

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

CONFIDENTIAL

5/05/09

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

5/04/11

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 Drilling  
License: 33606  
Wellsite Geologist:

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KCC

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.

1/22/2009	1/26/2009	Pending
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-31780-00-00  
County: Montgomery  
SW SW Sec. 8 Twp. 30 S. R. 17  East  West  
467 FSL feet from S / N (circle one) Line of Section  
431 FWL feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW  SW  
Lease Name: Harrison Well #: 13-8

Field Name: Cherokee Basin Coal Area  
Producing Formation: Cherokee Coals

Elevation: Ground: 917' Kelly Bushing:  
Total Depth: 1211' Plug Back Total Depth: 1208'  
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 1208'  
feet depth to Surface w/ 125 sx cmt.

A1Z - Dig - 6/16/09

Drilling Fluid Management Plan  
(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: Project Engineer Date: 4/30/09

Subscribed and sworn to before me this 30 day of April 20 09.

Notary Public: MacLaughlin Darling  
Date Commission Expires: 1-4-2013

MacLAUGHLIN DARLING  
Notary Public - State of Kansas  
My Appt Expires 1-4-2013

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

KANSAS CORPORATION COMMISSION

WIC Distribution

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Operator Name: Layne Energy Operating, LLC Lease Name: Harrison Well #: 13-8  
 Sec. 8 Twp. 30 S. R. 17  East  West County: Montgomery

*Handwritten signature/initials*

**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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 KCC

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
Pawnee Lime	601 GL	316
Excello Shale	717 GL	200
V-Shale	774 GL	143
Mineral Coal	816 GL	101
Mississippian	1122 GL	-205

CASING RECORD <input 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	# Sacks Used	Type and Percent Additives
Surface	11"	8.625"	24	21'	Class A	4	Type 1 cement
Casing	6.75"	4.5"	10.5	1208'	Thick Set	125	8 lbs KOL seal

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

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TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumerd Production, SWD or Enhr.	Producing Method
Pending	<input type="checkbox"/> Flowing <input 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				

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 \_\_\_\_\_

# Layne Energy, Inc.

1900 Shawnee Mission Parkway, Mission Woods, Kansas 66205 Phone: (913) 748-3987 Fax: (913) 748-3950

May 4, 2009

Mr. Steve Bond  
Kansas Corporation Commission  
Oil & Gas Conservation Division  
130 S. Market, Room 2078  
Wichita, KS 67202

Re: Well Completion ~~Form~~ **CONFIDENTIAL**

Dear Mr. Bond: **MAY 04 2009**


I have enclosed the ACO-1 <sup>KCC</sup> form and associated data for the following well:

API # 15-125-31780-00-00  
Harrison 13-8

We respectfully request that all information submitted be kept confidential. Per provision E-4 of K.A. R. 82-3-107, we request that the term of the confidentiality be extended by one year.

If you need additional information, please contact me at (913) 748-3960.

Sincerely,



MacLaughlin Darling  
Engineering Technician

Enclosures

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# GEOLOGIC REPORT

LAYNE ENERGY  
Harrison 13-8  
SW , 467 FSL, 431 FWL  
Section 08-T31S-R17E  
Montgomery County, KS

Spud Date: 1/22/2009  
Drilling Completed: 1/26/2009  
Logged: 1/26/2009  
A.P.I. #: 15125317800000  
Ground Elevation: 917  
Depth Driller: 1,211  
Depth Logger: 1,209  
Surface Casing: 8.625 inches at 21'  
Production Casing: 4.5 inches at 1,208'  
Cemented Job:  
Open Hole Logs: High Resolution Compensated Density Sidewall  
Neutron Log; Dual Induction LL3/GR Log

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## Formation

Formation	Tops	
	(below ground)	(subsea)
	Surface (Iola	
Kansas City Group	Limestone)	917
Pawnee Limestone	601	316
Excello Shale	717	200
"V" Shale	774	143
Mineral Coal	816	101
Mississippian	1,122	-205

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# Daily Well Work Report

HARRISON 13-8

1/22/2009

**Well Location:**  
MONTGOMERY KS  
31S-17E-8 SW SW  
467FSL / 431FWL

**Cost Center** C01029400100  
**Lease Number** C010294  
**Property Code** COLT-0125  
**API Number** 15-125-31780

Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnetiD
1/22/2009	1/26/2009				

TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1211	1208	21	1208		

<b>Reported By</b> KRD	<b>Rig Number</b>	<b>Date</b> 1/22/2009
<b>Taken By</b> KRD		<b>Down Time</b>
<b>Present Operation</b> DRILL OUT SURFACE		<b>Contractor</b> THORNTON DRILLING

## Narrative

MIRU THORNTON 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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**CONSOLIDATED**  
Oil Well Services, LLC

**ENTERED**

TICKET NUMBER 20811  
LOCATION Eureka  
FOREMAN Russell McCoy

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
1-26-09	4758	Harrison 13-B				Mc
CUSTOMER			TRUCK #			
Layne Energy			DRIVER			
MAILING ADDRESS			TRUCK#			
P.O. Box 160			DRIVER			
CITY						
SYCAMORE						
STATE		ZIP CODE				
KS						

Gus Jones

JOB TYPE Longstring HOLE SIZE 6 3/4 HOLE DEPTH 1211 CASING SIZE & WEIGHT 4 1/2 10.5  
CASING DEPTH 1208 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
SLURRY WEIGHT 13.4 SLURRY VOL 39 Bbl WATER gal/sk 8.0 CEMENT LEFT in CASING 0  
DISPLACEMENT 19 1/4 DISPLACEMENT PSI 450 MBPBI Bump Plug 1000 RATE 3 BPM Displacement

REMARKS: Safety meeting casing set at 1208 w/ weld on collar. Rig up to 4 1/2 casing wash down three ft' fill w/ 50 Bbl water. Pump 10 SKs Gel w/ Hull's / 2 Bbl water spacer. Mix 125 SKs T-S cement w/ B<sup>n</sup> Kalsol per/sk 1/8" Phenoxoni 1/2 % BFL-110 1/4 % CAF-3B at 13.4 # per/gallon WASH OUT Pump + lines, Release 4 1/2 Top Rubber Plug Displace w/ 19 1/4 Bbl water. Final Pump PSF 450" Bump Plug to 1000" check float After cement float held 7 Bbl cement slurry to pit. Job complete.

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MAY 04 2009 Thank you! Russell McCoy

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
540	1	PUMP CHARGE KANSAS CORPORATION COMMISSION	870.00	870.00
540b	40	MILEAGE	3.45	138.00
MAY 05 2009				
1126	125 SKs		16.00	2,000.00
1110 A	1000 "		.39	390.00
1107 A	15 "	Phenoxoni	1.08	16.20
1135	60 "	BFL-110 1/2 % (Fluid loss)	7.05	423.00
1146	30 "	CAF-3B 1/4 (De Foamer)	7.25	217.50
1118 A	500 "	Gel Flush	.16	80.00
1105	50 "	Hull's	.37	18.50
5407A	6-87 Ton	Ton Mileage Bulk TK X 40	1.16	318.77
4404	1	4 1/2 Top Rubber Plug	43.00	43.00
5105 A	4 hr	Welder	85.00	340.00
4311	1	4 1/2 Weld on collar	70.00	70.00
				4,924.97
				2.3 %
				SALES TAX
				102.69
				ESTIMATED
				TOTAL
				5097.66

Rev'n 3737

208594

AUTHORIZATION called by Mike Taylor TITLE col Rep DATE 1-26-09

5097.66