

ORIGINAL

10/3/09

Form ACO-1  
September 1999  
Form Must Be Typed

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**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: M. Brent Natrass  
Phone: ( 913 ) 748-3960  
Contractor: Name: Thornton Air Rotary  
License: 33606

**CONFIDENTIAL**

OCT 03 2007

**KCC**

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

<u>6/8/2007</u>	<u>6/12/2007</u>	<u>Pending</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 049-22458-00-00

County: Elk

SE NE Sec. 33 Twp. 29 S. R. 12  East  West

1980 feet from S / **(N)** (circle one) Line of Section

660 feet from **(E)** W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) **(NE)** SE NW SW

Lease Name: Unruh Well #: 8-33

Field Name: Cherokee Basin Coal Area

Producing Formation: Cherokee Coals

Elevation: Ground: 1089' Kelly Bushing: \_\_\_\_\_

Total Depth: 1790' Plug Back Total Depth: 1744'

Amount of Surface Pipe Set and Cemented at 42 Feet

Multiple Stage Cementing Collar Used?  Yes  No

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

If Alternate II completion, cement circulated from 1744

feet depth to Surface w/ 180 sx cmt.

Drilling Fluid Management Plan ART II US 3-2309  
(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: 10/3/07

Subscribed and sworn to before me this 3 day of October

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

IUC Distribution

**RECEIVED**  
KANSAS CORPORATION COMMISSION

**OCT 04 2007**

**MACLAUGHLIN DARLING**  
Notary Public - State of Kansas  
My Appt. Expires 1-4-2009

CONSERVATION DIVISION  
WICHITA, KS

**CONFIDENTIAL**

**OCT 03 2007**

Operator Name: Layne Energy Operating, LLC Lease Name: Unruh Well #: 8-33  
 Sec. 33 Twp. 29 S. R. 12  East  West County: Elk **KCC**

**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>1366 GL</td> <td>-277</td> </tr> <tr> <td>Excello Shale</td> <td>1451 GL</td> <td>-362</td> </tr> <tr> <td>V Shale</td> <td>1525 GL</td> <td>-436</td> </tr> <tr> <td>Mississippian</td> <td>1751 GL</td> <td>-662</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	1366 GL	-277	Excello Shale	1451 GL	-362	V Shale	1525 GL	-436	Mississippian	1751 GL	-662
Name	Top	Datum														
Pawnee Lime	1366 GL	-277														
Excello Shale	1451 GL	-362														
V Shale	1525 GL	-436														
Mississippian	1751 GL	-662														

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	42'	Class A	10	Type 1 cement
Casing	6.75"	4.5"	10.5	1744'	Thick Set	180	#10 KOL seal @ sx

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

**RECEIVED**  
KANSAS CORPORATION COMMISSION

**OCT 04 2007**

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

TICKET NUMBER 17488  
 LOCATION Edgemo  
 FOREMAN Rick Leonard

TREATMENT REPORT & FIELD TICKET  
 CEMENT

15-049-22458

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-13-07	4758	URUN 8-33				EEK
CUSTOMER Layne Energy			CONTRACTUAL DRIVER			
MAILING ADDRESS P.O. Box 160						
CITY Sycamore	STATE KS	ZIP CODE	TRUCK #	DRIVER	DATE	
			463	Kyle	OCT 03 2007	
			515	Cabin		
			486	JEFF	KCC	

JOB TYPE loggings HOLE SIZE 6 3/4" HOLE DEPTH 1790' CASING SIZE & WEIGHT 4 1/2" 12.5"  
 CASING DEPTH 1744' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.2" SLURRY VOL 56 bbl WATER gal/sk 8.0 CEMENT LEFT IN CASING 0'  
 DISPLACEMENT 27 3/4 bbl DISPLACEMENT PSI 900 ~~1400~~ PSI 1400 RATE \_\_\_\_\_

REMARKS: Safety meeting. Rig up to 4 1/2" casing. Break circulation w/ 35 bbl fresh water. Pump 6 sks gel-flush, 20 bbl metasilicate pre-flush, 10 bbl water spacer, 17 bbl dye water. Mixed 180 sks thickset cement w/ 10" Kolsal #1 @ 13.2" w/bc. Washout pump + lines, shut down, release plug. Displace w/ 27 3/4 bbl fresh water. Final pump pressure 900 PSI. Pump plug to 1400 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	840.00	840.00
5406	40	MILEAGE	3.30	132.00
1126A	180 sks	thickset cement	15.11	2720.00
1110A	1800 "	Kolsal #1 @ 10" w/bc	3.33	5994.00
1119A	300 "	gelflush	1.50	450.00
1111A	50 "	metasilicate pre-flush	1.65	82.50
5407A	9.9	tan-mileage bulk trk	10.00	99.00
5502C	3 hrs	80 bbl vac. TRK	92.00	276.00
1123	3000 gals	city water	12.00	36.00
4404	1	4 1/2" top rubber plug	40.00	40.00
			6.33	5739.50
			SALES TAX	210.71
			ESTIMATED TOTAL	5570.21

AUTHORIZATION Called by Muzger

214067  
 TITLE Co. Rep.

RECEIVED  
 KANSAS CORPORATION COMMISSION

OCT 04 2007

CONSERVATION DIVISION

**GEOLOGIC REPORT**

LAYNE ENERGY  
Unruh 8-33  
SE NE, 1980 FNL, 660 FEL  
Section 33-T29S-R12E  
Elk County, KS

**CONFIDENTIAL**

**OCT 03 2007**

**KCC**

Spud Date: 6/8/2007  
Drilling Completed: 6/12/2007  
Logged: 6/12/2007  
A.P.I. #: 15049224580000  
Ground Elevation: 1089'  
Depth Driller: 1790'  
Depth Logger: 1785'  
Surface Casing: 8.625 inches at 42'  
Production Casing: 4.5 inches at 1744'  
Cemented Job: 0  
Open Hole Logs: Dual Induction SFL/GR, High Resolution  
Compensated Density/Neutron

**Formation**

	<b>Tops</b>	
	<b>(below ground)</b>	<b>(subsea)</b>
	Surface (Kanwaka	
Shawnee Group	Shale)	1,089
Pawnee Limestone	1,366	-277
Excello Shale	1,451	-362
"V" Shale	1,525	-436
Mineral Coal	0	1089
Mississippian	1,751	-662

RECEIVED  
KANSAS CORPORATION COMMISSION

**OCT 04 2007**

CONSERVATION DIVISION  
WICHITA, KS

CONFIDENTIAL

OCT 03 2007

KCC

# Daily Well Work Report

UNRUH 8-33

6/12/2007

**Well Location:**  
ELK KS  
29S-12E-33 SE NE  
1980FNL / 660FEL

**Cost Center** G01036100100  
**Lease Number** G010361  
**Property Code** KSEC29S12E3308  
**API Number** 15-049-22458

Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
6/8/2007	6/12/2007	7/26/2007		8/1/2007	UNRUH_8_33

TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1790	1744	43	1744	0	0

**Reported By** krd      **Rig Number**      **Date** 6/8/2007  
**Taken By** krd      **Down Time**  
**Present Operation** Drill out from under surface      **Contractor** Thornton

### Narrative

MIRU Thornton Drilling, drilled 11' hole, 42' deep, rih w/2jt 8-5/8" surface casing. Mixed 10 sxs type 1 cement, dumped dn the back side. SDFN. DWC: \$3,160

Tuesday, September 25, 2007

Page 6 of 7  
RECEIVED  
KANSAS CORPORATION COMMISSION

OCT 04 2007

CONSERVATION DIVISION  
WICHITA, KS