

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

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:
 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. _____

<u>7/27/2007</u>	<u>7/30/2007</u>	<u>9/20/2007</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-31399-00-00
County: Montgomery
 - - NE - NW Sec. 19 Twp. 32 S. R. 17 East West
473 feet from S / (circle one) Line of Section
2613 feet from E / (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Cretcher Well #: 3-19
Field Name: Cherokee Basin Coal Area

Producing Formation: Cherokee Coals
Elevation: Ground: 764' Kelly Bushing: _____
Total Depth: 1103' Plug Back Total Depth: 1091'
Amount of Surface Pipe Set and Cemented at 23 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 1091
feet depth to Surface w/ 115 sx cmt.

Drilling Fluid Management Plan APINS 3-11-05
(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: 10-31-07
Subscribed and sworn to before me this 31 day of October
20 07.
Notary Public: MacLaughlin Darline
Date Commission Expires: 1-4-2009



KCC Office Use ONLY
 Letter of Confidentiality Attached
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
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JIC Distribution

CONSERVATION DIVISION
WICHITA, KS

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Operator Name: Layne Energy Operating, LLC Lease Name: Cretcher Well #: 3-19
 Sec. 19 Twp. 32 S. R. 17 East West County: Montgomery

KGC

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Pawnee Lime	424 GL	340
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Excello Shale	574 GL	190
List All E. Logs Run:		V-Shale	627 GL	137
Compensated Density Neutron		Mineral Coal	672 GL	92
Dual Induction		Mississippian	1005 GL	-241

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	23'	Class A	4	Type 1 cement
Casing	6.75"	4.5"	10.5	1091'	Thick Set	115	#10 KOL seal @ sx

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ 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 <u>2-3/8"</u>	Set At <u>974'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <u>9/28/2007</u>		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i>			
Estimated Production Per 24 Hours	Oil Bbls. <u>0</u>	Gas Mcf <u>2</u>	Water Bbls. <u>8</u>	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:	Cretcher 3-19		
	Sec. 19 Twp. 32S Rng. 17E, Montgomery County		
API:	15-125-31399-00-00		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
Initial Perforations			
4	Rowe 927.5' - 929.5'	900 lbs 20/40 sand 272 bbls water 600 gals 15% HCl acid	927.5' - 929.5'
4	Weir 801' - 803' Tebo 739' - 741.5'	5900 lbs 20/40 sand 420 bbls water 455 gals 15% HCl acid	739' - 803'
4	Mineral 672' - 674' V-Shale 629' - 631.5' Iron Post 603.5' - 606'	8200 lbs 20/40 sand 570 bbls water 530 gals 15% HCl acid	603.5' - 674'
4	Mulky 574' - 579.5' Summit 547.5' - 552' Lexington 456.5' - 458'	8600 lbs 20/40 sand 603 bbls water 750 gals 15% HCl acid	456.5' - 579.5'

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GEOLOGIC REPORT

LAYNE ENERGY
Cretcher 3-19
NE NW, 473 FNL, 2613 FWL
Section 19-T32S-R17E
Montgomery County, KS

Spud Date: 7/27/2007
Drilling Completed: 7/30/2007
Logged: 7/31/2007
A.P.I. #: 15125313990000
Ground Elevation: 764'
Depth Driller: 1105'
Depth Logger: 1105'
Surface Casing: 8.625 inches at 23'
Production Casing: inches at '
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)	764
Pawnee Limestone	424	340
Excello Shale	574	190
"V" Shale	627	137
Mineral Coal	672	92
Mississippian	1,005	-241

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CONSOLIDATED OIL WELL SERVICES, INC.
 P.O. BOX 884, CHANUTE, KS 66720
 620-431-9210 OR 800-467-8678

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TICK NUMBER 12331

LOCATION EUREKA

FOREMAN RICK LEOPOLD

TREATMENT REPORT & FIELD TICKET

CEMENT

DATE	CUSTOMER #	WELL NAME	SECTION	TOWNSHIP	RANGE	COUNTY
8-1-07	4758	<u>Gretna 3-19</u>				MG
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Layne Energy			463	Kyle		
MAILING ADDRESS			515	Celia		
P.O. Box 1100						
CITY	STATE	ZIP CODE				
Sycamore	KS					

Gus Jones

JOB TYPE log string HOLE SIZE 6 3/4" HOLE DEPTH 1105' CASING SIZE & WEIGHT 4 1/2" 10.5"
 CASING DEPTH 1091' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.2# SLURRY VOL 36 bbl WATER gal/sk 8.0 CEMENT LEFT in CASING 0'
 DISPLACEMENT 17.3 bbl DISPLACEMENT PSI 500 PSI 1000 RATE _____

REMARKS: Safety meeting. Rig up to 4 1/2" casing. Break circulation w/ 25 bbl fresh water. Pump 8 sks gel-flush/hulls, 5 bbl water spacer, 20 bbl metasilicate pre-flush, 8 bbl dye water. Mixed 115 sks thickset cement w/ 10" Kal-seal @ 13.2# gal. Washout pump & lines shut down, release plug. Displace w/ 12.3 bbl fresh water. Final pump pressure 500 PSI. Bump plug to 1000 PSI. wait 2 minutes, release pressure, float held. Good cement returns to surface = 2 bbl slurry to pit. Job complete. Rig down.

"Thank You"

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	115 sks	thickset cement	15.40	1271.00
1118A	1150 #	Kal-seal 10" @ 13.2#	.38	437.00
1118A	400 #	gel-flush	.15	60.00
1105	50 #	hulls	.36	18.00
1102	80 #	spacer	.67	53.60
1111A	100 #	metasilicate pre-flush	1.65	165.00
5407A	6.93	ten-mileage bulk tax	1.10	228.52
4404	1	4 1/2" top collar plug	40.00	40.00
		Subtotal		3795.12
		SALES TAX	5.38	134.86
		ESTIMATED TOTAL		3929.98

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AUTHORIZATION Called by Mugg TITLE Co. Rep. DATE _____

Daily Well Work Report

CRETCHER 3-19

7/30/2007

Well Location:
MONTGOMERY KS
32S-17E-19 NE NW
473FNL / 2613FWL

Cost Center C01013200100
Lease Number C010132
Property Code KSCV32S17E1903
API Number 15-125-31399

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Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
7/27/2007	7/30/2007	9/20/2007	9/28/2007	9/27/2007	CRETCHER_3_19
TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1103	1091	23	1091	0	0

Reported By krd **Rig Number** **Date** 7/27/2007
Taken By krd **Down Time**
Present Operation Drill Out from Under surface **Contractor** McPherson

Narrative

Miru Thornton Drilling, drilled 11" hole, 23' deep, rih w/ 1 jt 8-5/8" surface casing, mxd 4 sxs type 1 cmt, dumped dn the backside, sdfn.
DWC: \$ 2,880

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