



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1185736  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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
- Plug Back  Conv. to GSW  Conv. to Producer
- Commingled Permit #: \_\_\_\_\_
- Dual Completion Permit #: \_\_\_\_\_
- SWD Permit #: \_\_\_\_\_
- ENHR Permit #: \_\_\_\_\_
- GSW Permit #: \_\_\_\_\_

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

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

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

Total Vertical 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

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1185736

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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  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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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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 <i>(Explain)</i> _____					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	PostRock Midcontinent Production LLC
Well Name	KRAMER, JERRY L 20-4
Doc ID	1185736

All Electric Logs Run

DIL
CDL
NDL
TEMP
CBL

Air Drilling Specialist  
Oil & Gas Wells

**THORNTON AIR ROTARY, LLC**  
Office Phone: 620-879-2073

PO Box 449  
Caney, KS 67333

Date Started	<b>7/19/2013</b>
Date Completed	<b>7/20/2013</b>

Operator	A.P.I.#	County	State
<b>Post Rock Energy</b>	<b>15-133-27688-00-00</b>	<b>Neosho</b>	<b>Kansas</b>

Well No.	Lease	Sec.	Twp.	Rge.
<b>20-4</b>	<b>Kramer, Jerry L</b>	<b>20</b>	<b>29</b>	<b>19</b>

Type	Driller	Cement Used	Casing Used	Depth	Size of Hole
<b>Oil</b>	<b>Billy Thornton</b>	<b>4</b>	<b>23' 8 5/8</b>	<b>832</b>	<b>7 7/8</b>

**Formation Record**

0-5	DIRT	429-452	LIME (PAWNEE)	746-748	SHALE
5-18	SHALE	452-454	BLK SHALE	748-749	COAL
18-75	LIME	454-463	LIME	749-775	SANDY SHALE
75-78	BLK SHALE	463-466	BLK SHALE (LEXINGTON)	775-832	SHALE
78-83	LIME	466-474	SHALE	832	TD
83-90	SAND	474-486	SAND		
90-121	SHALE	486-501	SHALE		
121-142	LIME	501-529	LIME (OSWEGO)		
142-171	SHALE	529-535	BLK SHALE (SUMMIT)		
171-178	SAND / DAMP	535-545	LIME		
178-191	SHALE	545-549	BLK SHALE (MULKY)		
191-204	LIME	549-550	LIME		
204-215	BLK SHALE	550-561	SAND		
215-226	SHALE	561-618	SHALE		
226-229	LIME	618-619	COAL		
229-230	COAL	619-630	SANDY SHALE		
230-241	SHALE	630-641	SHALE		
241-250	LIME	641-643	LIME		
250-280	SHALE	643-645	BLK SHALE		
280-281	COAL	645-646	COAL		
281-291	LIME	646-651	SHALE		
291-296	SANDY SHALE	651-658	SAND		
296-306	LIME	658-679	SHALE		
306-311	SAND	679-680	COAL		
311-354	LIME	680-708	SHALE		
354-366	SANDY SHALE	708-714	SAND / OIL ODOR		
366-400	SAND / DAMP	714-729	SAND / GOOD SHOW		
400-418	SANDY SHALE	729-733	SANDY SHALE		
418-428	LIME	733-745	SHALE		
428-429	COAL	745-746	COAL		



**PostRock**  
Energy Corporation

211 W. 14TH STREET,  
CHANUTE, KS 66720  
620-431-9500

TICKET NUMBER **8101**  
FIELD TICKET REF # \_\_\_\_\_  
FOREMAN Darrell Chewey  
AFE D13156  
SSI \_\_\_\_\_  
API 15-133-27688-00-00

**TREATMENT REPORT  
& FIELD TICKET CEMENT**

DATE	WELL NAME & NUMBER		SECTION	TOWNSHIP	RANGE	COUNTY	
7/22/13	Kramer, Jerry L. 20-41		20	29S	19E	Neosho	
FOREMAN/ OPERATOR	TIME IN	TIME OUT	LESS LUNCH	TRUCK #	TRAILER #	TRUCK HOURS	EMPLOYEE SIGNATURE
Darrell Chewey	5:45	1:00		904810		6.25	Darrell Chewey
Michael Clines	6:30			903142	932-895	5.5	Michael Clines

