

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

cont'd  
5/6/08  
5/05/10

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: Timothy H. Wright  
Phone: ( 913 ) 748-3960  
Contractor: Name: McPherson Drilling  
License: 5675  
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. D-30,106

1/11/2008      1/17/2008      1/29/2008  
Spud Date or      Date Reached TD      Completion Date or  
Recompletion Date                Recompletion Date

API No. 15 - 125-31491-00-00  
County: Montgomery  
01 SW SW NE Sec. 18 Twp. 31 S. R. 13  East  West  
1882 2780 feet from  S / N (circle one) Line of Section  
574 2435 feet from  E /  W (circle one) Line of Section  
Footages Calculated from Per Oper - KCC-016 Nearest Outside Section Corner:

(circle one) NE SE NW  SW  
Lease Name: Tull SWD Well #: 7-1

Field Name: Cherokee Basin Coal Area  
Producing Formation: Cherokee Coals  
Elevation: Ground: 1009' Kelly Bushing: \_\_\_\_\_  
Total Depth: 1975' Plug Back Total Depth: 1758'  
Amount of Surface Pipe Set and Cemented at 43 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 1758  
feet depth to Surface w/ 300 sx cmt.

Drilling Fluid Management Plan SWD NS 16-29-02  
(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: 5-2-08  
Subscribed and sworn to before me this 2 day of May  
20 08.  
Notary Public: MacLaughlin Darling  
Date Commission Expires: 1-4-2009

**KCC Office Use ONLY**  
 Letter of Confidentiality Attached  
 If Denied, Yes  No Date \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
**RECEIVED**  
KANSAS CORPORATION COMMISSION  
**MAY 06 2008**  
CONSERVATION DIVISION  
WICHITA, KS

MacLAUGHLIN DARLING  
Notary Public - State of Kansas  
My Comm. Expires 1-4-2009

Operator Name: Layne Energy Operating, LLC Lease Name: Tull SWD Well #: 7-1  
 Sec. 18 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run:  Compensated Density Neutron Dual Induction	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:60%;">Name</th> <th style="width:20%;">Top</th> <th style="width:20%;">Datum</th> </tr> </thead> <tbody> <tr> <td>Pawnee Lime</td> <td>1053 GL</td> <td>-44</td> </tr> <tr> <td>Excello Shale</td> <td>1168 GL</td> <td>-159</td> </tr> <tr> <td>V-Shale</td> <td>1235 GL</td> <td>-226</td> </tr> <tr> <td>Mineral Coal</td> <td>1282 GL</td> <td>-273</td> </tr> <tr> <td>Mississippian</td> <td>1493 GL</td> <td>-484</td> </tr> </tbody> </table>	Name	Top	Datum	Pawnee Lime	1053 GL	-44	Excello Shale	1168 GL	-159	V-Shale	1235 GL	-226	Mineral Coal	1282 GL	-273	Mississippian	1493 GL	-484
Name	Top	Datum																	
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Mississippian	1493 GL	-484																	

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 KCC

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"	8.625"	24	43'	Type 1	10	t
Casing	6.75"	5.5"	10.5	1758'	60/40 Pozmix	300	w/4% gel 2% CACL

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
	Open Hole Arbuckle 1758' - 1975'	1000 gal 20% HCL Acid	1758' - 1975'

<b>TUBING RECORD</b>		Size <u>2-7/8"</u> Set At <u>1740'</u> Packer At <u>1740'</u>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <u>3/17/2008</u>		Producing Method <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 Gravity

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Disposition of Gas  Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

