

IND

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

COPY

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33741  
Name: Energex Kansas, Inc. (formerly Midwest Energy, Inc.)  
Address: Commerce Plaza 1 Center, 7300 W. 110th St., 7th Floor  
City/State/Zip: Overland Park, KS 66210  
Purchaser: Plains Marketing, L.P.  
Operator Contact Person: Marcia Littell  
Phone: (913) 693.4608  
Contractor: Name: Kimzey Drilling  
License: 33030  
Wellsite Geologist: David Griffin, RG.

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  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. \_\_\_\_\_

5/23/07 5/24/07 8/27/07  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 045-21310-0000  
County: Douglas

NW NE SE Sec. 6 Twp. 14 S. R. 21  East  West  
2348 FSL 2446 feet from S N (circle one) Line of Section  
1326 FEL 1380 feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW

Lease Name: Thoren Well #: 19  
Field Name: Little Wakarusa

Producing Formation: Squirrel

Elevation: Ground: 900 Kelly Bushing: \_\_\_\_\_

Total Depth: 725' Plug Back Total Depth: 720'

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 720

feet depth to surface w/ 85 sx cmt.

Drilling Fluid Management Plan  
(Data must be collected from the Reserve Pit)

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls

Dewatering method used \_\_\_\_\_

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: Marcia Littell

Title: Compliance Coordinator Date: 3/19/08

Subscribed and sworn to before me this 19<sup>th</sup> day of March

2008

Notary Public: Maureen Eiton

Date Commission Expires: 9/18/2010

Maureen Eiton  
Notary Public State of Kansas  
My Appt Expires 9/18/2010

**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_ RECEIVED  
 Wireline Log Received KANSAS CORPORATION COMMISSION  
 Geologist Report Received **MAR 24 2008**  
 UIC Distribution CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Energex Kansas, Inc. (formerly Midwest Energy, Inc.) Lease Name: Thoren Well #: 19  
 Sec. 6 Twp. 14 S. R. 21  East  West County: Douglas

**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 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			
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

**Gamma Ray/Neutron**

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	9 7/8"	7"	23.0#	41'	Portland	16	
Production	6"	2 7/8"	5.8#	720'	Portland	85	

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 <i>(Amount and Kind of Material Used)</i>	Depth
3 SPF	669-677'	Spot 75 gal. 15% HCL	669-677'
		68 bbls. city H2O W KCL, 14sks 20/40, 9sks 12/20	

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input 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 type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	

Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input 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 type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	

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KANSAS CORPORATION COMMISSION

MAR 24 2008

# Drillers Log

Company : Midwest Energy, Inc.

County: Douglas

Farm: Thoren  
 Well No.: 19  
 API: 15-045-21310-0000  
 Surface Pipe: 41.2'-7"

Sec: 6 Twp: 14 Range: 21  
 Location: 2415' FSL  
 Location: 1300' FEL  
 Spot: NW-NE-SE

T.D. Hole : 725'  
 T.D. on Pipe : 720.30'

Contractor E.K. Energy LLC

Thickness	Formation	Depth	Remarks
8	Soil & clay	8	DRILLED 9 7/8 HOLE SET 41.20' 7" cemented 16 SKS
30	Shale	38	
7	Lime	45	Drilled 5 5/8 Hole
12	Shale	57	Circulate cement to surface
1	Coal	58	Start 5-23-07
2	Shale	60	Finsh 5-25-07
17	Lime	77	
6	Shale	83	Cemented 2 7/8 5-25-07 Good bleed on pit.
9	Lime	92	85 SKS Circulate cement to surface
8	Shale	100	
2	Lime	102	
13	Shale	115	12 shale 566
3	Lime	118	5 lime 571
32	Shale	150	14 shale 585
20	Lime	170	6 lime 591
43	Shale	213	16 shale 607
18	Lime	221	6 lime 613
13	Shale	234	5 shale 618
17	Lime	251	2 lime 620
20	Shale	271	6 shale 626
8	Lime	279	6 lime 632
21	Shale	300	15 shale 647
49	Lime	349	10 lime 657
10	Shale	359	12 shale 669
21	Lime	380	8 OIL SD 677
2	Coal	382	2 shale T.D.
7	Lime	389	
2	Shale	391	
7	Lime	398	
148	Shale	546	
4	OIL SAND (good)	550	
4	Sandy-shale	554	

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AUG 11 2008

CONSERVATION DIVISION  
 WICHITA, KS

## Well Report

Thoren No. 19, Proposed Injector  
CN2 N2 SE4, Section 6, T14S-R21E  
GPS; N 38.86178, W-95.11629  
API No. 045-21310-0000

Spud Date: May 23, 2007  
TD: 725', May 24, 2007  
Estimated Topo GL Elev. 900'

### Geological Tops

Base of the Kansas City	398' (+502)
Wayside Sandstone	546' (+354), 3 to 4' thick
Base of the Fort Scott LS	657' (+243)
Upper Squirrel Sandstone	669' (+231), 9' thick

### Cuttings Descriptions

Wayside Sandstone 546' to 550'

Sandstone, gray, very fine grained, silty, fair porosity in siltstone beds and good porosity in sandstone beds, excellent show of heavy oil, very high oil saturations and abundant bleeding, sample bags are completely coated with oil residue where cuttings were in contact, calcareous, driller reports that the well made oil for the next 20 feet and completely covered the pit.

Upper Squirrel Sandstone 669' to 678'

669' to 674';

Sandstone, 80 %, dark gray, very fine grained, soft and very porous, contains harder tighter interbeds of siltstone, could be a ripple laminated zone, excellent show of black oil, good dull odor, cuttings bleed readily and cover the sample bag well.

674' to 678';

Sandstone, 60 %, gray to dark gray, very fine grained, fairly soft and porous, contains hard tighter interbeds of siltstone, good show of black oil in sandstone, good dull odor, sandstone cuttings bleed readily.

Due to the very good showing of oil, casing was set and cemented to flood the Upper Squirrel sandstone in this well.

Respectfully Submitted,

  
David Griffin, RG

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MAR 24 2008

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WICHITA, KS