

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

9/13/09
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: M. Brent Natrass
Phone: (913) 748-3960
Contractor: Name: Thornton Air Rotary
License: 33606
Wellsite Geologist: _____

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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. _____

5/18/2007 5/21/2007 8/24/2007
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 125-31352-00-00
County: Montgomery
 - - SW NE Sec. 19 Twp. 31 S. R. 17 East West
1978 feet from S / **(N)** (circle one) Line of Section
1978 feet from **(E)** W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
 (circle one) **(NE)** SE NW SW
Lease Name: Voelker Well #: 7-19
Field Name: Cherokee Basin Coal Area
Producing Formation: Cherokee Coals
Elevation: Ground: 842' Kelly Bushing: _____
Total Depth: 1102' Plug Back Total Depth: 1097'
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 1097
feet depth to Surface w/ 110 sx cmt.

Drilling Fluid Management Plan AT INJ 3509
(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: MB Natrass
Title: Agent Date: 9/13/07
Subscribed and sworn to before me this 13 day of September
20 07.
Notary Public: MacLaughlin Darline
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
KANSAS CORPORATION COMMISSION
SEP 14 2007

Operator Name: Layne Energy Operating, LLC Lease Name: Voelker Well #: 7-19
 Sec. 19 Twp. 31 S. R. 17 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:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Pawnee Lime</td> <td>498 GL</td> <td>344</td> </tr> <tr> <td>Excello Shale</td> <td>622 GL</td> <td>220</td> </tr> <tr> <td>V Shale</td> <td>678 GL</td> <td>164</td> </tr> <tr> <td>Mineral Coal</td> <td>725 GL</td> <td>117</td> </tr> <tr> <td>Mississippian</td> <td>1024 GL</td> <td>-182</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	498 GL	344	Excello Shale	622 GL	220	V Shale	678 GL	164	Mineral Coal	725 GL	117	Mississippian	1024 GL	-182
Name	Top	Datum																	
Pawnee Lime	498 GL	344																	
Excello Shale	622 GL	220																	
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Mineral Coal	725 GL	117																	
Mississippian	1024 GL	-182																	

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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	# 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	1097'	Thick Set	110	#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 (Amount and Kind of Material Used)	Depth
	See Attached Page		

TUBING RECORD Size <u>2-3/8"</u> Set At <u>1012'</u> Packer At Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date of First, Resumerd Production, SWD or Enhr. <u>SI - waiting on pipeline</u>
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	

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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Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Voelker 7-19		
	Sec. 19 Twp. 31S Rng. 17E, Montgomery County		
API:	15-125-31352-00-00		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
Initial Perforations			
4	Rowe 966' - 968' Drywood 848' - 850' Bluejacket 831.5' - 835' Weir 807' - 809'	10900 lbs 20/40 sand 755 bbls water 725 gals 15% HCl acid	807' - 968'
4	Scammon 741' - 743' Mineral 724' - 726' Fleming 691' - 693' Croweburg 679' - 681' Bevier 656' - 659'	14600 lbs 20/40 sand 928 bbls water 532 gals 15% HCl acid	656' - 743'

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CONSERVATION DIVISION
WICHITA, KS

Daily Well Work Report

VOELKER 7-19

5/21/2007

Well Location:
MONTGOMERY KS
31S-17E-19 SW NE
1978FNL / 1978FEL

Cost Center C01020500100
Lease Number C010205
Property Code KSCV31S17E1907
API Number 15-125-31352

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Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
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5/18/2007	5/21/2007				
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TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
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1102	1097	21	1097	0	0
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Reported By krd	Rig Number	Date 5/18/2007
Taken By krd		Down Time
Present Operation drill out surface		Contractor Thornton Rotary

Narrative

Miru Thornton Drilling, drilled 11" hole, 21' deep, rih w/ 1 jt 8-5/8" surface casing, mxd 4 sxs type 1 cmt, dumped dn the backside, sdfn.
DWC: \$ 2,880

