



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1232809
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: _____

1232809

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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: 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

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. <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Formation Tops

Formation	DK Operating, Inc. Whitley #4-13 Sec. 13 T20s R23w 996' FSL & 2056' FEL
Anhydrite	1412', +802
Base	1446', +771
Heebner	3649', -1432
Lansing	3697', -1480
BKc	4027', -1810
Pawnee	4144', -1927
Fort Scott	4213', -1996
Cherokee	4237', -2020
Mississippian	4295', -2078
Osage	4312', -2095
RTD	4328', -2111

Sample Zone Descriptions

- Fort Scott (4213', -1996): Not Tested**
 Ls – Fine to sub-crystalline with scattered poor inter-crystalline porosity, light spotted oil stain in porosity, no show of free oil, light yellow spotted fluorescents, slightly fossiliferous.
- Mississippian Osage (4312', -2095): Covered in DST #1**
 Δ – Dolo – Fine sucrosic crystalline with poor scattered inter-crystalline porosity, very heavy slightly triptolitic chert, weathered with good vuggy porosity, light to fair oil stain, good edge staining, fair show of free oil, good odor, light to good yellow fluorescents.

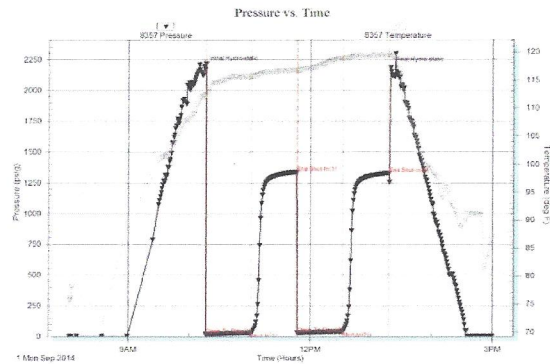
Drill Stem Tests
Trilobite Testing, Inc.
"Chuck Smith"

DST #1 Mississippian Osage

Interval (4314' – 4325') Anchor Length 11'

IHP	- 2195 #	
IFP	- 45" – Built to 4 in.	19-29 #
ISI	- 45" – Dead	1341 #
FFP	- 45" – Built to 4 in.	28-40 #
FSI	- 45" – Dead	1331 #
FHP	- 2183 #	
BHT	- 119°F	

Recovery:	63' GIP	
	63' GOWCM	10% Oil, 20% Water



JOB LOG

SWIFT Services, Inc.

DATE 9-11-14 PAGE NO. 1

CUSTOMER D.K. OPERATING WELL NO. 4-13 LEASE WHITLEY JOB TYPE CEMENT PORT COLLAR TICKET NO. 26552

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0830							ON LOCATION
								2 7/8 x 5 1/2
								RBP-3270'
								PORT COLLAR-1421
	0900	4	80		✓		400	CIRCULATE WELL CLEAN
	0945						1000	PSE TEST - HELD
	1000		15	✓				SPOT 2 SKS SAND - PULL TUBING TO PORT COLLAR
	1130				✓		1000	PSE TEST
	1135	3	3	✓		250		OPEN PORT COLLAR - INJ RATE
	1140	4	97	✓		250		MAX CEMENT 175 SKS SMD = 11.2 PP6
	1210	4	7 1/2	✓		500		DISPLACE CEMENT
	1220			✓		1000		CLOSE PORT COLLAR - PSE TEST - HELD
								CIRCULATED 20 SKS CEMENT TO PRT
	1240	4	25		✓		400	RUN 5 JTS - CIRCULATE CLEAN
								WASH TRUCK
	1345	4	60		✓		500	RUN TUBING - CIRCULATE SAND OFF RBP
								LEAVE RBP SET - PULL 1 JT TUBING
								SWAB DOWN 9-12-14
								PULL RBP
	1430							JOB COMPLETE

THANK YOU
WAYNE, JOHN J., ROB