



KANSAS CORPORATION COMMISSION 1050488
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33365
Name: Layne Energy Operating, LLC
Address 1: 1900 SHAWNEE MISSION PKWY
Address 2:
City: MISSION WOODS State: KS Zip: 66205 + 2001
Contact Person: Victor H. Dyal
Phone: (913) 748-3955
CONTRACTOR: License # 33606
Name: Thornton Air Rotary, LLC
Wellsite Geologist: N/A
Purchaser:

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil WSW SWD SIOW
 Gas D&A ENHR SIGW
 OG GSW Temp. Abd.
 CM (Coal Bed Methane)
 Cathodic Other (Core, Expl., 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 Conv. to SWD
 Conv. to GSW
 Plug Back: Plug Back Total Depth
 Commingled Permit #:
 Dual Completion Permit #:
 SWD Permit #:
 ENHR Permit #:
 GSW Permit #:

10/4/2010	10/11/2010	10/28/2010
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-205-27866-00-00

Spot Description:
NE SE NW SE Sec. 34 Twp. 30 S. R. 14 East West
1,936 Feet from North / South Line of Section
1,541 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW

County: Wilson

Lease Name: METZGER Well #: 10J-34

Field Name: Lafontaine

Producing Formation: N/A

Elevation: Ground: 913 Kelly Bushing: 0

Total Depth: 1252 Plug Back Total Depth:

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:

feet depth to: w/ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 0 ppm Fluid volume: 0 bbls

Dewatering method used: Evaporated

Location of fluid disposal if hauled offsite:

Operator Name:

Lease Name: License #:

Quarter Sec. Twp. S. R. East West

County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

KCC Office Use ONLY

Letter of Confidentiality Received
Date:
 Confidential Release Date:
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: Deanna Garrison Date: 02/10/2011



1050488

Operator Name: Layne Energy Operating, LLC Lease Name: METZGER Well #: 10J-34
Sec. 34 Twp. 30 S. R. 14 [X] 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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken [] Yes [X] No
Samples Sent to Geological Survey [] Yes [X] No
Cores Taken [] Yes [X] No
Electric Log Run [X] Yes [] No
Electric Log Submitted Electronically [X] Yes [] No
List All E. Logs Run:
Compensated Density
Dual Induction
[] Log Formation (Top), Depth and Datum [] Sample
Name Top Datum
See Attached

CASING RECORD [X] New [] Used
Report all strings set-conductor, surface, intermediate, production, etc.
Table with columns: Purpose of String, Size Hole Drilled, Size Casing Set (In O.D.), Weight Lbs. / Ft., Setting Depth, Type of Cement, # Sacks Used, Type and Percent Additives.
Row 1: Surface, 11, 8.625, 24, 40, Type 1, 8

ADDITIONAL CEMENTING / SQUEEZE RECORD
Table with columns: Purpose, Depth Top Bottom, Type of Cement, # Sacks Used, Type and Percent Additives.
Purpose: Perforate, Protect Casing, Plug Back TD, Plug Off Zone

PERFORATION RECORD - Bridge Plugs Set/Type
Specify Footage of Each Interval Perforated
Table with columns: 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

TUBING RECORD: Size: Set At: Packer At: Liner Run: [] Yes [] No

Date of First, Resumed Production, SWD or ENHR. Producing Method: [] Flowing [] Pumping [] Gas Lift [] Other (Explain)

Estimated Production Per 24 Hours
Table with columns: 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 (Submit ACO-5) [] Other (Specify)
PRODUCTION INTERVAL:

Well Report

METZGER 10J-34

API Number:
Project Area: SYCAMORE
KS Wilson
30S - 14E - 34
1936FSL - 1541FEL

AFE Number: G01027401200
AFE Amount: \$0.00

Activity Date	Activity Description
10/4/2010	MIRU THORNTON DRILLED 11" HOLE 12' DEEP, RIG BROKE DOWN. POOH SHUT DOWN FOR REPAIRS.
10/9/2010	MIRU THORNTON DRILLED 11" HOLE FROM 12' TO 40' DEEP, RIH W/2 JOINTS 8-5/8" SURFACE CASING MIXED 8 SX TYPE 1 CEMENT, DUMPED DOWN THE BACKSIDE. SDFN
10/11/2010	TIH W/ 6 3/4" BIT, HAMMER AND DRILL PIPE, DRILLED OUT FROM UNDER SURFACE TO 1252 TD ' CATCHING SAMPLES AT ZONES OF INTEREST. SD MOL
10/12/2010	RU WL, PULL LOGS FROM LOGGER DEPTH TO SURFACE. RD, MOL.
10/28/2010	Ran 2-3/8" tubing to 1226' pumped 15 sks 60/40 poz cement for 50' plug, moved up hole and pumped gel spacer at 482' pumped 15 sks cement for 2nd 50' plug, moved up hole and pumped gel spacer at 250' and 50 sks cement for 250' plug to surface. Job complete RDMO.

Air Drilling Specialist
Oil & Gas Wells

THORNTON AIR ROTARY, LLC
Office Phone: 620-879-2073

PO Box 449
Caney, KS 67333

Date Started	10/9/2010
Date Completed	10/10/2010

Well No.	Operator	Lease	A.P.I.#	County	State
10J-34	Layne Energy Operating	Metzger	205-27866-00-00	Wilson	Kansas

1/4	1/4	1/4	Sec.	Twp.	Rge.
			34	30	14E

Driller	Type/Well	Cement Used	Casing Used	Depth	Size of Hole
Billy	Oil	8	39 8 5/8	1252	6 3/4

Formation Record

0-4	DIRT	761-774	SAND/LIGHT OIL ODOR	1116-1157	SHALE
4-72	LIME	774-802	SANDY SHALE	1152	GAS TEST - SAME
72-173	SHALE	802-803	COAL	1157-1165	BLACK SHALE
173-179	LIME	803-872	SHALE	1165-1187	SAND
179-320	SHALE	852	GAS TEST - NO GAS	1187-1252	SHALE
320-325	SANDY SHALE	872-873	COAL (MULBERRY)	1252	TD
325-370	SAND (DAMP)	873-901	LIME (PAWNEE)		
370-444	SANDY SHALE	901-906	BLK SHALE (LEXINGTON)		
444-450	LIME	906-920	LMY SHALE		
451	WENT TO WATER	920-926	SANDY SHALE		
450-461	SHALE	926-948	SAND		
461-470	LIME	948-957	SANDY SHALE		
470-496	SHALE	952	GAS TEST - NO GAS		
496-531	LIME	957-982	LIME (OSWEGO)		
501	GAS TEST - NO GAS	982-991	BLK SHALE (SUMMIT)		
531-536	SHALE	991-1000	LIME		
536-554	LIME	1000-1007	BLACK SHALE		
554-577	SAND	1002	GAS TEST-4#,1/4,MCF-18.5		
577-606	LIME	1007-1008	COAL (MULKEY)		
606-611	SHALE	1008-1015	LIME		
611-643	LIME	1015-1050	SANDY SHALE		
643-700	SHALE	1050-1051	COAL		
700-706	LMY SHALE	1051-1070	SHALE		
706-714	SHALE	1070-1072	LIME		
714-721	LMY SAND	1072-1074	SHALE		
721-738	SANDY SHALE	1074-1075	COAL (MINERAL)		
738-740	LIME	1075-1080	SHALE		
740-743	SHALE	1080-1090	SAND		
743-752	LIME	1090-1115	SANDY SHALE		
752-761	SHALE	1115-1116	COAL		