



KANSAS CORPORATION COMMISSION 1063160
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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

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 #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

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: _____ Date: _____



1063160

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input 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

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 Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	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	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Empire Energy E&P, LLC
Well Name	Newcomer C L 9
Doc ID	1063160

All Electric Logs Run

micro
sonic
dual induction
compensated neutron/density PE
compensated neutron/density PE (sandstone matrix)
Cement Bond

Form	ACO1 - Well Completion
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Tops

Name	Top	Datum
Anhydrite	827	1010
Tarkio Lime	2355	-518
1st Tarkio Sand	2365	-528
Dover	2382	-545
2nd Tarkio Sand	2391	-554
Tarkio Lime	2430	-593
Elmont	2491	-654
Scranton Shale	2578	-741
Howard	2633	-796
Severy Shale	2626	-839
Topeka	2695	-858
Heebner	2926	-1089
Toronto	2944	-1107
Lansing	2983	-1146
Base Kansas City	3189	-1352
Reagan Sand	3251	-1414
Granite Wash	3317	-1480

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Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
2	3252-3256		3252-3256
	CIBP		3240
3	2948-2950	2400 gals of 15% HCl and ball sealers	
3	3007-3011		
3	3026-3030		
3	3037.5-3038.5		
3	3116-3118		
3	3134-3136		
3	3151-3152		
3	3171-3172		
3	3176-3178		

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 4661

Date	Sec.	Twp.	Range	County	State	On Location	Finish
6-9-11				Russell	Kansas		9/12/11
Lease <i>Newcomer 02</i>	Well No. <i>9</i>		Location <i>Russell 15 1/2 E Side</i>				
Contractor <i>American Eagle Rig 3</i>				Owner 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.			
Type Job <i>Surface</i>				Charge To <i>Empire Energy</i>			
Hole Size <i>12 1/2</i>	T.D. <i>834</i>		Street				
Csg. <i>8 3/8 2.31</i>	Depth <i>831</i>		City				
Tbg. Size	Depth		State				
Tool <i>Baffle Plate</i>	Depth <i>788</i>		The above was done to satisfaction and supervision of owner agent or contractor.				
Cement Left in Csg.	Shoe Joint		Cement Amount Ordered <i>320 Common</i>				
Meas Line	Displace <i>50 Bbl</i>		Cement Amount Ordered <i>320 Common</i>				
EQUIPMENT							
Pumptrk <i>9</i>	No.	Cementer	Common <i>320</i>				
		Helper					
Bulktrk <i>7</i>	No.	Driver	Poz. Mix				
		Driver					
Bulktrk	No.	Driver	Gel. <i>6</i>				
		Driver	Calcium <i>11</i>				
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			
<i>Cement did Circulate</i>				Handling <i>331</i>			
				Mileage			
				FLOAT EQUIPMENT			
				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				<i>Baffle Plate</i>			
				<i>8 3/8 Rubber Plug</i>			
				Pumptrk Charge <i>Long Surface</i>			
				Mileage <i>2</i>			
				Tax			
				Discount			
				Total Charge			
Signature <i>Bradford Parker</i>							



BASICSM

ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

1718 03924 A

DATE _____ TICKET NO. _____

DATE OF JOB: 6-14-11		DISTRICT: Kansas		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/>		CUSTOMER ORDER NO.:				
CUSTOMER: Empire Energy S&P LLC				LEASE: Newcomber CL		WELL NO. 9				
ADDRESS:				COUNTY: Russell 10-14-14 STATE: Kansas						
CITY:				STATE:						
AUTHORIZED BY:				SERVICE CREW: Allen						
JOB TYPE: 5 1/2" Long Strings				CWW						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
28442 PH	2					6-13-11				030
37463 PF	2					ARRIVED AT JOB	6-14-11			1200
19960-19918	2					START OPERATION	6-14-11			330
						FINISH OPERATION	6-14-11			530
						RELEASED	6-14-11			630
						MILES FROM STATION TO WELL	75-miles			

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: [Signature]
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP225	AA 2 cement	SK	200	18.00	\$ 3400.00
CP103	60/110 P2	SK	50	12.00	\$ 600.00
CC105	DeFonger Powder	lb	38	4.27	\$ 162.26
CC111	SALT Fine	lb	916	0.50	\$ 458.00
CC115	Gas Blok	lb	141	5.15	\$ 726.15
CC129	FIA-322	lb	94	7.43	\$ 705.00
CC201	Gilsonite	lb	1000	0.67	\$ 670.00
CF607	Latch down Plug + Baffle 5/8 Blue	EA	EA-1	400.00	\$ 400.00
CF1251	Auto Fill Float Shoe 5/8 Blue	FA	EA-1	360.00	\$ 360.00
CF1651	Turbolizer 5/8 Blue	EA	10	110.00	\$ 1100.00
CF1901	Basket 5/8"	EA	2	290.00	\$ 580.00
CT04	CS-1K KCL Sub.	GAL	5	35.00	\$ 175.00

