

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

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 Parkway
Address 2: _____
City: Mission Woods State: KS Zip: 66205 + 2001
Contact Person: Victor H. Dyal
Phone: (913) 748-3960
CONTRACTOR: License # 33606
Name: Thornton Air Rotary, LLC
Wellsite Geologist: _____
Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SLOW
- 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 #: _____

7/27/2010	7/28/2010	Plugged 8/27/2010
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 205-27844-00-00 Plugged 8/27/2010

Spot Description: _____
N2 SE SE SE Sec. 34 Twp. 30 S. R. 14 East West
495 Feet from North / South Line of Section
375 Feet from East / West Line of Section

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

County: Wilson
Lease Name: Metzger Well #: 16J-34
Field Name: Cherokee Basin Coal Area
Producing Formation: _____
Elevation: Ground: 913' Kelly Bushing: N/A
Total Depth: 1262' Plug Back Total Depth: N/A
Amount of Surface Pipe Set and Cemented at: 40 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: N/A Feet
If Alternate II completion, cement circulated from: N/A
feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: N/A ppm Fluid volume: N/A bbls
Dewatering method used: N/A - Air Drilled

Location of fluid disposal if hauled offsite: RECEIVED
NOV 03 2010

Operator Name: N/A KCC WICHITA
Lease Name: N/A License #: N/A
Quarter N/A Sec. N/A Twp. N/A S. R. N/A East West
County: N/A Permit #: N/A

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.

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.

Signature: Victor H. Dyal
Title: Manager of Engineering Date: 11/2/2010

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: RJA Dlg Date: 11/8/10

Operator Name: Layne Energy Operating, LLC Lease Name: Metzger Well #: 16J-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 complete copy of all Electric Wire-line 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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, 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 Name _____ Top _____ Datum _____ See Driller's Log
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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	# Sacks Used	Type and Percent Additives
Surface	11"			40'	Class A	16	Type 1 Cement
Producton							

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				RECEIVED NOV. 03 2010 KCC WICHITA

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: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. _____		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain) <u>Plugged 8/27/2010</u>	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls. Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>Plugged 8/27/2010</u>
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Daily Well Work Report

METZGER 16J-34

7/28/2010

Well Location:

WILSON KS
30S-14E-34 N2 SE SE SE
495FSL / 375FEL

Cost Center

G01027400500

Lease Number

G010274

Property Code

KSSY30S14E3416J

API Number

15-205-27844

Spud Date	RDMO Date	First Compl	First Prod	EFM Install	CygnnetID
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7/27/2010 7/29/2010

TD	PBTD	Sf Csg Depth	Pr Csg Depth	Tbg Size	Csg Size
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1262 40 0 0

Reported By KRD

Rig Number

Date

7/27/2010

Taken By KRD

Down Time

Present Operation Set Surface

Contractor

Thornton Rotary

Narrative

MIRU THORNTON DRILLED 11" HOLE 40' DEEP, RIH W/2 JOINTS 8-5/8" SURFACE CASING MIXED 16 SX TYPE 1 CEMENT, DUMPED DOWN THE BACKSIDE. SDFN

RECEIVED

NOV 03 2010

KCC WICHITA

Air Drilling Specialist
Oil & Gas Wells

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

PO Box 449
Caney, KS 67333

Date Started	7/27/2010
Date Completed	7/28/2010

Well No.	Operator	Lease	A.P.I #	County	State
161-34	Layne Energy Operating	Metzger	205-27844-00-00	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
Sean	Oil	8	41' 8 5/8	1262	6 3/4

Formation Record

0-2	DIRT	829-885	SANDY SHALE	1186-1190	SANDY SHALE
2-7	CLAY	885-888	LIME	1190-1198	SHALE
7-79	LIME	888-889	COAL (MULBERRY)	1198-1205	SANDY SHALE
79-167	SHALE	889-925	LIME (PAWNEE)	1205-1207	COAL
167-304	LMY SHALE	912	GAS TEST-SLIGHT BLOW	1207-1262	SHALE
304-430	SAND	925-931	BLK SHALE (LEXINGTON)	1262	TD
361	WENT TO WATER	931-947	SHALE		
430-432	LIME	947-977	SANDY SHALE		
432-447	SHALE	977-1002	LIME (OSWEGO)		
447-463	LIME	1002-1005	SHALE		
463-482	SHALE	1005-1012	BLK SHALE		
482-540	LIME	1012-1021	LIME		
540-551	SHALE	1012	GAS TEST - SAME		
551-571	LIME	1021-1026	BLK SHALE (EXCELLO)		
571-591	SAND	1026-1027	COAL (MULKY)		
591-596	LMY SHALE	1027-1032	LIME		
596-619	LIME	1032-1074	SHALE		
619-624	SHALE	1037	GAS TEST - SAME		
624-657	LIME	1074-1075	COAL (BEVEIR)		
657-714	SHALE	1075-1090	SHALE		
714-717	LIME	1090-1092	LIME		
717-722	LMY SHALE	1092-1094	SHALE		
722-733	LIME	1094-1095	COAL (CROWBERG)		
733-759	SHALE	1095-1109	SAND		
759-768	LIME	1109-1136	SANDY SHALE		
768-770	SHALE	1112	GAS TEST - SAME		
770-778	LIME	1136-1137	COAL		
778-808	SAND	1137-1180	SHALE		
808-820	SANDY SHALE	1180-1183	BLK SHALE		
820-829	SAND	1183-1186	SAND		

RECEIVED

NOV 03 2010

KCC WICHITA