

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

12/03/08

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
Purchaser: _____
Operator Contact Person: Timothy H. Wright
Phone: (913) 748-3960
Contractor: Name: Thornton Air Rotary
License: 33606 **DEC 03 2008**

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. _____
8/18/2008 8/21/2008 9/16/2008
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 019-26923-00-00
County: Chautauqua
_____ SW SE Sec. 4 Twp. 32 S. R. 13 East West
748 feet from N (circle one) Line of Section
1881 feet from W (circle one) Line of Section

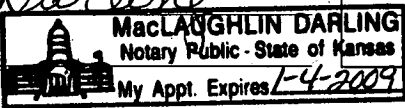
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Hoyt Well #: 15-4
Field Name: Cherokee Basin Coal Area
Producing Formation: Cherokee Coals
Elevation: Ground: 867' Kelly Bushing: _____
Total Depth: 1505' Plug Back Total Depth: 1502'
Amount of Surface Pipe Set and Cemented at 44 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 1502
feet depth to Surface w/ 210 sx cmt.

Drilling Fluid Management Plan ATTN: 22409
(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 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: Project Engineer Date: 12/3/08
Subscribed and sworn to before me this 3 day of December,
2008.
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
KANSAS CORPORATION COMMISSION
RECEIVED
DEC 04 2008
UIC Distribution

CONSERVATION DIVISION
WICHITA, KS

Operator Name: Layne Energy Operating, LLC Lease Name: Hoyt Well #: 15-4
 Sec. 4 Twp. 32 S. R. 13 East West County: Chautauqua

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>1021 GL</td> <td>-154</td> </tr> <tr> <td>Excello Shale</td> <td>1143 GL</td> <td>-276</td> </tr> <tr> <td>V-Shale</td> <td>1198 GL</td> <td>-331</td> </tr> <tr> <td>Mississippian</td> <td>1472 GL</td> <td>-605</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	1021 GL	-154	Excello Shale	1143 GL	-276	V-Shale	1198 GL	-331	Mississippian	1472 GL	-605
Name	Top	Datum														
Pawnee Lime	1021 GL	-154														
Excello Shale	1143 GL	-276														
V-Shale	1198 GL	-331														
Mississippian	1472 GL	-605														

CONFIDENTIAL

DEC 08 2008

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	# Sacjs Used	Type and Percent Additives
Surface	11"	8.625"	24	44'	Class A	8	Type 1 cement
Casing	6.75"	4.5"	10.5	1502'	Thick Set	210	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 <i>(Amount and Kind of Material Used)</i>
	See Attached Page	

RECEIVED

KANSAS CORPORATION COMMISSION

DEC 04 2008

CONSERVATION DIVISION
WICHITA, KS

TUBING RECORD	Size <u>2-3/8"</u>	Set At <u>1279'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <u>9/23/2008</u>		Producing Method <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. <u>0</u>	Gas Mcf <u>10</u>	Water Bbls. <u>0</u>	Gas-Oil Ratio

Disposition of Gas	METHOD OF COMPLETION	Production Interval
<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) _____	

Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Hoyt 15-4		
	Sec. 4 Twp. 32S Rng. 13E, Chautauqua County		
API:	15-019-26923-00-00		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
Initial Perforations (September 2008)			
4	Croweburg 1199' - 1201.5' Bevier 1179.5' - 1181'	6400 lbs 20/40 sand 344 bbls water 400 gals 15% HCl acid	1179.5' - 1201.5'
4	Mulky 1143.5' - 1147' Summit 1126.5' - 1129'	8000 lbs 20/40 sand 490 bbls water 700 gals 15% HCl acid	1126.5' - 1147'

CONFIDENTIAL

DEC 03 2008

KCC

RECEIVED
KANSAS CORPORATION COMMISSION

DEC 04 2008

CONSERVATION DIVISION
WICHITA, KS

CONFIDENTIAL

DEC 08 2008

KCC

GEOLOGIC REPORT

LAYNE ENERGY
Hoyt 15-4
SW SE, 748 FSL, 1881 FEL
Section 4-T32S-R13E
Chautauqua County, KS

Spud Date: 8/18/2008
Drilling Completed: 8/21/2008
Logged: 8/20/2008
A.P.I. #: 15019269230000
Ground Elevation: 867'
Depth Driller: 1505'
Depth Logger: 1505'
Surface Casing: 8.625 inches at 44'
Production Casing: 4.5 inches at 1502'
Cemented Job: Consolidated
Open Hole Logs: Dual Induction SFL/GR, Litho Density /
Neutron Logs

