

5/15/09

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

ORIGINAL

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

CONFIDENTIAL

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: Thorton Air
License: 33606
Wellsite Geologist: _____

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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. _____

01/19/2007 01/22/2007
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 125-31278-00-00
County: Montgomery
NE SW Sec. 2 Twp. 31 S. R. 16 East West
2046' feet from N (circle one) Line of Section
1428' feet from E / W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Mick Well #: 11-2
Field Name: Neodesha
Producing Formation: Cherokee Coals
Elevation: Ground: 808' Kelly Bushing: _____
Total Depth: 1144' Plug Back Total Depth: 1139'
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 1139'
feet depth to Surface w/ 115 sx cmf.

Drilling Fluid Management Plan AH II NH10-2808
(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: MR [Signature]
Title: Agent Date: 5/15/2007
Subscribed and sworn to before me this 15th day of May,
20 07.
Notary Public: [Signature]
Date Commission Expires: 10/14/2008

MARGARET ALLEN
Notary Public - State of Kansas
My App. Expires 10/14/2008

KCC Office Use ONLY
 Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
RECEIVED
KANSAS CORPORATION COMMISSION
MAY 16 2007

CONSERVATION DIVISION
WICHITA, KS

Operator Name: Layne Energy Operating, LLC Lease Name: Mick Well #: 11-2
 Sec. 2 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 <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 style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Pawnee Lime</td> <td>486 GL</td> <td>323</td> </tr> <tr> <td>Excello Shale</td> <td>619 GL</td> <td>189</td> </tr> <tr> <td>V Shale</td> <td>671 GL</td> <td>137</td> </tr> <tr> <td>Mineral Coal</td> <td>711 GL</td> <td>97</td> </tr> <tr> <td>Mississippian</td> <td>1,027 GL</td> <td>- 219</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	486 GL	323	Excello Shale	619 GL	189	V Shale	671 GL	137	Mineral Coal	711 GL	97	Mississippian	1,027 GL	- 219
Name	Top	Datum																	
Pawnee Lime	486 GL	323																	
Excello Shale	619 GL	189																	
V Shale	671 GL	137																	
Mineral Coal	711 GL	97																	
Mississippian	1,027 GL	- 219																	

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	20'	Class A	4	Type 1 cement
Casing	6.75	4.5	10.5	1139'	Thick Set	115	

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				

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Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>
	SI-waiting on completion	

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 <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

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

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

TICKET NUMBER 16800
 LOCATION Eureka
 FOREMAN Troy Strickler

TREATMENT REPORT & FIELD TICKET
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1-23-07	4758	Mick 11-2				MG

CUSTOMER
Layne Energy
 MAILING ADDRESS
P.O. Box 1160
 CITY
Sycamore STATE Ks ZIP CODE

TRUCK #	DRIVER	TRUCK #	DRIVER
445	Justin		
439	Jarid		
434	Jim		

JOB TYPE longstring HOLE SIZE 6 3/4" HOLE DEPTH 1144' CASING SIZE & WEIGHT 4 1/2" 10.5"
 CASING DEPTH 1159' DRILL PIPE TUBING OTHER
 SLURRY WEIGHT 13.2" SLURRY VOL 36584 WATER gall/sk 8' CEMENT LEFT in CASING 0'
 DISPLACEMENT 18861 DISPLACEMENT PSI 700 MIX PSI 1200 Bump Ply RATE

REMARKS: Safety meeting: Rig up to 4 1/2" casing. Break circulation w/ 20861 water. Pump 4sk Gel-Flush, 10861 water spacer, 10861 Metasilicate Pre-Flush, 9861 Dye water. Mixed 115sk Thick set Cement w/ 10" Kol-Seal pipe @ 13.2" Perf. Wash out pump + lines. Release Plug. Displace w/ 18861 water. Final Pumping. Pressure 700 PSI. Bump Plug to 1200 PSI. Wait 2mins. Release Pressure. Float Held. Good Cement to surface = 8861 slug to pt. Job Complete.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	840.00	840.00
5406	40	MILEAGE	3.30	132.00
1126A	115sk	Thickset Cement	15.40	1771.00
1110A	1150"	Kol-Seal 10" Pipe	.38"	437.00
1118A	200"	Gel-Flush	.15"	30.00
1111A	50"	Metasilicate Pre-Flush	1.65"	82.50
5407A	6.3 Ton	Ton-Mileage Bulk Truck	1.10	277.20
5502C	4hrs.	80861 Vac Truck	90.00	360.00
1123	3000gal	City Water	12.80 Ppgal	38.40
4404	1	4 1/2" Top Rubber	40.00	40.00
Sub Total				4008.10
SALES TAX				127.14
ESTIMATED TOTAL				4135.24

