



KANSAS CORPORATION COMMISSION 1069262
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: 17 ARENTZEN BLVD, STE 203
Address 2: _____
City: CHARLEROL State: PA Zip: 15022 + _____
Contact Person: Robert Kramer
Phone: (316) 313-4395
CONTRACTOR: License # 33493
Name: American Eagle Drilling LLC
Wellsite Geologist: James Musgrove
Purchaser: Coffeyville Crude

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 #: _____

08/06/2011	08/11/2011	08/22/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-009-25582-00-00
Spot Description: _____
SW SW NE NE Sec. 28 Twp. 16 S. R. 11 East West
1100 Feet from North / South Line of Section
1220 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Barton
Lease Name: ESFELD Well #: 9
Field Name: _____
Producing Formation: Arbuckle
Elevation: Ground: 1904 Kelly Bushing: 1911
Total Depth: 3430 Plug Back Total Depth: 3382
Amount of Surface Pipe Set and Cemented at: 752 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: 16000 ppm Fluid volume: 720 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite: _____
Operator Name: Empire Energy
Lease Name: Esfeld License #: 0
Quarter NE Sec. 28 Twp. 16 S. R. 11 East West
County: Barton Permit #: 0

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: 12/08/2011



1069262

Operator Name: Empire Energy E&P, LLC Lease Name: ESFELD Well #: 9
 Sec. 28 Twp. 16 S. R. 11 East West County: Barton

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 checked="" type="checkbox"/> Yes <input 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Attached	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Attached Attached Attached
---	--

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	12.25	8.625	23	752	common	300	2% Gel, 3% CaCl ₂ , 1/4 #/sk Eow-ess
Production	7.875	5.5	14	3428	AA-2	175	10% NaCl, 3% CFR, 25% defoamer, 8

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 (Amount and Kind of Material Used)	Depth
4	3322 - 3323	150 gals. 15% HCl	3322 - 3323

TUBING RECORD: Size: <u>2.875</u> Set At: <u>3378</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR: <u>08/26/2011</u>	Producing Method: <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. <u>49.2</u>	Gas Mcf _____ Water Bbls. <u>83.7</u> Gas-Oil Ratio _____ Gravity <u>42</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-1B.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" 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>3322</u> <u>3323</u>
---	---	--

Form	ACO1 - Well Completion
Operator	Empire Energy E&P, LLC
Well Name	ESFELD 9
Doc ID	1069262

All Electric Logs Run

Dual Compensated Porosity Log
Dual Induction Log
Microresistivity Log
Borehole Compensated Sonic Log
Dual Receiver Cement Bond Log

Form	ACO1 - Well Completion
Operator	Empire Energy E&P, LLC
Well Name	ESFELD 9
Doc ID	1069262

Tops

Tops		
Anhydrite	741	1170
Base Anhydrite	769	1142
Heebner	2932	-1021
Toronto	2949	-1038
Douglas	2963	-1052
Brown Lime	3030	-1119
Lansing	3049	-1138
Base Kansas City	3318	-1407
Arbuckle	3322	-1411

QUALITY OILWELL CEMENTING, INC.

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

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

No. 5067

Date	8-7-11	Sec.	28	Twp.	110	Range	11	County	Butler	State	Kansas	On Location		Finish	3:15 PM
Lease	Esfield	Well No.	9	Location Beaver 7E 4S											
Contractor	American Eagle Drilling Rig 2												Owner	To Quality Oilwell Cementing, Inc.	
Type Job	Sutbey												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.	756												
Csg.	8 3/8	23 1/2	Depth	752											
Tbg. Size													Charge To	Empire Energy	
Tool													Street		
Cement Left in Csg.	19'												City	State	
Meas Line													The above was done to satisfaction and supervision of owner agent or contractor.		
	Shoe Joint												Cement Amount Ordered	300 Common	
	Displace 4 1/2 3 Bbl														

EQUIPMENT

Pumptrk	5	No.	Cementer	Steve	3900 29.6hd
			Helper		Common 300
Bulktrk	10	No.	Driver	Long	Poz. Mix
			Driver		Gel. 6
Bulktrk		No.	Driver		Calcium 11
			Driver		

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand
	Handling 317
	Mileage

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	Ball Plate
	Rubber Plug
	Pumptrk Charge Long Surface
	Mileage 34

X Signature *Todd E. Miller*

Tax
Discount
Total Charge

Customer <i>EMPIRE ENERGY E.P.</i>	Lease No.	Date <i>08-12-11</i>
Lease <i>857619</i>	Well#	
Field Order # <i>4181</i>	Station <i>PRATH KC</i>	Casing <i>3 1/2</i>
Type Job <i>CNW 5 1/2 Limestone</i>	Depth <i>3431</i>	County <i>BARTON</i>
	Formation	State <i>KS</i>
		Legal Description <i>28-16-11</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>3 1/2</i>				Pre Pad	Max		5 Min.	
Depth <i>3431</i>	Depth	From	To	Pad	Min		10 Min.	
Volume <i>83</i>	Volume	From	To	Frac	Avg		15 Min.	
Max Press <i>1,500</i>	Max Press	From	To		HHP Used		Annulus Pressure	
Well Connection <i>PC</i>	Annulus Vol.	From	To	Flush	Gas Volume		Total Load	
Plug Depth <i>3228 89</i>	Packer Depth	From	To					

