

CONFIDENTIAL

ORIGINAL 12/19/10

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

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: MoKat
License: 5831

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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. _____

9/10/2008 9/12/2008 Pending
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 205-27662-00-00
County: Wilson
NE NE NE Sec. 4 Twp. 30 S. R. 16 East West
377 feet from S / N (circle one) Line of Section
740 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 #: 1-4

Field Name: Cherokee Basin Coal Area
Producing Formation: Cherokee Coals
Elevation: Ground: 854' Kelly Bushing: _____
Total Depth: 1139' Plug Back Total Depth: 1132'
Amount of Surface Pipe Set and Cemented at 22 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 1132
feet depth to Surface w/ 160 sx cmt.

Drilling Fluid Management Plan AA IINJ 3309
(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: Project Engineer Date: 12/18/08
Subscribed and sworn to before me this 18 day of December
2008
Notary Public: MacLaughlin Darling
Date Commission Expires: 1-4-2009

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

KCC Office Use ONLY

Letter of Confidentiality Attached
 If Denied, Yes Date: _____
 Wireline Log Received RECEIVED
 Geologist Report Received KANSAS CORPORATION COMMISSION
DEC 22 2008
NIC Distribution
CONSERVATION DIVISION
WICHITA, KS

Operator Name: Layne Energy Operating, LLC Lease Name: Hare Well #: 1-4
 Sec. 4 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 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>529 GL</td> <td>325</td> </tr> <tr> <td>Excello Shale</td> <td>649 GL</td> <td>205</td> </tr> <tr> <td>V-Shale</td> <td>720 GL</td> <td>134</td> </tr> <tr> <td>Mineral Coal</td> <td>757 GL</td> <td>98</td> </tr> <tr> <td>Mississippian</td> <td>1068 GL</td> <td>-214</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	529 GL	325	Excello Shale	649 GL	205	V-Shale	720 GL	134	Mineral Coal	757 GL	98	Mississippian	1068 GL	-214
Name	Top	Datum																	
Pawnee Lime	529 GL	325																	
Excello Shale	649 GL	205																	
V-Shale	720 GL	134																	
Mineral Coal	757 GL	98																	
Mississippian	1068 GL	-214																	

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	22'	Class A	4	Type 1 cement
Casing	6.75"	4.5"	10.5	1132'	Thick Set	160	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>	Depth		
	Pending	RECEIVED KANSAS CORPORATION COMMISSION DEC 22 2008 CONFIDENTIAL CONSERVATION DIVISION WICHITA, KS DEC 19 2008			
TUBING RECORD	Size	Set At	Packer At	Liner Run	
				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No KCC	
Date of First, Resumerd Production, SWD or Enhr.		Producing Method			
Pending		<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		

Disposition of Gas METHOD OF COMPLETION Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
(If vented, Submit ACO-18.) Other (Specify) _____

Daily Well Work Report

HARE 1-4
9/12/2008

Well Location:
WILSON KS
30S-16E-4 N2 NE NE
377FNL / 740FEL

Cost Center C01026800100
Lease Number C010268
Property Code KSVC30S16E0401
API Number 15-205-27662

Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
9/10/2008	9/12/2008				

TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1139	1132	22	1132	0	0

Reported By KRD	Rig Number	Date 9/10/2008
Taken By KRD		Down Time
Present Operation DRILL OUT SURFACE		Contractor MOKAT

Narrative

MIRU MOKAT DRILLING, DRILLED 11" HOLE, 22' 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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KCC

Tuesday, December 09, 2008

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CONSOLIDATED
Oil Well Services, LLC



ENTER

TICKET NUMBER 19375
LOCATION EUREKA
FOREMAN Kevin McCoy

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
9-16-08	4758	Hare 1-4				Wilson
CUSTOMER Layne Energy			Gus Jones Rig 1			
MAILING ADDRESS P.O. Box 160						
CITY Sycamore	STATE KS	ZIP CODE	TRUCK #	DRIVER	TRUCK #	DRIVER
			445	Justin		
			502	Phillip		

JOB TYPE Longstring HOLE SIZE 6 3/4 HOLE DEPTH 1139' CASING SIZE & WEIGHT 4 1/2 10.5" New
CASING DEPTH 1136' DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT 13.9* SLURRY VOL 40 BBL WATER gal/sk 6' CEMENT LEFT in CASING 0'
DISPLACEMENT 18.0 BBL DISPLACEMENT PSI 600 PSI 1100 Bump Plug RATE _____

REMARKS: Safety Meeting: Rig up to 4 1/2 casing w/ wash head. Break circulation w/ 25 BBL fresh water. Wash down 35' casing. Pump 6 sks Gel flush w/ Halls. Brought Gel to surface. Shut down wait on weider to weld on collar. Rig up Cement Head. Mixed 160 sks 50/50 Pozmix Cement w/ 2% CaCl2, 2% Gel, 4" Kol-Seal, 3" Cal-Seal, 1/8" Pheno-Seal, 1/4% CFL-110, 1/4% CAF-38 @ 13.9*/gal, yield 1.40. Wash out Pump & Lines. Shut down. Release Plug. Displace w/ 18 BBL fresh water. Final pumping pressure 600 psi. Bump Plug to 1100 psi. wait 2 minutes. Release pressure. Float Held. Good Cement Returns to Surface = 4 BBL slurry (165 sks) to pit. Job Complete. Rig down.

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	160 sks	50/50 Pozmix Cement	9.75	1560.00
1102	270 *	CaCl2 2%	.75 *	202.50
1118 A	270 *	Gel 2%	.17 *	45.90
1110 A	640 *	Kol-Seal 4*/sk	.42 *	268.80
1101	480 *	Cal-Seal 3*/sk	.36 *	172.80
1107 A	20 *	PhenoSeal 1/8*/sk	1.15 *	23.00
1135	68 *	CFL-110 1/4%	7.50 *	510.00
1146	34 *	CAF-38 1/4%	7.70	261.80
1118 A	300 *	Gel Flush	.17 *	51.00
1105	50 *	Halls	.37 *	19.50
5407 A	6.72 Tons	40 miles BULK TRUCK	1.20	806.40
4404	1	4 1/2 Top Rubber Plug	45.00	45.00
4311	1	4 1/2 weld on collar	70.00	70.00
		THANK YOU	KCC	Sub Total 4623.86
			6.3%	SALES TAX 293.51
				ESTIMATED TOTAL 4917.37

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WICHITA, KS

DEC 19 2008

Ravin 3737

AUTHORIZATION Called By Mike Taylor

TITLE _____

DATE _____

GEOLOGIC REPORT

LAYNE ENERGY

Hare 1-4

NE NE, 377 FNL, 740 FEL

Section 4-T30S-R16E

Wilson County, KS

Spud Date: 9/10/2008
Drilling Completed: 9/12/2008
Logged: 9/15/2008
A.P.I. #: 15205276620000
Ground Elevation: 854'
Depth Driller: 1139'
Depth Logger: 1135'
Surface Casing: 8.625 inches at 22'
Production Casing: 4.5 inches at 1132'
Cemented Job: 0
Open Hole Logs: Dual Induction SFL/GR, Litho Density /
Neutron Logs

Formation

	Tops	
	(below ground)	(subsea)
	Surface (Bonner	
Kansas City Group	Springs Shale)	854
Pawnee Limestone	529	325
Excello Shale	649	205
"V" Shale	720	134
Mineral Coal	757	98
Mississippian	1,068	-214

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