

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

12/20/08

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: 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. _____

<u>8/23/2006</u>	<u>8/25/2006</u>	<u>9/6/2006</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 205-26924 -00-00
County: Wilson
SW NW SE Sec. 34 Twp. 30 S. R. 14 East West
1749 feet from N (circle one) Line of Section
2222 feet from W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Metzger Well #: 10-34
Field Name: Cherokee Basin Coal Area
Producing Formation: Cherokee Coals
Elevation: Ground: 927 Kelly Bushing: _____
Total Depth: 1439 Plug Back Total Depth: 1434
Amount of Surface Pipe Set and Cemented at 41 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 1434
feet depth to Surface w/ 150 sx cmt.

Drilling Fluid Management Plan ALT II NH 8-DI-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: M.B. Natrass
Title: Agent Date: 12/20/2006
Subscribed and sworn to before me this 20 day of December
20 Dec
Notary Public: Brooke C. Maxfield
Date Commission Expires: 12/28/09

NOTARY PUBLIC - State Of Kansas
BROOKE C. MAXFIELD
My Appt. Exp. 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
DEC 21 2006

CONSERVATION DIVISION
WICHITA, KS

KCC

Operator Name: Layne Energy Operating, LLC Lease Name: Metzger Well #: 10-34
 Sec. 34 Twp. 30 S. R. 14 East West County: Wilson **DEC 20 2006**

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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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Pawnee Lime	864 GL	63
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Excello Shale	986 GL	-59
List All E. Logs Run:		V Shale	1056 GL	-129
Compensated Density Neutron		Mineral Coal	1100 GL	-173
Dual Induction		Mississippian	1366 GL	-439

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	# Sacs Used	Type and Percent Additives
Surface	11	8.65	24	41'	Class A	8	Type 1 cement
Casing	6.75	4.5	10.5	1434'	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>1207'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
9/21/2006				
Estimated Production Per 24 Hours	Oil Bbls. <u>0</u>	Gas Mcf <u>120</u>	Water Bbls. <u>1</u>	Gas-Oil Ratio Gravity

Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<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) _____	

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Operator Name: Layne Energy Operating, LLC.
Lease Name: Metzger 10-34
Sec. 34 Twp. 30S Rng. 14E, Wilson County
API: 15-205-26924

Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
4	1164-1166, 1146-1152	Weir, Unnamed Sand-7200# 20/40 sand, 1000 gal 15% HCl acid, 460 bbls wtr	1146-1166

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Daily Well Work Report

METZGER 10-34
8/25/2006

Well Location:
WILSON KS
30S-14E-34 NW SE
1749FSL / 2222FEL

Cost Center G01050100100
Lease Number G010501
Property Code KSSY30S14E3410
API Number 15-205-26924

Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID	
8/23/2006	8/25/2006	9/6/2006	9/21/2006	9/20/2006	METZGER_10_34	
TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size	Pump Seat Depth
1439		41				

Reported By
Taken By
Present Operation

Rig Number

Date 8/23/2006
Down Time
Contractor

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Narrative

MIRU Thornton drilling rig, drilled 11" hole 41' deep. Rih w/2 jts 8-5/8" surface casing. Mixed 8 sxs type 1 cement, dumped dn the backside. SDFN.

Wednesday, December 20, 2006

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

DEC 20 2006

TICKET NUMBER 10650

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LOCATION EUREKA

FOREMAN Rick Ledford

TREATMENT REPORT & FIELD TICKET
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
8-25-06	4758	METZGER 10-34				Wilson	
CUSTOMER		Gus Jones		TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS				446	TROY		
CITY				502	CLIFF		
STATE							
ZIP CODE							
Layne Energy							
P.O. Box 1160							
Sycamore							
KS							

JOB TYPE logstring HOLE SIZE 6 3/4" HOLE DEPTH 1439' CASING SIZE & WEIGHT 4 1/2 16.5"
 CASING DEPTH 1434' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.2 # SLURRY VOL _____ WATER gal/sk 9.0 CEMENT LEFT in CASING 0'
 DISPLACEMENT 22.8 Bbls DISPLACEMENT PSI 700 ~~900~~ PSI 1200 RATE _____

REMARKS: Safety meeting. Rig up to 4 1/2" casing. Break circulation w/ 25 bbls fresh water. pump 4 sks gel-flush, 5 bbls fresh water spacer, 1 sk metasilicate pre-flush, 12 Bbls dye water mixed 150 sks Thickset w/ 10" Kol-seal @ 13.2 #/gal. Washout pump & lines. Release plug. Displace w/ 22.8 Bbls fresh water. Final pump pressure 700 PSI. Bump plug top 1200 PSI. wait 2 mins. Release pressure. float held. Good cement return to surface = 9 Bbl slurry to pit. 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
1126A	150 SKS	Thickset cement	14.45	2167.50
1110A	1500	Kol-seal 10" @/sk	.36 #	540.00
1117A	200 #	Gel-flush	.14 #	28.00
1111A	50 #	metasilicate pre flush	1.65 #	82.50
5407A	8.25	Ten-mileage Bulk-Tax	1.05	346.50
4404	1	4 1/2" Top rubber plug	40.00	40.00
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			subtotal	4116.50
			6.3% SALES TAX	181.94
			ESTIMATED TOTAL	4342.44

208418

AUTHORIZATION Called by John Ed

TITLE _____

DATE _____

GEOLOGIC REPORT

LAYNE ENERGY
Metzger 10-34
NW SE, 1749 FSL, 2222 FEL
Section 34-T30S-R14E
Wilson County, KS

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Spud Date: 8/23/2006
Drilling Completed: 8/25/2006
Logged: 8/25/2006
A.P.I. #: 1520526924
Ground Elevation: 927'
Depth Driller: 1439'
Depth Logger: 1435'
Surface Casing: 8.625 inches at 41'
Production Casing: 4.5 inches at 1435'
Cemented Job: Consolidated
Open Hole Logs: Dual Induction SFL/GR, High Resolution
Compensated Density/Neutron

Formation

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

Tops (in feet below ground level)

Surface (Stranger Formation)
864
986
1,056
1,100
1,366

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12/20/08

Layne Energy, Inc.

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

December 20, 2006

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

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Re: Well Completion Form

To Whom It May Concern:

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

API # 15-205-26924
Metzger 10-34

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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