Thursday, August 23, 2007

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WICHITA, KS

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

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TICKET NUMBER 17386
 LOCATION EUREKA
 FOREMAN Kevin McCoy

TREATMENT REPORT & FIELD TICKET
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-22-07	4758	VOELKER 7-19				MG
CUSTOMER <u>Layne Energy</u>			Gus James Rig 1			
MAILING ADDRESS <u>P.O. Box 160</u>			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY <u>Sycamore</u>			<u>445</u>	<u>Justin</u>		
STATE <u>Ks</u>	ZIP CODE		<u>439</u>	<u>JARRID</u>		
JOB TYPE <u>Longstring</u>	HOLE SIZE <u>6 3/4</u>	HOLE DEPTH <u>1105'</u>	CASING SIZE & WEIGHT <u>4 1/2 10.5" New</u>			
CASING DEPTH <u>1097'</u>	DRILL PIPE	TUBING	OTHER			
SLURRY WEIGHT <u>13.2*</u>	SLURRY VOL <u>34 BBL</u>	WATER gal/sk <u>8.0</u>	CEMENT LEFT in CASING <u>0'</u>			
DISPLACEMENT <u>17.5 BBL</u>	DISPLACEMENT PSI <u>600</u>	PSI <u>1200 Bump Plug</u>	RATE			

REMARKS: Safety Meeting: Rig up to 4 1/2 casing. Break Circulation w/ 20 BBL Fresh water. Pump 4 SKS Gal Flush, 10 BBL water spacer, 10 BBL potassiumate Pre Flush, 9 BBL Dye water. Mixed 110 SKS Thick Set Cement w/ 10" KOL-SEAL per/sk @ 13.2* per/gal, yield 1.75. wash out Pump & Lines. Shut down. Release Plug. Displace w/ 17.5 BBL Fresh water. Final Pumping Pressure 600 PSI. Bump Plug to 1200 PSI. wait 2 minutes. Release Pressure. Flow held. Good Cement Returns to Surface = 8 BBL Slurry. Job Complete. Rig down.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	840.00	840.00
5406	40	MILEAGE 1 st well of 2	3.30	132.00
1126 A	110 SKS	THICK SET Cement	15.40	1694.00
1110 A	1100 *	KOL-SEAL 10" per/sk	.38 *	418.00
1118 A	200 *	GAL Flush	.15 *	30.00
1111 A	50 *	POTASSIATE Pre Flush	1.65 *	82.50
5407 A	6.05 TONS	40 miles BULK TRUCK	1.10	266.20
4404	1	4 1/2 Top Rubber Plug	40.00	40.00
			Sub Total	3282.70
			SALES TAX	170.01
			ESTIMATED TOTAL	3452.71

THANK YOU 5-3%
 AUTHORIZATION Called By Mike Taylor TITLE Co. Rep.
 DATE SEP 14 2007
 KANSAS CORPORATION COMMISSION

GEOLOGIC REPORT

LAYNE ENERGY
Voelker 7-19
SW NE, 1978 FNL, 1978 FEL
Section 19-T31S-R17E.
Montgomery County, KS

Spud Date: 5/18/2007
Drilling Completed: 5/21/2007
Logged: 5/22/2007
A.P.I. #: 15125313520000
Ground Elevation: 842'
Depth Driller: 1102'
Depth Logger: 1100'
Surface Casing: 8.625 inches at 21'
Production Casing: 4.5 inches at 1097'
Cemented Job: 0
Open Hole Logs: Dual Induction SFL/GR, High Resolution
Compensated Density/Neutron

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Formation

	Tops	
	(below ground)	(subsea)
	Surface	
Kansas City Group	(Cherryvale Shale)	842
Pawnee Limestone	498	344
Excello Shale	622	220
"V" Shale	678	164
Mineral Coal	725	117
Mississippian	1,024	-182

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