



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1096753
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: _____



1096753

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: 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. <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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Form	ACO1 - Well Completion
Operator	Mai Oil Operations, Inc.
Well Name	German 1
Doc ID	1096753

Tops

Name	Top	Datum
Heebner	2669	-923
Toronto	2693	-947
Douglas	2705	-959
Brown Lime	2801	-1055
Lansing	2835	-1089
Kinderhook	3221	-1475
Maquoketa	3271	-1525
Viola	3315	-1569
Arbuckle	3422	-1676
Simpson	3353	-1607
Arbuckle	3422	-1676

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

October 09, 2012

Allen Bangert
Mai Oil Operations, Inc.
8411 PRESTON RD STE 800
DALLAS, TX 75225-5520

Re: ACO1
API 15-159-22668-00-00
German 1
NE/4 Sec.06-19S-07W
Rice County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Allen Bangert

JAMES C. MUSGROVE

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

Office (620) 588-4250

Res. Claflin (620) 587-3444

Mai Oil Operations
German #1
NW-SE-NE-NE (965' FNL & 575' FEL)
Section 6-19s-7w
Rice County, Kansas
Page 1

Dry and Abandoned

Contractor: Southwind Drilling Co. (Rig #3)
Commenced: July 20, 2012
Completed: July 28, 2012
Elevation: 1746' K.B; 1744' D.F; 1738' G.L.
Casing program: Surface; 8 5/8" @ 348'
Production; none.
Sample: Samples saved and examined 2600' to the Rotary Total Depth.
Drilling time: One (1) foot drilling time recorded and kept 2600 ft to the Rotary Total Depth.
Measurements: All depths measured from the Kelly Bushing.
Formation Tests: There was one (1) Drill Stem Test ran by Trilobite Testing Co.
Electric Log: By Superior Well Services; Dual Induction, Compensated Density/Neutron and Micro.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Heebner	2669	-923
Toronto	2693	-947
Douglas	2705	959
Brown Lime	2801	-1055
Lansing	2835	-1089
Miss/Conglomerate	3213	-1467
Kinderhook	3221	-1475
Maquoketa	3271	-1525
Viola	3315	-1569
Simpson	3353	-1607
Simpson Sand	3385	-1639
Arbuckle	3422	-1676
Rotary Total Depth	3470	-1724
Log Total Depth	3471	-1725

(All tops and zones corrected to Electric Log measurements).

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

LANSING SECTION

2835-3136' There were several zones of well-developed porosity encountered in the drilling of the Lansing section but no show of oil and/or gas was noted (see attached Sample Log).

ODESSA 'M' ZONE SECTION

3138-3146' Limestone; gray and white, finely crystalline, oolitic, fair intercrystalline and vuggy and pinpoint porosity, dark brown stain and saturation, show of free oil and faint odor in fresh samples.

Drill Stem Test #1 3111-3158'

Times: 30-30-30-30

Blow: Weak

Recovery: 12' mud, with oil specks

Pressures: ISIP 40 psi
FSIP 43 psi
IFP 23-18 psi
FFP 13-21 psi
HSH 1547-1509 psi

MISSISSIPPIAN/CONGLOMERATE SECTION

3212-3219' Chert; red, orange, yellow, peach, boney, no shows.

KINDERHOOK SECTION

3221-3261' Varied colored silty and sandy shale, no sand body encountered.

MAQUOKETA SECTION

3281-3315' Dolomitic; gray, light gray, shale.

VIOLA SECTION

3315-3330' Limestone; white, gray, fine and medium crystalline, dolomitic, chalky luster, no shows.

3330-3354' Limestone; as above, trace clear, white, medium crystalline, dolomite, no shows.

SIMPSON SECTION

3354-3360' Sand; tan, gray, very fine grained, poorly developed, dolomitic in part.

3361-3376' Sand; as above, plus trace light gray, medium crystalline, dolomite, no shows.

3385-3401' Sand; white, clear, very fine grained, sub rounded, friable in part, glauconitic, poor visible porosity, plus iron pyrite.

ARBUCKLE SECTION

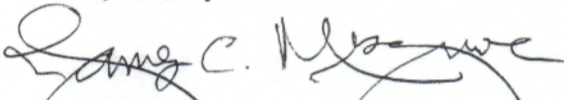
- | | |
|------------|---|
| 3423-3440' | Dolomite; white, gray, tan, medium and coarse crystalline, good intercrystalline and vuggy type porosity, no shows. |
| 3440-3456' | Dolomite; as above, plus white oolitic, chert, trace iron pyrite, no shows. |
| 3456-3471' | Dolomite; tan, gray, oomoldic, fair oomoldic porosity, no shows. |

Rotary Total Depth **3470 (-1724)**
Log Total Depth **3471 (-1725)**

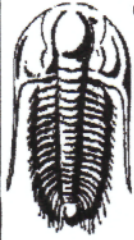
Recommendation:

The German #1 was plugged and abandoned at the RTD 3470.

