

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

5/28/10

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 SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

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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. _____

2/14/2008 2/15/2008 3/12/2008
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 125-31512-00-00
County: Montgomery
W2 SW NE Sec. 31 Twp. 33 S. R. 16 East West
1873 feet from S / N (circle one) Line of Section
2175 feet from E W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Isle Well #: 7-31
Field Name: Cherokee Basin Coal Area
Producing Formation: Cherokee Coals
Elevation: Ground: 799' Kelly Bushing: _____
Total Depth: 1172' Plug Back Total Depth: 1171'
Amount of Surface Pipe Set and Cemented at 40 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 1171
feet depth to Surface w/ 165 sx cmt.

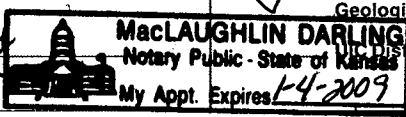
Drilling Fluid Management Plan ATI 150-24-09
(Data must be collected from the Reserve Pit)
Chloride content N/A ppm Fluid volume _____ bbls
Dewatering method used N/A - Air Drilled
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ 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: 5-28-2008
Subscribed and sworn to before me this 28 day of May,
20 08.
Notary Public: MacLaughlin Darling
Date Commission Expires: 1-4-2009

KCC Office Use ONLY
 Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received **RECEIVED**
 Geologist Report Received KANSAS CORPORATION COMMISSION
MAY 29 2008
CONSERVATION DIVISION
WICHITA, KS



Operator Name: Layne Energy Operating, LLC Lease Name: Isle Well #: 7-31
 Sec. 31 Twp. 33 S. R. 16 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 Yes No
 (Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy)

List All E. Logs Run:

Compensated Density Neutron
 Dual Induction

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Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Pawnee Lime	544 GL	255
Excello Shale	708 GL	91
V-Shale	761 GL	39
Mineral Coal	813 GL	-14

KCC CASING RECORD New 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	40'	Class A	8	Type 1 cement
Casing	6.75"	4.5"	10.5	1171'	Thick Set	165	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 (Amount and Kind of Material Used)	Depth
	See Attached Page		

TUBING RECORD Size 2-3/8" Set At 1148' Packer At _____ Liner Run Yes No

Date of First, Resumerd Production, SWD or Enhr. Shut-In Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil 0 Bbls. Gas 0 Mcf Water _____ Bbls. Gas-Oil Ratio _____ Gravity _____

Disposition of Gas _____ METHOD OF COMPLETION _____ Production Interval _____

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled _____
 (If vented, Submit ACO-18.) Other (Specify) _____

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Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Isle 7-31		
	Sec. 31 Twp. 33S Rng. 16E, Montgomery County		
API:	15-125-31512-00-00		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
Initial Perforations (March 2008)			
4	Riverton 1162' - 1164'	2400 lbs 20/40 sand 400 bbls water 518 gals 15% HCl acid	1162' - 1164'
4	Weir 882' - 884.5'	3100 lbs 20/40 sand 189 bbls water 300 gals 15% HCl acid	882' - 884.5'
4	Mineral 812' - 814'	2500 lbs 20/40 sand 155 bbls water 300 gals 15% HCl acid	812' - 814'
4	Croweburg 761' - 763' Bevier 746' - 747' Iron Post 733' - 734'	6600 lbs 20/40 sand 399 bbls water 500 gals 15% HCl acid	733' - 763'
4	Mulky 708' - 710' Summit 678.5' - 680'	5600 lbs 20/40 sand 318 bbls water 500 gals 15% HCl acid	678.5' - 710'

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CONSERVATION DIVISION
WICHITA, KS

Daily Well Work Report

ISLE 7-31
2/15/2008

Well Location:
MONTGOMERY KS
33S-16E-31 SW NE
1873FNL / 2175FEL

Cost Center G01026100200
Lease Number G010261
Property Code KSDC33S16E3107
API Number 15-125-31512

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Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
2/14/2008	2/15/2008	3/12/2008		3/21/2008	ISLE_7_31

TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1172	1171	40	1171	0	0

Reported By krd	Rig Number	Date 2/14/2008
Taken By krd		Down Time
Present Operation DRILL OUT SURFACE		Contractor THORNTON

Narrative

MIRU THORNTON, DRILLED 11" HOLE, 40' DEEP, RIH W/ 2 JT 8 5/8" SURFACE CASING, MIXED 8 SX TYPE 1 CEMENT, DUMPED DOWN THE BACKSIDE. SDFN.
DWC:\$3160

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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 13558

LOCATION FURBER

FOREMAN RICH LEONARD

**TREATMENT REPORT & FIELD TICKET
 CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2-18-08	4258	ISLE 7-31				MG

CUSTOMER	Gus Jones	TRUCK #	DRIVER	TRUCK #	DRIVER
LAME Energy		445	Justin		
MAILING ADDRESS					
P.O. Box 1102					
CITY					
Sycamore					
STATE					
KS					
ZIP CODE					

JOB TYPE mix. pump HOLE SIZE _____ HOLE DEPTH _____ CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting - Rig up to 4 1/2" casing, wash casing down 80' to T.D. come up 12' short. decided to pull pipe + recheck T.D. Job complete. Rig down.

