



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
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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

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: _____



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.

<p>Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i></p> <p>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i></p> <p>List All E. Logs Run:</p>	<p><input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample</p> <p>Name Top Datum</p>
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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				

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
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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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CONSOLIDATED
Oil Well Services, LLC

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

TICKET NUMBER 35163

LOCATION Ottawa, KS

FOREMAN Cassey Kennedy

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1/13/12	4448	Gutherman # KR-5	NE 19	14	22	JO
CUSTOMER Kansas Resource Expt Dev			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS 9393 W 110th St, Suite 500			481	Cas Ken	✓	Safety Meeting
CITY STATE ZIP CODE Overland Park KS 66210			666	Carl Moo	✓	
			570	Set Tur	✓	
			370	Kei Car	✓	

JOB TYPE log string HOLE SIZE 5 5/8" HOLE DEPTH 916' CASING SIZE & WEIGHT 2 7/8" EOC
 CASING DEPTH 906' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 5.24 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE 4.5 bpm

REMARKS: held safety meeting, established circulation, mixed & pumped 100# Premium G.C. followed by 10 bbls fresh water, mixed & pumped 148 sks 50% Pozmix cement w/ 2 1/2 gal gel + 1/2 # Phenoseal per sk, cement to surface, flushed pump clean, pumped 2 2 1/2" rubber plugs to casing TD w/ 5.24 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

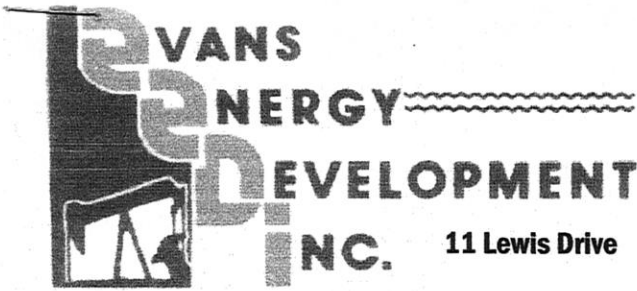
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ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1030.00
5406	30 mi	MILEAGE		120.00
5402	906'	casing footage		
5407	minimum	ton mileage		350.00
5502C	2 hrs	80 Uae		180.00
1124	148 sks	50% Pozmix cement		11020.60
1118B	349 #	Premium Gel		73.29
1107A	74 #	Phenoseal		95.46
4402	2	2 1/2" rubber plug		56.00
			7.525%	SALES TAX 138.86
				ESTIMATED TOTAL 3664.21

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

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

11 Lewis Drive

Paola, KS 66071

Phone: 913-557-9083

Fax: 913-557-9084

WELL LOG

Kansas Resource Exploration & Development, LLC

Guetterman #KR-5

API # 15-091-23,930

November 9 - November 13, 2012

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
13	soil & clay	13
14	shale	27
9	lime	36
5	shale	41
13	lime	54
11	shale	65
8	lime	73
9	shale	82
3	lime	85
2	shale	87
9	lime	96
26	shale	122
13	lime	135
8	shale	143
8	lime	151
2	shale	153
39	lime	192
26	shale	218
9	lime	227
17	shale	244
6	lime	250
7	shale	257
11	lime	268
4	shale	272
3	lime	275 light oil show
31	shale	306
24	lime	330
8	shale	338
21	lime	359
4	shale	363
2	lime	365
7	shale	372
5	lime	377 base of the Kansas City
173	shale	550
4	lime	554
6	shale	560
3	lime	563
8	shale	571
7	lime	578

14	shale	592
4	lime	596
7	shale	603
4	lime	607
4	shale	611
1	lime	612
104	shale	716 red
4	broken sand	720 brown & grey, ok bleeding
2	oil sand	722 brown, good bleeding
1	silty shale	723
67	shale	790
1	coal	791
22	shale	813
1	coal	814
9	shale	823
18	silty shale	841 white & grey
1	broken sand	842 brown & grey, good bleeding
2.5	oil sand	844.5 brown, good bleeding
0.5	lime	845
2	broken sand	847 broken sand, brown & grey, ok bleeding
3	silty shale	850
33	shale	883
1	coal	884
32	shale	916 TD

Drilled a 9 7/8" hole to 23.5'

Drilled a 5 5/8" hole to 916'

Set 23.5' of 7" surface casing cemented with 6 sacks of cement

Set 906' of 2 7/8" 8 round upset tubing, with 3 centralizers, 1 float shoe, & 1 clamp.