

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL
Form ACO-1
September 1999
Form Must Be Typed

7/23/09

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: M. Brent Natrass
Phone: (913) 748-3960
Contractor: Name: Thornton Air Rotary
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. _____

3/28/2007 3/30/2007 Pending
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 049-22456-00-00
County: Elk
SE SW Sec. 5 Twp. 29 S. R. 12 East West
660 feet from (S) / N (circle one) Line of Section
1980 feet from E / (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Clogston Trust Well #: 14-5
Field Name: Cherokee Basin Coal Area
Producing Formation: Cherokee Coals
Elevation: Ground: 1000' Kelly Bushing: _____
Total Depth: 1694' Plug Back Total Depth: 1694'
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 1665'
feet depth to Surface w/ 165 sx cmf.

Drilling Fluid Management Plan ATTACHED 1-2-109
(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.: _____

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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: MB Natrass
Title: Agent Date: 7/23/07
Subscribed and sworn to before me this 23 day of July
07
Notary Public: MacLaughlin Darling
Date Commission Expires: 1/4/2009

MacLAUGHLIN DARLING
Notary Public - State of Kansas
My Appt. 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
RECEIVED
KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WICHITA, KS
JUL 25 2007

Operator Name: Layne Energy Operating, LLC Lease Name: Clogston Trust Well #: 14-5
 Sec. 5 Twp. 29 S. R. 12 East West County: Elk

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:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Pawnee Lime</td> <td>1300 GL</td> <td>-300</td> </tr> <tr> <td>Excello Shale</td> <td>1380 GL</td> <td>-380</td> </tr> <tr> <td>V Shale</td> <td>1450 GL</td> <td>-450</td> </tr> <tr> <td>Mineral Coal</td> <td>1488 GL</td> <td>-488</td> </tr> <tr> <td>Mississippian</td> <td>1673 GL</td> <td>-673</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	1300 GL	-300	Excello Shale	1380 GL	-380	V Shale	1450 GL	-450	Mineral Coal	1488 GL	-488	Mississippian	1673 GL	-673
Name	Top	Datum																	
Pawnee Lime	1300 GL	-300																	
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Mississippian	1673 GL	-673																	

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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	43'	Class A	10	Type 1 cement
Casing	6.75"	4.5"	10.5	1665'	Thick Set	165	10# KOL seal @ sx

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

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. Pending Completion			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
	0	0	0		

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

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

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Daily Well Work Report

CLOGSTON TRUST 14-5

3/30/2007

Well Location:

Elk KS
29S-12E-5 SE SW
660FSL / 1980FWL

Cost Center

Lease Number
Property Code
API Number

G01036200100
G010362
KSSY29S12E0514
15-049-22456

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Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
3/28/2007	3/30/2007	7/16/2007	7/17/2007	6/21/2007	CLOGSTON_14_5

TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1694	1694	43	1665.1	0	0

Reported By KRD **Rig Number** **Date** 3/28/2007
Taken By KRD **Down Time**
Present Operation Drill out from under surface. **Contractor** Thornton Drilling

Narrative

MIRU Thornton Drilling, drilled 11' hole, 43' deep, rih w/2jt 8-5/8" surface casing. Mixed 10 sxs type 1 cement, dumped dn the back side. SDFN. DWC: \$3,160

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CONSERVATION DIVISION
WICHITA, KS

Monday, July 23, 2007

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

TICKET NUMBER **17118**
LOCATION SURFAC
FOREMAN Kevin McCoy

TREATMENT REPORT & FIELD TICKET
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-2-07	4758	Clopton Rust 14-5				SEA
CUSTOMER			TRUCK # DRIVER TRUCK # DRIVER			
Layne Energy			445 Justin			
MAILING ADDRESS			479 Jeff			
P.O. Box 160			436 John			
CITY			452763 Jim			
STATE						
Sycamore						
ZIP CODE						
KS						
JOB TYPE <u>Longstring</u>		HOLE SIZE <u>6 3/4</u>	HOLE DEPTH <u>1694'</u>		CASING SIZE & WEIGHT <u>4 1/2 10.5" 17.0 lb</u>	
CASING DEPTH <u>1665'</u>		DRILL PIPE	TUBING		OTHER	
SLURRY WEIGHT <u>13.2"</u>		SLURRY VOL <u>51 BBL</u>	WATER gal/sk <u>8.0</u>		CEMENT LEFT in CASING <u>0'</u>	
DISPLACEMENT <u>26.2 BBL</u>		DISPLACEMENT PSI <u>700</u>	PSI <u>1700</u> Pumping Rate			

Gus Jones R91

REMARKS: Safety Meeting: Rig up to 4 1/2 casing. Break circulation w/ 30 BBL fresh water. Pump 10 BBL metasilicate pre flush, 5 BBL water spacer, 10 BBL dye water. mixed 165 sks Thick Set Cement w/ 10" Kel-Seal mixed @ 12.2" per gal, yield 1.75. wash out Pump & Lines. Shut down. Release Plug. Displace w/ 26.2 BBL fresh water. Final Pumping Pressure 700 psi. Pump Plug to 1400 psi. wait 2 minutes. Release Pressure. First Hold. Good Cement Returns to Surface = 9 BBL Slurry. Job Complete. Rig down.

Note: Well was killed on 3-30-07 with water. After killing well, ann Hole was left full of Gal.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	899.00	899.00
5406	40	MILEAGE	3.30	132.00
1126 A	165 sks	THICK SET CEMENT	15.40	2541.00
1110 A	1650 "	Kel-Seal 10" per/sk	.38 "	627.00
1111 A	50 "	metasilicate pre flush	1.65 "	82.50
5407 A	9.07 Tons	40 miles Bulk TRUCK	1.10	997.70
5508 C	4 hrs	80 BBL VAC TRUCK	90.00	360.00
5501 C	4 hrs	Water Transport	100.00	400.00
1123	6700 gals	City water	12.84/mgd	86028.00
4404	1	4 1/2 Top Rubber Plug RECEIVED	40.00	40.00
KANSAS CORPORATION COMMISSION				
JUL 25 2007				
			Sub Total	3522.34
			SALES TAX	225.70
			ESTIMATED TOTAL	3748.04

THANK YOU

212823

AUTHORIZATION Called By Mike Taylor

TITLE Co. Rep.

DATE 5720.04

GEOLOGIC REPORT

LAYNE ENERGY
Clogston Trust 14-5
SE SW, 660 FSL, 1980 FWL
Section 5-T29S-R12E
Elk County, KS.

Spud Date: 3/28/2007
Drilling Completed: 3/30/2007
Logged: 3/30/2007
A.P.I. #: 1504922456
Ground Elevation: 1000'
Depth Driller: 1694'
Depth Logger: 1691'
Surface Casing: 8.625 inches at 41'
Production Casing: 4.5 inches at 1665.1'
Cemented Job: 0
Open Hole Logs: Dual Induction SFL/GR, High Resolution
Compensated Density/Neutron

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Formation	Tops	
	(below ground)	(subsea)
Quaternary	Surface (Alluvium)	1,000
Pawnee Limestone	1,300	-300
Excello Shale	1,380	-380
"V" Shale	1,450	-450
Mineral Coal	1,488	-488
Mississippian	1,673	-673

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