

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: M. B. Natrass
Phone: (913) 748-3987
Contractor: Name: McPherson Drilling
License: 5675
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. _____

<u>12/15/2005</u>	<u>12/19/2005</u>	<u>1/18/2006</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-30907 0000
County: Montgomery
 SW nw Sec. 1 Twp. 31 S. R. 14 East West
1788 feet from S / (circle one) Line of Section
356 feet from E / (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Fortner Well #: 5-1
Field Name: Cherokee Basin Coal
Producing Formation: Cherokee Coals
Elevation: Ground: 907 Kelly Bushing: _____
Total Depth: 1478' Plug Back Total Depth: 1468'
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 1475
feet depth to Surface w/ 150 sx cmt.
Alt II NH 6-4-08

Drilling Fluid Management Plan
(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: M B Natrass
Title: Agent Date: 4/10/06
Subscribed and sworn to before me this 10th day of April
20 06
Notary Public: Brooke C Maxfield

NOTARY PUBLIC -- State Of Kansas
BROOKE C. MAXFIELD
My Appt. Exp. 12/28/09

KCC
KCC Office Use ONLY APR 10 2006
CONFIDENTIAL
 Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
RECEIVED
KANSAS CORPORATION COMMISSION
APR 11 2006
CONSERVATION DIVISION
WICHITA, KS

Operator Name: Layne Energy Operating, LLC Lease Name: Fortner Well #: 5-1
 Sec. 1 Twp. 31 S. R. 14 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:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Pawnee Lime</td> <td>885 GL</td> <td>22</td> </tr> <tr> <td>Excello Shale</td> <td>1008 GL</td> <td>-101</td> </tr> <tr> <td>V Shale</td> <td>1077 GL</td> <td>-170</td> </tr> <tr> <td>Mineral Coal</td> <td>1120 GL</td> <td>-213</td> </tr> <tr> <td>Mississippian</td> <td>1377 GL</td> <td>-470</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	885 GL	22	Excello Shale	1008 GL	-101	V Shale	1077 GL	-170	Mineral Coal	1120 GL	-213	Mississippian	1377 GL	-470
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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	8.65	24	21.5'	Class A	4	Type 1 cement
Casing	6.75	4.5	10.5	1475'	Thick Set	150	

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		

TUBING RECORD Size <u>2 3/8"</u> Set At <u>1380'</u> Packer At Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	KCC APR 10 2006 CONFIDENTIAL
Date of First, Resumerd Production, SWD or Enhr. <u>2/14/2006</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>8</u> Water Bbls. <u>35</u> Gas-Oil Ratio Gravity	

Disposition of Gas <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION <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) _____
Production Interval RECEIVED KANSAS CORPORATION COMMISSION APR 11 2006 CONSERVATION DIVISION WICHITA, KS	

Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Fortner 5-1		
	Sec. 1 Twp. 31S Rng. 14E, Montgomery County		
API:	15-125-30907		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
4	1335.5-1338.5, 1247.5-1248.5, 1242.5-1244.5, 1228.5-1229.5	Rowe, Shale & Sand - 6100# 20/40 sand, 1500 gal 15% HCl acid, 546 bbls wtr	1228.5-1338.5
4	1164.5-1167.5, 1134.5-1135.5, 1120-1122, 1077.5-1079.5, 1057.5-1061.5	Tebo, Scammon A, Mineral, Croweberg, Bevier - 7200# 20/40 sand, 2760 15% HCl acid, 590 bbls wtr	1057.5-1167.5
4	1007.5-1012.5, 992.5-995.5, 881-882.5	Mulky, Summit, Mulberry-4253# 20/40 sand, 1200 gal 15% HCl acid, 389 bbls wtr	881-1012.5

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WICHITA, KS

MORNING COMPLETION REPORT

Report Called in by: : JOHN ED

Report taken by:

KRD

LEASE NAME & #	AFE#	DATE	DAYS	CIBP	PBTD
FORTNER 5-1		12/15/2005	1	DEPTH	TYPE FLUID
PRESENT OPERATION:					WT
DRILL OUT FROM UNDER SURFACE					VIS
DEEPEST CASING OD SHOE DEPTH	LINERS OD TOP & SHOE DEPTH	REPAIR DOWN TIME HRS		CONTRACTOR	
		TEST PERFS		RIG NO	
PACKER OR ANCHOR	FISHING TOOLS	OD	ID	SQUEEZED OR PLUG BACK PERFS	
				TO	
				TO	
				TO	
				TO	
HRS	BRIEF DESCRIPTION OF OPERATION				
	MIRU MCPHERSON, DRILLED 11" HOLE, 21.5' DEEP, RIH W/ 1 JT 8 5/8" SURFACE CASING.				
	MIXED 4 SKS TYPE 1 CEMENT, DUMPED DOWN THE BACKSIDE. SDFN				

