

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

10/28/08

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: MoKat
License: 5831

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: _____ 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>7/15/2008</u>	<u>7/18/2008</u>	<u>Pending</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-31711-00-00

County: Montgomery

____ - ____ - ____ NW - NW Sec. 21 Twp. 31 S. R. 14 East West

530 feet from S / (circle one) Line of Section

390 feet from E / (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE SW

Lease Name: Ratzlaff Well #: 4-21

Field Name: Cherokee Basin Coal Area

Producing Formation: Cherokee Coals

Elevation: Ground: 853' Kelly Bushing: _____

Total Depth: 1458' Plug Back Total Depth: 1447'

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 1447

feet depth to Surface w/ 200 sx cmt.

Drilling Fluid Management Plan Alt II NJ 1-21-09
(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: _____
Title: Agent Date: 10-28-08

Subscribed and sworn to before me this 28 day of October, 2008.

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

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OCT 29 2008

CONSERVATION DIVISION
WICHITA, KS

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Operator Name: Layne Energy Operating, LLC Lease Name: Ratzlaff Well #: 4-21
 Sec. 21 Twp. 31 S. R. 14 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 <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	894 GL	-41
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Excello Shale	1026 GL	-173
List All E. Logs Run:		V-Shale	1086 GL	-233
Compensated Density Neutron		Mineral Coal	1131 GL	-278
Dual Induction		Mississippian	1393 GL	-540

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	1447'	Thick Set	200	50/50 posmix w/2% gel

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

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TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CONSERVATION DIVISION WICHITA, KS
Date of First, Resumerd Production, SWD or Enhr. Pending		Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i>					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		
	0		0				

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

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled

Production Interval Other *(Specify)*

GEOLOGIC REPORT

LAYNE ENERGY
Ratzlaff 4-21
NW NW, 530 FNL, 390 FWL
Section 21-T31S-R14E
Montgomery County, KS

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Spud Date: 7/15/2008
Drilling Completed: 7/18/2008
Logged: 7/17/2008
A.P.I. #: 15125317110000
Ground Elevation: 853'
Depth Driller: 1458'
Depth Logger: 1456'
Surface Casing: 8.625 inches at 21'
Production Casing: 4.5 inches at 1447'
Cemented Job: Consolidated
Open Hole Logs: Dual Induction SFL/GR, Litho Density /
Neutron Logs

Formation	Tops	
	(below ground)	(subsea)
Quaternary	Surface (Alluvium)	853
Pawnee Limestone	894	-41
Excello Shale	1,026	-173
"V" Shale	1,086	-233
Mineral Coal	1,131	-278
Mississippian	1,393	-540

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CONSERVATION DIVISION
WICHITA, KS

Daily Well Work Report

RATZLAFF 4-21
7/15/2008

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Well Location:
MONTGOMERY KS
31S-14E-21 NW NW
530FNL / 390FWL

Cost Center G01014200400
Lease Number G010142
Property Code KSSY31S14E2104
API Number 15-125-31711

Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
7/15/2008	7/18/2008				

TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1458	1447	21	1447	0	0

Reported By KRD	Rig Number	Date 7/15/2008
Taken By KRD		Down Time
Present Operation DRILL OUT SURFACE		Contractor MOKAT DRILLING

Narrative

MIRU MOKAT DRILLING, DRILLED 11" HOLE, 21' DEEP, RIH W/1 JT 8 5/8" SURFACE CASING, MIXED 4 SX TYPE 1 CEMENT, DUMPED DOWN THE BACKSIDE. SDFN.
DWC:\$2880

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CONSERVATION DIVISION
WICHITA, KS



CONSOLIDATED
Oil Well Services, LLC

ENTERED

TICKET NUMBER 18854

LOCATION FOREMA

FOREMAN RICK LEONARD

PO Box 884, Chanute, KS 66720
820-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-18-08	4758	Ratzlaff 4-21				ME
CUSTOMER						
Layne Energy						
MAILING ADDRESS						
P.O. Box 160						
CITY		STATE	ZIP CODE			
Sycamore		KS				
			TRUCK #	DRIVER	TRUCK #	DRIVER
			463	Shannon		
			477	John		

JOB TYPE Logging HOLE SIZE 6 7/8" HOLE DEPTH 1458' CASING SIZE & WEIGHT 4 1/2" 10.5"
 CASING DEPTH 1456' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.9* SLURRY VOL 50 bbl WATER gal/sk 6' CEMENT LEFT in CASING 0'
 DISPLACEMENT 23' bbl DISPLACEMENT PSI 800 PSI 1200 RATE _____

REMARKS: Safety meeting- Rig up to 4 1/2" casing. Break circulation w/ 30 bbl fresh water. Washdown to T.D. Pump to 500 gal flush w/ bulls, 5 bbl water spacer. Mixed 200 sks 50/50 Permox cement w/ 270 conc, 270 gal, 4" Katson, 3" cat-sol, 1/2" phenoxal, 1/2" FL-110 + 1/4" CAF-38 @ 13.9* yield 1.0. Washout plug & lines, shut down release plug. Displace w/ 23' bbl fresh water. Final pump pressure 800 PSI. Pump plug to 1200 PSI. wait 2 minutes, release pressure, float hold. Good cement returns to surface = 8 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	925.00	925.00
5406	1	MILEAGE 2nd well	n/c	n/c
1124	200 sks	50/50 Permox cement	9.25	1850.00
1102	335*	270 conc	.25	251.85
1118A	335*	270 gal	.17	56.85
1109A	800*	4" Katson 100/sk	.42	336.00
1101	600*	3" cat-sol 100/sk	.36	216.00
1107A	25*	1/2" phenoxal 100/sk	1.15	28.75
1135	100*	1/2" FL-110	7.50	750.00
1146	50*	1/4" CAF-38	7.70	385.00
1118A	300*	gel-flush	.17	51.00
1105	50*	bulls	.39	19.50
5407A	8.4	tan mileage bulk trk	1.20	403.20
4404	1	1/2" top rubber plug	45.00	45.00
5605A	4 hrs	welder	85.00	340.00
			RECEIVED KANSAS CORPORATION COMMISSION OCT 29 2008	
			CONSERVATION DIVISION WICHITA, KS	5757.65
			5.32 SALES TAX	216.75
			ESTIMATED TOTAL	5974.40

Ravin 3737

AUTHORIZATION Witnessed by Jacob

TITLE Co. Mgr

DATE _____