



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1220249
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: _____

1220249

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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Form	ACO1 - Well Completion
Operator	Mai Oil Operations, Inc.
Well Name	Stoskopf 1
Doc ID	1220249

Tops

Name	Top	Datum
Anhydrite	853	+1068
Heebner	3056	-1135
Toronto	3075	-1154
Douglas	3088	-1167
Brown Lime	3137	-1216
Lansing	3150	-1229
Base Kansas City	3360	-1459
Arbuckle	3379	-1458

JAMES C. MUSGROVE

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

Office (620) 588-4250

Res. Claflin (620) 587-3444

Mai Oil Operations
Stoskopf #1
N/2-SW-NW-NW (810' FNL & 330' FEL)
Section 9-17s-13w
Barton County, Kansas

Page 1

5 1/2" Production Casing Set

Contractor: Southwind Drilling Co. (rig #3)
Commenced: June 25, 2014
Completed: June 27, 2014
Elevation: 1921' K.B., 1919' D.F., 1913' G.L.
Casing program: Surface; 8 5/8" @ 324'
Production, 5 1/2 @ 3437'
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: There were one (1) Drill Stem Tests ran by Trilobite Testing Co.
Electric Log: By Nabors; Dual Induction, Compensated Density/Neutron Log and Micro Log.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	853	+1068
Base Anhydrite	882	+1039
Heebner	3056	-1135
Toronto	3075	-1154
Douglas	3088	-1167
Brown Line	3137	-1216
Lansing	3150	-1229
Base Kansas City	3360	-1439
Arbuckle	3379	-1458
Rotary Total Depth	3440	-1519
Log Total Depth	3445	-1524

All tops and zones corrected to Electric Log Measurement.

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

TOPEKA SECTION

3000-3023' Limestone, cream to tan, finely crystalline, poorly developed porosity, no shows.

TORONTO SECTION

3066-3076' Limestone, cream to tan, finely crystalline, chalky; poor visible porosity, no shows.

LANSING SECTION

3150-3160' Limestone, cream to tan, finely crystalline, fossiliferous, poor scattered porosity, no shows.

3176-3186' Limestone, cream to tan, finely crystalline, chalky few oolitic, poor scattered porosity, trace black stain, show of free oil and faint odor.

3196-3206' Limestone, cream to tan, finely crystalline, fossiliferous, poor scattered porosity, no shows.

3210-3214' Limestone, cream, white, finely crystalline, chalky, few fossiliferous, poor scattered porosity, no shows.

3220-3236' Limestone, cream to white, gray, finely crystalline, few oolitic, poorly developed porosity, no shows.

3280-3290' Limestone, white/cream, finely crystalline, fossiliferous, poor visible porosity, no shows.

3298-3308' Limestone, as above.

3317-3330' Limestone, tan, cream finely crystalline, few fossiliferous, poor visible porosity, no shows.

3340-3354' Limestone, cream, tan, finely crystalline, fossiliferous, poor porosity; trace black stain; trace of free oil and no odor in fresh sample.

3367-3374' Limestone, tan, brown, finely crystalline, chalky/few cherty; poor visible porosity, trace of brown stain, show of free oil and faint odor in fresh samples.

ARBUCKLE SECITON

3379-3385' Dolomite, white, fine and medium crystalline, fair vuggy type porosity, brown stain, show of free oil and strong odor in fresh samples.

Mai Oil Operations
Stoskopf #1
N/2-SW-NW-NW (810' FNL & 330' FEL)
Section 9-17s-13w
Barton County, Kansas

Page 3

Drill Stem Test #1 **3353-3385**

Times: 30-30-45-45

Blow: Strong

Recovery: 50' gas in pipe
1197' clean oil
189' muddy oil
(30% mud; 70% oil)

Pressures: ISIP 1006 psi
FSIP 1027 psi
IFP 78-300 psi
FFP 326-530 psi
HSH 1621-1538 psi

- 3385-3400' Dolomite, white, gray, finely crystalline poor to fair inter-crystalline porosity, light brown stain, show of free oil.
- 3400-3420' Dolomite, white to gray, finely crystalline, poor scattered porosity, brown stain, show of free oil and faint odor.
- 3420-3345' Dolomite, white, finely crystalline, poor scattered porosity, no shows.

Rotary Total Depth 3340
Log Total Depth 3345

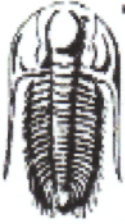
Recommendations:

5 1/2" production casing was set and cemented on the Mai Oil Operations, Stoskopf #1.