Customer Representative	Station Manager <i>DAVE SCOTT</i>	Treater <i>Robert [Signature]</i>
Service Units <i>27900 23205 20920 19831 19867</i>		
Driver Names <i>Gulham mck - McCadey</i>		

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
<i>1:00</i>					<i>on hic soft, mcp</i>
					<i>Run 87 - 5 1/4" 14 csg.</i>
					<i>csg set 2430 2.11 of bottom</i>
<i>2:15</i>					<i>csg on bottom</i>
<i>2:30</i>					<i>Wook P. to circ.</i>
<i>3:30</i>	<i>300</i>		<i>20</i>	<i>4</i>	<i>st 20% KCL fluid</i>
			<i>12</i>		<i>st mud fluid</i>
			<i>3</i>		<i>SPACE.</i>
			<i>42</i>	<i>5</i>	<i>mix cmt 175 cc AP-2 cmt</i>
					<i>cmt mix. with pump, lower</i>
					<i>Retros. Plug</i>
				<i>6.</i>	<i>st Disp w/ 20% KCL</i>
	<i>250</i>		<i>52</i>		<i>litt P.</i>
	<i>500</i>		<i>70</i>	<i>4</i>	<i>Slow rate.</i>
<i>4:15</i>	<i>1,800</i>		<i>87</i>		<i>Plug Down</i>
			<i>7</i>		<i>plug P.H w/ 30 cc</i>
					<i>30B complete</i>
					<i>[Signature]</i>



QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 8/9/2011
 Invoice # 5067

P.O.#:
 Due Date: 9/8/2011
 Division: *Russell*

Invoice

Contact:
EMPIRE ENERGY
 Address/Job Location:
EMPIRE ENERGY
 PO Box 548
 Great Bend Ks 67530

Reference:
 ESFIELD 9 26-16-11

Esfield #9 AFE

Description of Work:
 LONG SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor							
Common-Class A	300						
Bulk Truck Mat-Material Service Charge	317						
Calcium Chloride	11						
Pump Truck Mileage-Job to Nearest Camp	34						
Bulk Truck Mileage-Job to Nearest Bulk Plant	34						
8 5/8" Top Rubber Plug	1						
Premium Gel (Bentonite)	6						
Baffle Plate Aluminum, 8 5/8"	1						

Invoice Terms:

Net 30

SubTotal:

Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice:

SubTotal for Taxable Items:

SubTotal for Non-Taxable Items:

Total:

Tax:

Amount Due:

Applied Payments:

Balance Due:

7.30% Barton County Sales Tax

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
 ©2008-2013 Straker Investments, LLC. All rights reserved.

*#9208
 ok
 Kim
 8-10-11*

APPROVED AUG 12 2011

RSK



PAGE 1 of 1	CUST NO 1007035	INVOICE DATE 08/18/2011
INVOICE NUMBER 1718 - 90676188		

Pratt (620) 672-1201

B EMPIRE ENERGY E&P LLC
I PO BOX 548
L GREAT BEND
L KS US 67530
T
O ATTN:

J LEASE NAME Esfeld 9 **AFE**
O LOCATION
B COUNTY Barton
S STATE KS
I JOB DESCRIPTION Cement-New Well Casing/Pi
T JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40358070	20920		Net - 30 days	09/17/2011
For Service Dates: 08/12/2011 to 08/12/2011				
0040358070				
171804781A Cement-New Well Casing/Pi 08/12/2011 5 1/2" Longstring				
AA2 Cement		175.00	EA	
60/40 POZ		50.00	EA	
De-foamer (Powder)		33.00	EA	
Salt (Fine)		804.00	EA	
Gas-Blok		124.00	EA	
FLA-322		83.00	EA	
Gilsonite		875.00	EA	
CS-1L KCL Substitute		5.00	EA	
Mud Flush		500.00	EA	
Latch Down Plug & Baffle 5 1/2" (Blue)		1.00	EA	
Auto Fill Float Shoe 5 1/2" (Blue)		1.00	EA	
Turbolizer 5 1/2" (Blue)		10.00	EA	
5 1/2" Basket (Blue)		1.00	EA	
Unit Mileage Charge-Pickups, Vans & Cars		75.00	HR	
Heavy Equipment Mileage		150.00	MI	
Proppant and Bulk Delivery Charges		780.00	MI	
Depth Charge; 3001-4000'		1.00	HR	
Blending & Mixing Service Charge		225.00	MI	
Plug Container Utilization Charge		1.00	EA	
Casing Swivel Rental		1.00	EA	
Supervisor		1.00	HR	

