



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: _____



1065073

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
---	---

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
-----------------------------------	-----------	---------	-------------	---------------	---------

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
---	---	--

Form	ACO1 - Well Completion
Operator	Empire Energy E&P, LLC
Well Name	CARMICHAEL-KOLLMAN W. UNIT 4
Doc ID	1065073

All Electric Logs Run

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

Form	ACO1 - Well Completion
Operator	Empire Energy E&P, LLC
Well Name	CARMICHAEL-KOLLMAN W. UNIT 4
Doc ID	1065073

Tops

Name	Top	Datum
Anhydrite	1131	756
Base Anhydrite	1167	720
Topeka	2827	-940
Heebner	3054	-1167
Toronto	3076	-1189
Lansing	3098	-1211
Base Kansas City	3332	-1445
1st Simpson	3350	-1463
2nd Simpson	3365	-1478
Arbuckle	3386	-1499



PO BOX 31 Russell, KS 67665

INVOICE

Invoice Number: 128006

Invoice Date: Jul 19, 2011

Page: 1

Voice: (785) 483-3887

Fax: (785) 483-5566

Bill To:
 Empire Energy
 c/o Randy Weigel
 P O Box 187
 Plainville, KS 67663

Federal Tax I.D.#: 20-5975804

Customer ID	Well Name# or Customer P.O.	Payment Terms
EmpiEne	CrmchlKillmnWUn#4 <i>AFF</i>	Net 30 Days
Job Location	Camp Location	Service Date
KS2-01	Russell	Jul 14, 2011
		Due Date
		8/18/11

Quantity	Item	Description	Unit Price	Amount
270.00	MAT	Class A Common	16.25	4,387.50
180.00	MAT	Pozmix	8.50	1,530.00
7.00	MAT	Gel	21.25	148.75
14.00	MAT	Chloride	58.20	814.80
471.00	SER	Handling	2.25	1,059.75
30.00	SER	Mileage 471 sx @.11 per sk per mi	51.81	1,554.30
1.00	SER	Surface	1,925.00	1,925.00
60.00	SER	Pump truck Mileage	7.00	420.00
60.00	SER	Light Vehicle Mileage	4.00	240.00
1.00	EQP	8.5/8 Baffle Plate	84.00	84.00
1.00	EQP	8.5/8 Solid Rubber Plug	79.00	79.00
1.00	CEMENTER	Shane Poche		
1.00	CEMENTER	Heath Long		
1.00	CEMENTER	Glenn Ginther		
1.00	OPER ASSIST	Woody O'Neil		
1.00	EQUIP OPER	Ron Bennett		
1.00	OPER ASSIST	Walter Keith		

APPROVED AUG 08 2011
Randy Weigel
RSK 9/208

Subtotal	12,243.10
Sales Tax	443.78
Total Invoice Amount	12,686.88
Payment/Credit Applied	
TOTAL	12,686.88

ALL PRICES ARE NET, PAYABLE
 30 DAYS FOLLOWING DATE OF
 INVOICE. 1 1/2% CHARGED
 THEREAFTER. IF ACCOUNT IS
 CURRENT, TAKE DISCOUNT OF

\$ 3112.91
 ONLY IF PAID ON OR BEFORE
Aug 13, 2011

RECEIVED AUG 08 2011

ALLIED CEMENTING CO., LLC. 039660

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Russell KS

DATE <u>7-14-2011</u>	TWP. <u>18 N 11 S</u>	RANGE <u>17W</u>	CALLED OUT	ON LOCATION	JOB START <u>17:00</u>	JOB FINISH <u>7:30 PM</u>
CARMICHAEL WEST WHITE LEASE KOLLMAN WELL #	LOCATION <u>Hay's Ks, N. To Rue Rd, Russell KS</u>			COUNTY <u>ELLIS</u>	STATE <u>KANSAS</u>	
OLD OR NEW (circle one)	3/2 E 1/2 S EX 20					

CONTRACTOR American Eagle Rig # OWNER _____

TYPE OF JOB Logging Surface

HOLE SIZE 12 1/4 TD. 1145

CASING SIZE 8 5/8 NEW DEPTH 1142

TUBING SIZE # CSG. DEPTH

DRILL PIPE DEPTH

TOOL BAFFLE Plate DEPTH 1100

PREV. MAX MINIMUM

MEAS. LINE SHOEL JOINT 42.31

CEMENT LEFT IN CSG. 42.31

PERFS.

