

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

10/18/09
Form ACO-1
September 1999
Form Must Be Typed

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 ____ 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: 5/4/2006 Original Total Depth: 1167'

____ 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. _____

6/25/2007 6/25/2007
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 125-31047-00-02

County: Montgomery

____ NE ____ NE ____ NW Sec. 25 Twp. 31 S. R. 16 ☒ East ☐ West

480 feet from S / ☒ (circle one) Line of Section

2014 feet from E / ☒ (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE ☒ NW SW

Lease Name: Holt Well #: 3-25

Field Name: Neodesha

Producing Formation: Cherokee Coals

Elevation: Ground: 846' Kelly Bushing: _____

Total Depth: 1167' Plug Back Total Depth: 1158'

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 1158

feet depth to Surface w/ 140 sx cmt.

Drilling Fluid Management Plan W0 N5S-1209
(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: 10-18-07

Subscribed and sworn to before me this 18 day of October

20 07

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

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

CONSERVATION DIVISION
WICHITA, KS

Operator Name: Layne Energy Operating, LLC Lease Name: Holt Well #: 3-25
 Sec. 25 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 ☐ 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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☒ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Pawnee Lime	521 GL	325
Excello Shale	667 GL	179
V Shale	719 GL	127
Mineral Coal	762 GL	84
Mississippian	1069 GL	-223

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	21'	Class A	4	Type 1 cement
Casing	6.75"	4.5"	10.5	1158'	Thick Set	140	

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
		2-3/8"	1080'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.		Producing Method			
6/29/2007		<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	14	8		

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

Operator Name: Layne Energy Operating, LLC.
Lease Name: Holt 3-25
 Sec. 25 Twp. 31S Rng. 16E, Montgomery County
API: 15-125-31047-00-02

Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
Initial Perforations (5/2006)			
4	Riverton 1055' - 1057.5'	1700 lbs 20/40 sand 250 gal 15% HCl acid 224 bbls water	1055' - 1057.5'
1st Recompletion Perforations (2/2007)			
4	Rowe 1000' - 1001.5'	1600 lbs 20/40 sand 300 gal 15% HCl acid 207 bbls water	1000' - 1001.5'
2nd Recompletion Perforations (6/2007)			
4	Mineral 762' - 763.5' Croweburg 718.5' - 722.5'	4500 lbs 20/40 sand 900 gal 15% HCl acid 478 bbls water	718.8' - 763.5'

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