

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

5/09/10

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: Thornton Air Rotary
License: 33606
Wellsite Geologist:

Designate Type of Completion: **CONFIDENTIAL**
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW **KCC**
 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.

1/16/2008	1/18/2008	3/19/2008
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-31497-00-00
County: Montgomery
NE NE Sec. 18 Twp. 31 S. R. 14 East West
992 feet from S / **(N)** (circle one) Line of Section
605 feet from **(E)** W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) **(NE)** SE NW SW
Lease Name: Wittum Well #: 1-18
Field Name: Cherokee Basin Coal Area
Producing Formation: Cherokee Coals
Elevation: Ground: 925' Kelly Bushing:
Total Depth: 1614' Plug Back Total Depth: 1610'
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 1610
feet depth to Surface w/ 225 sx cmt.

Drilling Fluid Management Plan **At I N O J O**
(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: 5/9/08
Subscribed and sworn to before me this 9 day of May
20 08
Notary Public: *MacLaughlin Darling*
Date Commission Expires: 1-4-2009

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

KCC Office Use ONLY
 Letter of Confidentiality Attached
 If Denied, Yes Date: RECEIVED
 Wireline Log Received KANSAS CORPORATION COMMISSION
 Geologist Report Received
MAY 12 2008
Conservation Division
WICHITA, KS

Operator Name: Layne Energy Operating, LLC Lease Name: Wittum Well #: 1-18
 Sec. 18 Twp. 31 S. R. 14 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>979 GL</td> <td>-54</td> </tr> <tr> <td>Excello Shale</td> <td>1110 GL</td> <td>-185</td> </tr> <tr> <td>V-Shale</td> <td>1178 GL</td> <td>-253</td> </tr> <tr> <td>Mineral Coal</td> <td>1224 GL</td> <td>-299</td> </tr> <tr> <td>Mississippian</td> <td>1545 GL</td> <td>-620</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	979 GL	-54	Excello Shale	1110 GL	-185	V-Shale	1178 GL	-253	Mineral Coal	1224 GL	-299	Mississippian	1545 GL	-620
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Mississippian	1545 GL	-620																	

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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	21'	Class A	4	Type 1 cement
Casing	6.75"	4.5"	10.5	1610'	Thick Set	225	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	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2-3/8"	1554'			
Date of First, Resumerd Production, SWD or Enhr.		Producing Method			
3/25/2008		<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	<1	96		

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

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Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Wittum 1-18		
	Sec. 18 Twp. 31S Rng. 14E, Montgomery County		
API:	15-125-31497-00-00		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
Initial Perforations (March 2008)			
4	Riverton 1511.5' - 1513'	2400 lbs 20/40 sand 339 bbls water 550 gals 15% HCl acid	1511.5' - 1513'
4	Rowe 1451.5' - 1453.5' Drywood 1409' - 1410'	4400 lbs 20/40 sand 326 bbls water 400 gals 15% HCl acid	1409' - 1453.5'
4	Mineral 1224' - 1225.5' Croweburg 1179' - 1182'	6400 lbs 20/40 sand 380 bbls water 400 gals 15% HCl acid	1179' - 1225.5'
4	Mulky 1112' - 1115' Summit 1096' - 1098'	7900 lbs 20/40 sand 385 bbls water 500 gals 15% HCl acid	1096' - 1115'

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CONSERVATION DIVISION
WICHITA, KS

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



ENTERED

TICKET NUMBER 13504
 LOCATION Eureka
 FOREMAN Troy Strickler

**TREATMENT REPORT & FIELD TICKET
 CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
1-21-08	4758	Wittum #1-18				MG	
CUSTOMER <u>Layne Energy</u>			Gas Jones	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS <u>P.O. Box 160</u>				<u>520</u>	<u>Shannon</u>		
CITY <u>Sycamore</u>				<u>439</u>	<u>John</u>		
STATE <u>Ks</u>							
ZIP CODE							