Respectfully submitted;


James C. Musgrove,
Petroleum Geologist





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mai Oil Operations, Inc.
8411 Preston Rd. Ste. # 800
Dallas, TX 75225
ATTN: Jim Musgrove

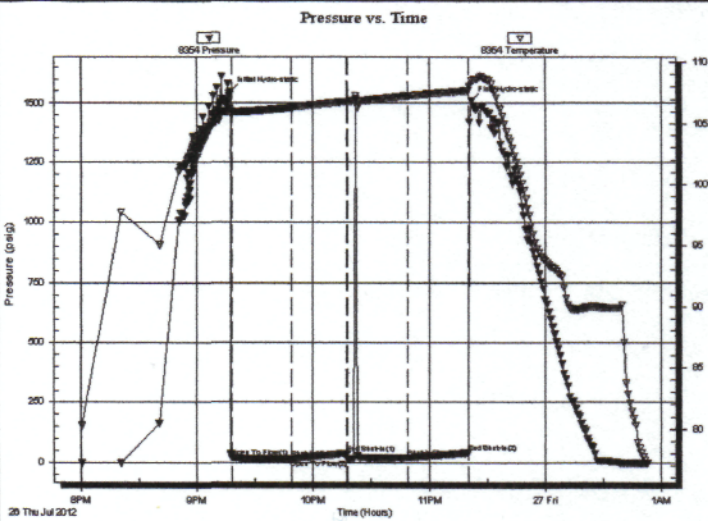
6-19s-7w Rice,KS
German #1
Job Ticket: 47973 **DST#: 1**
Test Start: 2012.07.26 @ 19:50:30

GENERAL INFORMATION:

Formation: **Lansing**
 Deviated: **No** Whipstock: ft (KB)
 Time Tool Opened: 21:17:50
 Time Test Ended: 00:53:30
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Rash
 Unit No: 38
 Interval: **3111.00 ft (KB) To 3158.00 ft (KB) (TVD)**
 Total Depth: 3158.00 ft (KB) (TVD)
 Reference Elevations: 1746.00 ft (KB)
 1738.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 8.00 ft

Serial #: 8354 **Inside**
 Press@RunDepth: 20.95 psig @ 3150.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.07.26 End Date: 2012.07.27 Last Calib.: 2012.07.27
 Start Time: 20:00:30 End Time: 00:53:30 Time On Btm: 2012.07.26 @ 21:17:10
 Time Off Btm: 2012.07.26 @ 23:22:00

TEST COMMENT: IF-Few surface bubbles. Died.
 ISI-No Return.
 FF-No Blow . Flushed Tool. No Blow .
 FSI-No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1546.90	106.29	Initial Hydro-static
1	22.57	106.00	Open To Flow (1)
32	17.82	106.36	Shut-In(1)
61	40.10	106.83	End Shut-In(1)
61	12.64	106.83	Open To Flow (2)
92	20.95	107.28	Shut-In(2)
124	42.65	107.70	End Shut-In(2)
125	1508.79	108.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
12.00	2%Oil/98%Mud	0.17

Gas Rates

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

ALLIED OIL & GAS SERVICES, LLC 056459

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Russell

DATE <u>7-20-12</u>	SEC. <u>6</u>	TWP. <u>19S</u>	RANGE <u>7W</u>	CALLED OUT	ON LOCATION	JOB START <u>PM 5:15 PM</u>	JOB FINISH
LEASE <u>GERMAN</u>	WELL # <u>#1</u>	LOCATION <u>Lyons Ks. Hwy 9 + 14 Jct</u>			COUNTY <u>Rice</u>	STATE <u>KANSAS</u>	
OLD OR NEW (Circle one)		<u>6 S. 4 E 1/4 S 1/4 W INTO</u>					

CONTRACTOR Southwind Dalg. Rig #

TYPE OF JOB Cement Surface

HOLE SIZE 12 1/4 T.D. 348

CASING SIZE 8 5/8 New DEPTH 348

TUBING SIZE 20" CSG. DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 2 1/4 / BBL

OWNER

CEMENT

AMOUNT ORDERED 225 SX Comm

3% cc

2% Gel

COMMON 135 SX @ 16.25

POZMIX 90 SX @ 8.50

GEL 4 SX @ 21.25

CHLORIDE 8 SX @ 58.20

ASC @

HANDLING 237 Tax SX @ 2.25

MILEAGE 41 Tax Mile @ 11.4

EQUIPMENT

PUMP TRUCK CEMENTER Glen G.

417 HELPER Woody O.

BULK TRUCK

410 DRIVER Walt K.

BULK TRUCK

DRIVER

REMARKS:

Ran 8 New Joints of 20" 8 5/8 reg.

Set @ 348 Received Circulation

+ Cement w/ 225 SX Comm 3% cc 2% gel

+ Displace 2 1/4 / BBL from 11" Below

Cement Did Circulate

to Surface.

Thank you

TOTAL _____

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE @ _____

MILEAGE 41 11.4 @ _____

MANIFOLD 41 11.4 @ _____

CHARGE TO: Mat Oil Operations Inc.

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL _____

PLUG & FLOAT EQUIPMENT

@ _____

@ _____

@ _____

@ _____

@ _____

TOTAL _____

To: Allied Oil & Gas Services, LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____

TOTAL CHARGES _____

PRINTED NAME Jay Kriech

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Jay Kriech

