Shale	1165 GL	-169
List All E. Logs Run:		V Shale	1233 GL	-237
Compensated Density Neutron		Mineral Coal	1274 GL	-278
Dual Induction				

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	8.65	24	42.6	Class A	8	Type 1 cement
Casing	6.75	4.5	10.5	1456	Thick Set	150	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ 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
	SI-waiting on completion		

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.		Producing Method				
SI-waiting on completion		<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio		
	0					

Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	

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 WHEATON, MO



CONSOLIDATED OIL WELL SERVICES, INC.  
 P.O. BOX 884, CHANUTE, KS 66720  
 620-431-9210 OR 800-467-8676

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TICKET NUMBER 08541

LOCATION Eureka

FOREMAN Brad Butler

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 TREATMENT REPORT & FIELD TICKET  
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
3-29-06	4158	Tull 7-1				Montgomery	
CUSTOMER Layne Energy		Gus Jones					
MAILING ADDRESS P.O. Box 160				TRUCK #	DRIVER	TRUCK #	DRIVER
CITY Sycamore		STATE Ks	ZIP CODE	446	Scott		
				439	Justin		
				436	J.P.		
				452-763	Jim		

JOB TYPE Logging HOLE SIZE 6 7/8" HOLE DEPTH 1520' CASING SIZE & WEIGHT 4 1/2" - 10.5 lb  
 CASING DEPTH 1456 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.2 lb SLURRY VOL 47 Bbls WATER gal/sk 8.0 CEMENT LEFT in CASING 0'  
 DISPLACEMENT 23 Bbls DISPLACEMENT PSI 700 PSI 1100 Bump Plug RATE \_\_\_\_\_

REMARKS: Safety Meeting: Dumped 30 sks. Sand down well along with city water. Run casing to hole  
Rig up to 4 1/2" casing, casing Taged 5' Above Surface - wash casing down with 30 Bbls water,  
Pumped 10 Bbl. Gel Flush 10 Bbl. water Spacer, 10 Bbl. Metasilicate, 10 Bbl. water, shut down -  
Rig up Cement Head - Pumped 13 Bbl. Dye water, Mixed 150 sks Thick Set cement w/ 10% P/SK of KOI-SEAL  
at 13.2 lb. P/SK. shut down - wash out pump & lines - Release Plug - Displace Plug w/ 23 Bbls water  
Final pumping at 700 PSI - Bump Plug to 1100 PSI - wait 2 min. Release Pressure  
Float Held - Good cement returns to Surface with 8 Bbl. slurry  
Job complete - Teardown

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"Thank you"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	WICHITA, KS TOTAL
5401	1	PUMP CHARGE	800.00	800.00
5406	40	MILEAGE	3.15	126.00
1126A	150 SKs	Thick Set cement	14.65	2197.50
1110A	1500 lbs	KOI-SEAL 10% P/SK	36 lb	540.00
1118A	200 lbs	Gel Flush	1.41 lb	28.00
1111A	50 lbs	Metasilicate Pro Flush	1.65 lb	82.50
5407A	8.25 Ton	40 miles - Bulk Truck	1.05	346.50
2102A	1500 lbs	30 SKs. Sand @ 10.20	17 lb	255.00
5501C	4 Hrs	Water Transport	98.00	392.00
5502C	4 Hrs	80 Bbl. VAC truck	90.00	360.00
1123	8000 GAL	City water	12.80	102.40
4404	1	4 1/2" Top Rubber Plug	40.00	40.00
			5.32	SALES TAX
				ESTIMATED TOTAL

AUTHORIZATION Called by John Ed

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

204 014

158.49  
 5408.39



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**GEOLOGIC REPORT**

LAYNE ENERGY  
Tull 7-1  
SW NE, 1983 FNL, 2182 FEL  
Section 1-T31S-R13E  
Montgomery County, KS

Spud Date: 3/23/2006  
Drilling Completed: 3/27/2006  
Logged: 3/28/2006  
A.P.I. #: 15-125-30961  
Ground Elevation: 996'  
Depth Driller: 1520'  
Depth Logger: 1516'  
Surface Casing: 8.625 inches at 40'  
Production Casing: 4.5 inches at 1456'  
Cemented Job: Consolidated  
Open Hole Logs: Dual Induction SFL/GR, High Resolution  
Compensated Density/Neutron

**Formation**

Douglas Group  
Pawnee Limestone  
Excello Shale  
"V" Shale  
Mineral Coal  
Mississippian

**Tops (in feet below ground level)**

Surface (Robbins Shale Member)  
1051  
1,165  
1,233  
1,274

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WICHITA, KS

07/13/08

*Layne Energy, Inc.*

1900 Shawnee Mission Parkway, Mission Woods, Kansas 66205 Phone: (913) 748-3987 Fax: (913) 748-3970

July 13, 2006

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JUL 13 2006  
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Kansas Corporation Commission  
Oil & Gas Conservation Division  
130 S. Market, Room 2078  
Wichita, KS 67202

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KANSAS CORPORATION COMMISSION

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CONSERVATION DIVISION  
WICHITA, KS

Re: Well Completion Form

To Whom It May Concern:

I have enclosed the ACO-1 form and associated data for the following well:

API # 15-125-30998  
Crosslin 5-28

API # 15-205-26373  
Metzger 14-35

API # 15-125-30993  
Blair 8-15

API # 15-125-30961  
Tull 7-1

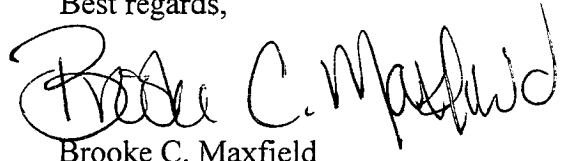
API # 15-125-30999  
Chism 7-28

API # 15-125-30987  
Kimzey 15-14

We respectfully request that all information submitted be kept confidential and per provision E-4 of K.A. R. 82-3-107, we request that the term of the confidentiality be extended by one year.

If you need additional information or have any questions or comments, please contact me at (913) 748-3987.

Best regards,



Brooke C. Maxfield

Enclosures

Cc Well File  
Field Office



*Layne Energy, Inc.*

7/13/06

1900 Shawnee Mission Parkway, Mission Woods, Kansas 66205 Phone: (913) 748-3987 Fax: (913) 748-3970

April 24, 2007

Kansas Corporation Commission  
Oil & Gas Conservation Division  
130 S. Market, Room 2078  
Wichita, KS 67202

**KCC**  
JUL 13 2006  
**CONFIDENTIAL**

Re: Well Completion Form

To Whom It May Concern:

I have enclosed the amended ACO-1 form and associated data for the following well:

API # 15-125-30961-00-00  
Tull #7-1

We respectfully request that all information submitted be kept confidential and per provision E-4 of K.A. R. 82-3-107. We request that the term of the confidentiality be extended by one year.

If you need additional information, please contact me at (913) 748-3960.

Sincerely,



MacLaughlin Darling

Enclosures

cc: Well File  
Field Office

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CONSERVATION DIVISION  
WICHITA, KS