Respectfully submitted;



Wyatt Urban
Petroleum Geologist



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mai Oil Operations Inc
 8411 Preston Rd Ste 800
 Dallas TX 75225-5520
 ATTN: Wyatt Urban

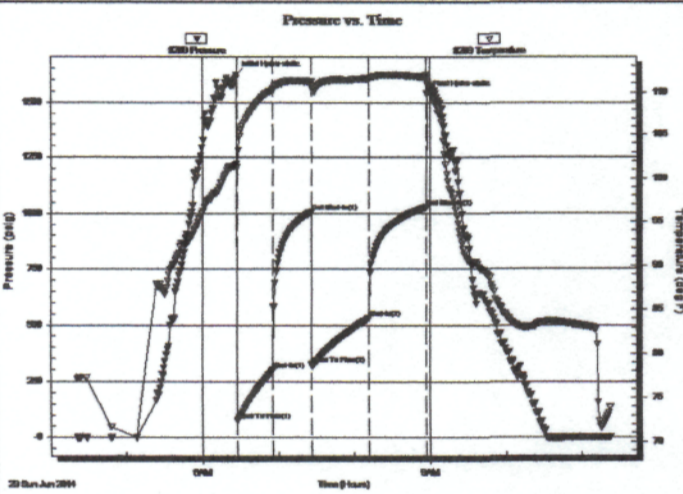
9-17s-13w Barton,KS
Stoskopf #1
 Job Ticket: 59263 **DST#: 1**
 Test Start: 2014.06.29 @ 04:21:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:27:15
 Time Test Ended: 11:26:00
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jim Svaty
 Unit No: 76
 Interval: **3353.00 ft (KB) To 3385.00 ft (KB) (TVD)**
 Total Depth: 3385.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Reference Elevations: 1921.00 ft (KB)
 1913.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8289 Outside
 Press@RunDepth: 530.10 psig @ 3357.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.06.29 End Date: 2014.06.29 Last Calib.: 2014.06.29
 Start Time: 04:21:02 End Time: 11:22:15 Time On Btrm: 2014.06.29 @ 06:26:45
 Time Off Btrm: 2014.06.29 @ 08:57:30

TEST COMMENT: 30-IFP- BOB in 2 min.
 30-ISIP- Surface Blow to 1" in 10 min. Died in 18 min.
 45-FFP- BOB in 2 min. 10 sec.
 45-FSIP- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1621.34	101.61	Initial Hydro-static
1	77.73	101.28	Open To Flow (1)
30	300.27	110.23	Shut-In(1)
60	1006.42	111.08	End Shut-In(1)
60	325.72	110.70	Open To Flow (2)
105	530.10	111.52	Shut-In(2)
151	1027.05	111.65	End Shut-In(2)
151	1538.21	111.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
189.00	MCO 30% m 70% o	2.65
1197.00	CO 100%	16.79
0.00	50 GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

QUALITY OILWELL CEMENTING, INC.