DISPLACEMENT 70 60L

EQUIPMENT

PUMP TRUCK CEMENTER CATERPILLAR Shane Heath

417 HELPER Wesdy

BULK TRUCK

423 DRIVER ROD - WALTER

BULK TRUCK

_____ DRIVER _____

REMARKS:
Run in 7 IT's New 23 # 8 5/8 CSG.
Set @ 1142. Re-circulate
4 M. x 20 450 SX @ 3% CC - 2% gel
Release TAP. & Displace 70 BR/ H₂O
LAND Plug @ 1000 ft. set Shut IN.
Remot DD Drilling To Surface
THANK'S

CHARGE TO: Empire Energy Exp, LLC

STREET _____

CITY _____ STATE _____ ZIP _____

CEMENT	AMOUNT ORDERED	<u>450</u>	<u>SX 40</u>	<u>3% CC</u>
		<u>2%</u>	<u>GEL</u>	
COMMON	<u>270</u>	@	<u>16.25</u>	<u>4380.75</u>
POZMIX	<u>180</u>	@	<u>8.50</u>	<u>1530.00</u>
GEL	<u>17</u>	@	<u>21.25</u>	<u>361.25</u>
CHLORIDE	<u>17</u>	@	<u>58.20</u>	<u>989.40</u>
ASC		@		
		@		
		@		
		@		
		@		
HANDLING	<u>471</u>	@	<u>21.25</u>	<u>10597.25</u>
MILEAGE	<u>11/16/1 mile</u>	@		<u>1554.36</u>
	TOTAL			<u>94957.10</u>

DEPTH OF JOB		SERVICE	
PUMP TRUCK CHARGE			
EXTRA FOOTAGE			
MILEAGE	<u>60</u>	@	<u>7.00</u>
MANIFOLD	<u>60</u>	@	<u>4.00</u>
		@	
		@	
TOTAL			<u>258.50</u>

PLUG & FLOAT EQUIPMENT	
<u>3/8 Baffle Plate</u>	<u>84.00</u>
<u>11 Solid Rubber Plug</u>	<u>79.00</u>
TOTAL	<u>163.00</u>

SALES TAX (If Any) _____

TOTAL CHARGES 17,245.10

DISCOUNT 50.00 IF PAID IN 30 DAYS

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME _____

SIGNATURE Tom M. M...



PO BOX 31 Russell, KS 67665

Voice: (785) 483-3887
 Fax: (785) 483-5566

INVOICE

Invoice Number: 127938
 Invoice Date: Jul 18, 2011
 Page: 1

Bill To:
 Empire Energy
 c/o Randy Weigel
 P O Box 187
 Plainville, KS 67663

Federal Tax I.D.#: 20-5975804

Customer ID	Well Name# or Customer P.O.	Payment Terms
Emp/Ene	CKWV #4 AFIE	Net 30 Days
Job Location	Camp Location	Service Date
KS2-02	Russell	Jul 18, 2011
		8/17/11

Quantity	Item	Description	Unit Price	Amount
261.00	MAT	Class A Common	16.25	4,241.25
24.00	MAT	Pozmix	8.50	204.00
6.00	MAT	Gel	21.25	127.50
10.00	MAT	Salt	23.95	239.50
71.00	MAT	Flo Seal	2.70	191.70
1,425.00	MAT	Gilsontie	0.89	1,268.25
331.00	SER	Handling	2.25	744.75
30.00	SER	Mileage 331 sx @.11 per sk per mi	36.41	1,092.30
1.00	SER	Long String	2,125.00	2,125.00
60.00	SER	Pump Truck Mileage	7.00	420.00
60.00	SER	Light Vehicle Mileage	4.00	240.00
10.00	EQP	5.5 Turbo Centralizer	60.00	600.00
2.00	EQP	5.5 Basket	236.00	472.00
1.00	EQP	5.5 Latch Down Plug	194.00	194.00
1.00	EQP	5.5 Float Shoe	245.00	245.00
1.00	CEMENTER	Bill Leikam		
1.00	OPER ASSIST	Mark Radkile		
1.00	OPER ASSIST	Walter Keith		
1.00	OPER ASSIST	Tony Pfannenstiel		
		APPROVED AUG 08 2011		
		<i>Randy Weigel</i>		

Subtotal	12,405.25
Sales Tax	490.34
Total Invoice Amount	12,895.59
Payment/Credit Applied	
TOTAL	12,895.59

