

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

5/06/10

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: KCC  
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.  
1/25/2008 1/28/2008 2/28/2008  
Spud Date or 1/28/2008 2/28/2008  
Recompletion Date Date Reached TD Completion Date or  
Recompletion Date

API No. 15 - 125-31509-00-00  
County: Montgomery  
N2 N2 SW Sec. 9 Twp. 32 S. R. 16  East  West  
2176 feet from (S) N (circle one) Line of Section  
1236 feet from E / (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW (SW)  
Lease Name: Journot Well #: 12-9  
Field Name: Cherokee Basin Coal Area  
Producing Formation: Cherokee Coals  
Elevation: Ground: 776' Kelly Bushing:  
Total Depth: 1096' Plug Back Total Depth: 1095'  
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 1095  
feet depth to Surface w/ 150 sx cmt.

Drilling Fluid Management Plan All II NY 6-30-09  
(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: [Signature]  
Title: Agent Date: 5/6/08  
Subscribed and sworn to before me this 6 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  Date: RECEIVED  
WIRELINE LOG RECEIVED KANSAS CORPORATION COMMISSION  
MAY 07 2008  
Conservation Division WICHITA, KS

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

Operator Name: Layne Energy Operating, LLC Lease Name: Journot Well #: 12-9  
 Sec. 9 Twp. 32 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input 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 style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Pawnee Lime</td> <td>534 GL</td> <td>243</td> </tr> <tr> <td>Excello Shale</td> <td>682 GL</td> <td>94</td> </tr> <tr> <td>V-Shale</td> <td>733 GL</td> <td>43</td> </tr> <tr> <td>Mineral Coal</td> <td>774 GL</td> <td>2</td> </tr> <tr> <td>Mississippian</td> <td>1096 GL</td> <td>-320</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	534 GL	243	Excello Shale	682 GL	94	V-Shale	733 GL	43	Mineral Coal	774 GL	2	Mississippian	1096 GL	-320
Name	Top	Datum																	
Pawnee Lime	534 GL	243																	
Excello Shale	682 GL	94																	
V-Shale	733 GL	43																	
Mineral Coal	774 GL	2																	
Mississippian	1096 GL	-320																	

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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"	8.625"	24	48'	Class A	8	Type 1 cement
Casing	6.75"	4.5"	10.5	1095'	Thick Set	150	50/50 posmix w/2% gel

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 Page		

TUBING RECORD Size <u>2-3/8"</u> Set At <u>1075'</u> Packer At _____ Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date of First, Resumerd Production, SWD or Enhr. <u>3/7/2008</u> Producing Method <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. <u>0</u> Gas Mcf <u>13</u> Water Bbls. <u>&lt;1</u> Gas-Oil Ratio _____ Gravity _____	RECEIVED KANSAS CORPORATION COMMISSION

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

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled \_\_\_\_\_

Production Interval  Other (Specify) \_\_\_\_\_

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WICHITA, KS

<b>Operator Name:</b>	Layne Energy Operating, LLC.		
<b>Lease Name:</b>	Journot 12-9		
	Sec. 9 Twp. 32S Rng. 16E, Montgomery County		
<b>API:</b>	15-125-31509-00-00		
<b>Shots per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	<b>Depth</b>
<b>Initial Perforations (February 2008)</b>			
4	Riverton 1069' - 1071.5'	1300 lbs 20/40 sand 263 bbls water 500 gals 15% HCl acid	1069' - 1071.5'
4	Rowe 1014.5' - 1016.5'	1400 lbs 20/40 sand 285 bbls water 1000 gals 15% HCl acid	1014.5' - 1016.5'
4	Weir 845.5' - 847.5'	3800 lbs 20/40 sand 309 bbls water 350 gals 15% HCl acid	845.5' - 847.5'
4	Mineral 773.5' - 775' Croweburg 733.5' - 736.5'	5800 lbs 20/40 sand 366 bbls water 500 gals 15% HCl acid	733.5' - 775'
4	Mulky 682.5' - 688'	6200 lbs 20/40 sand 309 bbls water 350 gals 15% HCl acid	682.5' - 688'

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

TICKET NUMBER 13528  
 LOCATION EUREKA  
 FOREMAN KEVIN MCCOY

TREATMENT REPORT & FIELD TICKET  
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1-29-08	4758	Journot 12-9				MG
CUSTOMER <b>Layne Energy</b>			Gus Jones Rig 1			
MAILING ADDRESS P.O. Box 160			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY Sycamore			445	Justin		
STATE KS			515	Jerrid		
ZIP CODE			452 T63	Jim		