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"Thank You"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5609	3 hrs	PUMP CHARGE	170.00	510.00
5406	40	MILEAGE	3.45	138.00
			Subtotal	648.00
			SALES TAX	
			ESTIMATED TOTAL	648.00

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220316

AUTHORIZATION Witnessed by Jacob TITLE Co. Rep. DATE _____

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

TICKET NUMBER 13606
 LOCATION EUREKA
 FOREMAN Kevin McCoy

TREATMENT REPORT & FIELD TICKET
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2-19-08	4758	Isle 7-31				MC
CUSTOMER <u>Layne Energy</u>			Gus Jones Rig 1			
MAILING ADDRESS <u>P.O. Box 160</u>						
CITY <u>Sycamore</u>	STATE <u>Ks</u>	ZIP CODE	TRUCK #	DRIVER	TRUCK #	DRIVER
			<u>445</u>	<u>Justin</u>		
			<u>502</u>	<u>Heath</u>		

JOB TYPE Logstring HOLE SIZE 6 3/4 HOLE DEPTH 1172' CASING SIZE & WEIGHT 4 1/2 10.5 # new
 CASING DEPTH 1171' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.9 # SLURRY VOL 41 Bbl WATER gal/sk 6.1 CEMENT LEFT in CASING 0'
 DISPLACEMENT 18.6 Bbl DISPLACEMENT PSI 500 RR PSI 1000 Bump Plug RATE _____

REMARKS: Safety Meeting: Rig up to 4 1/2 casing w/ wash head. Break Circulation w/ 25 Bbl fresh water wash down 40' casing w/ additional 30 Bbl water. Pump 6 sks Gel flush w/ Halls, 10 Bbl water spacer, 5 Bbl Dye water. Shut down. Release Plug. Displace w/ 18.6 Bbl fresh water. Final Pumping Pressure 500 PSI. Bump Plug to 1000 PSI. Wait 2 minutes. Release Pressure. Float Held. Good Cement Returns to Surface = 7 Bbl Slurry (28 sks) To Pit. Ran wireline before & after cementing procedures. Top Plug @ 1174'. Job Complete. Rig down.

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ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	875.00	875.00
5406	40	MILEAGE	3.45	138.00
1124	165 sks	50/50 Pozmix Cement	9.30	1534.50
1118A	275 #	Gel 2%	.16 #	44.00
1102	275 #	CAL 2%	.70 #	191.50
1110A	660 #	Kel-Seal 4 #/sk	.40 #	264.00
1101	500 #	CAL-SEAL 3 #/sk	.35 #	175.00
1107	40 #	Floccle 1/4 #/sk	1.98 #	79.20
1135	70 #	FL-110 1/2 %	7.15 #	500.50
1146	35 #	CAF-38 1/4 %	7.30	255.50
1118 A	300 #	Gel Flush	.16 #	48.00
1105	50 #	Halls	.37 #	18.50
5407A	6.93 Tons	40 miles Bulk Truck	1.14	316.01
4404	1	4 1/2 Top Rubber Plug	42.00	42.00
		Sub Total		4000.71
		THANK YOU	5.3%	SALES TAX 167.15
		ESTIMATED TOTAL		4167.86

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 WICHITA, KS

AUTHORIZATION witnessed by Jacob TITLE Layne Co. Rep. DATE _____

220814

4649.86

GEOLOGIC REPORT

LAYNE ENERGY
Isle 7-31
SW NE, 1873 FNL, 2175 FEL
Section 31-T33S-R16E
Montgomery County, KS

Spud Date: 2/14/2008
Drilling Completed: 2/15/2008
Logged: 2/15/2008
A.P.I. #: 15125315120000
Ground Elevation: 799'
Depth Driller: 1172'
Depth Logger: 1160'
Surface Casing: 8.625 inches at 40'
Production Casing: 4.5 inches at 1171'
Cemented Job: Consolidated
Open Hole Logs: Dual Induction SFL/GR, Litho Density /
Neutron Logs

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Formation	Tops	
	(below ground)	(subsea)
	Surface (Noxie	
Kansas City Group	Sandstone)	799
Pawnee Limestone	544	255
Excello Shale	708	91
"V" Shale	761	39
Mineral Coal	813	-14
Mississippian		

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