



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1202550
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: _____

1202550

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: 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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Hurricane Services, Inc.
 3613 A Y Road
 Madison, KS 66860
 Office # 620-437-2661
 Brad Cell # 620-437-6765



HURRICANE SERVICES INC
 OILFIELD SERVICES
 MADISON, KANSAS

Ticket Number 100409
 Location _____
 Foreman Dwayne Lowe

Cement Service ticket


Date	Customer #	Well Name & Number	Sec./Township/Range	County
4/7/14		KR-21-Joeckel	17S-22E-13	Miami
Customer KRED		Mailing Address	City State Zip	

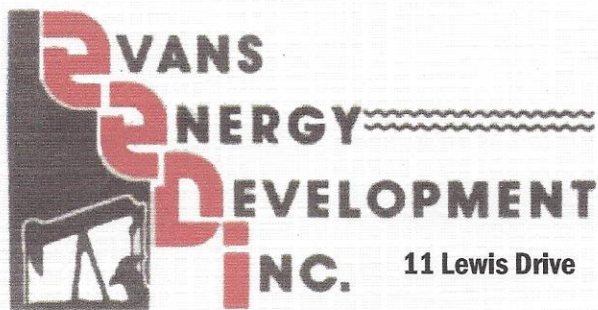
Job Type:	Truck #	Driver
	231	Tom ✓
Hole Size: 5 5/8	241	Alex ✓
Hole Depth: 736	111	Joe
Bridge Plug:	108	Ben
Packer:	25	Dwayne

Quantity Or Units	Description of Services or Product	Pump charge	
29	Mileage	\$3.25/Mile	94.25
1	Foreman Pickup	1.50 mi	43.50
95 Sacks	50 / 50 Poz mix 2%	11.30 sk	1073.50
160 Lbs	Gel In Cement	.30 lb	48.00
no Lbs / 2 Sacks	Gel Sweep	.50 lb	60.00
4 hr	Water Truck ^{unit} 111	84 hr	336.00
4 hr	Water Truck 108	84 hr	336.00
1	Ball Valve	155.00	155.00
1	Wire Line	50.00	50.00
4 Tons	Bulk Truck Minimum Charge	\$130/Mile	300.00
1	Plugs .2 1/2 Rubber Plug	25.00	25.00
		Subtotal	3311.25
		Sales Tax	81.43
		Estimated Total	3392.68

Remarks: Pump 25 Sacks on Bottom 736'
 Pulled casing up to 541'
 cement to surface 70 SK

Baffle at 512' - Pump Plug to Baffle


 Customer Signature



11 Lewis Drive

Paola, KS 66071

**Oil & Gas Well Drilling
Water Wells
Geo-Loop Installation**

Phone: 913-557-9083

Fax: 913-557-9084

WELL LOG

Kansas Resource Exploration & Development, LLC

Joeckel #KR-21

API # 15-121-30,065

April 1 - April 7, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
2	soil & clay	2
3	shale	5
15	lime	20
110	shale	130
21	lime	151
16	shale	167
5	lime	172
35	shale	207
14	lime	221
13	shale	234
12	lime	246
2	shale	248
10	lime	258
10	shale	268
18	lime	286 oil show
4	shale	290
14	lime	304
148	shale	452
4	lime/shale	456 no oil
1	limey sand	457 hard white, light bleeding
4	broken sand	461 50% limey sand 50% shale (soft) light bleeding
4	limey sand	465 hard brown limey sand good bleeding
2	lime	467 few thin minimal bleeding sand seams
1	limey sand	468 50% lime 50% limey sand, ok bleeding
27	shale	495
7	lime	502
13	shale	515
4	lime	519
10	shale	529
6	lime	535
17	shale	552
3	lime	555
52	shale	607
7	lime	614
7	shale	621
1	coal	622
19	silty shale	641
2	broken sand	643 10% light brown sand 90% shale no show

16	broken sand	659	50% shale 50% light brown sand no oil
32	sand	691	light brown sand light oil show makes water
1	coal	692	
16	shale	708	
1	coal	709	
1	shale	710	
13.5	silty shale	723.5	with few thin lime streaks minimal oil show
1	broken sand	724.5	20% brown sand 80% shale ok bleeding
4	silty shale	728.5	
1.5	broken sand	730	805 brown sand 20% silty shale
6	shale	736	TD

Drilled a 9 7/8" hole to 23.3'

Drilled a 5 5/8" hole to 716'

Set 23.3' of 7" surface casing cemented with 5 sacks of cement

Set 541' of 2 7/8" 8 round upset tubing with 3 centralizers, 1 float shoe, 1 clamp and 1 baffle.

Baffle set 31.90' from bottom of tally.

This well was plugged back to 541'

Core Times

<u>Minutes</u>	<u>Seconds</u>
716	49
717	46
718	44
719	30
720	32
721	28
722	32
723	32
724	32
725	38
726	38
727	45
728	43
729	35
730	41
731	38
732	41
733	41
734	33