



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1205712
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: _____

1205712

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

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> _____	PRODUCTION INTERVAL: _____ _____
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CONSOLIDATED
Oil Well Services, LLC

267830

TICKET NUMBER 47136
LOCATION Ottawa
FOREMAN Alan Mader

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
5-2-14	4448	Joeckel KR 58	SW 13	17	22	M:

TRUCK #	DRIVER	TRUCK #	DRIVER
730	Alan Mader	Safety	Meat
368	Der Mas		
369	Der Mas		
510	Gar Mod		

CUSTOMER: Kansas Resources E+D
MAILING ADDRESS: 9393 W110th
CITY: Overland Park STATE: KS ZIP CODE: 66210

JOB TYPE: long string HOLE SIZE: 5 7/8 HOLE DEPTH: 738 CASING SIZE & WEIGHT: 2 7/8
CASING DEPTH: 728.55 DRILL PIPE: _____ TUBING: _____ OTHER: 696.55 of
SLURRY WEIGHT: _____ SLURRY VOL: _____ WATER gal/sk: _____ CEMENT LEFT in CASING: yes
DISPLACEMENT: 4.04 DISPLACEMENT PSI: 800 MIX PSI: 200 RATE: 46pm

REMARKS: held meeting, Established rate, Mixed & pumped 100 # gel followed by 95 sk 50/50 cement plus 2% gel & 1/2" Pheno seal per sack. Circulated cement. Flushed pump. Pumped plug to baffle. Well held 800 PSI. Set float. Closed valve.

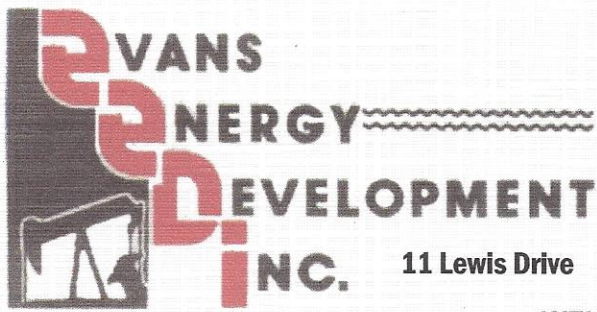
Mitchell Evans
Alan Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	368	1085.00
5406	25	MILEAGE	368	105.00
5402	728.55	casing footage	368	—
5407	1/2 mi	ton miles	510	184.00
5502L	1 1/2	80 v/c	369	150.00
1124	95	50/50 cement	1092.50	✓
1118B	260#	gel	57.20	✓
1107A	48#	pheno seal	64.80	✓
		Material sub	1214.50	
		less 30% - 364.35		✓
		Material total		850.15
4402	1	2 1/2 plug		29.50
			2863.18	
		SALES TAX		67.31
		ESTIMATED TOTAL		2470.96

completed

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.



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-58

API # 15-121-30,081

May 1 - May 2, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
32	soil & clay	32
31	shale	63
22	lime	85
12	shale	97
6	lime	103
36	shale	139
15	lime	154
12	shale	166
11	lime	177
2	shale	179
12	lime	191 oil show
6	shale	197
6	lime	203
2	shale	205
14	lime	219
4	shale	223
16	lime	239 base of the Kansas City
140	shale	379
1	silty shale	380
1	broken sand	381 90% light brown sand 10% shale light bleeding
7	oil sand	388 light brown sand, ok bleeding
2	broken sand	390 50% limey sand 50% brown sand ok bleeding
4	oil sand	394 light brown sand good bleeding
4	broken sand	398 90% brown sand 10% shale good bleeding
3	oil sand	401 brown sand good bleeding good saturaton
4	broken sand	405 60% brown sand 40% shale good bleeding
1	oil sand	406 brown sand good bleeding good saturaton
3	limey sand	409 hard brown & white, light bleeding
1	broken sand	410 40% brown sand 60% shale good bleeding
8	shale	418
6	lime	424 no oil
2	lime	426 lime with some porosity, ok bleeding
5	lime	431 lots of porosity, good bleeding
3	lime	434 no oil
37	shale	471
7	lime	478
15	shale	493
2	lime	495
7	shale	502
1	coal	503

9	shale	512
3	lime	515
22	shale	537
1	lime	538
14	shale	552
1	lime	553
17	shale	570
1	coal	571
9	shale	580
5	silty shale	585
8	oil sand	593 brown, light bleeding
30	sand	623 brown sand no bleeding occasional light odor
1	coal	624
14	shale	638
3	silty shale	641
3	broken sand	644 60% brown sand 40% shale, ok bleeding
2	silty shale	646
5	silty shale/lime	651
1	silty shale	652
1	broken sand	653 40% brown sand 60% shale, light bleeding
5	silty shale	658
0.5	broken sand	658.5 30% brown sand 70% shale, light bleeding
5.5	silty shale	664
1	broken sand	665 15% brown sand 85% shale light bleeding
2	silty shale	667
2	oil sand	669 brown sand, good bleeding
1	broken sand	670 50% brown sand 50% shale
1	oil sand	671 brown good bleeding
5	oil sand	676 dark brown & grey light bleeding
2	lime/sand/shale	678
4	shale	682
1	coal	683
38	shale	721
1	coal	722
16	shale	738 TD

Drilled a 9 7/8" hole to 33.5'

Drilled a 5 5/8" hole to 738'

Set 33.5' of 7" surface casing cemented with 5 sacks of cement

Set 728.55' of 2 7/8" 8 round upset tubing with 3 centralizers, 1 float shoe, 1 clamp and 1 baffle.

Baffle set 32' from bottom of tally.

Core Times

	<u>Minutes</u>	<u>Seconds</u>
667.5		21
668		48
669		46
670		42
671		53
672		55
673		42
674		40
675		37
676		42
677		59
678		43
679		36
680		27
681		27
682		57
683	1	9
684	1	1
685		46
686		45