JOB TYPE Long String HOLE SIZE 7 7/8 HOLE DEPTH 880.80/816 CASING SIZE & WEIGHT 5 1/2, 14 #  
 CASING DEPTH 854.22 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER 6vs Jover rig  
 SLURRY WEIGHT 13.5 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT IN CASING 0  
 DISPLACEMENT 20.84 DISPLACEMENT PSI 300 MIX PSI \_\_\_\_\_ RATE 4.0

REMARKS: Arrived on location at 8:30 (Had to wait for casing trailer to be loaded)  
 Washed in app. 50' of casing. Had to leave one full joint out  
 as TD was messed up by the driller. TD = 816 Pipe = 810.0

ACCOUNT CODE	QUANTITY OR UNITS	DESCRIPTION OF SERVICE OR PRODUCT	TOTAL AMOUNT
904810	1	Foreman Pickup	
Cows	1	Cement Pump Truck	
Cows	1	Bulk Truck	
Cows	1	Transport Truck	
Cows	1	Transport Trailer	
Cows	1	80 Yac	
903142	1	Casing Truck	
932-895	1	Casing Trailer	
	<del>10.0</del> 5.5	Casing	
	5	Centralizers	
	1	Float Shoe	
	1	Wiper Plug	
	—	Frac Baffles	
		Portland Cement	
		CSA-122 Sodium Silicate	
		CGL-115 Cement Fluid Loss	
	5	Premium Gel	
		Cal Chloride	
		City Water	
		Chemthix-P Thixotropic	
		KOL Seal	
	1	Colton Seed Hulls	





**CONSOLIDATED**  
Oil Well Services, LLC

AFC # D13150  
API # 15-133-27685

TICKET NUMBER 43309  
LOCATION Empire, KS  
FOREMAN Shannon Teck

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-22-13	6628	Kramer, Jerry #204				Neosho
CUSTOMER Post Rock Energy Corp			Cus			
MAILING ADDRESS 4402 Johnson Rd			Jones			
CITY Chanute		STATE KS	ZIP CODE			
TRUCK #		DRIVER		TRUCK #		DRIVER
445		Dave G				
479		Colby W				
77		Rudy M		M/loy Trucking		

JOB TYPE L/S 0 HOLE SIZE 7 1/2" HOLE DEPTH 816' CASING SIZE & WEIGHT 5 1/2" @ 14#  
 CASING DEPTH 810' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.5 # SLURRY VOL 43 Bbl WATER gal/sk 9.0 CEMENT LEFT in CASING 0  
 DISPLACEMENT 20 Bbl DISPLACEMENT PSI 300 MIX PSI Bump Plug @ 800 RATE Displace @ 4 BPM

REMARKS: Rig up to 5 1/2" casing, wash down 10' w/ 50 Bbl, Loggers had wrong T.D. Ran wireline & Tag float shoe @ 807'. ~~800'~~ mixed 500# gal flush w/ Kulls, 10 Bbl 120 spacer, mixed 120 sls thickset cement w/ 5# hot-seal 1# phenoseal, & 1/4% CFL-115 @ 13.5 #/gal, shut down wash out pump & lines, displace w/ 20 Bbl 120, final pumping pressure of 300 psi, bumped plug @ 500 psi, plug & float held, good circulation @ all times, 9 Bbl slurry to pit, Job complete.

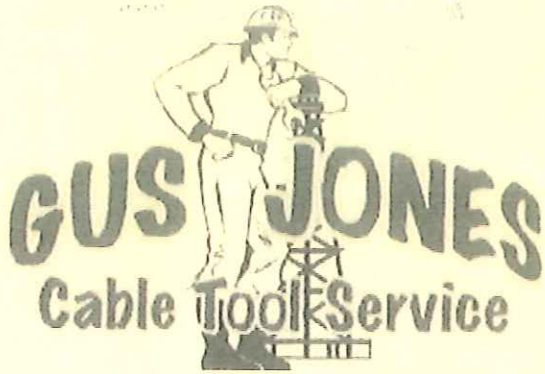
"Thanks Shannon & crew"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	1085.00	1085.00
5406	70	MILEAGE 11 mi 2.0-115	4.20	294.00
1126A	120 sls	thick set cement	20.16	2419.20
1110A	600 #	hot-seal @ 5#/sk	.46	276.00
1107A	120 #	phenoseal @ 1#/sk	1.35	162.00
1135A	29 #	CFL-115 @ 1/4%	11.08	321.32
5477A	6.6 tons	Ton mileage bulk truck	1.41	651.42
5502C	5 hrs	80 Bbl Vac Truck #77 M/loy Trucking	90.10	450.00
1123	3000 gal	city 120	17.30/1000	51.90
			Sub Total	5710.84
			SALES TAX	230.97
			ESTIMATED TOTAL	5941.81

