

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1239134
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: _____

1239134

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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Form	ACO1 - Well Completion
Operator	Mai Oil Operations, Inc.
Well Name	B & R Dechant 2
Doc ID	1239134

Tops

Name	Top	Datum
Anhydrite	1443	+776
Heebner	3697	-1478
Toronto	3711	-1492
Lansing	3747	-1528
Base Kansas City	4071	-1852
Marmaton	4118	-1899
Fort Scott	4267	-2048
Mississippi	4360	-2141

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
Dechant #2
NW-NW-SE-NE (1490' FNL & 1175' FEL)
Section 19-20s-22w
Ness County, Kansas

Page 1

5 1/2" Production Casing Set

Contractor: Southwind Drilling Co. (rig #2)
Commenced: November 13, 2014
Completed: November 21, 2014
Elevation: 2219' K.B., 2217' D.F., 2210' G.L.
Casing program: Surface; 8 5/8" @ 263'
Production, 5 1/2" @ 4426'
Sample: Samples saved and examined 3500' to the Rotary Total Depth.
Drilling time: One (1) foot drilling time recorded and kept 3500' 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 Completion and Production Services Co.; Dual Induction, Compensated Density/Neutron Log and Micro.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	1443	+776
Base Anhydrite	1478	+741
Heebner	3697	-1478
Toronto	3711	-1492
Lansing	3747	-1528
Stark	4007	-1788
Base Kansas City	4071	-1852
Marmaton	4118	-1899
Pawnee	4198	-1979
Fort Scott	4267	-2048
Cherokee Shale	4291	-2072
Mississippian	4351	-2132
Mississippian Osage	4360	-2141
Rotary Total Depth	4430	-2211
Log Total Depth	4426	-2207

All tops and zones corrected to Electric Log Measurement

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

TORONTO AND LANSING SECTIONS

3711-3726'
3747-4071' There were several zones of well-developed porosity encountered in the drilling of the Toronto and Lansing Sections but no shows of oil and /or gas noted. (See attached Sample Log/Geologist Report)

MARMATON SECTION

4118-4126' Limestone, white, tan, finely crystalline, cherty, poor porosity, no shows.
4146-4156' Limestone, cream, tan, gray, finely crystalline, poor inter-crystalline porosity, chalky; few cherty, no shows.
4161-4197' Limestone, white, cream, chalky, no shows.

PAWNEE SECTION

4197-4220' Limestone, tan, gray finely crystalline, chalky, poor visible porosity, dense.
4220-4260' Limestone, tan, gray finely crystalline, chalky, shaley at base, no shows.

FORT SCOTT SECTION

4267-4280' Limestone, cream, gray, finely crystalline, few fossiliferous, trace stain, no free oil and no odor.
4280-4286' Limestone, tan, brown chalky, poor visible porosity, fair stain and saturation, show of free oil and fair odor in fresh samples.

CHEROKEE SECTION

4291-4314' Limestone, gray, medium crystalline, chalky, plus chert, gray white, opaque.
4321-4350' Limestone, as above, trace white/gray opaque cherts at base.

MISSISSIPPIAN SECTION

4351-4360' Chert, white, opaque, black stain, no free oil and no odor.

MISSISSIPPIAN "OSAGE" SECTION

4360-4368' Chert, white, boney, trace black spotty stain, trace of free oil; plus dolomite, tan/gray, finely crystalline, poor to fair pinpoint type porosity, light brown stain, show of free oil and fair odor in fresh samples.

Drill Stem Test #1 **4302-4372**
(Log Measurements 4298-4368)

Times: 30-30-45-45

Blow: Strong

**Recovery: 166' gassy oil
282' slightly oil and gas cut mud
(10% gas; 10% oil; 80% mud)**

**Pressures: ISIP 1360 psi
FSIP 1356 psi
IFP 72-102 psi
FFP 102-200 psi
HSH 2192-2152 psi**

4368-4380' Dolomite, tan, white, finely crystalline, sucrosic, fair porosity, fair stain, show of free oil and odor.