METHOD OF COMPLETION Production Interval

MAY 06 2008

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

*IC*  
*could*  
*5/6/08*  
**ENTERED**  
**TREATMENT REPORT & FIELD TICKET**  
**CEMENT**

TICKET NUMBER 13496  
 LOCATION Sumner  
 FOREMAN Kevin McCoy

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1-18-08	4758	TULL 7-1 SWD	01	315	13E	MG
CUSTOMER			TRUCK #			
Layne Energy			DRIVER			
MAILING ADDRESS			TRUCK #			
P.O. Box 160			DRIVER			
CITY			TRUCK #			
Sycamore			DRIVER			
STATE			TRUCK #			
KS			DRIVER			
ZIP CODE			TRUCK #			
CONFIDENTIAL			DRIVER			
MAY 05 2008			TRUCK #			
JOB TYPE			DRIVER			
Longstring			TRUCK #			
HOLE SIZE			DRIVER			
2 7/8			TRUCK #			
HOLE DEPTH			DRIVER			
1971'			TRUCK #			
CASING SIZE & WEIGHT			DRIVER			
5 1/2 15.50 # MW			TRUCK #			
CASING DEPTH			DRIVER			
1763'			TRUCK #			
SLURRY WEIGHT			DRIVER			
14 #			TRUCK #			
SLURRY VOL			DRIVER			
79 BBL			TRUCK #			
WATER gal/sk			DRIVER			
7			TRUCK #			
CEMENT LEFT in CASING			DRIVER			
0'			TRUCK #			
DISPLACEMENT			DRIVER			
5 BBL			TRUCK #			
DISPLACEMENT PSI			DRIVER			
			TRUCK #			
MIX PSI			DRIVER			
			TRUCK #			
RATE			DRIVER			
			TRUCK #			

REMARKS: *Safety Meeting: Ran 5 1/2 casing w/ open hole hook wall packer w/ Port Collar Set @ 1763'. Ran 2 7/8 tubing w/ opening & closing tool. Load 5 1/2 casing w/ fresh water. Close in Annulus of 2 7/8 tubing. Open Port Collar. Break Circulation w/ 15 BBL fresh water. Pump 8 SKS Gel flush, 10 BBL former, 5 BBL dye water. Mixed 300 sks 60/40 Pozmix Cement w/ 4% Gel, 5" Kol-Seal/sk, 2% Cact @ 14"/gal, yield 1.48. Displace w/ 5 BBL fresh water. Close Port Collar. Pressure casing to 1100 PSI. Tool closed. Open Annulus of 2 7/8 tubing. Back wash w/ 15 BBL water the short way. Back wash w/ 45 BBL water the long way. Casing ID Clean. Pull tubing. Job Complete - Rig down. Good Cement Returns to Surface = 7 BBL Slurry to Pit.*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	875.00	875.00
5406	40	MILEAGE	3.45	138.00
1131	300 SKS	60/40 Pozmix Cement	10.80	3240.00
1118 A	1030 #	Gel 4%	.16 #	164.80
1110 A	1500 #	Kol-Seal 5"/sk	.40 #	600.00
1102	515 #	Cact 2%	.70 #	360.50
1118 A	400 #	Gel Flush	.16 #	64.00
1143	1 GAL	Soap	36.85	36.85
5407 A	12.9 Tons	40 miles BULK TRUCK	1.14	588.24
			Sub Total	6067.39
			SALES TAX	294.75
			ESTIMATED TOTAL	6302.14

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 CONSERVATION DIVISION  
 WICHITA, KS

THANK YOU  
 219788

AUTHORIZATION witnessed By Jacob TITLE Layne Co. Rep. DATE \_\_\_\_\_

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

*cont'd.  
5/6/08  
JCC*

TICKET NUMBER 13519  
 LOCATION Eureka  
 FOREMAN Steve Dand

TREATMENT REPORT & FIELD TICKET  
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1-29-08	4758	Tull #1 SWD	01	315	13E	
CUSTOMER			TRUCK #			
Layne Energy			485			
MAILING ADDRESS			DRIVER			
P.O. Box 160			Abn			
CITY			TRUCK #			
Sycamore			452763			
STATE			DRIVER			
KS			Tim			
ZIP CODE						
CONFIDENTIAL						

