

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

Operator: License # 33365  
Name: Layne Energy Operating, LLC  
Address: 1900 Shawnee Mission Parkway  
City/State/Zip: Mission Woods, KS 66205

KCC

NOV 30 2006

Purchaser: \_\_\_\_\_  
Operator Contact Person: M. B. Natrass  
Phone: ( 913 ) 748-3987

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Contractor: Name: MOKAT  
License: 5831

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Wellsite Geologist: \_\_\_\_\_

DEC 04 2006

Designate Type of Completion:

New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

CONSERVATION DIVISION  
WICHITA, KS

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. \_\_\_\_\_

8/4/2006 8/8/2006 10/19/2006  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 125-31138 -00-00

County: Montgomery

\_\_\_\_ SW - SW Sec. 19 Twp. 32 S. R. 17  East  West

659 feet from  N (circle one) Line of Section

659 feet from E /  W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SW

Lease Name: Heins Well #: 13-19

Field Name: Cherokee Basin Coal Area

Producing Formation: Cherokee Coals

Elevation: Ground: 770 Kelly Bushing: \_\_\_\_\_

Total Depth: 1105 Plug Back Total Depth: 1097

Amount of Surface Pipe Set and Cemented at 20' Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from 1097

feet depth to Surface w/ 110 sx cmt.

Drilling Fluid Management Plan AH II NH 8-14-08  
(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: Agent Date: 11/30/06

Subscribed and sworn to before me this 30 day of November

Notary Public: [Signature]

Date Commission Expires: 12/28/09

**KCC Office Use ONLY**

Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_

Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

NOTARY PUBLIC - State Of Kansas  
BROOKE C. MAXFIELD  
My Appt. Exp. 12/28/09

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**NOV 30 2006**

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**Operator Name:** Layne Energy Operating, LLC.  
**Lease Name:** Heins 13-19  
Sec. 19 Twp. 32S Rng. 17E, Montgomery County  
**API:** 15-125-31138

<b>Shots per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	<b>Depth</b>
4	939-940.5, 772-773.5	Rowe, Weir - 2400# 20/40 sand, 250 bbls wtr, 300 gal 15% HCl acid	772-940.5
4	688-690, 644-647, 620-622	Mineral, Croweburg, Bevier - 6800# 20/40 sand, 700 bbls wtr, 700 gal 15% HCl acid	620-690
4	590-595, 563.5-567, 489-490.5	Mulky, Summit, Lexington - 7900# 20/40 sand, 565 bbls wtr, 1000 gal 15% HCl acid	489-595

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**DEC 04 2006**

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**WICHITA, KS**

Operator Name: Layne Energy Operating, LLC Lease Name: Heins Well #: 13-19  
 Sec. 19 Twp. 32 S. R. 17  East  West County: Montgomery

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**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)

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Pawnee Lime	453 GL	317
Excello Shale	591 GL	179
V Shale	645 GL	125
Mineral Coal	688 GL	82
Mississippian	1008 GL	-238

List All E. Logs Run:  
 Compensated Density Neutron  
 Dual Induction

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**WICHITA, KS**

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	8.65	24	20'	Class A	4	Type 1 cement
Casing	6.75	4.5	10.5	1097'	Thick Set	110	

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		

TUBING RECORD Size 2 3/8" Set At 1395' Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First, Resumerd Production, SWD or Enhr. SI - Waiting on pipeline Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours Oil Bbls. Gas 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) \_\_\_\_\_



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

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NOV 30 2006

TREATMENT REPORT & FIELD TICKET

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TICKET NUMBER 10497  
 LOCATION EUREKA  
 FOREMAN Kevin McCoy

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-9-06	4758	<del>1100</del>				MG
CUSTOMER		Layne Energy Gus Jones Rig 1	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			445	RICK		
P.O. Box 160			441	John		
CITY						
Sycamore	STATE	ZIP CODE				
	Ks					

JOB TYPE Long string HOLE SIZE 6 3/4 HOLE DEPTH 1105 CASING SIZE & WEIGHT 4 1/2 10.5 \* new  
 CASING DEPTH 1097 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.2 \* SLURRY VOL 34 BBL WATER gal/sk 8.0 CEMENT LEFT in CASING 0  
 DISPLACEMENT 17.4 BBL DISPLACEMENT PSI 500 MAX PSI 1000 Bump Plug RATE \_\_\_\_\_

REMARKS: Safety Meeting: Rig up to 4 1/2 casing. Break Circulation w/ 20 BBL Fresh water. Pump 4 sks Gel Flush, 5 BBL water spacer, 10 BBL Metasilicate Pre Flush, 9 BBL Dye water. Mixed 110 sks Thick Set Cement w/ 10 \* Kol-Seal Pcc/sk @ 13.2 \* per gal, yield 1.75. Wash out Pump & Lines. Shut down. Release Plug. Displace w/ 17.4 BBL Fresh water. FINAL Pumping Pressure 500 psi. Bump Plug to 1000 psi. wait 2 minutes. Release Pressure. Float Hold. Good Cement Returns to Surface = 8 BBL Slurry. Job Complete. Rig down.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	800.00	800.00
5406	0	MILEAGE <u>2<sup>nd</sup> well of 2</u>	0	0
1126 A	110 sks	THICK Set Cement	14.65	1611.50
1110 A	1100 *	KOL-SEAL 10 * Pcc/sk	.36 *	396.00
1118 A	200 *	Gel Flush	.14 *	28.00
1111 A	50 *	Metasilicate Pre Flush	1.65 *	82.50
5407 A	6.05 TONS	40 miles BULK TRUCK	1.05	254.10
4404	1 RECEIVED	4 1/2 Top Rubber Plug	40.00	40.00
	KANSAS CORPORATION COMMISSION			
	DEC 04 2006			
	CONSERVATION DIVISION			
	WICHITA, KS			
		THANK YOU	5.3%	
			SALES TAX	114.31
			ESTIMATED TOTAL	3326.41

AUTHORIZATION Called By John Ed TITLE \_\_\_\_\_ DATE \_\_\_\_\_

**GEOLOGIC REPORT**

LAYNE ENERGY  
Heins 13-19  
SW SW, 659 FSL, 659 FWL  
Section 19-T32S-R17E  
Montgomery County, KS

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Spud Date: 8/4/2006  
Drilling Completed: 8/8/2006  
Logged: 8/8/2006  
A.P.I. #: 1512531138  
Ground Elevation: 770'  
Depth Driller: 1105'  
Depth Logger: 1106'  
Surface Casing: 8.625 inches at 20'  
Production Casing: 4.5 inches at 1097.2'  
Cemented Job: Consolidated  
Open Hole Logs: Dual Induction SFL/GR, High Resolution  
Compensated Density/Neutron

<b>Formation</b>	<b>Tops (in feet below ground level)</b>
Quaternary	Surface (Alluvium)
Pawnee Limestone	453
Excello Shale	591
"V" Shale	645
Mineral Coal	688
Mississippian	1,008

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WICHITA, KS

11/30/08

*Layne Energy, Inc.*

1900 Shawnee Mission Parkway, Mission Woods, Kansas 66205 Phone: (913) 748-3987 Fax: (913) 748-3970

November 30, 2006

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

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Re: Well Completion Form

To Whom It May Concern:

I have enclosed the ACO-1 form and associated data for the following wells:

API # 15-125-31138  
Heins 13-19

We respectfully request that all information submitted be kept confidential and 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 or have any questions or comments, please contact me at (913) 748-3987.

Best regards,



Brooke C. Maxfield

Enclosures

Cc Well File  
Field Office

