



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1227247
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: _____

1227247

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> _____				
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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JAMES C. MUSGROVE

Petroleum Geologist, LLC
212 Main Street
P.O. Box 215
Clafin, KS 67525

Office (620) 588-4250

Res. Clafin (620) 587-3444

Mai Oil Operations
Wagner #4
SW-NE-NW
Section 7-17s-14w
Barton County, Kansas

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Dry and Abandoned

Contractor: Southwind Drilling Co. (rig #3)
Commenced: July 14, 2014
Completed: July 19, 2014
Elevation: 1955' K.B., 1953' D.F., 1947' G.L.
Casing program: Surface; 8 5/8" @ 938'
Production, none
Sample: Samples saved and examined 2900' to the Rotary Total Depth.
Drilling time: One (1) foot drilling time recorded and kept 2900 ft. to the Rotary Total Depth.
Measurements: All depths measured from the Kelly Bushing.
Drill Stem Tests: -None-
Electric Log: -None-

<u>Formation</u>	<u>Sample Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	938	+1017
Base Anhydrite	962	+993
Heebner	3138	-1183
Toronto	3153	-1198
Lansing	3200	-1245
Base Kansas City	3403	-1448
Conglomerate	3418	-1463
Arbuckle	3466	-1511
Rotary Total Depth	3475	-1520

All tops and zones determinations were made from a correlation of Drilling Time Log and Sample Analysis.

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

TOPEKA SECTION

3081-3090' Limestone, gray, fossiliferous, chalky, trace black stain, no show of free oil and no odor in fresh samples.

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TORONTO SECTION

3154-3164' Limestone, white, cream, gray, chalky, fossiliferous in part, no shows.

LANSING SECTION

3200-3206' Limestone, gray, tan, finely crystalline, fossiliferous, poor porosity; no shows.

3218-3224' Limestone, gray, fossiliferous, chalky, poorly developed porosity, poor stain, no free oil and no odor in fresh samples.

3234-3242' Limestone, gray, white, sub-oomoldic, chalky, poor porosity, trace poor stain, no free oil and no odor in fresh samples.

3270-3276' Limestone, white, oolitic, few granular, chalky, poor spotty stain, no free oil and no odor in fresh samples.

3287-3293' Limestone, white, gray, oolitic, chalky, sparry calcite cement, brown and black stain, show of free oil and questionable odor in fresh sample.

3300-3306' Limestone, as above, plus white/tan oolitic chert, no shows.

3341-3348' Limestone, tan, oolitic, chalky, scattered porosity, brown spotty stain, no free oil and faint odor.

3356-3362' Limestone, white, cream, oolitic, chalky, poor visible porosity, black and gray stain, no show of free oil and faint and fair odor in fresh samples.

3366-3376' Limestone, as above, few sub-oomoldic, chalky, trace black and gray stain, no free oil and no odor in fresh samples.

3392-3396' Limestone, tan, fossiliferous, chalky, questionable stain, no show free oil and no odor, plus amber chert.

CONGLOMERATE SECTION

3418-3430' Varied colored soft shale, plus trace limestone; fossiliferous, chalky, black stain, no free oil and no odor.

3430-3465' Varied colored oolitic opaque chert in matrix of red blood red shale.

Mai Oil Operations
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SW-NE-NW
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Barton County, Kansas

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ARBUCKLE SECTION

3466-3475' Dolomite, white, cream, finely crystalline, fair porosity, black and gray stain, weak show of free oil and faint odor in fresh samples, plus iron pyrite.

Rotary Total Depth 3475-1520

Recommendations:

The Mai Oil Operations, Inc., Wagner #4, was plugged and abandoned at the Rotary Total Depth 3475 (-1520).

Respectfully submitted;



James C. Musgrove
Petroleum Geologist



QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 090

Date	7-15-14	Sec.	7	Twp.	17	Range	14	County	Barton	State	Ks	On Location		Finish	8:00AM
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Location Eggs 4 Sale + 281 - 4 W, 1 N, 14 E

Lease	Wagner	Well No.	4	Owner	JJ S/Into
Contractor	Southwind		3	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Type Job	Surface			Charge To	mai oil
Hole Size	12 1/4"	T.D.	938'	Street	
Csg.	8 5/8"	Depth	938'	City	State
Tbg. Size		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Tool		Depth		Cement Amount Ordered 400 60/40 3 3/4 cc 2 1/2 gel	
Cement Left in Csg.	30'	Shoe Joint	30'	Meas Line Displace 57 3/4 Bcs 1/4 # Fl-seal	

EQUIPMENT

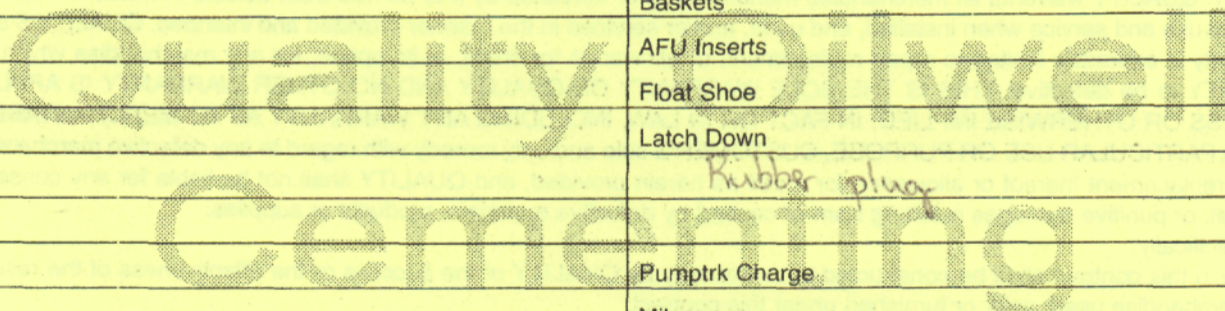
Pumptrk	16	No.	Cementer	Billy	Common
			Helper		Poz. Mix
Bulktrk	13	No.	Driver	Clayton	Gel.
			Driver		Calcium
Bulktrk	p.u.	No.	Driver	Rick	

JOB SERVICES & REMARKS

Remarks:	Cement did - Circulate	Hulls
Rat Hole		Salt
Mouse Hole		Flowseal
Centralizers		Kol-Seal
Baskets		Mud CLR 48
D/V or Port Collar		CFL-117 or CD110 CAF 38
		Sand
		Handling
		Mileage

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	Rubber plug
	Pumptrk Charge
	Mileage



X Signature		Tax
		Discount
		Total Charge

Kent