



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1107604
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: _____



1107604

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> _____
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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	Schmitt 5
Doc ID	1107604

Tops

Name	Top	Datum
Anhydrite	764	+1014
Tarkio Lime	2415	-637
Topeka	2679	-901
Heebner	2907	-1129
Toronto	2924	-1146
Lansing	2967	-1189
Base Kansas City	3174	-1396
Arbuckle	3219	-1441

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

January 11, 2013

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

Re: ACO1
API 15-167-23837-00-00
Schmitt 5
SE/4 Sec.04-15S-14W
Russell 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 Inc.
Schmitt #5
330' FSL & 1985' FEL (E/2-SW-SW-SE)
Section 4-15s-14w
Russell County, Kansas
Page 1

5 1/2" Production Casing Set

Contractor: Southwind Drilling Co. (Rig #3)
Commenced: November 13, 2012
Completed: November 19, 2012
Elevation: 1778' K.B; 1776' D.F; 1770' G.L.
Casing program: Surface; 8 5/8" @ 473'
Production; 5 1/2" @ 3299'
Sample: Samples saved and examined 2200' to the Rotary Total Depth.
Drilling time: One (1) foot drilling time recorded and kept 2200 ft. to the Rotary Total Depth.
Measurements: All depths measured from the Kelly Bushing.
Drill Stem Tests: There were four (4) 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 Log.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	764	+1014
Base Anhydrite	801	+977
Grand Haven	2344	-566
1 st Tarkio Sand	2354	-576
Dover	2369	-591
2 nd Tarkio Sand	2376	-598
Tarkio Lime	2415	-637
3 rd Tarkio Sand	2434	-656
Elmont	2477	-699
Howard	2616	-838
Topeka	2679	-901
Heebner	2907	-1129
Toronto	2924	-1146
Lansing	2967	-1189
Base Kansas City	3174	-1396
Arbuckle	3219	-1441
Rotary Total Depth	3300	-1522
Log Total Depth	3298	-1520

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

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

1ST TARKIO SAND SECTION

2354-2364' Sand; gray, very fined grained, micaceous, silty, poorly developed, no shows.

2ND TARKIO SAND SECTION

2369-2387' Sand; gray, grayish green, very fine grained, micaceous, sub rounded, fair sorting, friable, fair intergranular porosity, brown stain & saturation, show of free and odor in fresh samples.

Drill Stem Test #1 2349-2400'

Times: 30-30-45-45

Blow: Strong

Recovery: 240' gas in pipe
70' very slightly oil cut mud
(3% oil, 97% mud)

Pressures: ISIP 570 psi
FSIP 566 psi
IFP 32-42 psi
FFP 46-60 psi
HSH 1123-1089 psi

3RD TARKIO SAND SECTION

2434-2439' Sand; gray, fine & medium grained, sub rounded, friable, trace poor stain, weak show of free oil and no odor in fresh samples.

TOPEKA SECTION

2868-2880' Limestone; white, gray, finely crystalline, scattered pin point and intercrystalline porosity, brown and golden brown stain, trace of free oil and no odor in fresh samples.

TORONTO SECTION

2924-2940' Limestone; cream, white, finely crystalline, scattered vuggy porosity, black/brown and gray stain, no free oil and no odor in fresh samples.

LANSING SECTION

2968-2980' Limestone; white, finely crystalline, fossiliferous in part, chalky, fair porosity, golden brown stain, trace of free oil and odor in fresh samples.

2990-2995' Limestone; white/gray, fossiliferous, sub oomoldic, brown spotty stain, trace of free oil and no odor in fresh samples.

3006-3016' Limestone; cream, white, finely crystalline, oomoldic, chalky, poor stain, no show of free oil and questionable odor in fresh samples.

Drill Stem Test #2 **2982-3025'**

Times: 30-30-45-45
Blow: Weak to fair
Recovery: 65' muddy water

Pressures: ISIP 585 psi
FSIP 568 psi
IFP 28-43 psi
FFP 46-60 psi
HSH 1521-1481 psi

- 3036-3046' Limestone; gray, fossiliferous, oolitic, mottled, chalky, no shows.
3051-3057' Limestone; tan, oolitic, chalky, trace poor stain, no show of free oil and no odor.
3064-3076' Limestone; white, sub oomoldic, chalky, poor and fair porosity, no shows.
3111-3120' Limestone; gray, white, fossiliferous, chalky, poor visible porosity, no shows.
3132-3142' Limestone; gray and white, fossiliferous in part, slightly chalky, few cherty, poor visible porosity, no shows.
3150-3161' Limestone; brown, finely crystalline, chalky, poor porosity, no shows.