JOB TYPE Acid HOLE SIZE MAY 05 2008 HOLE DEPTH 1971' CASING SIZE & WEIGHT 5 1/2"  
 CASING DEPTH 1767 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL KCC WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety Meeting's Rig up to 5 1/2 casing. Pump 4 bbls HCL water loaded casing. Pressure up to 600#. Took Pressure up to 2100# Blow bottom plate off casing. Pump 8 bbls HCL water. Shut down Run wire line & Check T D on well. Tag bottom at 1768'. Pump 1000 gallons 20% HCL Acid. Displace with 10 bbls HCL water. Rate 8 bbls per min 200#. Shut down pressure on well. Wait on pulling wait and 2 1/2 tubing in. Rig up to Annette side. Pump 28 bbls water with Packer Fluid. Set packer. MIT Well 300# 30 min. Job Complete Rig down

*Thank you*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL	
5307	1	PUMP CHARGE	585.00	585.00	
5306	40	MILEAGE	3.46	138.00	
3108	1000 gallons	20% HCL Acid w/ Inhibitor	1.56	1560.00	
3171	6 gallons	Zoan Control	1.85	11.10	
3134	3 gallons	Surface Tension Reducer	34.95	104.85	
3172	5 gallons	HCL	27.10	135.50	
3178	2 1/2 gallons	Packer Fluid	40.00	100.00	
5501A	5 hrs	Water Transport	104.00	520.00	
3129	7000 gallons	City Water	13.30	93.10	
				Sub Total	2996.00
				SALES TAX	4.95
				ESTIMATED TOTAL	3000.95

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 WICHITA, KS

AUTHORIZATION Witness by Jacob TITLE Co. Rep DATE \_\_\_\_\_  
 29960  
 3458.48

# Daily Well Work Report

*cont'd.  
5/6/08  
KCC*

TULL 7-1 SWD  
1/11/2008

Well Location:  
MONTGOMERY KS

~~31S-13E-1 SW SW NE~~ *01-315-13E*  
2500FNL / 2435FEL

Cost Center  
Lease Number  
Property Code  
API Number

G01014300200  
G010143  
KSSY31S13E0107SW  
15-125-31491

Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
1/11/2008	1/17/2008	1/29/2008			

TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1975	1758	43	1758	0	0

Reported By KRD

Rig Number

Date

1/11/2008

Taken By KRD

Down Time

Present Operation DRILL OUT FROM UNDER SURFACE

Contractor

MCPHERSON

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## Narrative

**MAY 05 2008**

MIRU MCPHERSON DRILLING, DRILLED 11" HOLE, 43' DEEP. RIH W/2 JOINTS 8-5/8" SURFACE CASING. MIXED 10 SKS TYPE 1 CEMENT, DUMPED DOWN THE BACKSIDE. SDFN. DWC:\$3,160

*KCC*

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WICHITA, KS

# GEOLOGIC REPORT

LAYNE ENERGY  
Tull 7-1 SWD  
SW NE, 2500 FNL, 2435 FEL  
Section 1-T31S-R13E  
Montgomery County, KS

Spud Date: 1/11/2008  
Drilling Completed: 1/17/2008  
Logged: 1/17/2008  
A.P.I. #: 15125314910000  
Ground Elevation: 1009'  
Depth Driller: 1975'  
Depth Logger: 1971'  
Surface Casing: 8.625 inches at 43'  
Production Casing: 5.5 inches at 1763'  
Cemented Job: Consolidated  
Open Hole Logs: Dual Induction SFL/GR, Litho Density /  
Neutron Logs

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Formation	Tops	
	(below ground)	(subsea)
	Surface (Robbins	
Douglas Group	Shale Member)	1,009
Pawnee Limestone	1,053	-44
Excello Shale	1,168	-159
"V" Shale	1,235	-226
Mineral Coal	1,282	-273
Mississippian	1,493	-484

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