



Operator Name: Layne Energy Operating, LLC Lease Name: Hunzeker Well #: 4-10  
 Sec. 10 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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<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Pawnee Lime	484 GL	300
Excello Shale	656 GL	128
V Shale	706 GL	78
Mineral Coal	752 GL	32
Mississippian	1096 GL	-312

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	21'	Class A	4	Type 1 cement
Casing	6.75	4.5	10.5	1133'	Thick Set	120	

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
	SI-waiting on completion		

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. SI-waiting on pipeline		Producing Method <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

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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**JAN 24 2007**  
**CONSERVATION DIVISION**  
**WICHITA, KS**

## GEOLOGIC REPORT

LAYNE ENERGY  
Hunzeker 4-10  
NW NW, 1010 FNL, 660 FWL  
Section 10-T33S-R16E  
Montgomery County, KS

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Spud Date:	9/26/2006
Drilling Completed:	9/27/2006
Logged:	9/28/2006
A.P.I. #:	1512531116
Ground Elevation:	784'
Depth Driller:	1145'
Depth Logger:	1145'
Surface Casing:	8.625 inches at 21'
Production Casing:	4.5 inches at 1133'
Cemented Job:	Consolidated
Open Hole Logs:	Dual Induction SFL/GR, High Resolution. Compensated Density/Neutron

### Formation

Quaternary  
Pawnee Limestone  
Excello Shale  
"V" Shale  
Mineral Coal  
Mississippian

### Tops (in feet below ground level)

Surface (Terrace Deposits)  
484  
656  
706  
752  
1,096

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

**KCC**  
 JAN 23 2007  
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 CEMENT

TICKET NUMBER 10816  
 LOCATION EUREKA  
 FOREMAN RICK LEOPOLD

TREATMENT REPORT & FIELD TICKET

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-28-06	4758	<del>McMitten 7-10</del>				MG
CUSTOMER Layne Energy Hunzeker 4-10			Gus Jones			
MAILING ADDRESS P.O. Box 160						
CITY Sycamore	STATE KS	ZIP CODE	TRUCK #	DRIVER	TRUCK #	DRIVER
			463	AJAN		
			441	Jarrid		

JOB TYPE logstring HOLE SIZE 6 3/4" HOLE DEPTH 1143' CASING SIZE & WEIGHT 4 1/2" 10.5#  
 CASING DEPTH 1133' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.2# SLURRY VOL 37 bbl WATER gal/sk 8.0 CEMENT LEFT in CASING 0'  
 DISPLACEMENT 18 bbl DISPLACEMENT PSI 400 ~~PUMP~~ PSI 900 RATE \_\_\_\_\_

REMARKS: Safety meeting. Rig up to 4 1/2" casing. Break circulation w/ 25 bbl fresh water. Pump 4 sks gel-flush, 10 bbl fresh water spacer, 1 sk Metasilicate pre-flush, 9 bbl dye water. Mixed 120 sks thickset cement w/ 10# Kol-seal @ 13.2# @ 100 gal. Washout pump & lines. release plug. Displace w/ 18 bbl fresh water. Final pump pressure 400 PSI. Pump plug to 900 PSI, wait 2 mins, release pressure, float held. Good cement returns to surface = 8 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	800.00	800.00
5406	0	MILEAGE 2nd well of 2	0	0
1126A	120 sks	thickset cement	14.65	1758.00
1110A	1200 #	Kol-seal 10# @ 100 gal	.36	432.00
1118A	200 #	Gel-flush	.14	28.00
1111A	50 #	Metasilicate pre-flush	1.65	82.50
5407	6.6	Tan-mileage Bulx Tex	m/c	275.00
4404	1	4 1/2" top rubber plug	40.00	40.00
<b>RECEIVED</b> KANSAS CORPORATION COMMISSION JAN 24 2007 CONSERVATION DIVISION WICHITA, KS			subtotal	3415.50
			SALES TAX 5.3%	124.04
			ESTIMATED TOTAL	3539.54

2093024

AUTHORIZATION called by John Ed TITLE \_\_\_\_\_ DATE \_\_\_\_\_

1-23-09

*Layne Energy, Inc.*

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

January 23, 2007

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

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KANSAS CORPORATION COMMISSION  
JAN 24 2007  
CONSERVATION DIVISION  
WICHITA, KS

Re: Well Completion Form

To Whom It May Concern:

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

API # 15-125-31116  
Hunzeker 4-10

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) 748-3960.

