



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: _____



1152186

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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ 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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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259967

TICKET NUMBER 42065
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
6-27-13	6370	Sawyer 11-A	Su 29	14	22	Jo
CUSTOMER Petroleum Technologies			TRUCK #			
MAILING ADDRESS 801 W 47th			DRIVER			
CITY Kansas City			TRUCK #			
STATE MO			DRIVER			
ZIP CODE 64112			TRUCK #			
			DRIVER			

JOB TYPE long string HOLE SIZE 5 5/8 HOLE DEPTH 897 CASING SIZE & WEIGHT 2 7/8
 CASING DEPTH 882 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING yes
 DISPLACEMENT 5.1 DISPLACEMENT PSI 800 MIX PSI 200 RATE 4 bpm

REMARKS: Held meeting. Established rate. Mixed + pumped 106# gel followed by 118 SK 50/50 cement plus 2 1/2 gal + 1/4 # floseal per sack. Circulated cement. Flushed pump. Pumped plugs casing TD. Well held 800 PSI. Set float. Closed valve.

Evans, Mitchell

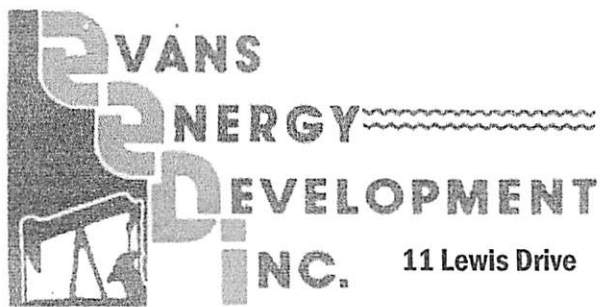
Alan Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5121	1	PUMP CHARGE	368	1085.00
5406	30	MILEAGE	368	126.00
5402	882	Casing footage	368	—
5407	M:4	ton miles	548	368.00
5502C	2	80 UGL	370	180.00
1124	118	50/50 cem		1357.00
1118B	298 #	gel		65.56
1107	30 #	floseal		74.10
4402	1	2 1/2 plug		29.50
			<input checked="" type="checkbox"/>	completed
			SALES TAX ESTIMATED TOTAL	1141.84
				3400.00

Ravin 3737

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.



Oil & Gas Well Drilling
Water Wells
Geo-Loop Installation

Phone: 913-557-9083
Fax: 913-557-9084

11 Lewis Drive Paola, KS 66071

WELL LOG

Petroleum Technologies, Inc.
Sawyer #11A
API #15-091-24,142
June 21 - June 24, 2013

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
11	soil & clay	11
6	shale	17
23	lime	40
8	shale	48
8	lime	56
5	shale	61
1	lime	62
4	shale	66
21	lime	87
20	shale	107
27	lime	134
4	shale	138
12	lime	150
6	shale	156
36	lime	192
17	shale	209
6	lime	215
23	shale	238
8	lime	246
5	shale	251
6	lime	257
33	shale	290
1	lime	291
10	shale	301
25	lime	326
7	shale	333
24	lime	357
6	shale	363
12	lime	375 base of the Kansas City
38	shale	413
7	sand	420 grey & green (gassy)
129	shale	549
5	lime	559
4	shale	558
2	lime	560
7	shale	567
4	lime	571
7	shale	578
1	oil sand	579 soft brown good bleeding

10	shale	589
4	lime	593
8	shale	601
2	lime	603
26	shale	629 red
7	lime	636
4	shale	640
2	lime	642
54	shale	696
3	lime	699
16	shale	715
2	broken sand	717 brown sand & shale, light bleeding
2	shale	719
5	broken sand	724 brown & grey light bleeding
6	oil sand	730 brown sand, light bleeding
3	shale	733
2	coal	735
29	shale	764
1	coal	765
66	shale	831
1	broken sand	832 friable sand, 10% black, 90% white, light show
3	broken limey sand	835 90% white lime, 10% black, good bleeding
2.5	oil sand	837.5 black sand, good saturation and bleeding few thin lime laminations
2.5	broken sand	840 80% black sand, 20% silty shale, good bleeding (gassy)
2	broken sand	842 50% brown sand, 50% silty shale, ok bleeding
2	silty shale	844
53	shale	897 TD

Drilled a 9 7/8" hole to 24.3'

Drilled a 5 5/8" hole to 897'

Set 24.3' of 7" casing threaded and coupled, cemented with 6 sacks cement.

Set 882' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 float shoe, and 1 clamp.