



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1215362  
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: \_\_\_\_\_

1215362

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)*

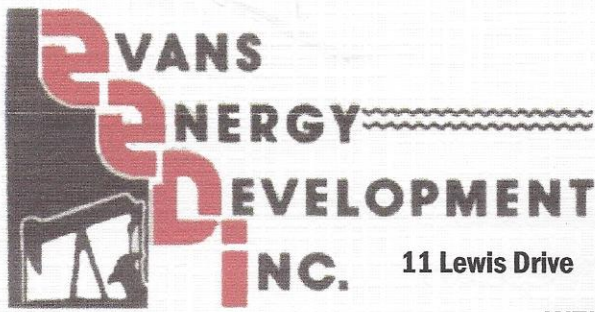
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

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> _____
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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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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 #KRI-31

API # 15-121-30,335

May 14 - May 16, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
6	broken lime	6
107	shale	113
21	lime	134
15	shale	149
7	lime	156
33	shale	189
15	lime	204
12	shale	216
28	lime	244 oil show
7	shale	251
18	lime	269
3	shale	272
3	lime	275
4	shale	279
9	lime	288 base of the Kansas City
144	shale	432
1	broken sand	433 20% brown sand 80% shale, light bleeding
3	silty shale	436
1	limey sand	437
3	broken sand	440 50% brown sand 50% shale, light bleeding
8	limey sand	448 hard, good bleeding
7	oil sand	455 very soft brown sand very good bleeding
1	lime	456
19	shale	475
8	lime	483
33	shale	516
5	lime	521
16	shale	537
4	lime	541
12	shale	553
3	lime	556
48	shale	604
1	coal	605
17	shale	622
19	broken sand	641 light brown sand & shale, no oil
8	broken sand	649 grey sand & shale, makes water
8	broken sand	657 light brown & grey, minimal bleeding
13	sand	670 light brown
1	coal	671
15	shale	686
1	silty shale	687



4	broken sand	691	40% sand 60% shale, light bleeding
16	silty shale	707	
1	oil sand	708	brown sand, ok bleeding
3	broken sand	711	30% brown sand 70% shale ok bleeding, gassy
2	oil sand	713	brown sand, good bleeding
2	lime/sand/shale	715	
1	oil sand	716	brown sand, ok bleeding
2	broken sand	718	90% brown sand 10% shale very good bleeding
3.5	oil sand	721.5	dark brown, very good bleeding
0.5	lime/sand/shale	722	
4	shale	726	
1	coal	727	
68	shale	795	TD

Drilled a 9 7/8" hole to 20.7'

Drilled a 5 5/8" hole to 795'

Set 20.7' of 7" surface casing cemented with 5 sacks of cement

Set 790' of 2 7/8" 8 round upset tubing with 3 centralizers, 1 float shoe, 1 clamp and 1 baffle.

Baffle set 31.20' from bottom of tally.

**Core Times**

	<u>Minutes</u>	<u>Seconds</u>
708		46
709		54
710		46
711		41
712		54
713	2	10
714	2	7
715		47
716		43
717		49
718		36
719		38
720		28
721		33
722		47
723		47
724		51
725		53
726		49
727		37





**CONSOLIDATED**  
Oil Well Services, LLC

268260

TICKET NUMBER 47242  
LOCATION Stawig  
FOREMAN Alan Moder

PO Box 884, Chanute, KS 66720  
620-431-9219 or 800-467-8676

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

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-16-14	47448	Joeckel KAT-31	542 13	17	22	M!

TRUCK #	DRIVER	TRUCK #	DRIVER
730	Alan Moder	368	Ar McU
368	Ar McU	370	Garlow
370	Garlow	548	Kei Det
548	Kei Det		

CUSTOMER: Kansas Resources E&D  
MAILING ADDRESS: 9393 W 110th  
CITY: Overland Park STATE: KS ZIP CODE: 66210

JOB TYPE: long string HOLE SIZE: 5 7/8 HOLE DEPTH: 795 CASING SIZE & WEIGHT: 2 7/8  
CASING DEPTH: 790.2 DRILL PIPE: \_\_\_\_\_ TUBING: \_\_\_\_\_ OTHER: 87 759  
SLURRY WEIGHT: \_\_\_\_\_ SLURRY VOL: \_\_\_\_\_ WATER gal/sk: \_\_\_\_\_ CEMENT LEFT in CASING: yes  
DISPLACEMENT: 4.41 DISPLACEMENT PSI: 800 MIX PSI: 200 RATE: 46ppm

REMARKS: Held meeting. Established rate. Mixed & pumped 100# gel followed by 115 sk 50/150 cement plus 290 gel + 1/2 phenoseal per sack. Circulated cement. Flushed pumps pumped plus to casing baffle. Well held 800 PST. Set float

Erans, Mitchell

Alan Moder

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5701		PUMP CHARGE	368	1085.00 ✓
3426	5	MILEAGE from Harbison	368	21.00 ✓
5702	790.2	casing footage	368	184.00 ✓
5727	1/2 min	ton miles	548	150.00 ✓
5502L	1 1/2	80 gal	370	
1124	115	50/150 cement	1322.50 ✓	
118B	293 #	gel	64.46 ✓	
1107A	58 #	Pheno seal	78.30 ✓	
		Material sub	1465.26 ✓	
		less 30%	-439.58 ✓	
		Material total		1025.68 ✓
4702	1	2 1/2 plug		29.50 ✓
			3049.00 ✓	
			SALES TAX	80.72 ✓
			ESTIMATED TOTAL	2575.90 ✓

completed

AUTHORIZATION: \_\_\_\_\_ 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.