Best regards,

  
Brooke C. Maxfield

Enclosures

Cc Well File  
Field Office



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KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**WELL COMPLETION FORM**  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

**ORIGINAL**

Form ACO-1  
September 1999  
Form Must Be Typed

**AMENDED**

1/23/09

Operator: License # 33365  
Name: Layne Energy Operating, LLC  
Address: 1900 Shawnee Mission Parkway  
City/State/Zip: Mission Woods, KS 66205  
Purchaser: \_\_\_\_\_  
Operator Contact Person: M. Brent Natrass  
Phone: ( 913 ) 748-3960  
Contractor: Name: McPherson Drilling  
License: 5675

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Wellsite Geologist: \_\_\_\_\_  
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>9/26/2006</u>	<u>9/27/2006</u>	<u>3/16/2007</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-31116-00-00  
County: Montgomery  
52 NW, NW Sec. 10 Twp. 33 S. R. 16  East  West  
1010 feet from S /  (circle one) Line of Section  
660 feet from E /  (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) \* NE SE NW SW  
Lease Name: Hunzeker Well #: 4-10  
Field Name: Brewster

Producing Formation: Cherokee Coals  
Elevation: Ground: 784' Kelly Bushing: \_\_\_\_\_  
Total Depth: 1145' Plug Back Total Depth: 1133'  
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 1133'  
feet depth to Surface w/ 120 sx cmt.

**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: MB Natrass  
Title: Agent Date: 7/9/07  
Subscribed and sworn to before me this 9 day of July  
20 07  
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  
 Geologist Report Received  
 UIC Distribution

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KANSAS CORPORATION COMMISSION

**JUL 10 2007**

CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Layne Energy Operating, LLC Lease Name: Hunzeker Well #: 4-10  
 Sec. 10 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 <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 style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Pawnee Lime</td> <td>484 GL</td> <td>300</td> </tr> <tr> <td>Excello Shale</td> <td>656 GL</td> <td>128</td> </tr> <tr> <td>V Shale</td> <td>706 GL</td> <td>78</td> </tr> <tr> <td>Mineral Coal</td> <td>752 GL</td> <td>32</td> </tr> <tr> <td>Mississippian</td> <td>1096 GL</td> <td>-312</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	484 GL	300	Excello Shale	656 GL	128	V Shale	706 GL	78	Mineral Coal	752 GL	32	Mississippian	1096 GL	-312
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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"	8.65"	24	21'	Class A	4	Type 1 cement
Casing	6.75"	4.5"	10.5	1133'	Thick Set	120	

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	Set At	Packer At	Liner Run
	2-3/8"	807'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.		Producing Method		
5/21/2007		<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	17	6	

Disposition of Gas	METHOD OF COMPLETION	Production Interval	<b>RECEIVED</b>
<input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input checked="" type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____		<b>KANSAS CORPORATION COMMISSION</b>

JUL 10 2007  
 CONSERVATION DIVISION  
 WICHITA, KS



<b>Operator Name:</b>	Layne Energy Operating, LLC.		
<b>Lease Name:</b>	Hunzeker 4-10		
	Sec. 10 Twp. 33S Rng. 16E, Montgomery County		
<b>API:</b>	15-125-31116-00-00		
<b>Shots per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	<b>Depth</b>
<b>Initial Perforations</b>			
4	Mineral 751.5' - 754' Croweburg 707' - 710'	8700 lbs 20/40 sand 671 bbls water 500 gals 15% HCl acid	707' - 754'
4	Iron Post 682.5' - 684.5' Mulky 656' - 661.5' Summit 625' - 631'	9400 lbs 20/40 sand 819 bbls water 850 gals 15% HCl acid	625' - 684.5'

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**JUL 10 2007**

**CONSERVATION DIVISION**  
**WICHITA, KS**

*Layne Energy, Inc.*

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

1/23/09

July 9, 2007

KCC  
JAN 23 2007  
CONFIDENTIAL

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

KCC  
CONFIDENTIAL

Re: Amended Well Completion Forms

To Whom It May Concern:

I have enclosed the **amended** ACO-1 form and associated data for the following well:

API # 15-125-31116-00-00  
Hunzeker 4-10

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*

MacLaughlin Darling  
Engineering Technician

Enclosures

cc: Well File  
Field Office



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KANSAS CORPORATION COMMISSION

JUL 10 2007

CONSERVATION DIVISION  
WICHITA, KS