

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

6/26/10

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: _____

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: **CONFIDENTIAL**
Operator: _____ JUN 26 2008

Well Name: _____
Original Comp. Date: _____ Original Total Depth: KCC
 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>3/5/2008</u>	<u>3/6/2008</u>	<u>4/25/2008</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 205-27392-00-00
County: Wilson
SE SW SW Sec. 10 Twp. 30 S. R. 16 East West
388 feet from **(S)** / N (circle one) Line of Section
1031 feet from E / **(W)** (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW **(SW)**
Lease Name: Hare Well #: 13-10
Field Name: Cherokee Basin Coal Area

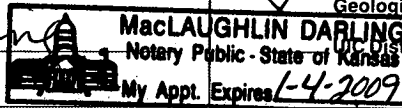
Producing Formation: Cherokee Coals
Elevation: Ground: 845' Kelly Bushing: _____
Total Depth: 1090' Plug Back Total Depth: 1088'
Amount of Surface Pipe Set and Cemented at 21 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 1088
feet depth to Surface w/ 155 sx cmt.

Drilling Fluid Management Plan AH II NS 7-10-09
(Data must be collected from the Reserve Pit)
Chloride content N/A ppm Fluid volume _____ bbis
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: 6-26-08
Subscribed and sworn to before me this 26 day of June,
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
 Geologist Report Received
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JUN 27 2008
CONSERVATION DIVISION
WICHITA, KS

Operator Name: Layne Energy Operating, LLC Lease Name: Hare Well #: 13-10
 Sec. 10 Twp. 30 S. R. 16 East West County: Wilson

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 checked="" type="checkbox"/> Yes <input 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>563 GL</td> <td>282</td> </tr> <tr> <td>Excello Shale</td> <td>683 GL</td> <td>162</td> </tr> <tr> <td>V-Shale</td> <td>748 GL</td> <td>97</td> </tr> <tr> <td>Mineral Coal</td> <td>786 GL</td> <td>59</td> </tr> <tr> <td>Mississippian</td> <td>1080 GL</td> <td>-235</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	563 GL	282	Excello Shale	683 GL	162	V-Shale	748 GL	97	Mineral Coal	786 GL	59	Mississippian	1080 GL	-235
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KCC 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"	8.625"	24	21'	Class A	4	Type 1 cement
Casing	6.75"	4.5"	10.5	1088'	Thick Set	155	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		

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TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	954'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumerd Production, SWD or Enhr.	Producing Method
Shut-In	<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	0	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

Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Hare 13-10		
	Sec. 10 Twp. 30S Rng. 16E, Wilson County		
API:	15-205-27392-00-00		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
Initial Perforations (April 2008)			
4	Riverton 1070.5' - 1072'	2400 lbs 20/40 sand 231 bbls water 350 gals 15% HCl acid	1070.5' - 1072'
4	Rowe 897.5' - 899'	2700 lbs 20/40 sand 175 bbls water 350 gals 15% HCl acid	897.5' - 899'
4	Mineral 785.5' - 786.5' Croweburg 748' - 750.5' Iron Post 728' - 729.5'	8400 lbs 20/40 sand 483 bbls water 500 gals 15% HCl acid	728' - 786.5'
4	Mulky 683.5' - 688'	4900 lbs 20/40 sand 451 bbls water 350 gals 15% HCl acid	683.5' - 688'

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Daily Well Work Report

HARE 13-10

3/6/2008

Well Location:

WILSON KS
30S-16E-10 SE SW SW
388FSL / 1031FWL

Cost Center

Lease Number
Property Code
API Number

C01035700100
C010357
KSCV30S16E1013
15-205-27392

Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
3/5/2008	3/6/2008	4/25/2008		5/1/2008	HARE_13_10

TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1090	1088.4	21	1088.4	0	0

Reported By KRD	Rig Number	Date 3/5/2008
Taken By KRD		Down Time
Present Operation DRILL OUT FROM UNDER SURFACE		Contractor THORNTON DRILLING

Narrative

MIRU THORNTON DRILLING, DRILLED 11" HOLE 21' DEEP, RIH W/1 JOINT 8-5/8" SURFACE CASING, MIXED 4 SX TYPE 1 CEMENT, DUMPED DOWN THE BACKSIDE. SDFN. DWC:\$2,880