SUB TOTAL

DL5

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE: <u>[Signature]</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>[Signature]</u>
FIELD SERVICE ORDER NO. _____	(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

Customer Empire Energy Services LLC	Lease No.	Date 6-14-11
Lease Newcomb ^{NE} CL	Well # 3337	
Field Order # 07824A	Station Pratt KS	Casing 5/2"
		Depth 15.3'
Type Job 5/2" Long string	Formation NW 10 3340	County Russell
		State KS
		Legal Description 10-14-14

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 2 1/2"	Tubing Size	Shots/Ft		Acid 200SKs 60/40 Poz @ Scavenger	RATE	PRESS	ISIP	
Depth 3337	Depth	From	To	Pre Pad 300SKs AA2 @ 15.3'	Max		5 Min.	
Volume 80	Volume	From	To	Pad 300SKs 60/40 Poz Plus Rat Hole.	Min		10 Min.	
Max Press 1500#	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection PL	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 3334	Packer Depth	From	To	Flush Disp 2 1/2 KCL	Gas Volume		Total Load	

Customer Representative Rich Poop	Station Manager Scotty	Treater Allen
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Service Units 24443 27463 19960 19918	Driver Names Allen Lucas Jarrod Brungardt
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
12:00 AM					20600. Discuss Safety Setup Plan
12:30 AM					Out of Hole w/ Bit
					Rig up to Run 5/2 casing, 411.72 lbs. @ 2877.01' 14" pipe.
12:5 PM					Start casing. Shoe Joint 47.07 w/ Float Shoe - L.O. Baffle in collar cent. 1-3-5-7-9-11-13-15-17-19 Baskets pin #3 - pin #10
3:30					Casing @ 3337 1600Kup + cir + Rotate Pipe good cir.
4:30	200#		5	5	Mix 200SKs 60/40 Poz. 2 1/2 gal Scavenger @ 12.5" w/ chloriox
			48 1/2	5	Mix 200SKs AA2 @ 15.3'
					Finish mixing cont. Washout Pumpkin
4:47					6 1/2 Drop Plug. L.O. Start Disp. Rotate
					6 caught lift PSJ w/ 45 Bbls out
5:00	500#		80	4 1/2	Plug down
	0#				Release PSJ OK
					Plug Rat Hole w/ 300SKs 60/40.
					Washup equip.
					Job complete
					Thanks Allen, Lucas, Jarrod.

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
C.L. Newcomer #9
SW-SE-NW-NE (1008' FNL & 1711' FEL)
Section 10-14s-14w
Russell County, Kansas
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5 1/2" Production Casing Set

Contractor: American Eagle Drilling Company (Rig #3)

Commenced: June 8, 2011

Completed: June 13, 2011

Elevation: 1837' K.B; 1835 D.F; 1832' G.L.

Casing program: Surface; 8 5/8" @ 831'
Production; 5 1/2" @ 3339'

Sample: Samples saved and examined 2300' to the Rotary Total Depth.

Drilling time: One (1) foot drilling time recorded and kept 2300 ft to the Rotary Total Depth.

Measurements: All depths measured from the Kelly Bushing.

Drill Stem Tests: None.

Electric Log: By Superior Well Services; Dual Induction, Compensated Neutron/Density, Micro and Sonic Log.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	827	+1010
Tarkio Lime	2355	-518
1 st Tarkio Sand	2365	-528
Dover	2382	-545
2 nd Tarkio Sand	2391	-554
Tarkio Lime	2430	-593
Elmont	2491	-654
Scranton Shale	2578	-741
Howard	2633	-796
Severy Shale	2626	-839
Topeka	2695	-858
Heebner	2926	-1089
Toronto	2944	-1107
Lansing	2983	-1146
Base Kansas City	3189	-1352
Reagan Sand	3251	-1414
Granite Wash	3317	-1480
Rotary Total Depth	3340	-1503
Log Total Depth	3340	-1503

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

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

1ST TARKIO SAND SECTION

2365-2376' Sand; gray and grayish green, very fine grained, micaceous, sub rounded, friable, scattered porosity, trace brown stain, trace of free oil and no odor in fresh samples.