JOB TYPE Logging HOLE SIZE 6 3/4" HOLE DEPTH 1612' CASING SIZE & WEIGHT 4 1/2" 10.5
 CASING DEPTH 1610' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.9" SLURRY VOL 56.8bl WATER gal/sk 6.1" CEMENT LEFT in CASING 0'
 DISPLACEMENT 25.68bl DISPLACEMENT PSI 600 MIX PSI 11000-mp/ly RATE _____

REMARKS: Safety meeting: Break Circulation w/ 30.8bl Fresh Water. Pump back Gel-Flush w/ Halls, 15.8bl Water spacer, 5.8bl Dye water. Mixed 225sks 50/50 Poz-mix Cement w/ 2% Gel, 2% Cacl₂, 4" Hot-Seal Puff, 3" Cal-Seal Puff, 1/2" Floccle, 1/2% FL-110, 1/4% CAF-38 @ 13.9" Puff, yield 1.40. Wash out Pump + lines. Shut down. Release Plug. Displace w/ 25.68bl Fresh Water. Final Pumping Pressure 600PSI. Pump Plug to 1100PSI wait 2mins. Release Pressure. Float Hold. Good Cement to surface = 78bl Plug to Pit.

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Job Complete

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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	225sks	50/50 Poz-mix Cement	9.30	2092.50
1118A	380"	Gel 2%	.16"	60.80
1102	380"	Cacl ₂ 2%	.70"	266.00
1110A	900"	Hot-Seal 4"/sk	.40"	360.00
1101	675"	Cal-Seal 3"/sk	.35"	236.25
1107	55"	Floccle 1/2"/sk	1.98"	108.90
1135	94"	FL-110 1/2%	7.15"	672.10
1146	47"	CAF-38 1/4%	7.20"	343.10
1118A	300"	Gel-Flush	.16"	48.00
1105	50"	Halls	1.37"	18.50
5407A	9.45 Ton	Ton-Mileage Bulk Truck	1.14	430.92
4404	1	4 1/2" Top Rubber Plug	42.00	42.00
		Thank You!	Sub Total	5682.07
			SALES TAX	225.14
			ESTIMATED TOTAL	5917.21

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 MAY 12 2008
 CONSERVATION DIVISION
 WICHITA, KS

219194

AUTHORIZATION Called by Jacob

TITLE Layne Co-Rep.

DATE _____

Daily Well Work Report

WITTUM 1-18
1/18/2008

Well Location:
MONTGOMERY KS
31S-14E-18 NE NE
992FNL / 605FEL

Cost Center G01026000100
Lease Number G010260
Property Code KSSY31S14E1801
API Number 15-125-31497

Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
1/16/2008	1/18/2008	3/19/2008	3/25/2008	3/24/2008	WITTUM_1_18
TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1614	1610	21	1610	0	0
Reported By KRD	Rig Number 1610	Date 1/16/2008			
Taken By KRD	Down Time				
Present Operation DRILL OUT FROM UNDER SURFACE	Contractor THORNTON DRILLING				

Narrative

MIRU THORNTON DRILLING, DRILLED 11" HOLE, 21' DEEP, RIH W/ 1 JT 8 5/8" SURFACE CASING, MIXED 4 SX TYPE 1 CEMENT, DUMPED DOWN THE BACKSIDE. SDFN.
DWC:\$2880

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WICHITA, KS

GEOLOGIC REPORT

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LAYNE ENERGY
Wittum 1-18
NE NE, 992 FNL, 605 FEL
Section 18-T31S-R14E
Montgomery County, KS

Spud Date: 1/16/2008
Drilling Completed: 1/18/2008
Logged: 1/18/2008
A.P.I. #: 15125314970000
Ground Elevation: 925'
Depth Driller: 1614'
Depth Logger: 1614'
Surface Casing: 8.625 inches at 21'
Production Casing: 4.5 inches at 1610'
Cemented Job: 0
Open Hole Logs: Dual Induction SFL/GR, Litho Density /
Neutron Logs

Formation	Tops	
	(below ground)	(subsea)
Surface (Revard Sandstone Bed)		925
Douglas Group		
Pawnee Limestone	979	-54
Excello Shale	1,110	-185
"V" Shale	1,178	-253
Mineral Coal	1,224	-299
Mississippian	1,545	-620

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