

11/7/09

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

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

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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>8/3/2007</u>	<u>8/6/2007</u>	<u>Pending</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-31414-00-00
County: Montgomery
_____, SE, SW Sec. 20 Twp. 34 S. R. 16 East West
558 feet from (S) / N (circle one) Line of Section
1816 feet from E / (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW (SW)
Lease Name: Cotner Well #: 14-20
Field Name: Cherokee Basin Coal Area
Producing Formation: Cherokee Coals
Elevation: Ground: 838' Kelly Bushing: _____
Total Depth: 1305' Plug Back Total Depth: 1298'
Amount of Surface Pipe Set and Cemented at 20 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 1298
feet depth to Surface w/ 135 _____ sx cmt.

Drilling Fluid Management Plan AHINTJ 3-1809
(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: 11-7-07
Subscribed and sworn to before me this 7 day of November, 2007.
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

<input checked="" type="checkbox"/>	Letter of Confidentiality Attached
<input checked="" type="checkbox"/>	Wireline Log Received
<input type="checkbox"/>	Geologist Report Received

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WICHITA, KS

Operator Name: Layne Energy Operating, LLC Lease Name: Cotner Well #: 14-20
 Sec. 20 Twp. 34 S. R. 16 East West County: Montgomery

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>567 GL</td> <td>272</td> </tr> <tr> <td>Excello Shale</td> <td>750 GL</td> <td>88</td> </tr> <tr> <td>V-Shale</td> <td>803 GL</td> <td>35</td> </tr> <tr> <td>Mineral Coal</td> <td>857 GL</td> <td>-19</td> </tr> <tr> <td>Mississippian</td> <td>1229 GL</td> <td>-391</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	567 GL	272	Excello Shale	750 GL	88	V-Shale	803 GL	35	Mineral Coal	857 GL	-19	Mississippian	1229 GL	-391
Name	Top	Datum																	
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Mississippian	1229 GL	-391																	

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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	# Sacjs Used	Type and Percent Additives
Surface	11"	8.625"	24	20'	Class A	4	Type 1 cement
Casing	6.75"	4.5"	10.5	1298'	Thick Set	135	#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 (Amount and Kind of Material Used)	Depth
	Pending		

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. Pending		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

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 _____

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GEOLOGIC REPORT

LAYNE ENERGY
Cotner 14-20
SE SW, 558 FSL, 1816 FWL
Section 20-T34S-R16E
Montgomery County, KS

Spud Date: 8/3/2007
Drilling Completed: 8/6/2007
Logged: 8/6/2007
A.P.I. #: 1512531414
Ground Elevation: 838'
Depth Driller: 1305'
Depth Logger: 1263'
Surface Casing: 8.625 inches at 21'
Production Casing: 4.5 inches at 1298'
Cemented Job: Consolidated
Open Hole Logs: Dual Induction SFL/GR, High Resolution
Compensated Density/Neutron

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Formation	Tops	
	(below ground)	(subsea)
	Surface (Noxie	
Kansas City Group	Sandstone)	838
Pawnee Limestone	567	272
Excello Shale	750	88
"V" Shale	803	35
Mineral Coal	857	-19
Mississippian	1,229	-391

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

TICKET NUMBER 12454
 LOCATION EUREKA
 FOREMAN RYL LEBLANC

TREATMENT REPORT & FIELD TICKET
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-20-07	4758	CORRAL 14-20				CKE
CUSTOMER <u>LAYNE Energy</u>			TRUCK # DRIVER TRUCK # DRIVER 463 Kyle CONFIDENTIAL 515 Colin NOV 9 7 2007 KCC			
MAILING ADDRESS <u>P.O. Box 160</u>						
CITY <u>Sycamore</u>	STATE <u>KS</u>	ZIP CODE				

JOB TYPE Logging HOLE SIZE 6 3/4" HOLE DEPTH 1305' CASING SIZE & WEIGHT 4 1/2" 10.5"
 CASING DEPTH 1298' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.2" SLURRY VOL 42 bbl WATER gal/sk 9.0 CEMENT LEFT in CASING 0'
 DISPLACEMENT 20% bbl DISPLACEMENT PSI 600 PSI 1100 RATE _____

REMARKS: Safety meeting. Rig up to 4 1/2" casing. Begin circulation w/ 25 bbl fresh water. Pump 8 sacs gel-flush w/ bulls, 5 bbl water spacer, 20 bbl metasilicate pre-flush 11 bbl dye water. Mixed 135 sacs thickset cement w/ 10" Kol-seal @ 13.2" @ 600 PSI. Washout pump + lines, shut down. release plug. Displace w/ 20% bbl fresh water. Final pump pressure 600 PSI. Bump plug to 1100 PSI wait 2 minutes, release pressure, shut hold. Good cement returns to surface = 7 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	1	MILEAGE 2nd well	0	0
1126A	135 sacs	thickset cement	15.40	2079.00
1110A	1350*	Kol-seal 10" @ 600	38	513.00
1118A	400*	gel-flush	.15	60.00
1105	50*	bulls	.36	18.00
1102	80*	cecler	.67	53.60
1111A	100*	metasilicate pre-flush	1.65	165.00
5407A	2.43	ten-mileage bulk trk	1.10	326.92
4404	1	4 1/2" top roller plug	40.00	40.00
			Subtotal	4095.52
			SALES TAX 5.3%	155.22
			ESTIMATED TOTAL	4250.74

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AUTHORIZATION called by Murray TITLE C. Lee DATE _____

15282

Daily Well Work Report

COTNER 14-20

8/6/2007

Well Location:
MONTGOMERY KS
34S-16E-20 SE SW
558FSL / 1816FWL

Cost Center G01025500100
Lease Number G010255
Property Code KSDC34S16E2014
API Number 15-125-31414

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Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnetsID
8/3/2007	8/6/2007				
TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1305	1298	1298	20	0	0
Reported By	KRD	Rig Number		Date	8/3/2007
Taken By	KRD			Down Time	
Present Operation	Drill out from under surface			Contractor	McPherson

Narrative

Miru Mcpherson Drilling, drilled 11" hole, 20' deep, rih w/ 1 jt 8-5/8" surface casing, mxd 4 sxs type 1 cmt, dumped dn the backside, sdfn.
DWC: \$ 2,880

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