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WICHITA, KS
Page 7 of 7

Tuesday, June 24, 2008

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

TICKET NUMBER 13630
 LOCATION EUREKA
 FOREMAN RICK LEDBETTER

TREATMENT REPORT & FIELD TICKET
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY																
3-7-08	4758	HARE 13-10				Wilson																
CUSTOMER <i>Layne Energy</i>			<table border="1"> <thead> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> </thead> <tbody> <tr> <td>463</td> <td>Kyle</td> <td></td> <td></td> </tr> <tr> <td>439</td> <td>John</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	463	Kyle			439	John						
TRUCK #	DRIVER	TRUCK #					DRIVER															
463	Kyle																					
439	John																					
MAILING ADDRESS <i>P.O. Box 160</i>																						
CITY <i>Sycamore</i>	STATE <i>KS</i>	ZIP CODE																				

JOB TYPE Leaky string HOLE SIZE 6 3/4" HOLE DEPTH 1090' CASING SIZE & WEIGHT 4 1/2" 16.5"
 CASING DEPTH 1088' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.9" SLURRY VOL 39 Bbl WATER gal/sk 6' CEMENT LEFT in CASING 0'
 DISPLACEMENT 17.3 Bbl DISPLACEMENT PSI 500 PSI 1000 RATE _____

REMARKS: *Safety meeting. Rig up to 4 1/2" casing. Break circulation w/ 25 Bbl fresh water. Pump to 505 gal-flush w/ hulls, 20 Bbl water spacer, 5 Bbl dye water. Mixed 155 SWS 50/50 Pacmix cement w/ 220 gal, 220 cucc, 4" Col-seal 10/12, 3" col-seal 10/12, 1/4" floack 10/12, 1/2" 20-110, 1/4" 20-38 @ 13.9" / gal. yield 1.40. Washout prep & loss. shut down. release plug. Displace w/ 17.3 Bbl fresh water. Final pump pressure 500 PSI. Bump plug to 1000 PSI. wait 2 minutes. release pressure, flush hole. Good cement returns to surface. 7 Bbl slurry to pit. Job complete. Rig down.*

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 JUN 26 '08 "THANK YOU"

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	155 SWS	50/50 Pacmix cement	9.30	1441.50
1118A	2100*	220 gal	.16	41.60
1102	260*	220 cucc	.70	182.00
1109A	620*	4" Col-seal 10/12	.40	248.00
1101	465*	3" col-seal 10/12	.35	162.75
1107	39*	1/4" floack 10/12	1.98	77.22
1135	65*	1/2" 20-110	7.15	464.75
1146	32*	1/4" 20-38	7.30	233.60
1118A	300*	gel-flush	.16	48.00
1105	50*	hulls	.37	18.50
5402A	6.5'	for-mileage bulk tr	1.14	296.76
4404	1	4 1/2" top rubber plug	42.00	42.00
			RECEIVED KANSAS CORPORATION COMMISSION	
			JUN 27 2008	
			CONSERVATION DIVISION WICHITA, KS	
			SALES TAX	186.47
			ESTIMATED TOTAL	4456.25

AUTHORIZATION *Sucob Malak*

200574

TITLE _____

DATE _____

GEOLOGIC REPORT

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JUN 26 2008
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LAYNE ENERGY
Hare 13-10
SW SW, 388 FSL, 1031 FWL
Section 10-T30S-R16E
Wilson County, KS

Spud Date: 3/5/2008
Drilling Completed: 3/6/2008
Logged: 3/6/2008
A.P.I. #: 15205273920000
Ground Elevation: 845'
Depth Driller: 1090'
Depth Logger: 1091'
Surface Casing: 8.625 inches at 21'
Production Casing: 4.5 inches at 1088.4'
Cemented Job: Consolidated
Open Hole Logs: Dual Induction SFL/GR, Litho Density /
Neutron Logs

Formation	Tops	
	(below ground)	(subsea)
	Surface (Chanute	
Kansas City Group	Shale)	845
Pawnee Limestone	563	282
Excello Shale	683	162
"V" Shale	748	97
Mineral Coal	786	59
Mississippian	1,080	-235

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