APPROVED AUG 26 2011
9208 RSK
OK
Kim
823-11

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX
PO BOX 841903	PO BOX 10460	INVOICE TOTAL
DALLAS, TX 75284-1903	MIDLAND, TX 79702	

AAA note to mobile file

JAMES C. MUSGROVE

Petroleum Geologist
212 Main Street
P.O. Box 215
Claflin, KS 67525

Office (620) 588-4250

Res. Claflin (620) 587-3444

Empire Energy E&P LLC
Esfeld #9
SW-SW-NE-NE; Section 28-16s-11w
Barton County, Kansas
Page 1

5 1/2" Production Casing Set

Contractor: American Eagle Drilling Company (Rig #2)
Commenced: August 6, 2011
Completed: August 11, 2011
Elevation: 1911' K.B; 1909 D.F; 1904' G.L.
Casing program: Surface; 8 5/8" @ 752'
Production; 5 1/2" @ 3429'
Sample: Samples saved and examined 2700' to the Rotary Total Depth.
Drilling time: One (1) foot drilling time recorded and kept 2700 ft to the Rotary Total Depth.
Measurements: All depths measured from the Kelly Bushing.
Drill Stem Tests: None.
Electric Log: By Log Tech; Dual Induction, Dual Compensated Porosity Log, Micro and Sonic Logs.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	741	+1170
Base Anhydrite	769	+1142
Heebner	2932	-1021
Toronto	2949	-1038
Douglas	2963	-1052
Brown Lime	3030	-1119
Lansing	3049	-1138
Base Kansas City	3318	-1407
Arbuckle	3322	-1411
Rotary Total Depth	3430	-1519
Log Total Depth	3430	-1519

(All tops and zones corrected to Electric Log measurements).

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

TOPEKA SECTION

2874-2884' Limestone; cream, tan, finely crystalline, fossiliferous, chalky, poor intercrystalline porosity, gray and black stain, trace of free oil (heavy, black) and no odor in fresh samples.

TORONTO SECTION

2949-2960' Limestone; cream, gray, fine and medium crystalline, chalky, few fossiliferous, dark brown stain, and black stain, no show of free oil and no odor in fresh samples.

LANSING SECTION

- 3051-3060' Limestone; cream, tan, oolitic in part, chalky, scattered pinpoint porosity, brown stain, trace of free oil and faint odor in fresh samples.
- 3088-3097' Limestone; cream, tan, oolitic, sub oomoldic, light brown stain, no show of free oil and no odor.
- 3094-3100' Limestone; cream, tan, oolitic, few sub oomoldic, dead black stain, no show of free oil and faint odor in fresh samples.
- 3112-3116' Limestone; white, cream, chalky, no shows.
- 3122-3130' Limestone; white, cream, gray, oolitic, chalky, spotty stain, no show of free oil and faint odor in fresh samples.
- 3135-3150' Limestone; cream, tan, gray, oomoldic, fair oomoldic porosity, chalky, brown stain, show of free oil and faint odor.
- 3150-3172' Limestone; as above, decreasing show.
- 3192-3200' Limestone; cream, tan, gray, oomoldic, chalky in part, light brown stain, no show of free oil, no odor.
- 3211-3220' Limestone; cream, tan, oolitic, oomoldic in part, light brown stain, trace of free oil and no odor in fresh samples.
- 3220-3240' Limestone; white, cream, oolitic, fossiliferous, chalky, few oomoldic, scattered porosity, no shows.
- 3275-3288' Limestone; cream, tan, oolitic/fossiliferous, few sub oomoldic, light brown stain, no show of free oil and no odor in fresh samples.
- 3298-3316' Limestone; cream, tan, buff, chalky, few cherty, no shows.

ARUBCKLE SECTION

- 3322-3340' Dolomite; white, cream, fine and medium crystalline, fair intercrystalline porosity, brown/dark brown stain, show of free oil and fair to good odor in fresh samples.
- 3340-3350' Dolomite; cream, tan, fine to coarse crystalline, fair porosity, brown stain, trace of free oil and good odor in fresh sample.
- 3350-3370' Dolomite; white, cream, fine and medium crystalline, fair intercrystalline porosity, light brown stain, show of free oil and fair odor in fresh samples.
- 3370-3390' Dolomite; as above, decreasing stain, no show of free oil and no odor in fresh samples.
- 3390-3410' Dolomite; cream, white, fine and medium crystalline, fair intercrystalline and vuggy porosity, poor light brown stain, no show of free oil and no odor in fresh samples.
- 3410-3430' Dolomite; white/cream, fine and medium crystalline, chalky luster, fair intercrystalline porosity, no shows.

Empire Energy E&P LLC
Esfeld #9
SW-SW-NE-NE; Section 28-16s-11w
Barton County, Kansas
Page 3

Rotary Total Depth 3430 (-1519)
Log Total Depth 3430 (-1519)

Recommendations:

5 ½" production casing was set and cemented.

Respectfully submitted;

Kurt Talbott
Kurt Talbott
Petroleum Geologist