Formation	Tops	
	(below ground)	(subsea)
Quaternary	Surface (Alluvium)	867
Pawnee Limestone	1,021	-154
Excello Shale	1,143	-276
"V" Shale	1,198	-331
Mineral Coal		
Mississippian	1,472	-605

RECEIVED
KANSAS CORPORATION COMMISSION

DEC 04 2008

CONSERVATION DIVISION
WICHITA, KS

Daily Well Work Report

HOYT 15-4
8/18/2008

CONFIDENTIAL

DEC 03 2008

KCC

Well Location:
CHAUTAUQUA KS
32S-13E-4 SW SE
748FSL / 1881FEL

Cost Center G01049500100
Lease Number G010495
Property Code KSLE32S13E0415
API Number 15-019-26923

Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
8/18/2008	8/20/2008	9/16/2008	9/23/2008	9/22/2008	HOYT_15_4

TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1505	1502	44	1502	0	0

Reported By KRD	Rig Number	Date 8/18/2008
Taken By KRD		Down Time
Present Operation DRILL OUT SURFACE		Contractor THORNTON

Narrative

MIRU THORNTON DRILLING, DRILLED 11" HOLE, 44' DEEP, RIH W/2 JT 8 5/8" SURFACE CASING, MIXED 8 SX TYPE 1 CEMENT, DUMPED DOWN THE BACKSIDE. SDFN.
DWC:\$3160

RECEIVED
KANSAS CORPORATION COMMISSION

DEC 04 2008

CONSERVATION DIVISION
WICHITA, KS



CONSOLIDATED
Oil Well Services, LLC



ENTERED

TICKET NUMBER 19228

LOCATION EUREKA

FOREMAN Rex Ledford

PO Box 884; Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
8-21-08	4758	Hoyt 15-4				Chaut.	
CUSTOMER <u>Layne Energy</u>			Gus Janos				
MAILING ADDRESS <u>P.O. Box 140</u>							
CITY <u>Sycamore</u>		STATE <u>KS</u>	ZIP CODE	TRUCK #	DRIVER	TRUCK #	DRIVER
				<u>463</u>	<u>Shannon</u>		
				<u>479</u>	<u>John</u>		

JOB TYPE logstring HOLE SIZE 6 3/4" HOLE DEPTH 1505' CASING SIZE & WEIGHT 4 1/2" 10.5"
 CASING DEPTH 1500' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 139 # SLURRY VOL 52 (bb) WATER gal/sk 6 CEMENT LEFT in CASING 0
 DISPLACEMENT 23.9 (bb) DISPLACEMENT PSI 800 ~~400~~ PSI 1200 RATE _____

REMARKS: Safety meeting. Rig up to 4 1/2" casing. Arrax circulation w/ 60 (bb) fresh water. Pump 6 sks gel-flush w/ hulls, 5 (bb) water spacer. Mixed 210 sks 50/50 Premix cement w/ 270 cccc, 270 gal, 4" Kol-seal, 3" cal-seal, 1/2" phenaseal, 1/2" FL-110 + 1/4" CAF-38 @ 139 # PPM. yield 1.10. Washout pump + lines. Shut down. release plug. Displace w/ 23.9 (bb) fresh water. Final pump pressure 800 PSI. Bump plug to 1200 PSI. wait 2 minutes. release pressure, float held. Good cement returns to surface = 8 (bb) 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	925.00	925.00
5406	40	MILEAGE	3.65	146.00
1124	210 sks	50/50 Premix cement CONFIDENTIAL	9.25	2047.50
1102	350 #	270 cccc	.75	262.50
1118A	350 #	270 gal	.17	59.50
1110A	840 #	4" Kol-seal #1/2	.42	352.80
1101	630 #	3" cal-seal #1/2	.36	226.80
1107A	26 #	1/2" phenaseal #1/2	1.15	29.90
1135	105 #	1/2" FL-110	7.50	787.50
1146	53 #	1/4" CAF-38	7.70	408.10
1118A	300 #	gel-flush	.17	51.00
1105	50 #	hulls	.39	19.50
5407A	8.82	tan-mileage bulk TX	1.22	423.36
4404	1	4 1/2" top rubber plug	45.00	45.00
5605A	4 hrs	welder	85.00	340.00
			Subtotal	6124.46
			SALES TAX <u>6.37%</u>	270.28
			ESTIMATED TOTAL	6394.74

Rev'n 3737

204956

AUTHORIZATION _____

TITLE _____

DATE _____

RECEIVED
KANSAS CORPORATION COMMISSION
DEC 04 2008
CONSERVATION DIVISION
WICHITA, KS