ARBUCKLE SECTION

- 3219-3231' Dolomite; white and cream, medium crystalline, fair to good intercrystalline porosity, brown and golden brown stain, show of free oil and fair odor in fresh samples.

Drill Stem Test #3 **3200-3231'**

Times: 30-30-45-45
Blow: Strong
Recovery: 210' gas in pipe
440' gassy oil
30' oil cut mud
(10% gas, 15% oil, 75% mud)

Pressures: ISIP 643 psi
FSIP 638 psi
IFP 19-97 psi
FFP 102-189 psi
HSH 1636-1591 psi

3231-3240' Dolomite; as above, medium and coarse crystalline, fair to good intercrystalline porosity, brown and light brown stain, show of free oil and faint and fair odor in fresh samples.

Drill Stem Test #4 **3231-3240'**

Times: 30-30-30-30

Blow: Strong

Recovery: 240' gas in pipe
935' gassy oil
10' oil and gas cut mud
(15% gas, 35% oil, 50% mud)

Pressures: ISIP 557 psi
FSIP 566 psi
IFP 64-254 psi
FFP 271-363 psi
HSH 1622-1600 psi

3240-3260' Dolomite; as above, sandy, poor stain, trace of free and questionable odor in fresh samples.

3260-3270' Dolomite; as above, few chalky luster, no shows.

3270-3290' Dolomite; white, gray, medium and coarse crystalline, fair porosity, highly sandy, no shows.

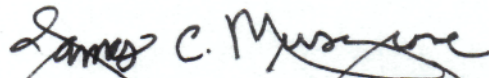
3290-3298' Dolomite; as above, plus abundant tan, dolomitic sand, no shows.

Rotary Total Depth 3300
Log Total Depth 3298

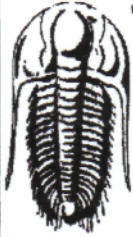
Recommendations:

5 1/2" production casing was set and cemented on the Schmitt #5.

Respectfully submitted;


James C. Musgrove,
Petroleum Geologist





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mai Oil Operations Inc
 8411 Preston Road
 Suite 800
 Dallas, TX 75225
 ATTN: Jim Musgrove

4-15s-14w Russell,KS

Schmitt #5

Job Ticket: 48731

DST#: 1

Test Start: 2012.11.16 @ 04:41:08

GENERAL INFORMATION:

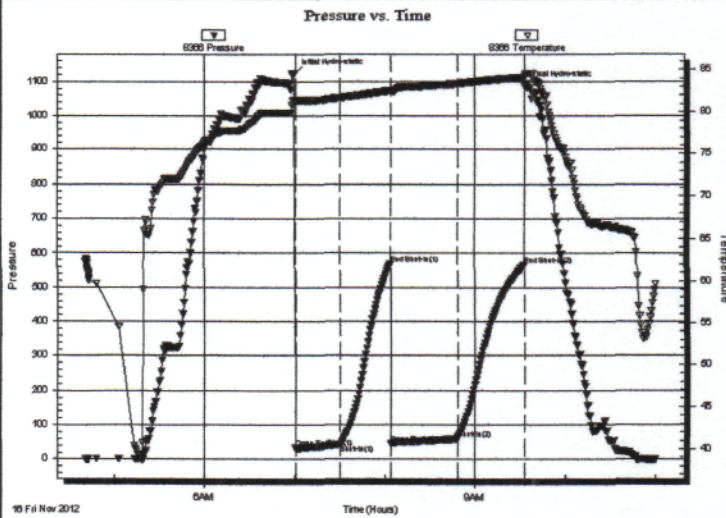
Formation: **Tarkio**
 Deviated: **No** Whipstock: **0.00 ft (KB)**
 Time Tool Opened: 07:00:38
 Time Test Ended: 11:00:08
 Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Jason McLemore**
 Unit No: **54**
 Interval: **2349.00 ft (KB) To 2400.00 ft (KB) (TVD)**
 Total Depth: **2400.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Reference Elevations: **1777.00 ft (KB)**
1770.00 ft (CF)
 KB to GR/CF: **7.00 ft**

Serial #: 8366

Inside

Press@RunDepth: **59.59 psig @ 2387.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2012.11.16** End Date: **2012.11.16** Last Calib.: **2012.11.16**
 Start Time: **04:41:10** End Time: **11:00:08** Time On Btm: **2012.11.16 @ 07:00:08**
 Time Off Btm: **2012.11.16 @ 09:32:53**

TEST COMMENT: IFP-Strong, BOB in 5 Min.
 ISI-Blow back Built to 1/4"
 FFP_Strong, BOB on Open
 FSI-Dead