4382-4400' Dolomite, white/cream, finely crystalline, sucrosic, poor visible porosity, brown stain, light show of free oil plus white/cream, yellow, boney chert; spotty stain, trace of free oil.

4400-4420' Chert, as above.


4420-4426' Chert as above, trace tan, white, dolomite, poor to fair inter-crystalline porosity, spotty stain, trace of free oil and faint odor in fresh samples.

Rotary Total Depth 4430
Log Total Depth 4426

Recommendations:

The 5 1/2" production casing was set and cemented on Mai Oil Operation Inc., B&R Dechant #2.

Respectfully yours,


Wyatt Urban
Petroleum Geologist



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mai Oil Production, Inc
 8411 Preston RD STE 800
 Dallas, TX 75225
 ATTN: Wyatt Urban

19-20s-22w Ness,KS
B&R Dechant #2
 Job Ticket: 60980 **DST#: 1**
 Test Start: 2014.11.19 @ 18:49:00

GENERAL INFORMATION:

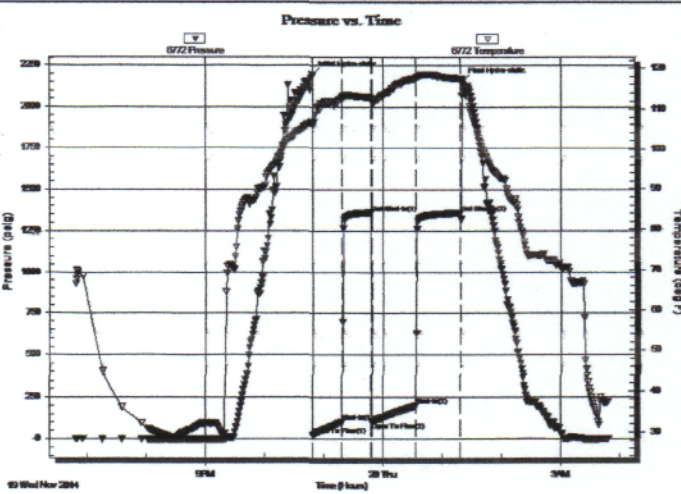
Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:48:30
 Time Test Ended: 03:48:30
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Phillip Gage
 Unit No: 72
 Interval: **4302.00 ft (KB) To 4372.00 ft (KB) (TVD)**
 Total Depth: 4372.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Reference Elevations: 2218.00 ft (KB)
 2209.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 6772

Outside

Press@RunDepth: 200.34 psig @ 4303.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.11.19 End Date: 2014.11.20 Last Calib.: 2014.11.20
 Start Time: 18:49:05 End Time: 03:48:30 Time On Btm: 2014.11.19 @ 22:48:15
 Time Off Btm: 2014.11.20 @ 01:20:15

TEST COMMENT: 30-IF-BOB in 15 mins.
 30-ISI-No Return
 45-FF-BOB in 16 mins.
 45-FSI-1/4" Return, died in 20 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2192.40	106.62	Initial Hydro-static
1	22.75	106.02	Open To Flow (1)
30	102.04	112.63	Shut-In(1)
60	1360.08	112.89	End Shut-In(1)
61	102.28	112.01	Open To Flow (2)
106	200.34	117.42	Shut-In(2)
150	1356.83	117.43	End Shut-In(2)
152	2152.00	116.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
282.00	SGOCM, 10%g, 10%o, 80%m	3.96
166.00	GO, 30%g, 70%o	2.33
0.00	GP-50'	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. 722

