



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

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.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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				

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 (Specify) _____ <i>(Submit ACO-4)</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 35096

LOCATION Ottawa, KS

FOREMAN Casey Kennedy

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11/11/12	4448	Guttenman # KR-20	NE 19	14	22	JO
CUSTOMER <u>Kansas Resource Exp + Dev</u>						
MAILING ADDRESS <u>9393 W. 110th St, Suite 500</u>						
CITY <u>Overland Park</u>		STATE <u>KS</u>	ZIP CODE <u>66210</u>			
TRUCK #		DRIVER		TRUCK #		DRIVER
481		Casper		✓		Safety Meeting
Lelde		Kei Car		✓		
503		Dan Det		✓		
370		Jas Ric		✓		

JOB TYPE Logging HOLE SIZE 5 5/8" HOLE DEPTH 880' CASING SIZE & WEIGHT 2 7/8" EUE
 CASING DEPTH 870' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 5106 bbs DISPLACEMENT PSI _____ MIX PSI _____ RATE 4.5 bpm

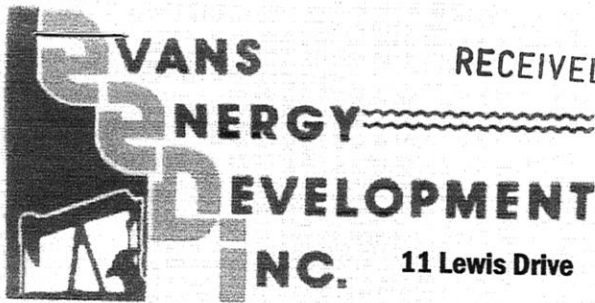
REMARKS: held safety meeting, established circulation, mixed + pumped 100 # Premium Gel followed by 10 bbs fresh water, mixed + pumped 134 sks 50/50 Pozmix cement w/ 27% gel + 1/2 # Phenoseal per sk, cement to surface, flushed pump clean, pumped 2 2 1/2" rubber plugs to casing TD w/ 5106 bbs fresh water, pressured to 800 PSI, released pressure, shut in casing.

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	870'	casing footage		
5407	minimum	van mileage		350.00
5502C	2 hrs	80 Vac		180.00
1124	134 sks	50/50 Pozmix cement		1467.30
1118B	325 #	Premium Gel		68.25
1107A	67 #	Phenoseal		86.43
4402	2	2 1/2" rubber plug		56.00

Completed

Ravin 3737 TITLE 254361 DATE _____
 AUTHORIZATION _____ SALES TAX 7.525% ESTIMATED TOTAL 126.26
3484.24

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.



RECEIVED NOV 05 2012

**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-20

API # 15-091-23,940

October 29 - November 2, 2012

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
16	soil & clay	16
29	lime	45
8	shale	53
9	lime	62
9	shale	71
16	lime	87
18	shale	105
20	lime	125
5	shale	130
49	lime	179
25	shale	204
9	lime	213
18	shale	231
1	lime	232
12	shale	244
17	lime	261
21	shale	282
1	lime	283
11	shale	294
7	lime	301
3	shale	304
13	lime	317
10	shale	327
21	lime	348
4	shale	352
2	lime	354
5	shale	359
7	lime	366 base of the Kansas City
171	shale	537
8	lime	545
12	shale	557
5	lime	562
18	shale	580
1	lime	581
10	shale	591
4	lime	595
32	shale	627 red
4	lime	631
22	shale	653
7	broken sand	660 brown sand & shale, light bleeding

5	silty shale	665
36	shale	701
9	broken sand	710 brown sand & shale ok bleeding making gas
14	shale	724
1	coal	725
16	shale	741
5	silty shale	746
19	shale	765
5	grey sand	770 no oil
49	shale	819
1	broken sand	820 lime & brown sand, light bleeding
1	oil sand	821 brown, good bleeding
4	broken sand	825 brown sand, few thin lime & shale seams ok bleeding
5	silty shale	830
1	shale	831
1	lime	832
6	shale	838
1	coal	839
41	shale	880 TD

Drilled a 9 7/8" hole to 23.5'

Drilled a 5 5/8" hole to 880'

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

Set 870' of 2 7/8" 8 round upset tubing, with 3 centralizers, 1 float shoe, & 1 clamp.