PRESSURE SUMMARY

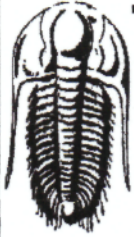
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1123.27	81.47	Initial Hydro-static
1	32.28	81.21	Open To Flow (1)
30	42.24	81.71	Shut-In(1)
64	569.73	82.53	End Shut-In(1)
64	45.58	82.42	Open To Flow (2)
108	59.59	83.36	Shut-In(2)
153	565.86	84.10	End Shut-In(2)
153	1088.56	84.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	VSOCM-3%O-97%M	0.98
0.00	240' Gas In Pipe	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mai Oil Operations Inc
8411 Preston Road
Suite 800
Dallas, TX 75225
ATTN: Jim Musgrove

4-15s-14w Russell, KS

Schmitt #5

Job Ticket: 48732

DST#: 2

Test Start: 2012.11.17 @ 10:46:36

GENERAL INFORMATION:

Formation: **B-C**
 Deviated: **No** Whipstock: **0.00 ft (KB)**
 Time Tool Opened: **11:55:51**
 Time Test Ended: **15:56:36**
 Interval: **2982.00 ft (KB) To 3025.00 ft (KB) (TVD)**
 Total Depth: **3025.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole (Reset)**
 Tester: **Jason McLemore**
 Unit No: **54**
 Reference Elevations: **1777.00 ft (KB)**
1770.00 ft (CF)
 KB to GR/CF: **7.00 ft**

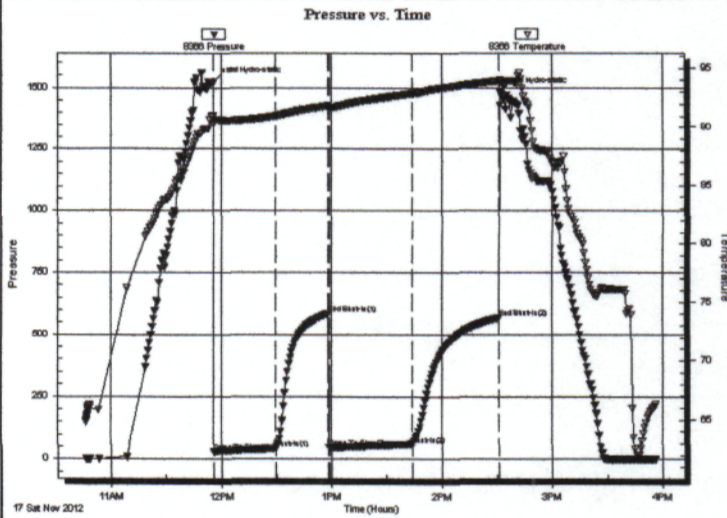
Serial #: 8366

Inside

Press@RunDepth: **59.62 psig @ 3017.00 ft (KB)**
 Start Date: **2012.11.17** End Date: **2012.11.17**
 Start Time: **10:46:38** End Time: **15:56:36**

Capacity: **8000.00 psig**
 Last Calib.: **2012.11.17**
 Time On Btm: **2012.11.17 @ 11:55:36**
 Time Off Btm: **2012.11.17 @ 14:31:51**

TEST COMMENT: IFF-Weak Blow , Built to 4-1/2"
 ISI-Dead
 FFP-Weak Blow , Built to 3-1/2"
 FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1520.70	91.00	Initial Hydro-static
1	28.25	90.31	Open To Flow (1)
34	42.96	90.98	Shut-In(1)
63	585.01	91.86	End Shut-In(1)
63	45.61	91.63	Open To Flow (2)
108	59.62	92.88	Shut-In(2)
156	567.57	93.95	End Shut-In(2)
157	1480.82	93.90	Final Hydro-static

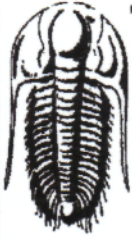
Recovery

Length (ft)	Description	Volume (bbl)
65.00	Muddy Water-95%W-5%M	0.91

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mai Oil Operations Inc
 8411 Preston Road
 Suite 800
 Dallas, TX 75225
 ATTN: Jim Musgrove

4-15s-14w Russell,KS

Schmitt #5

Job Ticket: 48733

DST#: 3

Test Start: 2012.11.18 @ 10:32:05

GENERAL INFORMATION:

