

CONFIDENTIAL KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

12/7/09
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: 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>8/17/2007</u>	<u>8/21/2007</u>	<u>9/24/2007</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

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API No. 15 - 205-27275-00-00
 County: Wilson
SW SE NE Sec. 34 Twp. 30 S. R. 14 East West
2329 feet from S / (circle one) Line of Section
1222 feet from (circle one) W Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE NW SW
 Lease Name: Metzger Well #: 8-34
 Field Name: Cherokee Basin Coal Area
 Producing Formation: Cherokee Coals
 Elevation: Ground: 924' Kelly Bushing: _____
 Total Depth: 1486' Plug Back Total Depth: 1476'
 Amount of Surface Pipe Set and Cemented at 42 Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set _____ Feet
 If Alternate II completion, cement circulated from 1476
 feet depth to Surface w/ 155 sx cmt.

Drilling Fluid Management Plan AH JNS 4-9-09
 (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: 12-6-07
 Subscribed and sworn to before me this 6 day of December, 2007.
 Notary Public: MacLaughlin Darling
 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

MacLAUGHLIN DARLING
 Notary Public - State of Kansas
 My Appt. Expires 1-4-2009

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 WICHITA, KS

Operator Name: Layne Energy Operating, LLC Lease Name: Metzger Well #: 8-34
 Sec. 34 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 <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	871 GL	53
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Excello Shale	1000 GL	-76
List All E. Logs Run:		V Shale	1071 GL	-147
Compensated Density Neutron		Mineral Coal	1124 GL	-200
Dual Induction		Mississippian	1389 GL	-465

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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	# Sacs Used	Type and Percent Additives
Surface	11"	8.625"	24	42'	Class A	8	Type 1 cement
Casing	6.75"	4.5"	10.5	1476'	Thick Set	155	#10 KOL seal @ sx

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ 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 Page		

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2-3/8"	1383'			
Date of First, Resumerd Production, SWD or Enhr.			Producing Method			
9/27/2007			<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	40	1			

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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Operator Name:	Layne Energy Operating, LLC.		
Lease Name:	Metzger 8-34		
	Sec. 34 Twp. 30S Rng. 14E, Wilson County		
API:	15-205-27275-00-00		
Shots per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
Initial Perforations			
4	Rowe 1333' - 1335'	1700 lbs 20/40 sand 291 bbls water 600 gals 15% HCl acid	1333' - 1335'
4	Mineral 1113.5' - 1116' V-Shale 1072' - 1075' Bevier 1052' - 1056'	8100 lbs 20/40 sand 568 bbls water 700 gals 15% HCl acid	1052' - 1116'
4	Mulky 1000' - 1006' Summit 984' - 987'	9500 lbs 20/40 sand 623 bbls water 750 gals 15% HCl acid	984' - 1006'
4	Mulberry 868' - 870'	3300 lbs 20/40 sand 223 bbls water 380 gals 15% HCl acid	868' - 870'

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GEOLOGIC REPORT

LAYNE ENERGY
Metzger 8-34
SE NE, 2329 FNL, 1222 FEL
Section 34-T30S-R14E
Wilson County, KS

Spud Date: 8/17/2007
Drilling Completed: 8/21/2007
Logged: 8/22/2007
A.P.I. #: 15205272750000
Ground Elevation: 924'
Depth Driller: '
Depth Logger: 1484'
Surface Casing: 8.625 inches at 41'
Production Casing: 4.5 inches at 1476'
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 (Stranger Formation)		924
Douglas Group		
Pawnee Limestone	871	53
Excello Shale	1,000	-76
"V" Shale	1,071	-147
Mineral Coal	1,124	-200
Mississippian	1,389	-465

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WICHITA, KS

Daily Well Work Report

METZGER 8-34

8/17/2007

Well Location:
WILSON KS
30S-14E-34 SE NE
2329FNL / 1222FEL

Cost Center G01050100200
Lease Number G010501
Property Code KSSY30S14E3408
API Number 15-205-27275

Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
8/17/2007	8/21/2007	9/24/2007	9/27/2007	9/27/2007	METZGER_8_34

TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
1486	1476	42	1476	0	0

Reported By krd	Rig Number	Date 8/17/2007
Taken By krd		Down Time
Present Operation Drill out from under surface		Contractor Thornton Drilling

Narrative

MIRU Thornton Drilling, drilled 11' hole, 42' deep, rih w/2jt 8-5/8" surface casing. Mixed 8 sxs type 1 cement, dumped dn the back side. SDFN. DWC:\$3,160

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Wednesday, December 05, 2007

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

TICKET NUMBER 12523
 LOCATION Evans
 FOREMAN Rick Larson

TREATMENT REPORT & FIELD TICKET
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY																
8-22-07	4758	METZGER 8-34				Wilson																
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>463</td> <td>Kyle</td> <td></td> <td></td> </tr> <tr> <td>479</td> <td>Jeff</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	463	Kyle			479	Jeff						
TRUCK #	DRIVER	TRUCK #					DRIVER															
463	Kyle																					
479	Jeff																					
MAILING ADDRESS P.O. Box 160																						
CITY Sycamore	STATE KS	ZIP CODE																				

JOB TYPE longstring HOLE SIZE 6 3/4" HOLE DEPTH 1486' CASING SIZE & WEIGHT 4 1/2" 16.5"
 CASING DEPTH 1476' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 13.2# SLURRY VOL 48 bbl WATER gal/sk 8.0 CEMENT LEFT in CASING 0'
 DISPLACEMENT 23 1/2 bbl DISPLACEMENT PSI 700 ~~600~~ PSI 1200 RATE _____

REMARKS: Safety meeting. Rig up to 4 1/2" casing. Break circulation w/ 55 bbl fresh water. Pump 8 sus gel-flush w/ bulls, 5 bbl water spacer, 20 bbl metasilicate pre-flush, 14 bbl dye water. Mixed 155 sus thickset cement w/ 10" Kal-seal 10# @ 18" #/gal. Washout pump + lines, shut down, release plug. Displace w/ 23 1/2 bbl fresh water. Final pump pressure 700 PSI. Swap plug to 1200 PSI wait 2 minutes release pressure, float held. Good cement returns to surface - 8 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	40	MILEAGE	3.30	132.00
1126A	155 sus	thickset cement	15.40	2387.00
1110A	1550 #	Kal-seal 10" #/gal	.38	589.00
1118A	400 #	gel-flush	.15	60.00
1105	50 #	bulls	.36	18.00
1102	80 #	calc	.67	53.60
1111A	100 #	metasilicate pre-flush	1.65	165.00
5407A	8.53	top-mileage bulk trx	1.10	335.32
4404	1	4 1/2" top rubber plug	40.00	40.00
		RECEIVED KANSAS CORPORATION COMMISSION DEC 10 2007		
		CONSERVATION DIVISION WICHITA, KS 6.3%	subtotal	4459.92
			SALES TAX	208.70
			ESTIMATED TOTAL	4868.62

AUTHORIZATION called by Mopper

215803
 TITLE C. Lee

DATE _____
 4868.62