

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: Victor H. Dyal
Phone: (913) 748-3987
Contractor: Name: Thornton Air Rotary
License: 33606

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. _____

5/25/2006 5/30/2006 7/27/2006
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 205-26375-00-00
County: Wilson
_____ SE SW Sec. 17 Twp. 30 S. R. 14 East West
639 feet from N (circle one) Line of Section
2126 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Shire Well #: 14-17
Field Name: Cherokee Basin Coal Area

Producing Formation: Cherokee Coals
Elevation: Ground: 997 Kelly Bushing: _____
Total Depth: 1523 Plug Back Total Depth: 1516.7
Amount of Surface Pipe Set and Cemented at 40 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 1517
feet depth to Surface w/ 160 sx cmt.

Drilling Fluid Management Plan AH II NH 7-28-08
(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: [Signature]
Title: Agent Date: 9/19/2006
Subscribed and sworn to before me this 19 day of September
[Signature]
Notary Public: _____
Date Commission Expires: 12/28/09

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

RECEIVED
KANSAS CORPORATION COMMISSION

SEP 20 2006

CONSERVATION DIVISION
WICHITA, KS

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

K(10)

SEP 19 2006

Operator Name: Layne Energy Operating, LLC Lease Name: Shire Well #: 14-17
 Sec. 17 Twp. 30 S. R. 14 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 Yes No
 (Attach Additional Sheets)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy)

List All E. Logs Run:

Compensated Density Neutron
 Dual Induction

Log Formation (Top), Depth and Datum Sample
 Name Top Datum
 Pawnee Lime 998 GL -1
 Excello Shale 1106 GL -109
 V Shale 1176 GL -179
 Mineral Coal 1221 GL -224
 Mississippian 1422 GL -425

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	40'	Class A	10	Type 1 cement
Casing	6.75	4.5	10.5	1517'	Thick Set	160	

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	Set At	Packer At	Liner Run
	2 3/8"	1413'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
SI-waiting on pipeline				
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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WICHITA, KS

Operator Name: Layne Energy Operating, LLC.
Lease Name: Shire 14-17
Sec. 17 Twp. 30S Rng. 14E, Montgomery County
API: 15-205-26375

Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
4	1378-1381, 1297.5-1301	Riverton, Weir-3500# 20/40 sand, 389 bbls wtr, 600 gal acid	1297.5-1381
4	1176.5-1180, 1158.5-1162.5, 1106.5-1110.5, 1093.5-1096.5	Croweburg, Bevier, Mulky, Summit-9400# 20/40 sand, 710 bbls wtr, 1450 gal 15% HCl acid	1093.5-1180
4	995.5-997.5, 877.5-879.5, 836.5-841	Mulberry, Laredo, Dawson-6100# 20/40 sand, 499 bbls wtr, 850 gal acid	836.5-997.5

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GEOLOGIC REPORT

11080
SEP 20 2006
KANSAS CORPORATION COMMISSION

LAYNE ENERGY
Shire 14-17
SE SW, 639 FSL, 2126 FWL
Section 17-T30S-R14E
Wilson County, KS

Spud Date: 5/25/2006
Drilling Completed: 5/30/2006
Logged: 5/30/2006
A.P.I. #: 1520526375
Ground Elevation: 997'
Depth Driller: 1523'
Depth Logger: 1526'
Surface Casing: 8.625 inches at 40'
Production Casing: 4.5 inches at 1516.7'
Cemented Job: Consolidated
Open Hole Logs: Dual Induction SFL/GR, High Resolution
Compensated Density/Neutron

Formation

Tops (in feet below ground level)

Douglas Group	Surface (Stranger Formation)
Pawnee Limestone	998
Excello Shale	1,106
"V" Shale	1,176
Mineral Coal	1,221
Mississippian	1,422

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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 09849

LOCATION EUREKA KS

FOREMAN RICK LEONARD +

TROY STRICKLER

TREATMENT REPORT & FIELD TICKET CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-31-06	4758	SHIRE 14-17				Wilson

CUSTOMER
LAYNE Energy

MAILING ADDRESS
P.O. Box 160

CITY
Sycamore

STATE
KS

ZIP CODE

GUS
Jans
#2

TRUCK #	DRIVER	TRUCK #	DRIVER
445	Russ		
479	Calin		
452/743	J.P.		

JOB TYPE **LOGGING** HOLE SIZE **6 3/4** HOLE DEPTH **1523** CASING SIZE & WEIGHT **4 1/2" 10.5" NW**

CASING DEPTH **1517** DRILL PIPE _____ TUBING _____ OTHER _____

SLURRY WEIGHT **13.2⁰⁰** SLURRY VOL _____ WATER gal/sk **8.0** CEMENT LEFT in CASING **0'**

DISPLACEMENT **24.7** DISPLACEMENT PSI **850** PSI **1300** **Annular** RATE _____

REMARKS: **SAFETY MEETING: Rio up to 4 1/2 casing. Began Circulation w/ 30 Bbl Fresh water. Pump 4 sks Gel flush, 5 bbl spacer, 10 bbl Metasilicate Pre-Flush 14 Bbl DYE WATER. MARR 1600 sks Thick-set Cement w/ 10" PSC/3sk Kol-201 @ 13.2" PSC/3sk. yield 1.75. Wash out pump & lines. shut down. Released plug. Displaced w/ 24.7 Bbl FRESH WATER. Final pump pressure 850 psi. Bump plug to 1300 psi wait 2 min. Check float. Float held. Good cement to surface 8 Bbl Slurry to pit**

Job Complete.

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
1126A	1600 sks	THICKSET Cement	14.65	2344.00
1110A	1600 ⁰⁰	Kol-201 10" PSC/3sk	.36 ⁰⁰	576.00
1118A	200 ⁰⁰	GEL FLUSH	.14 ⁰⁰	28.00
1111A	50 ⁰⁰	METASILICATE PRE-FLUSH	1.65 ⁰⁰	82.50
5407A	8.8 Tons	Ten-mileage QUIK TAX	1.05/mile	369.60
5501C	4 hrs.	WHEEL TRANSPORT	98.00	392.00
5822G	5000 gal	CITY WATER	12.8 ⁰⁰ PSC/1000	64.00
4404	1	4 1/2" Top Rubber Plug	40.00	40.00

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Feuillets de transmission par télécopieur Date # of pages 3

Post-it Fax Note 7071R

To / A **BROOKE** From / De **MICHELLE**

Co./Dept. / Cln/Service Co. / Cie

Phone # / N° de tél. Phone # / N° de tél.

Fax # / N° de télécopieur **913-748-3950** Fax # / N° de télécopieur

Sub Total	4822.10
SALES TAX 6.3%	197.47
ESTIMATED TOTAL	5019.57
DATE	

Layne Energy, Inc.

9/19/08

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

September 19, 2006

KCC
SEP 19 2006
WICHITA, KS

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WICHITA, KS

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

Re: Well Completion Form

To Whom It May Concern:

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

API # 15-205-26375
Shire 14-17

API# 15-125-31050
Cotterill 7-12

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
Brooke C. Maxfield

KCC
SEP 19 2006
WICHITA, KS

Enclosures

Cc Well File
Field Office

