



KANSAS CORPORATION COMMISSION 1100776  
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 # 34506  
Name: Empire Energy E&P, LLC  
Address 1: 1900 N. Amidon, Ste 210  
Address 2:  
City: WICHITA State: KS Zip: 67203  
Contact Person: Rob Kramer  
Phone: (316) 313-4395  
CONTRACTOR: License # 33323  
Name: Petromark Drilling, LLC  
Wellsite Geologist: James Musgrove  
Purchaser: CVR

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 #:  
08/22/2012 08/28/2012 09/05/2012  
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 15-185-23762-00-00  
Spot Description:  
NW\_NW\_SW\_NE Sec. 3 Twp. 22 S. R. 12  East  West  
1520 Feet from  North /  South Line of Section  
2350 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Stafford  
Lease Name: SIEFKES Well #: A-13  
Field Name:  
Producing Formation: Arbuckle  
Elevation: Ground: 1849 Kelly Bushing: 1854  
Total Depth: 3723 Plug Back Total Depth: 3663  
Amount of Surface Pipe Set and Cemented at: 682 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: 4000 ppm Fluid volume: 1120 bbls  
Dewatering method used: Hauled to Disposal  
Location of fluid disposal if hauled offsite:  
Operator Name: Empire Energy E&P, LLC  
Lease Name: Siefkes License #: 34506  
Quarter NE Sec. 3 Twp. 22 S. R. 12  East  West  
County: Stafford Permit #: 0000

**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 Gansol Date: 11/21/2012



1100776

Operator Name: Empire Energy E&P, LLC

Lease Name: SIEFKES Well #: A-13

Sec. 3 Twp. 22 S. R. 12  East  West

County: Stafford

**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  No  Log Formation (Top), Depth and Datum  Sample  
(Attach Additional Sheets)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No

Electric Log Submitted Electronically  Yes  No

(If no, Submit Copy)

List All E. Logs Run:

Attached

Name	Top	Datum
Heebner	3119	-1265
Toronto	3139	-1285
Brown Lime	3254	-1400
Lansing	3271	-1417
Viola	3508	-1654
Simpson Shale	3547	-1693
Arbuckle	3603	-1749

CASING RECORD  New  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	12.25	8.625	23	682	common	400	2% gel, 3% CC, 1/2#/sk flow sea
Production	7.875	5.5	14	3713	AA	200	10% salt, 3% CFA, 25% defoamer, 8%

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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	
4	3620-3621		3620-3621	

TUBING RECORD: Size: 2.875 Set At: 3663 Packer At: Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. 09/13/2012 Producing Method:  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	9	0	441		40

DISPOSITION OF GAS:

Vented  Solid  Used on Lease

(If vented, Submit ACO-18.)

METHOD OF COMPLETION:

Open Hole  Perf.  Dually Comp.  Commingled  
(Submit ACO-5) (Submit ACO-4)  
 Other (Specify)

PRODUCTION INTERVAL:

3620  
3621

Form	ACO1 - Well Completion
Operator	Empire Energy E&P, LLC
Well Name	SIEFKES A-13
Doc ID	1100776

All Electric Logs Run

Micro
Sonic
Dual Induction
Compensated Density/Neutron/PE

# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 5027

Date	8-23-12	Sec.	3	Twp.	22	Range	12	County	Stafford	State	Ks	On Location		Finish	10:00 AM	
Lease	Siefkes	Well No.	A-13		Location 281 + K-19 - 7E to 70th, 1N, 1/2 W											
Contractor	Petcomark #2				Owner S/Intb											
Type Job	Surface				To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.											
Hole Size	12 1/4"		T.D.		687'											
Csg.	8 5/8"		Depth		687'											
Tbg. Size			Depth		Charge To Empire Energy											
Tool			Depth		Street											
Cement Left in Csg.	42'		Shoe Joint		42'											
Meas Line			Displace		41 BLS											
<b>EQUIPMENT</b>												2% Gel 1/2 # Fib-seal				
Pumptrk	9	No.	Cementer	Matt												
Bulktrk	13	No.	Driver	Doney												
Bulktrk	14	No.	Driver	Rick												
<b>JOB SERVICES &amp; REMARKS</b>												Common 400				
Remarks:	Cement did Circulate													Poz. Mix		
Rat Hole														Gel. 8		
Mouse Hole														Calcium 1/4		
Centralizers														Hulls		
Baskets														Salt		
D/V or Port Collar														Flowseal 200#		
														Kol-Seal		
														Mud CLR 48		
														CFL-117 or CD110 CAF 38		
														Sand		
														Handling 454		
														Mileage		
<b>FLOAT EQUIPMENT</b>																
														Guide Shoe		
														Centralizer		
														Baskets		
														AFU Inserts		
														Float Shoe		
														Latch Down		
														1 - Rubber plug		
														1 - Baffle plug		
														Pumptrk Charge Long Surface		
														Mileage 24		
<b>Signature</b>												Tax				
<i>Ruby Perry</i>												Discount				
												Total Charge				

# BASIC

energy services, L.P.

## TREATMENT REPORT

Customer Empire Energy ETP LLC		Lease No.		Date 8-28-12	
Lease SIES HES		Well # A-13			
Field Order # 6723	Station Pratt	Casing 57	Depth 3713	County Stafford	State KS
Type Job CNW-5 1/2 L.S.			Formation	Legal Description 3-22-12	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
57 1/4			200	AA2 Con			5 Min.	
Depth 3713	Depth	From	To	Pre Pad	Max		10 Min.	
Volume 70.6	Volume	From	To	Pad	Min		15 Min.	
Max Press 1500	Max Press	From	To	Frac	Avg		Annulus Pressure	
Well Connection	Annulus Vol.	From	To		HHP Used		Total Load	
Plug Depth 3713	Packer Depth	From	To	Flush 89.5	Gas Volume			

Customer Representative Rick Popp	Station Manager Dana Scott	Treater Steve Wilcox
Service Units 27285 19987 19243 70954 19917		
Driver Names Wilcox McLean Rood		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
8:00 AM					On location Safety meeting
					Run 8 3/8" 5 1/2" 11 1/4" (27 55.40')
					Centralizers 1-3-5-7-9-11-13-15-17-19
					Basket Pin Off 7" #16 3037'
					Casing on Bottom Break Circ w/Key
					Retain Casing
11:00 AM	300		20	5	270 KCL Water
11:05	300		12	5	Mud Flush
11:06	300		5	5	H2O Spacer
11:07	250		42.11	5	With 200 sacks AA2 Con @ 15.5#/c
					Wash Pump Line Release plus
11:22	0		0	6	Start H2O Displacement w/ 700 KCL
11:29	300		50	5	Loss Pressure
11:35	600		80	4	Slow Rate - Stop Retention
11:38	1500		89 1/2	4	Plug Down - Hold
12:00			6		Mix 300 gal AA2 for R Hold
					Circulation This Job
					Sub Completion
					Thank you Steve