Ravin 3737

AUTHORIZATION [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form



149 RD 25 – Elk City, KS 67344  
 (620) 332-7637 – Gus' Cell  
 (620) 642-6315 - Office

# Job Sheet

AFE# D13156

Date: 7-22-13	Start Time:	Finish Time:	Total Time: 6 Hrs min
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Company: Post Rock

Lease: Kramer

Well #: 20-4

<input checked="" type="checkbox"/> New Well	<input checked="" type="checkbox"/> Kansas	County Name:	<input type="checkbox"/> Rig 1	<input checked="" type="checkbox"/> Rig 3
<input type="checkbox"/> Old Well	<input type="checkbox"/> Oklahoma	mo Sho	<input type="checkbox"/> Rig 2	<input type="checkbox"/> Gus

## Work Performed

<input checked="" type="checkbox"/> Ran casing 5 1/2	<input checked="" type="checkbox"/> Casing tong x 1	<input type="checkbox"/> Pump truck
<input type="checkbox"/> Pulled rods out	<input type="checkbox"/> Pump change	<input type="checkbox"/> Delivery truck
<input type="checkbox"/> Ran rods in	<input type="checkbox"/> Fishing job/Tool charge	<input type="checkbox"/> Mud Pump
<input type="checkbox"/> Pulled tubing out	<input type="checkbox"/> Replaced tubing joints	<input type="checkbox"/> Power swivel
<input type="checkbox"/> Ran tubing in	<input type="checkbox"/> Tong charge x	
<input type="checkbox"/> Stripping job	<input type="checkbox"/> Swabed	

Job Description: Drive to loc. Rig up. Run in 5 1/2 casing recip while cementing Land clamp Rig down

## Parts Used

Supplied by G.J.

<input type="checkbox"/> Swab cups	<input type="checkbox"/> Tubing subs	<input type="checkbox"/> Rod boxes
<input type="checkbox"/> Rod subs	<input checked="" type="checkbox"/> Tubing collars	<input type="checkbox"/> Drill bits
<input type="checkbox"/> Other	Dewell	



# Kramer, Jerry L. 20-4

Pipe #	Joint Length	Running Total - NO threads	Baffle Location	PostRock Energy- Casing Tally Sheet
1	44.45	44.2		Date: 7/22/13
2	44.4	88.35		Well Name & #: Kramer 20-4
3	44.44	132.54		Township & Range: 29S-19E
4	44.44	176.73		County/State: Neosho/KS
5	44.45	220.93		AFE#: D13156
6	44.46	265.14		API# <b>15-133-27688-00-00</b>
7	44.39	309.28		Comments: Projected TD- 840'
8	44.45	353.48		
9	44.46	397.69		Joints are numbered in Yellow Avoid Collars 732-750 Subs are in orange
10	44.46	441.9		
11	44.4	486.05		
12	44.46	530.26		Added these subs for flexibility to adjust to actual TD
13	44.44	577.45		
14	44.44	618.64		
15	44.38	662.77		
16	44.46	706.98		
21	5.03	711.76		
18	44.43	755.94		
19	44.45	800.14		
20	10.13	810.02		
17	44.45	854.22		
22				Trailer# 932895
23				Actual TD - 857
24				Log Bottom - 816.90
25				Casing Tally - 810.02
26				No Baffles
27				Centralizers per SOP
28				Well was mistalled by drillers. Hit Bottom at appox 825'
29				
30				
31				
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PostRock Energy Corp.