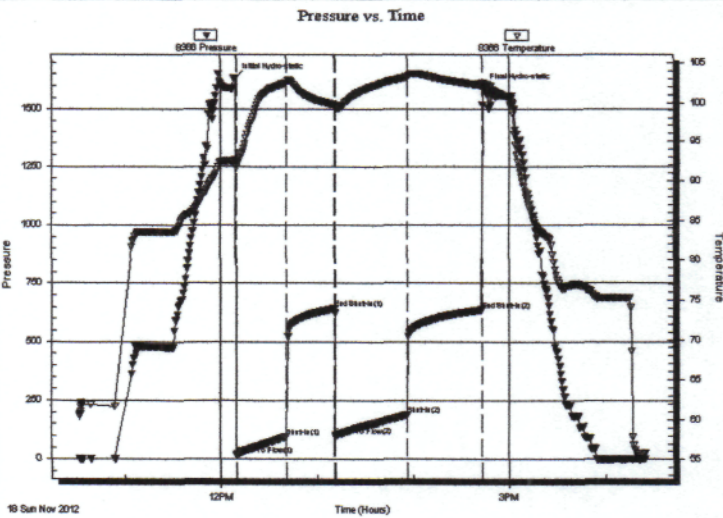
Formation: **Arbuckle**
 Deviated: **No** Whipstock: **0.00 ft (KB)**
 Time Tool Opened: 12:09:35
 Time Test Ended: 16:24:50
 Interval: **3200.00 ft (KB) To 3231.00 ft (KB) (TVD)**
 Total Depth: **3231.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole (Reset)**
 Tester: **Jason McLemore**
 Unit No: **54**
 Reference Elevations: **1777.00 ft (KB)**
1770.00 ft (CF)
 KB to GR/CF: **7.00 ft**

Serial #: 8366

Inside

Press@RunDepth: **188.92 psig @ 3203.00 ft (KB)**
 Start Date: **2012.11.18** End Date: **2012.11.18**
 Start Time: **10:32:07** End Time: **16:24:50**
 Capacity: **8000.00 psig**
 Last Calib.: **2012.11.18**
 Time On Btm: **2012.11.18 @ 12:09:05**
 Time Off Btm: **2012.11.18 @ 14:43:50**

TEST COMMENT: IFF-Strong, BOB in 5 Min.
 ISI-Blow back built to 2"
 FFP-Strong, BOB in 7 Min
 FSI-Blow back Built to 1/2"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1636.15	92.60	Initial Hydro-static
1	18.74	91.67	Open To Flow (1)
32	97.15	102.47	Shut-In(1)
62	642.98	99.73	End Shut-In(1)
63	101.78	99.47	Open To Flow (2)
107	188.92	103.19	Shut-In(2)
154	638.21	102.14	End Shut-In(2)
155	1590.92	102.32	Final Hydro-static

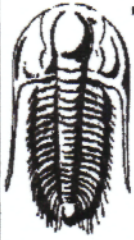
Recovery

Length (ft)	Description	Volume (bbl)
30.00	OCM-10%G-15%O-75%M	0.42
440.00	Gassy Oil-30%G-70%O	6.17
0.00	210' Gas in Pipe	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mai Oil Operations Inc
8411 Preston Road
Suite 800
Dallas, TX 75225
ATTN: Jim Musgrove

4-15s-14w Russell, KS

Schmitt #5

Job Ticket: 48734

DST#: 4

Test Start: 2012.11.18 @ 20:56:02

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 22:36:32

Time Test Ended: 02:59:17

Test Type: Conventional Bottom Hole (Reset)

Tester: Jason McLemore

Unit No: 54

Interval: **3231.00 ft (KB) To 3240.00 ft (KB) (TVD)**

Total Depth: 3240.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1777.00 ft (KB)

1770.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8366

Inside

Press@RunDepth: 362.88 psig @ 3234.00 ft (KB)

Start Date: 2012.11.18

End Date:

2012.11.19

Start Time: 20:56:04

End Time:

