

CONFIDENTIAL

RECEIVED
KANSAS CORPORATION COMMISSION

12/5/08

ORIGINAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

AUG 13 2007

Form ACO-1
September 1999
Form Must Be Typed

CONSERVATION DIVISION
WICHITA, KS

AMENDED

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. Brent Natrass
Phone: (913) 748-3960
Contractor: Name: Thornton Air Rotary
License: 33606

KCC

DEC 12 2006

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Wellsite Geologist: _____

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>8/7/2006</u>	<u>8/9/2006</u>	<u>4/18/2007</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-31036-00-00

County: Montgomery

____ NW SW Sec. 20 Twp. 31 S. R. 14 East West

1980 feet from N (circle one) Line of Section

660 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SW

Lease Name: Greer Farms Well #: 12-20

Field Name: Cherokee Basin Coal Area

Producing Formation: Cherokee Coals

Elevation: Ground: 884' Kelly Bushing: _____

Total Depth: 1539' Plug Back Total Depth: 1519.2'

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 1519

feet depth to Surface w/ 155 sx cmt.

Drilling Fluid Management Plan UH 8/30/08
(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: MR Natrass

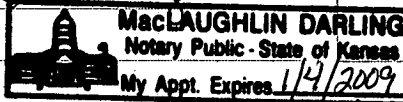
Title: Agent Date: 8/10/07

Subscribed and sworn to before me this 10 day of August

20 07

Notary Public: MacLaughlin Darline

Date Commission Expires: 1/4/2009



KCC Office Use ONLY

Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

Operator Name: Layne Energy Operating, LLC Lease Name: Greer Farms Well #: 12-20 **DEC 12 2006**
 Sec. 20 Twp. 31 S. R. 14 East West County: Montgomery

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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>952 GL</td> <td>-68</td> </tr> <tr> <td>Excello Shale</td> <td>1082 GL</td> <td>-198</td> </tr> <tr> <td>V Shale</td> <td>1141 GL</td> <td>-257</td> </tr> <tr> <td>Mineral Coal</td> <td>1188 GL</td> <td>-304</td> </tr> <tr> <td>Mississippian</td> <td>1480 GL</td> <td>-596</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	952 GL	-68	Excello Shale	1082 GL	-198	V Shale	1141 GL	-257	Mineral Coal	1188 GL	-304	Mississippian	1480 GL	-596
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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	1519'	Thick Set	155	

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	Depth RECEIVED KANSAS CORPORATION COMMISSION AUG 13 2007 CONSERVATION DIVISION WICHITA, KS

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2-3/8"	1450'		
Date of First, Resumerd Production, SWD or Enhr.		Producing Method		
5/15/2007		<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	1	20	

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) _____

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AUG 13 2007

CONSERVATION DIVISION

Operator Name:	Layne Energy Operating, LLC.	WICHITA, KS	
Lease Name:	Greer Farms 12-20		
	Sec. 20 Twp. 31S Rng. 14E, Montgomery County		
API:	15-125-31036-00-00		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
Initial Perforations			
4	Rowe 1410' - 1412'	8000 lbs 20/40 sand 136 bbls water 150 gals 15% HCl acid	1410' - 1412'
4	Scammon 1204' - 1205.5' Mineral 1187.5' - 1189.5' V-Shale 1141.5' - 1146' Bevier 1124' - 1125.5'	8600 lbs 20/40 sand 751 bbls water 700 gals 15% HCl acid	1124' - 1205.5'

Layne Energy, Inc.

1900 Shawnee Mission Parkway, Mission Woods, Kansas 66205 Phone: (913) 748-3987 Fax: (913) 748-3970

12/5/08

August 10, 2007

RECEIVED
KANSAS CORPORATION COMMISSION

AUG 13 2007

CONSERVATION DIVISION
WICHITA, KS

Mr. Steve Bond
Kansas Corporation Commission
Oil & Gas Conservation Division
130 S. Market, Room 2078
Wichita, KS 67202

Re: Amended Well Completion Forms

Dear Mr. Bond:

KCC
DEC 12 2006
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I have enclosed the **amended** ACO-1 form and associated data for the following well:

API # 15-125-31036-00-00
Greer Farms 12-20

We respectfully request that all information submitted be kept confidential. Per provision E-4 of K.A. R. 82-3-107, we request that the term of the confidentiality be extended by one year.

If you need additional information, please contact me at (913) 748-3960.

Sincerely,

MacLaughlin Darling
MacLaughlin Darling
Engineering Technician

Enclosures

cc: Well File
Field Office



Operator Name: Layne Energy Operating, LLC Lease Name: Greer Farms Well #: 12-20
 Sec. 20 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>952 GL</td> <td>-68</td> </tr> <tr> <td>Excello Shale</td> <td>1082 GL</td> <td>-198</td> </tr> <tr> <td>V Shale</td> <td>1141 GL</td> <td>-257</td> </tr> <tr> <td>Mineral Coal</td> <td>1188 GL</td> <td>-304</td> </tr> <tr> <td>Mississippian</td> <td>1480 GL</td> <td>-596</td> </tr> </table>	Name	Top	Datum	Pawnee Lime	952 GL	-68	Excello Shale	1082 GL	-198	V Shale	1141 GL	-257	Mineral Coal	1188 GL	-304	Mississippian	1480 GL	-596
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Mississippian	1480 GL	-596																	