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DAILY COST ANALYSIS

RIG	_____
SUPERVISION	200
RENTALS	_____
SERVICES	400
MISC	2280
DAILY TOTALS	2880

DETAILS OF RENTALS, SERVICES, & MISC

MCPHERSON DRILLING @ 6.50/ft	
MCPHERSON (CEMENT)	80
DIRTWORKS (LOC,RD, PIT)	400
SURFACE CASING	200
LAND/ LEGAL	2000

PREVIOUS TCTD

TCTD

2880

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CONSERVATION DIVISION
WICHITA, KS

CONSOLIDATED OIL WELL SERVICES,
P.O. BOX 881, CHANUTE, KS 66720
620-451-9210 OR 800-467-8676

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TICKET NUMBER 8034
LOCATION EUREKA
FOREMAN Kevin McCoy

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TREATMENT REPORT & FIELD TICKET
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY																
12-20-05	4758	Fortner 5-1				MG																
CUSTOMER Layne Energy			<table border="1"> <thead> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> </thead> <tbody> <tr> <td>445</td> <td>RICK L.</td> <td></td> <td></td> </tr> <tr> <td>479</td> <td>CALIN</td> <td></td> <td></td> </tr> <tr> <td>434</td> <td>JIM</td> <td></td> <td></td> </tr> </tbody> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	445	RICK L.			479	CALIN			434	JIM		
TRUCK #	DRIVER	TRUCK #					DRIVER															
445	RICK L.																					
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MAILING ADDRESS P.O. Box 160																						
CITY Sycamore	STATE KS	ZIP CODE																				
Gus Jones Rig 2																						

JOB TYPE Longstring HOLE SIZE 6 3/4 HOLE DEPTH 1478' CASING SIZE & WEIGHT 4 1/2 10.5# New
CASING DEPTH 1475' DRILL PIPE _____ TUBING _____ OTHER PBTD 1468
SLURRY WEIGHT 13.2 # SLURRY VOL 47 BBL WATER gal/sk 8.0 CEMENT LEFT in CASING 7
DISPLACEMENT 23.3 BBL DISPLACEMENT PSI 800 MAX PSI 1300 Bump Plug RATE _____

REMARKS: Safety Meeting: Rig up to 4 1/2 casing. Break Circulation w/ 30 BBL fresh water. Pump 4 sks Gel Flush, 5 BBL water spacer, 10 BBL metasilicate Pre Flush, 15 BBL Dye water. Mixed 150 sks Thick Set Cement w/ 10# Kol-Seal per/sk @ 13.2# per/gal, yield 1.75. Wash out Pump & Lines. Shut down. Release Plug. Displace w/ 23.3 BBL fresh water. Final Pumping Pressure 800 psi. Bump Plug to 1300 psi. Wait 2 minutes. Release Pressure. Float Held. Good Cement Returns to Surface = 7 BBL Slurry. Job Complete. Rig down.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	800.00	800.00
5406	40	MILEAGE	3.15	126.00
1126 A	150 sks	Thick Set Cement	13.65	2047.50
1110 A	30 sks	Kol-Seal 10# per/sk	17.75	532.50
1118 A	4 sks	Gel Flush	7.00	28.00
1111 A	50 #	Metasilicate Pre Flush	1.65 #	82.50
5407 A	8.25 tons	40 miles Bulk Truck	1.05	346.50
5502 C	3 HRS	80 BBL VAC TRUCK	90.00	270.00
1123	3000 gals	City water	12.80 per 1000	38.40
4404	1	4 1/2 Top Rubber Plug	40.00	40.00
4311	1	4 1/2 weld on collar	50.00	50.00
5605 A	4 HRS	welder	78.00	312.00
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			Sub Total	4673.40
			SALES TAX	149.40
			ESTIMATED TOTAL	4822.80

THANK YOU CONSERVATION DIVISION
WICHITA, KS
301621

AUTHORIZATION Called By John Ed TITLE _____ DATE _____

GEOLOGIC REPORT

LAYNE ENERGY
Fortner 5-1
SW NW, 1788 FNL, 356 FWL
Section 1-T31S-R14E
Montgomery County, KS

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Spud Date: 12/15/2005
Drilling Completed: 12/19/2005
Logged: 12/19/2005
A.P.I. #: 15-125-30907
Ground Elevation: 907'
Depth Driller: 1478'
Depth Logger: 1476'
Surface Casing: 8.625 inches at 20'
Production Casing: 4.5 inches at 1475'
Cemented Job: Consolidated
Open Hole Logs: Dual Induction SFL/GR, High Resolution
Compensated Density/Neutron

Formation

Lansing Group
Pawnee Limestone
Excello Shale
"V" Shale
Mineral Coal
Mississippian

Tops (in feet below ground level)

Surface (Stoner Limestone Member)
885
1,008
1,077
1,120
1,377

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