

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999

Form Must Be Typed

7/26/10

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: Timothy H. Wright
Phone: (913) 748-3960
Contractor: Name: McPherson Drilling
License: 5675
Wellsite Geologist: _____

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Exp., WEL, 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. _____

4/22/2008 4/23/2008 5/12/2008
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 205-27529-00-00
County: Wilson
SE SE Sec. 27 Twp. 30 S. R. 16 East West
611 feet from N (circle one) Line of Section
675 feet from W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Hare Well #: 16-27

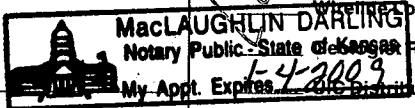
Field Name: Cherokee Basin Coal Area
Producing Formation: Cherokee Coals
Elevation: Ground: 781' Kelly Bushing: _____
Total Depth: 1007' Plug Back Total Depth: 1002'
Amount of Surface Pipe Set and Cemented at 21.5 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 1002
feet depth to Surface w/ 140 sx cmt.

Drilling Fluid Management Plan AH II NH 8-13-08
(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: _____
Title: Agent Date: 7-26-08
Subscribed and sworn to before me this 21 day of July,
2008.
Notary Public: Mac Laughlin Darling
Date Commission Expires: 1-4-2009



KCC Office Use ONLY
 Letter of Confidentiality Attached
If Denied, Yes Date: _____
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WICHITA, KS

Operator Name: Layne Energy Operating, LLC Lease Name: Hare Well #: 16-27
 Sec. 27 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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Pawnee Lime	469 GL	312
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Excello Shale	594 GL	187
List All E. Logs Run:		V-Shale	649 GL	132
Compensated Density Neutron		Mineral Coal	684 GL	98
Dual Induction		Mississippian	995 GL	-214

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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	# Sacs Used	Type and Percent Additives
Surface	11"	8.625"	24	21.5'	Class A	4	Type 1 cement
Casing	6.75"	4.5"	10.5	1002'	Thick Set	140	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"	892'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumerd Production, SWD or Enh.	Producing Method
5/15/2008	<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	30	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 16-27		
	Sec. 27 Twp. 30S Rng. 16E, Wilson County		
API:	15-205-27529-00-00		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
Initial Perforations (May 2008)			
4	Bluejacket 812' - 814'	3200 lbs 20/40 sand 344 bbls water 600 gals 15% HCl acid	812' - 814'
4	Mineral 683.5' - 684.5' Croweburg 649' - 651' Bevier 628' - 629.5'	4500 lbs 20/40 sand 574 bbls water 1000 gals 15% HCl acid	628' - 684.5'
4	Mulky 594.5' - 599'	6400 lbs 20/40 sand 442 bbls water 600 gals 15% HCl acid	594.5' - 599'

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GEOLOGIC REPORT

LAYNE ENERGY
Hare 16-27
SE SE, 611 FSL, 675 FEL
Section 27-T30S-R16E
Wilson County, KS

Spud Date: 4/22/2008
Drilling Completed: 4/23/2008
Logged: 4/23/2008
A.P.I. #: 15205275290000
Ground Elevation: 781'
Depth Driller: 1007'
Depth Logger: 1007'
Surface Casing: 8.625 inches at 21.5'
Production Casing: 4.5 inches at 1001.8'
Cemented Job: 0
Open Hole Logs: Dual Induction SFL/GR, Litho Density /
Neutron Logs

Formation	Tops	
	(below ground)	(subsea)
Quaternary	Surface (Alluvium)	781
Pawnee Limestone	469	312
Excello Shale	594	187
"V" Shale	649	132
Mineral Coal	684	98
Mississippian	995	-214

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

llc

TICKET NUMBER 13920
LOCATION Eureka
FOREMAN Troy Strickler

TREATMENT REPORT & FIELD TICKET
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-24-08	4758	Hare 16-27				Wilson
CUSTOMER			Gus Jones			
Layne Energy						
MAILING ADDRESS						
P.O. Box 160						
CITY		STATE	ZIP CODE			
Sycamore		Ks				
TRUCK #	DRIVER	TRUCK #	DRIVER			
520	CJ:PF					
479	John S					

JOB TYPE Longstring HOLE SIZE 6 3/4" HOLE DEPTH 1007' CASING SIZE & WEIGHT 4 1/2" 10.5"
CASING DEPTH 1003' DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT 13.9# SLURRY VOL 3580 WATER gal/sk 6' CEMENT LEFT in CASING 0'
DISPLACEMENT 168bl DISPLACEMENT PSI 500 MIX PSI 1000 supply RATE _____

REMARKS: Safety Meeting: Rig up to 4 1/2" casing. Wash down to T.D. 1007'. Weld collar on. Rig up to cement. Pump locks Gel-Flk w/ Halls. SBL water spacer, SBL dye water. Mixed 140sk 50/50 Poz-mix Cement w/ 2% Gel, 2% Cacl₂, 4# Kol-Seal, 3# Cal-Seal, 1/2" Flocele 10ft, 1/2% FL-110, + 1/2% CAF-38 @ 13.9# P/L. Wash out Pump + lines. Release Aug. Displace w/ 168bl Water. Final Pumping Pressure 500 PSI. Bump Plug to 1000 PSI. Wait 2mins. Release Pressure. Float Hold Good Cement to surface = 68bl Skup to Pit.
Job Complete.

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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	140sk	50/50 Pozmix Cement	9.30	1302.00
1118A	235#	Gel 2%	.16#	37.60
1102	235#	Cacl ₂ 2%	.70#	164.50
1110A	560#	Kol-Seal 4# P/L	.40#	224.00
1101	420#	Cal-Seal 3# P/L	.35#	147.00
1107	18#	Flocele 1/2" P/L	1.98#	35.64
1135	58#	FL-110 1/2%	7.15#	414.70
1146	29#	CAF-38 1/4%	7.30#	211.70
1118A	300#	Gel-Flk	.16#	48.00
1105	50#	Halls	.37#	18.50
5407	5.8 Tons	Ton Mileage	m/c	300.00
4404	1	4 1/2" Top Rubber Plug	42.00	42.00
5605A	4hs	Welder	85.00	340.00
Thank You!			Sub Total	4298.64
			6.3% SALES TAX	166.69
			ESTIMATED TOTAL	4465.33

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AUTHORIZATION witnessed by Jacob

TITLE Co-Rep

DATE _____

4465.33

Daily Well Work Report

HARE 16-27
4/23/2008

Well Location:
WILSON KS
30S-16E-27 SE SE
611FSL / 675FEL

Cost Center C01027100100
Lease Number C010271
Property Code KSCV30S16E2716
API Number 15-205-27529

Spud Date 4/22/2008
RDMO Date 4/23/2008
First Compl 5/12/2008
First Prod 5/15/2008
EFM Install 5/15/2008
CygnnetID HARE_16_27

TD 1007
PBTD 1001.8
Sf Csg Depth 21.5
Pr Csg Depth 1001.8
Tbg Size 0
Csg Size 0

Reported By KRD
Rig Number
Date 4/22/2008
Taken By KRD
Down Time
Present Operation DRILL OUT SURFACE
Contractor MCPHERSON

Narrative

MIRU MCPHERSON, DRILLED 11" HOLE, 21.5' 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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