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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	20'	Class A	4	Type 1 cement
Casing	6.75	4.5	10.5	1519'	Thick Set	155	

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
	SI - Waiting on completion		

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.		Producing Method		
SI - Waiting on pipeline		<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

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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 CONSERVATION DIVISION
 WICHITA, KS

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CONFIDENTIAL**Daily Well Work Report**

GREER FARMS 12-20

8/7/2006

Well Location:
 MONTGOMERY KS
 31S-14E-20 NW SW
 1980FSL / 660FWL

Cost Center G01017000100
Lease Number G010170
Property Code KSSY31S14E20SW
API Number 15-125-31036

Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
8/7/2006	8/9/2006				

TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size	Pump Seat Depth
1539	1519.2	20	1519			1519

Reported By	Rig Number	Date	8/7/2006
Taken By		Down Time	
Present Operation		Contractor	

Narrative

MIRU, Thorton Drilling. Drilled 11" hole, 20' deep. RIH w/1 jt 8 5/8" surface casing. Mixed 4 sxs type 1 cement. Dumped down the backside. SDFN.

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 WICHITA, KS

Cumulative Well Cost \$ 34,797.00

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CONSOLIDATED OIL WELL SERVICES, INC.
P.O. BOX 884, CHANUTE, KS 66720
620-431-9210 OR 800-467-8876

TICKET NUMBER 10511

LOCATION EURKA

FOREMAN Kevin McCoy

TREATMENT REPORT & FIELD TICKET
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
8-10-06	4758	Chanute 12-20				MG	
CUSTOMER <u>Layne Energy</u>			Gus Jones				
MAILING ADDRESS <u>P.O. Box 160</u>							
CITY <u>Sycamore</u>		STATE <u>Ks</u>	ZIP CODE	TRUCK #	DRIVER	TRUCK #	DRIVER
				<u>445</u>	<u>Rick</u>		
				<u>479</u>	<u>Kyle</u>		

JOB TYPE Longstring HOLE SIZE 6 3/4 HOLE DEPTH 1539' CASING SIZE & WEIGHT 4 1/2 10.5" new
 CASING DEPTH 1519' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.2 # SLURRY VOL 48 BBL WATER gal/sk 8.0 CEMENT LEFT in CASING 0'
 DISPLACEMENT 24.1 BBL DISPLACEMENT PSI 600 PSI 1100 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 155 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/ 24.1 BBL Fresh water. Final Pumping Pressure 600 PSI.
Bump Plug to 1100 psil wait 2 minutes. Release Pressure. Float Held.
Good Cement Returns to Surface = 10 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	155 sks	Thick Set Cement	14.65	2270.75
1110 A	1550 #	Kol-Seal 10 # per/sk	.36 #	558.00
1118 A	200 #	Gel Flush	.14 #	28.00
1111 A	50 #	Metasilicate Pre Flush	1.65 #	82.50
5407 A	8.58 TONS	40 miles Bulk Truck	1.05	357.84
4404	1	4 1/2 Top Rubber Plug	40.00	40.00
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			Sub Total	4263.09
			SALES TAX 5.3%	159.89
			ESTIMATED TOTAL	4420.98

THANK YOU

201982

AUTHORIZATION Called By John Ed

TITLE _____

DATE _____

GEOLOGIC REPORT

LAYNE ENERGY
Greer Farms 12-20
NW SW, 1980 FSL, 660 FWL
Section 20-T31S-R14E
Montgomery County, KS

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Spud Date: 8/7/2006
Drilling Completed: 8/9/2006
Logged: 8/9/2006
A.P.I. #: 1512531036
Ground Elevation: 884'
Depth Driller: 1539'
Depth Logger: 1566'
Surface Casing: 8.625 inches at 20'
Production Casing: 4.5 inches at 1519.2'
Cemented Job: Consolidated
Open Hole Logs: Dual Induction SFL/GR, High Resolution
Compensated Density/Neutron

Formation

Quaternary
Pawnee Limestone
Excello Shale
"V" Shale
Mineral Coal
Mississippian

Tops (in feet below ground level)

Surface (Terrace Deposits)
952
1,082
1,141
1,188
1,480

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CONSERVATION DIVISION
WICHITA, KS

Layne Energy, Inc.

12-05-06

1900 Shawnee Mission Parkway, Mission Woods, Kansas 66205 Phone: (913) 748-3987 Fax: (913) 748-3970

December 5, 2006

Kansas Corporation Commission
Oil & Gas Conservation Division
130 S. Market, Room 2078
Wichita, KS 67202

KCC
DEC 05 2006
CONFIDENTIAL

Re: Well Completion Form

To Whom It May Concern:

I have enclosed the ACO-1 form and associated data for the following wells:

API # 15-125-31036
Greer Farms 12-20

We respectfully request that all information submitted be kept confidential and per provision E-4 of K.A. R. 82-3-107, we request that the term of the confidentiality be extended by one year.

If you need additional information or have any questions or comments, please contact me at (913) 748-3987.

Best regards,



Brooke C. Maxfield

Enclosures

Cc Well File
Field Office

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CONSERVATION DIVISION
WICHITA, KS