2ND TARKIO SAND SECTION

2391-2405' Sand; gray, very fine grained, sub rounded, friable, fair to good intergranular porosity, fair stain and saturation, show of free oil and odor in fresh samples.

3RD TARKIO SAND SECTION

2452-2580' Sand; gray, very fine grained, micaceous, shaley, poor visible porosity, trace stain, trace of free oil and no odor in fresh samples (poor developments).

SCRANTON SECTION

2602-2607' Sand; gray and dark gray, very fine grained, micaceous, poor visible porosity, questionable stain, no show of free oil and no odor in fresh samples (poorly developed).

TOPEKA SECTION

2695-2705' Limestone; tan, chalky, scattered pinpoint porosity, fair stain and saturation, show of free oil and faint odor in fresh samples.

2717-2723' Limestone; as above, slightly dolomitic, fair stain and saturation, trace of free oil and faint odor in fresh samples.

2735-2741' Limestone; tan, gray, fossiliferous/oolitic, fair to good porosity, good stain and saturation, show of free oil and questionable odor in fresh samples.

2875-2786' Limestone; tan, finely oolitic, fair porosity, good stain and saturation, good show of free oil and fair odor in fresh samples.

2891-2910' Limestone; as above, finely oolitic, fine vuggy to oomoldic type porosity, good stain and saturation, show of free oil and fair odor in fresh samples.

TORONTO SECTION

2944-2950' Limestone; tan, cream, oomoldic, fair oomoldic porosity, good stain and saturation, fair show of free oil and faint odor in fresh samples.

LANSING SECTION

2984-2990' Limestone; white, tan, fine and medium crystalline, chalky, trace brown stain, trace of free oil and no odor in fresh samples.

3007-3012'	Limestone; gray, oolitic, fossiliferous, scattered porosity, dark brown stain and saturation, show of free oil and odor in fresh samples
3025-3032'	Limestone; tan, fossiliferous, oomoldic, fair to good vuggy type porosity, golden brown stain, show of free oil and questionable odor.
3061-3064'	Limestone; tan and gray, fossiliferous/oomoldic, fair porosity, trace free oil and faint odor.
3084-3089'	Limestone; gray, oolitic, poor to fair porosity, brown stain, trace of free oil and faint odor.
3084-3100'	Limestone; tan, oomoldic, good oomoldic porosity, poor edge staining, no show of free and odor in fresh samples.
3131-3136'	Limestone; tan, fossiliferous/oomoldic, fair oomoldic porosity, dark brown to brown stain, show of free oil and odor in fresh samples.
3149-3159'	Limestone; gray, finely oolitic, fossiliferous, fair pinpoint porosity, and fossil cast porosity, brown and light brown stain, show of free oil and faint odor in fresh samples.
3166-3170'	Limestone; as above, few medium crystalline, chalky, trace stain, show of free oil and faint odor in fresh samples.

MARMATON SECTION

3205-3220'	Limestone; white and gray, fossiliferous, chalky, poor visible porosity, poor stain, trace of free oil and questionable odor in fresh samples.
3251-3260'	Sand; white, clear, quartzitic, sub rounded, medium grained, friable, fair intergranular porosity, trace stain, show of free oil and odor fresh samples.
3260-3280'	Sand; clear, white, fine and medium grained, sub rounded, sub angular, friable, fair sorting, fair to good intergranular porosity, good stain and saturation, show of free oil and strong odor in fresh samples.
3280-3290'	Sand; as above, and loose angular quartz grains.
3290-3317'	Sand; pink and white, clear, very fine and medium grained, sub rounded, friable, decreasing stain and show, and good odor in fresh samples, plus white chalk and tan chert.

GRANITE WASH SECTION

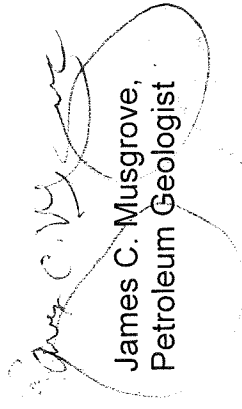
3317-3340'	Abundant loose rounded quartz grains, and clear angular quartz and mica.
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Rotary Total Depth **3340**
Log Total Depth **3340**

Empire Energy E & P, LLC
C.L. Newcomer #9
SW-SE-NW-NE (1008' FNL & 1711' FEL)
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Recommendations:

5 1/2" production casing was set and cemented.
Respectfully submitted;


James C. Musgrove,
Petroleum Geologist