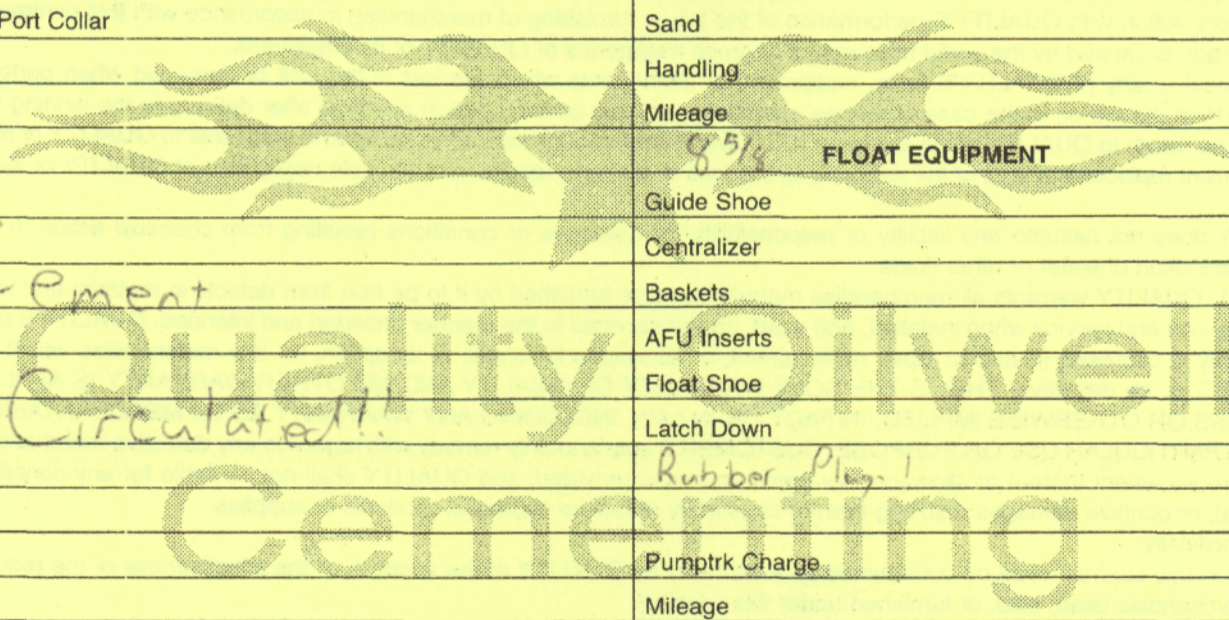
Federal Tax I.D.# 20-2886107

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

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

No. 503

Date	6-25-14	Sec.	9	Twp.	17	Range	13	County	Barton	State	KS	On Location		Finish	1:00 AM	
								Location								
								Susank 3 1/2 S E 10								
Lease	S:05kopf							Well No.	#1							
Contractor	Southwind #3							Owner								
									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								
									Main Oil							
Hole Size	12 1/4							T.D.	514							
Csg.	8 5/8							Depth	514							
Tbg. Size								Depth								
Tool								Depth								
									The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg.	30'							Shoe Joint	30'							
									Cement Amount Ordered 250 6 1/4 3 1/2 cc 2 1/2 gal							
Meas Line								Displace	30 3/4 bbl							
EQUIPMENT																
Pumptrk	20	No.	Cementer		David		Common									
			Helper				Poz. Mix									
Bulktrk	1	No.	Driver		Lannie M Taylor		Gel.									
			Driver				Calcium									
Bulktrk	Pu	No.	Driver		Brett											
			Driver													
JOB SERVICES & REMARKS																
Remarks:								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								
								8 5/8								
								FLOAT EQUIPMENT								
								Guide Shoe								
								Centralizer								
								Baskets								
								AFU Inserts								
								Float Shoe								
								Latch Down								
								Rubber Plug!								
								Pumptrk Charge								
								Mileage								
								Tax								
								Discount								
								Total Charge								
X Signature	Jay Miller															



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. 150

Date	6-30-14	Sec.	9	Twp.	17	Range	13	County	BARTON	State	KANSAS	On Location	Finish
Location													6:00 AM
SUSANK KS. 3 1/2 S. 1/4 E INTO													

Lease	STOSKOPF	Well No.	#1	Owner	To Quality Oilwell Cementing, Inc.
Contractor	SOUTH WIND DRILLING, Rig #3 "Jay"	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	PRODUCTION STRAING	Charge To	MAE OIL OPERATIONS INC.		
Hole Size	7 7/8	T.D.	3440'	Street	
Csg.	5 1/2 NEW 14#	Depth	3437'	City	
Tbg. Size	8 5/8 SURFACE	Depth	514'	State	
Tool	LATCH DOWN PLUG @ 3416'	Depth	3416'	The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.	21.02	Shoe Joint	21.02	Cement Amount Ordered	160 SX 40 10% SALT
Meas Line		Displace	83.35	2.9 Gal 1/4" FLO. SEAL	PA SX.

EQUIPMENT

Pumptrk	18	No.	Cementer	Glenn G.	Helper	Cody B.	Poz. Mix
Bulktrk	14	No.	Driver	Clayton B.	Driver	Tyler O.	Gel.
Bulktrk		No.	Driver		Driver		Calcium

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48 1,000 Gal
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand
	Handling
	Mileage

FLOAT EQUIPMENT

RAN BA NEW JOINTS OF 14# STCSG SET @ 3437, RECEIVED CIRCULATION DROP "AFU" BALL, CIRCULATE HR. PUMP MUD FLUSH & CEMENT W/ 130 SX TO 10% SALT 28gal 1/4 FLO SEAL CLEAR-LINE, RELEASE LATCH DOWN PLUG @ Displace 83 1/2 BBL H ₂ O, AND Plug @ 1500 FT.	5 1/2" FLOAT EQUIPMENT Guide Shoe Centralizer TURBO X 8 Baskets AFU Inserts Float Shoe X 1 Latch Down X 1
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Release Pressure & "AFU-Plug" Held!	Pumptrk Charge Mileage
THANKS [Signature]	Tax Discount Total Charge

X Signature