ALL PRICES ARE NET, PAYABLE
 30 DAYS FOLLOWING DATE OF
 INVOICE. 1 1/2% CHARGED
 THEREAFTER. IF ACCOUNT IS
 CURRENT, TAKE DISCOUNT OF

\$ 2481.05

ONLY IF PAID ON OR BEFORE
Aug 12, 2011

RECEIVED AUG 08 2011

ALLIED CEMENTING CO., LLC. 039754

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Russell

DATE <u>7-7-11</u>	SEC. <u>16</u>	TWP. <u>11</u>	RANGE <u>17</u>	CALLED OUT	ON LOCATION	JOB START COUNTY <u>Woods</u>	JOB FINISH STATE <u>KW</u>
LEASE <u>CKLU</u>	WELL # <u>A</u>	LOCATION <u>HAYS 2N 3E</u>					
OLD OR NEW (Circle one)							

CONTRACTOR American Eagle OWNER

TYPE OF JOB	CEMENT AMOUNT ORDERED
HOLE SIZE <u>7 7/8</u>	
CASING SIZE <u>5 1/2</u>	<u>600# 6940 4% Col 5" to 1" to 16 F10</u>
TUBING SIZE	<u>225 sh. Com 10% Sol 5" 8.1 2 1/2 Col 4 F10</u>
DRILL PIPE	
TOOL	
PRES. MAX	COMMON <u>26.1</u>
MEAS. LINE	POZMIX <u>24</u>
CEMENT LEFT IN CSG. <u>43.23</u>	GEL <u>6</u>
PERFS.	CHLORIDE
DISPLACEMENT <u>85.25 bbls</u>	ASC

EQUIPMENT

PUMP TRUCK # <u>366</u>	CEMENTER <u>Bill</u>
BULK TRUCK # <u>473</u>	HELPER <u>Todd TWS</u>
BULK TRUCK # <u>410</u>	DRIVER <u>Mark R. - walter</u>
	DRIVER <u>Tom</u>

REMARKS:

Pipeport c 3538
Shelton 43.23
Present c 3494.07
Cent of 30 pm 6940 10% Col 5" B.1
46 500# Col follow w/ 225 sh. Com 10% Sol
5" Col. 2" Col
pump plus w/ 854 bbls of water
30 m. Outside

CHARGE TO: Empire Energy & AP LLC

STREET _____ STATE _____ ZIP _____

SERVICE	TOTAL
DEPTH OF JOB	
PUMP TRUCK CHARGE	<u>2125.00</u>
EXTRA FOOTAGE	
MILEAGE <u>60</u>	<u>7.00</u>
MANIFOLD <u>LVM 60</u>	<u>4.00</u>
	<u>8109.25</u>

PLUG & FLOAT EQUIPMENT

<u>10- Turbo Cementum - w</u>	<u>@ 60.00</u>	<u>600.00</u>
<u>2- Baskets</u>	<u>w @ 236.00</u>	<u>472.00</u>
<u>1- Latch down</u>	<u>I @ 194.00</u>	<u>194.00</u>
<u>1- Float shoe</u>	<u>w @ 245.00</u>	<u>245.00</u>
		<u>TOTAL 1511.00</u>

To Allied Cementing Co., LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____
TOTAL CHARGES 26 IF PAID IN 30 DAYS
DISCOUNT _____

PRINTED NAME _____

SIGNATURE Andy Papp

JAMES C. MUSGROVE
Petroleum Geologist
212 Main Street
P.O. Box 215
Claffin, KS 67525

Office (620) 588-4250

Res. Claffin (620) 587-3444

Empire Energy E & P, LLC
Carmichael-Kollman W Unit #4
S/2-S/2-N/2, 2310' FNL & 2640' FEL
Section 18-11s-17w
Ellis County, Kansas
Page 1

5 1/2" Production Casing Set

Contractor: American Eagle Drilling Company (Rig #3)
Commenced: July 12, 2011
Completed: July 18, 2011
Elevation: 1887' K.B; 1885 D.F; 1880' G.L.
Casing program: Surface; 8 5/8" @ 1140'
Production; 5 1/2" @ 3549'
Sample: Samples saved and examined 2800' to the Rotary Total Depth.
Drilling time: One (1) foot drilling time recorded and kept 2800 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 Log.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	1131	+756
Base Anhydrite	1167	+720
Topeka	2827	-940
Heebner	3054	-1167
Toronto	3076	-1189
Lansing	3098	-1211
Base Kansas City	3332	-1445
1 st Simpson Dolomite	3350	-1463
2 nd Simpson Dolomite	3365	-1478
Arbuckle	3386	-1499
Rotary Total Depth	3540	-1653
Log Total Depth	3538	-1651

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

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

TOPEKA SECTION

3011-3026' Limestone; gray, white and tan, finely crystalline, fossiliferous, chalky, fair porosity, brown and light brown stain, trace of free oil and questionable odor in fresh samples.

