

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

11/5/10

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: _____

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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>8/6/2008</u>	<u>8/8/2008</u>	<u>9/15/2008</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-31731-00-00
County: Montgomery
 NW SE SW Sec. 15 Twp. 32 S. R. 14 East West
1041 feet from **(S)** / N (circle one) Line of Section
1775 feet from E / **(W)** (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW **(SW)**
Lease Name: Edington Well #: 14-15
Field Name: Cherokee Basin Coal Area
Producing Formation: Cherokee Coals
Elevation: Ground: 843' Kelly Bushing: _____
Total Depth: 1437' Plug Back Total Depth: 1418'
Amount of Surface Pipe Set and Cemented at 22 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 1418
feet depth to Surface w/ 200 sx cmt.

Drilling Fluid Management Plan AT I NJ 17489
(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: Project Engineer Date: 11-5-08
Subscribed and sworn to before me this 5 day of November,
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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Operator Name: Layne Energy Operating, LLC Lease Name: Edington Well #: 14-15
 Sec. 15 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 <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 border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th style="width:15%;">Top</th> <th style="width:15%;">Datum</th> </tr> </thead> <tbody> <tr> <td>Pawnee Lime</td> <td>865 GL</td> <td>-22</td> </tr> <tr> <td>Excello Shale</td> <td>1017 GL</td> <td>-174</td> </tr> <tr> <td>V-Shale</td> <td>1063 GL</td> <td>-220</td> </tr> <tr> <td>Mineral Coal</td> <td>1108 GL</td> <td>-265</td> </tr> <tr> <td>Mississippian</td> <td>1383 GL</td> <td>-540</td> </tr> </tbody> </table>	Name	Top	Datum	Pawnee Lime	865 GL	-22	Excello Shale	1017 GL	-174	V-Shale	1063 GL	-220	Mineral Coal	1108 GL	-265	Mississippian	1383 GL	-540
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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	22'	Class A	4	Type 1 cement
Casing	6.75"	4.5"	10.5	1418'	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
	See Attached Page		

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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
	2-3/8"	1381'				
Date of First, Resumerd Production, SWD or Enhr.		Producing Method				
9/25/2008		<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	20	0			

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

METHOD OF COMPLETION

Production Interval Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Edington 14-15		
	Sec. 15 Twp. 32S Rng. 14E, Montgomery County		
API:	15-125-31731-00-00		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
Initial Perforations (September 2008)			
4	Rowe 1333' - 1335'	2600 lbs 20/40 sand 220 bbls water 500 gals 15% HCl acid	1333' - 1335'
4	Mineral 1108' - 1109.5'	2600 lbs 20/40 sand 200 bbls water 290 gals 15% HCl acid	1108' - 1109.5'
4	Croweburg 1063' - 1065.5' Iron Post 1041.5' - 1043'	6200 lbs 20/40 sand 397 bbls water 390 gals 15% HCl acid	1041.5' - 1065.5'
4	Mulky 1018' - 1022.5'	5400 lbs 20/40 sand 271 bbls water 300 gals 15% HCl acid	1018' - 1022.5'
4	Summit 991.5' - 993'	1100 lbs 20/40 sand 167 bbls water 500 gals 15% HCl acid	991.5' - 993'

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CONSERVATION DIVISION
WICHITA, KS

GEOLOGIC REPORT

LAYNE ENERGY
Edington 14-15
SE SW, 1041 FSL, 1775 FWL
Section 15-T32S-R14E
Montgomery County, KS

Spud Date: 8/6/2008
Drilling Completed: 8/8/2008
Logged: 8/8/2008
A.P.I. #: 15125317310000
Ground Elevation: 843'
Depth Driller: 1437'
Depth Logger: 1436'
Surface Casing: 8.625 inches at 22'
Production Casing: 4.5 inches at 1415'
Cemented Job: Consolidated
Open Hole Logs: Dual Induction SFL/GR, Litho Density /
Neutron Logs