JOB TYPE Logging HOLE SIZE 6 3/4 HOLE DEPTH 1100' CASING SIZE & WEIGHT 4 1/2 10.5" NBW  
 CASING DEPTH 1095 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.9\* SLURRY VOL 37.5 BBL WATER gal/sk 6.1 CEMENT LEFT in CASING 0'  
 DISPLACEMENT 17.4 BBL DISPLACEMENT PSI 600 PSI 1000 Bump Plug RATE \_\_\_\_\_

REMARKS: Sheddy meeting: Rig up to 4 1/2 casing. Break circulation w/ 20 BBL fresh water. Pumped 6 SKS Gel flush w/ HULLS, 15 BBL water spacer, 5 BBL Dye water. mixed 150 SKS 50/50 Pozmix Cement w/ 2% Gel, 2% CaCl2, 4" Kol-Seal, 3" Cal-Seal, 1/4" Floccle, 1/2% FZ-110, 1/4% CAF-38 @ 13.9\*/gal, yield 1.40. wash out Pump & Lines. Shut down. Release Plug. Displace w/ 17.4 BBL fresh water. Final Pumping Pressure 600 PSI. Bump Plug to 1000 PSI. wait 2 minutes. Release Pressure. Float Hatch. Good Cement Returns to Surface. 15 BBL Slurry (20 SKS) to Pit. Job Complete. Rig down.

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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
1124	150 SKS	50/50 Pozmix Cement	9.50	1425.00
1118 A	250 "	Gel 2%	.16 "	40.00
1102	250 "	CaCl2 2%	.70 "	175.00
1110 A	600 "	Kol-Seal 4"/SK	.40 "	240.00
1101	450 "	Cal-Seal 3"/SK	.35 "	157.50
1107	37 "	Floccle 1/4" /SK	1.98 "	73.26
1135	63 "	FZ-110 1/2%	7.15 "	450.45
1146	32 "	CAF-38 1/4%	7.50 "	240.00
4404	1	4 1/2 Top Rubber Plug	42.00	42.00
1118 A	300 "	Gel flush	.16 "	48.00
1105	50 "	Hulls	.37 "	18.50
5407	6.3 TONS	Ten Mileage Bulk TRUCK	MIC	300.00
5501 c	4 HRS	WATER TRANSPORT	104.00	416.00
1123	5000 GALS	City water	13.30/1000	66.50
Sub Total				3000.00
THANK YOU			5.3%	159.00
219959			SALES TAX	159.00
			ESTIMATED	159.00
			TOTAL	3159.00

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AUTHORIZATION Witnessed By Jacob TITLE Layne Co. Rep. DATE \_\_\_\_\_  
 4824.62

# Daily Well Work Report

JOURNOT 12-9

1/28/2008

**Well Location:**  
MONTGOMERY KS  
32S-16E-9 N2 N2 SW  
2176FSL / 1236FWL

**Cost Center** C01017200100  
**Lease Number** C010172  
**Property Code** KSCV32S16E0912  
**API Number** 15-125-31509

Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
1/25/2008	1/28/2008	2/28/2008	3/7/2008	3/7/2008	JOURNOT_12_9
TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1096	1095	43	1095		

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<b>Reported By</b> krd	<b>Rig Number</b>	<b>Date</b> 1/25/2008
<b>Taken By</b> krd		<b>Down Time</b>
<b>Present Operation</b> DRILL OUT SURFACE		<b>Contractor</b> MCPHERSON

KCC

## Narrative

MIRU MCPHERSON, DRILLED 11" HOLE, 43' DEEP, RIH W/2JOINTS 8-5/8" SURFACE CASING. MIXED 8 SX TYPE 1 CEMENT, DUMPED DOWN BACKSIDE. SDFN. DWC:\$3160

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**GEOLOGIC REPORT**

LAYNE ENERGY  
Journot 12-9  
NW SW, 2176 FSL, 1236 FWL  
Section 9-T32S-R16E  
Montgomery County, KS

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Spud Date: 1/25/2008  
Drilling Completed: 1/28/2008  
Logged: 1/28/2008  
A.P.I. #: 15125315090000  
Ground Elevation: 776'  
Depth Driller: 1096'  
Depth Logger: 1100'  
Surface Casing: 8.625 inches at 43'  
Production Casing: 4.5 inches at 1095'  
Cemented Job: Consolidated  
Open Hole Logs: Dual Induction SFL/GR, High Resolution  
Compensated Density/Neutron

<b>Formation</b>	<b>Tops</b>	
	<b>(below ground)</b>	<b>(subsea)</b>
Quaternary	Surface (Alluvium)	776
Pawnee Limestone	534	243
Excello Shale	682	94
"V" Shale	733	43
Mineral Coal	774	2
Mississippian	1,096	-320

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