TORONTO SECTION

3076-3086' Limestone; cream, tan, finely crystalline, chalky, poor visible porosity, trace poor stain, no show of free oil, trace iron pyrite, plus gray chert.

LANSING SECTION

3098-3112' Limestone; gray and white, chalky, poor porosity, trace spotty stain, no show of free oil and no odor in fresh samples.

3128-3144' Limestone; white, cream, oolitic, fossiliferous, chalky, poor to fair porosity, brown stain, show of free oil and faint odor in fresh samples.

3150-3160' Limestone; white/gray, fossiliferous, chalky, spotty brown and black stain, no show of free oil and no odor in fresh samples.

3174-3180' Limestone; white, gray, finely crystalline, fossiliferous in part, trace stain, no show of free oil and no odor in fresh samples.

3188-3196' Limestone; white, cream, finely crystalline, oomoldic, fair porosity, brown and dark brown stain, trace of free oil and faint odor samples broken.

3230-3240' Limestone; gray, white, finely crystalline, poor visible porosity, chalky in part.

3255-3267' Limestone; tan, finely crystalline, oolitic, few fossiliferous to sub oomoldic, poor visible porosity, trace stain, trace of free oil and no odor in fresh samples.

3271 -3280' Limestone; white/cream, tan, finely crystalline, chalky, few granular, poorly developed porosity, no shows.

3298-3314' Limestone; gray, oolitic, chalky, no shows.

SIMPSON SECTION

3350-3355' Dolomite; yellow and tan, fine to medium crystalline, poor visible porosity, no shows.

2ND SIMPSON DOLOMITE SECTION

3365-3371 Dolomite; yellow and green tinted, finely crystalline, sucrosic, no shows.

ARBUCKLE SECTION

3386-3390' Dolomite; tan, sucrosic, fair porosity, brown stain, show of free oil and odor in fresh samples.

3390-3400' Dolomite; as above.

3400-3410' Dolomite; brown, finely crystalline, few medium crystalline, sucrosic, good brown stain and saturation, fair to good show of free oil and good odor in fresh samples.

3410-3420' Dolomite; as above, few with good vuggy porosity.

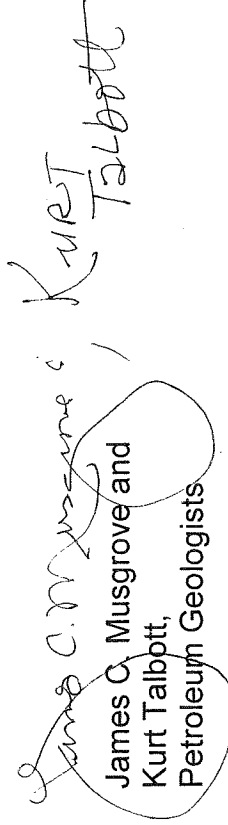
3420-3430'	Dolomite; cream and gray, finely crystalline, sucrosic, fair porosity, fair stain and saturation, show of free oil and fair odor in fresh samples.
3430-3446'	Dolomite; tan/brown, fine and medium crystalline, few oomoldic, fair porosity, brown stain, show of free oil and fair to good odor in fresh samples.
3450-3470'	Dolomite; as above, decreasing stain, trace of free oil (black), plus white chert.
3470-3500'	Dolomite; cream, white, finely crystalline, slightly cherty, poor stain, (black and gray) plus dolomite, white, fine and medium crystalline, fair porosity, no show.
3500-3520'	Dolomite; as above, gray, pink slightly cherty, plus white chert.
3520-3540'	Dolomite; as above, plus white chalk.

Rotary Total Depth 3540
Log Total Depth 3538

Recommendations:

5 1/2" production casing was set and cemented at 3539'.

Respectfully submitted;


James C. Musgrove and
Kurt Talbott,
Petroleum Geologists