RCC
 MAY 15 2007
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 KANSAS CORPORATION COMMISSION
 MAY 16 2007
 CONSERVATION DIVISION
 WICHITA, KS

AUTHORIZATION called by Mike TITLE Co-Rep DATE _____

Well Report

MICK 11-2

API Number:

AFE Number: C01033900100

Project Area:

CHERRYVALE
KS MONTGOMERY
31S - 16E - 2
2046FSL - 1428FWL

AFE Amount: \$0.00

Activity Date

Activity Description

1/19/2007

MIRU Thorton Air Drilling, drilled 11' hole 20' deep, rih w/1 jt 8-5/8" surface casing, mixed 4 sks type 1 cement, dumped dn the backside. SDFN

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CONSERVATION DIVISION
WICHITA, KS

GEOLOGIC REPORT

LAYNE ENERGY
Mick 11-2
NE SW, 2046 FSL, 1428 FWL
Section 2-T31S-R16E
Montgomery County, KS

Spud Date: 1/19/2007
Drilling Completed: 1/22/2007
Logged: 1/22/2007
A.P.I. #: 15125312780000
Ground Elevation: 808'
Depth Driller: 1144'
Depth Logger: 1143'
Surface Casing: 8.625 inches at 20'
Production Casing: 4.5 inches at 1139'
Cemented Job: Consolidated
Open Hole Logs: Dual Induction SFL/GR, High Resolution
Compensated Density/Neutron

Formation	Tops	
	(below ground)	(subsea)
Quaternary	Surface (Alluvium)	808
Pawnee Limestone	486	323
Excello Shale	619	189
"V" Shale	671	137
Mineral Coal	711	97
Mississippian	1,027	-219

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WICHITA, KS

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OIL & GAS CONSERVATION DIVISION

ORIGINAL

5/17/09

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM

AMENDED

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. Brent Natrass
Phone: (913) 748-3960
Contractor: Name: Thorton Air
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. _____
01/19/2007 01/22/2007 6/11/2007
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 125-31278-00-00
County: Montgomery
_____ NW _____ NE _____ SW Sec. 2 Twp. 31 S. R. 16 East West
2046' feet from (S) / N (circle one) Line of Section
1428' feet from E / (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW (SW)
Lease Name: Mick Well #: 11-2
Field Name: Neodesha
Producing Formation: Cherokee Coals
Elevation: Ground: 808' Kelly Bushing: _____
Total Depth: 1144' Plug Back Total Depth: 1139'
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 1139'
feet depth to Surface w/ 115 sx cmt.

Drilling Fluid Management Plan
(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: _____
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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: 10/5/07
Subscribed and sworn to before me this 5 day of October,
2007.
Notary Public: MacLaughlin Darling
Date Commission Expires: 1-4-2009

KCC Office Use ONLY
 Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
RECEIVED
KANSAS CORPORATION COMMISSION
OCT 08 2007

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

Operator Name: Layne Energy Operating, LLC Lease Name: Mick Well #: 11-2
 Sec. 2 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 <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 style="width:100%; border-collapse: collapse;"> <tr> <th style="width:60%;">Name</th> <th style="width:20%;">Top</th> <th style="width:20%;">Datum</th> </tr> <tr> <td>Pawnee Lime</td> <td>486 GL</td> <td>323</td> </tr> <tr> <td>Excello Shale</td> <td>619 GL</td> <td>189</td> </tr> <tr> <td>V Shale</td> <td>671 GL</td> <td>137</td> </tr> <tr> <td>Mineral Coal</td> <td>711 GL</td> <td>97</td> </tr> <tr> <td>Mississippian</td> <td>1,027 GL</td> <td>- 219</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	486 GL	323	Excello Shale	619 GL	189	V Shale	671 GL	137	Mineral Coal	711 GL	97	Mississippian	1,027 GL	- 219
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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	20'	Class A	4	Type 1 cement
Casing	6.75"	4.5"	10.5	1139'	Thick Set	115	

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 <i>(Amount and Kind of Material Used)</i>	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"	946'			
Date of First, Resumerd Production, SWD or Enhr.			Producing Method		
6/19/2007			<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	1	0		

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

RECEIVED
KANSAS CORPORATION COMMISSION
OCT 08 2007
 CONSERVATION DIVISION
 WICHITA, KS

CONFIDENTIAL

Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Mick 11-2		
	Sec. 2 Twp. 31S Rng. 16E, Montgomery County		
API:	15-125-31278-00-00		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
Initial Perforations			
4	Lower Bartlesville 922' - 925'	50 bbls water 200 gals 15% HCl acid	922' - 925'

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OCT 08 2007

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