Date	11-13-14	Sec.	12	Twp.	16	Range	13	County	Now Atch	State	KS	On Location		Finish	11:00 PM
Location												Buzina 3W 100 AA Rd. 415 to 400 Rd 2100 Y Rd 155 W 100			
Lease	BNR Dec hant			Well No.	12			Owner							
Contractor								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								Charge To							
Hole Size								To							
Csg.								Street							
Tbg. Size								City							
Tool								State							
Cement Left in Csg.								The above was done to satisfaction and supervision of owner agent or contractor.							
Meas Line								Cement Amount Ordered							
Displace								170 60/40 36cc 2% gel							
EQUIPMENT															
Pumptrk	No.	Cementer	Common												
5		Helper	102												
Bulktrk	No.	Driver	Poz. Mix												
14		Driver	68												
Bulktrk	No.	Driver	Gel												
PU		Driver	3												
		Driver	Calcium												
		Driver	887												
JOB SERVICES & REMARKS															
Remarks:															
Rat Hole															
Mouse Hole															
Centralizers															
Baskets															
DV or Port Collar															
Handling															
Mileage															
FLOAT EQUIPMENT															
Guide Shoe															
Centralizer															
Baskets															
AFU Inserts															
Float Shoe															
Latch Down															
Pumptrk Charge															
Mileage															
Tax															
Discount															
Total Charge															
Signature															

Cement
Circulated

Quality Oilwell
Cementing

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. 698

Date	11-21-14	Sec.	19	Twp.	20	Range	22	County	Ness	State	KS	On Location		Finish	5:45AM
Lease								Location		Bazine, 3w to AARd, 95 to 40 Rd, 2w to Y Rd					
BNR D								Well No. 1		Owner 1 1/2 S, wn 2					
Contractor Southwind								2		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 long string										Charge To Mai Oil					
Hole Size 7 7/8								T.D. 4430		Street					
Csg. 5 1/2 14 #								Depth 4424		Tbg. Size					
Tbg. Size								Depth		City					
Tool								Depth		State					
Cement Left in Csg.								Shoe Joint 20.50		The above was done to satisfaction and supervision of owner agent or contractor.					
Meas Line								Displace 107 1/2		Cement Amount Ordered 175sx 60/40, 2% gel, 10% salt					
										1/4 # Flow					
										Common					
EQUIPMENT										Poz. Mix					
Pumptrk 17								No. Cementer Helper Lonnie W		Gel.					
Bulktrk 9								No. Driver Tyson		Calcium					
Bulktrk P4								No. Driver Travis		Hulls					
JOB SERVICES & REMARKS										Salt					
Remarks:										Flowseal					
Rat Hole 30 sx										Kol-Seal					
Mouse Hole 15 sx										Mud CLR 48 1000 gal					
Centralizers 1,2,3,4,68										CFL-117 or CD110 CAF 38					
Baskets 69										Sand					
DNV or Port Collar #69 at 1472										Handling					
Pipe on bottom broke circulation. Pumped 1000 gal Mud CLR 48 with 10 bbl fw behind it. Plugged Rat hole with 30sx and Mouse hole with 15 sx. Hooked to 5 1/2 and Mixed 130 sx. Shut down washed pump and lines. Released plug and displaced with 107 1/2 bbl fw. Plug landed and held.										Mileage					
										FLOAT EQUIPMENT					
										Guide Shoe					
										Centralizer 5 turbos					
										Baskets 1 Red					
										AFU Inserts					
										Float Shoe					
										Latch Down 1					
										1 Port collar					
										Pumptrk Charge					
										Mileage					
										Tax					
										Discount					
										Total Charge					
Signature								William Adams							

JOB LOG

SWIFT Services, Inc.

DATE 2 JAN 15 PAGE NO.

CUSTOMER NTHI OPERATION WELL NO. LEASE DECHANT 3#R#2 JOB TYPE CEMENT PORT COLLAR TICKET NO. 28181

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1100							ON LOCATION
								PORT COLLAR @ 1472
	1149				✓		1000	TEST-HELD
	1151							OPEN PORT COLLAR
1154	1154	4	77½	✓		300		MIX 140Sx SMD
		3	8	✓				DISPLACE CEMENT
								CIRCULATE 20Sx TO PIT
	1216				✓		1000	CLOSE PORT COLLAR - TEST-HELD
	1223							RUN 4 JTS.
	1229	4	22		✓		200	REVERSE CLEAN
	1238							WASH TRUCK
	1300							JOB COMPLETE.
								THANKS B/15
								JASON DAVE JARED