

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

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DEC 07 2007

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>8/28/2007</u>	<u>8/30/2007</u>	<u>10/5/2007</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-31428-00-00
County: Montgomery **KCC**
_____ SW_ NW_ Sec. 4 Twp. 32 S. R. 14 East West
2083 feet from S / (circle one) Line of Section
367 feet from E / (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Rowe Well #: 5-4
Field Name: Cherokee Basin Coal Area

Producing Formation: Cherokee Coals
Elevation: Ground: 859' Kelly Bushing: _____
Total Depth: 1526' Plug Back Total Depth: 1516'
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 1516
feet depth to Surface w/ 155 sx cmt.

Drilling Fluid Management Plan ATTN: 5-5-09
(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: 12-6-07

Subscribed and sworn to before me this 6 day of December
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
LIC Distribution

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

DEC 10 2007

CONSERVATION DIVISION
WICHITA, KS

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DEC 07 2007

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Operator Name: Layne Energy Operating, LLC Lease Name: Rowe Well #: 5-4
 Sec. 4 Twp. 32 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	913 GL	-54
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Excello Shale	1056 GL	-197
List All E. Logs Run:		V Shale	1106 GL	-247
Compensated Density Neutron		Mineral Coal	1152 GL	-293
Dual Induction		Mississippian	1414 GL	-555

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	1516'	Thick Set	155	#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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	
				Depth
	See Attached Page			

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2-3/8"	1455'			
Date of First, Resumerd Production, SWD or Enhr.			Producing Method			
10/9/2007			<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	26	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) _____

Production Interval: _____

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Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Rowe 5-4		
	Sec. 4 Twp. 32S Rng. 14E, Montgomery County		
API:	15-125-31428-00-00		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
Initial Perforations			
4	Rowe 1367' - 1369'	2800 lbs 20/40 sand 222 bbls water 380 gals 15% HCl acid	1367' - 1369'
4	Weir 1211' - 1213' Mineral 1152' - 1154'	5200 lbs 20/40 sand 387 bbls water 454 gals 15% HCl acid	1152' - 1213'
4	V-Shale 1107' - 1110' Bevier 1086' - 1087.5'	5800 lbs 20/40 sand 435 bbls water 500 gals 15% HCl acid	1086' - 1110'
4	Mulky 1056' - 1062' Summit 1033' - 1037'	11000 lbs 20/40 sand 699 bbls water 1000 gals 15% HCl acid	1033' - 1062'

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GEOLOGIC REPORT

LAYNE ENERGY
Rowe 5-4
SW NW, 2083 FNL, 367 FWL
Section 4-T32S-R14E
Montgomery County, KS

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Spud Date: 8/28/2007
Drilling Completed: 8/30/2007
Logged: 8/30/2007
A.P.I. #: 15125314280000
Ground Elevation: 859'
Depth Driller: '
Depth Logger: 1525'
Surface Casing: 8.625 inches at 21'
Production Casing: inches at '
Cemented Job: 0
Open Hole Logs: Dual Induction SFL/GR, High Resolution
Compensated Density/Neutron

Formation

Tops

	(below ground)	(subsea)
Surface (South Bend Limestone Member)		859
Lansing Group	913	-54
Pawnee Limestone	1,056	-197
Excello Shale	1,106	-247
"V" Shale	1,152	-293
Mineral Coal	1,414	-555
Mississippian		

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Daily Well Work Report

ROWE 5-4
8/30/2007

Well Location:
MONTGOMERY KS
32S-14E-4 SW NW
2083FNL / 367FWL

Cost Center G01020000100
Lease Number G010200
Property Code KSSY32S14E0405
API Number 15-125-31428

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Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
8/28/2007	8/30/2007	10/5/2007	10/9/2007	10/9/2007	ROWE_5_4
TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1526	1515.6	21	1515.6		

Reported By krd	Rig Number	Date 8/28/2007
Taken By krd		Down Time
Present Operation Drill out from under surface		Contractor Thornton

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

Wednesday, December 05, 2007

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CONSERVATION DIVISION
WICHITA, KS

CONSOLIDATED OIL WELL SERVICES, LLC

P.O. BOX 884, CHANUTE, KS 66720

620-431-9210 OR 800-467-8676

TICKET NUMBER 12570

LOCATION Evreka

FOREMAN Russell McCreary

TREATMENT REPORT & FIELD TICKET
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-31-07	4758	Row 5-4				MO
CUSTOMER			TRUCK #			
Layne Energy			DRIVER			
MAILING ADDRESS			TRUCK #			
P.O. Box 160			DRIVER			
CITY			STATE			
Sycamore			KS			
ZIP CODE			RIG #			
			Gus Jones			
			Rig 1			

JOB TYPE hangstring HOLE SIZE 10 3/4 HOLE DEPTH 1555 CASING SIZE & WEIGHT 4 1/2 10.5 lb
 CASING DEPTH 1545 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.2 SLURRY VOL 48 Bbl WATER gal/sk 800 CEMENT LEFT IN CASING _____
 DISPLACEMENT 25 Bbl DISPLACEMENT PSI 700 MIX PSI 200 RATE _____

REMARKS: Safety meeting, Rig up to 4 1/2 casing, Break circulation w/ 35 Bbl Fresh water, Pump 400 # Gel w/ Hulls, 5 Bbl water spacer, 80 Bbl Metasilicate Pre Flush, 5 Bbl water spacer, 15 Bbl DYE water mix 155 SKs T.S. cement w/ 10 # Kolsol at 13.2 # yield of 1.75 wash out Pump + lines, shut Down, Release 4 1/2 Top Rubber Plug Displace w/ 25 Bbl Fresh water. Final Pump PSI 700 # Bump Plug to 1250 # check float after 2 min float held. Close casing in a PSI w/ 8 Bbl good cement slurry to surface. Build Dam around Annulus cement stayed at surface. Job complete, Tear 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	3.30	132.00
1126	155 SKs	Thick set cement	15.40	2387.00
1110 A	1550 #	Kolsol 10 # per/sk	.38	589.00
1118 A	400 #	Gel Flush	.15	60.00
1105	50 #	Hulls	.36	18.00
1102	80 #	CAE12	.67	53.60
1111 A	100 #	metasilicate Pre Flush	1.65	165.00
5407A	8.52 Tons	40 mils Bulk Tank	1.10	374.88
4404	1	4 1/2 Top Rubber Plug	40.00	40.00
			Sub Total	4,659.48
			5.3 %	SALES TAX ESTIMATED TOTAL
				175.57
				4,835.05

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THANK YOU
12/14/07

AUTHORIZATION called by Gus Jones TITLE Rig Owner DATE 8-31-07