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Formation	Tops	
	(below ground)	(subsea)
	Surface (Stoner	
Lansing Group	Limestone	843
Pawnee Limestone	865	-22
Excello Shale	1,017	-174
"V" Shale	1,063	-220
Mineral Coal	1,108	-265
Mississippian	1,383	-540

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WICHITA, KS

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Daily Well Work Report

EDINGTON 14-15

8/6/2008

Well Location:
MONTGOMERY KS
32S-14E-15 NW SE SW
1041FSL / 1775FWL

Cost Center G01057000100
Lease Number G010570
Property Code KSSY32S14E1514
API Number 15-125-31731

Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
8/6/2008	8/8/2008	9/15/2008	9/25/2008	9/24/2008	EDINGTON_14_15

TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1437	1418	22	1418	0	0

Reported By krd	Rig Number	Date 8/6/2008
Taken By krd		Down Time
Present Operation DRILL OUT SURFACE		Contractor THORNTON DRILLING

Narrative

MIRU THORNTON DRILLING, DRILLED 11" HOLE, 22' 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 18960

LOCATION EUREKA

FOREMAN Rick Ledford

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY												
8-8-08	4758	Edington 14-15				MG												
CUSTOMER <u>Layne Energy</u>			<table border="1"> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>RIVER</th> </tr> <tr> <td>463</td> <td>Shannon</td> <td></td> <td></td> </tr> <tr> <td>439</td> <td>Colin</td> <td></td> <td></td> </tr> </table>				TRUCK #	DRIVER	TRUCK #	RIVER	463	Shannon			439	Colin		
TRUCK #	DRIVER	TRUCK #					RIVER											
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MAILING ADDRESS <u>P.O. Box 160</u>			<table border="1"> <tr> <td colspan="4">NOV 05 2008</td> </tr> <tr> <td colspan="4">CONFIDENTIAL</td> </tr> </table>				NOV 05 2008				CONFIDENTIAL							
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CITY <u>Syranok</u>	STATE <u>KS</u>	ZIP CODE																

JOB TYPE longstring HOLE SIZE 6 3/4" HOLE DEPTH 1432' CASING SIZE & WEIGHT 4 1/2" 10.5"
 CASING DEPTH 1418' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 129" SLURRY VOL 50 bbl WATER gal/sk 6.1 CEMENT LEFT in CASING 0'
 DISPLACEMENT 22 1/2 bbl DISPLACEMENT PSI 800 PSI 1200 RATE _____

REMARKS: Safety meeting. Rig up to 4 1/2" casing. Break circulation w/ 55 bbl fresh water. Pump 6 sacks gel-flush w/ hulls, 5 bbl water spacer. Mixed 200 sacks 50/50 Permiox cement w/ 270 casing, 270 gal, 4" col-seal, 3" col-seal, 1/2" phenoxal, 1/2" EZ-116 + 4470 CAS-38 @ 129" well yield like washout pump + leak, shut down return plug. Displace w/ 22 1/2 bbl fresh water. Final pump pressure 800 PSI. Pump plug to 1200 PSI, wait 2 minutes, release pressure, flow held. Good cement returns to surface = 7 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	40	MILEAGE	3.65	146.00
1124	200 sacks	50/50 Permiox cement	9.75	1950.00
1102	335"	270 casing	.75	251.25
1118A	335"	270 gal	.17	56.95
1110A	900"	4" col-seal 1 1/2"	.42	336.00
1101	600"	3" col-seal 1 1/2"	.36	216.00
1102A	25"	1/2" phenoxal 1 1/2"	1.15	28.75
1135	100"	1/2" EZ-116	7.50	750.00
1146	50"	4470 CAS-38	7.20	360.00
1118A	300"	gel-flush	.17	51.00
1105	50"	hulls	.39	19.50
5407A	8.4	tan mileage hull trk	1.20	403.20
4404	1	4 1/2" top rubber plug	45.00	45.00
			<u>5.37</u>	<u>5563.65</u>
			SALES TAX	216.75
			ESTIMATED TOTAL	5780.40

Ravin 3737

AUTHORIZATION Jacoby McCall

204596

TITLE _____

DATE _____