02:59:17

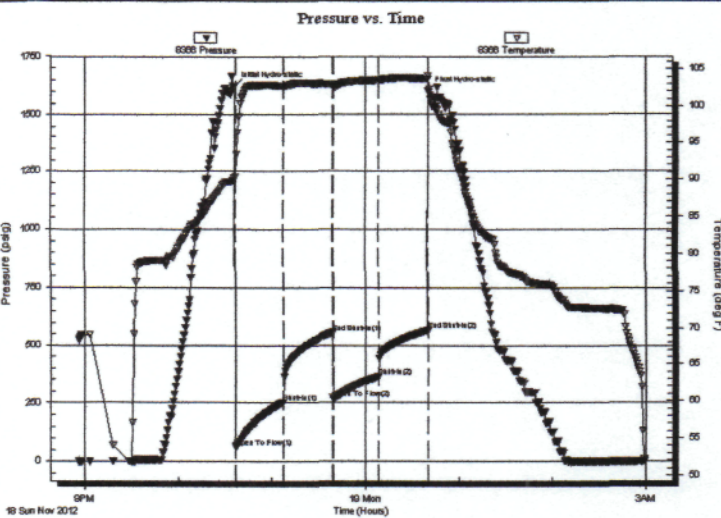
Capacity: 8000.00 psig

Last Calib.: 2012.11.19

Time On Btm: 2012.11.18 @ 22:35:47

Time Off Btm: 2012.11.19 @ 00:40:17

TEST COMMENT: IFP-Strong, BOB in 30 Seconds
ISI-Blow back Built to 2-1/2"
FFP- Strong, BOB in 2 Min.
Blow back Built to 1/2"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1622.30	90.06	Initial Hydro-static
1	63.83	90.29	Open To Flow (1)
32	253.88	102.71	Shut-In(1)
64	556.95	102.96	End Shut-In(1)
64	271.08	102.77	Open To Flow (2)
93	362.88	103.53	Shut-In(2)
125	566.03	103.71	End Shut-In(2)
125	1599.75	104.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	GOCM-15%G-35%O-50%M	0.14
935.00	Gassy Oil-30%G-70%O	13.12
0.00	240' Gas In Pipe	0.00

* Recovery from multiple tests

Gas Rates

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

ALLIED OIL & GAS SERVICES, LLC 056576

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Russell KS

DATE <u>11-14-12</u>	SEC. <u>4</u>	TWP. <u>15</u>	RANGE <u>14</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Schnitt</u>		WELL# <u>5</u>	LOCATION <u>Russell KS 85 1/2 W Ninto</u>			COUNTY <u>Russell</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Southwind #3
 TYPE OF JOB surface
 HOLE SIZE 12 1/4 T.D. 473
 CASING SIZE 8 5/8 23# DEPTH 473.35
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 15'
 CEMENT LEFT IN CSG. 15'
 PERFS.
 DISPLACEMENT 29661

OWNER

CEMENT
 AMOUNT ORDERED 225 69/40 39cc 29gel

COMMON	<u>135</u>	@	<u>17.90</u>	<u>2416.50</u>
POZMIX	<u>90</u>	@	<u>9.35</u>	<u>841.50</u>
GEL	<u>4</u>	@	<u>23.40</u>	<u>93.60</u>
CHLORIDE	<u>7</u>	@	<u>64.00</u>	<u>448.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>151.60 ft³</u>	@	<u>2.48</u>	<u>375.96</u>
MILEAGE	<u>68.25 +/m</u>		<u>2.60</u>	<u>177.45</u>
TOTAL				<u>4353.01</u>

EQUIPMENT

PUMP TRUCK CEMENTER Robert Y Glenn G.
 # 417 HELPER Woody O
 BULK TRUCK
 # 473 DRIVER Kerry T
 BULK TRUCK
 # DRIVER

REMARKS:

ran 11jts new 8 5/8 23# csg received
circulation mix 225 69/40 39cc 29gel
displaced 29 bbl of water shut in

cement did circulate to surface

Thank you!!

CHARGE TO: Mai Oil

STREET _____

CITY _____ STATE _____ ZIP _____

To: Allied Oil & Gas Services, LLC.

SERVICE

DEPTH OF JOB	<u>473</u>
PUMP TRUCK CHARGE	<u>1512.25</u>
EXTRA FOOTAGE	@
MILEAGE	<u>10 HVMI @ 7.70 77.00</u>
MANIFOLD	@
	<u>10 LVMI @ 4.40 44.00</u>
	@

TOTAL 1633.25

PLUG & FLOAT EQUIPMENT

	@
	@
	@
	@

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. 6191

Date	11-19-12	Sec.	4	Twp.	15	Range	14	County	Russell	State	Ks	On Location	Finish	9:45 PM
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Lease **Schmitt** Well No. **S** Location **Russell, Ks - S to Walter Rd, 1 1/2 W** Owner **M/Ints**

Contractor **Southwind** #3 To Quality Oilwell Cementing, Inc.
Type Job **Production** You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size **7 7/8"** T.D. **3300'** Charge To **Main oil operations**

Csg. **5 1/2" New 14#** Depth **3287.80'** Street _____

Tbg. Size _____ Depth _____ City _____ State _____

Tool _____ Depth _____ The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. **20.08'** Shoe Joint **20.08'** Cement Amount Ordered **150 sx 60/40 18% Salt 2% Gel 1/4#FS**

Meas Line _____ Displace **80 BUS** **100sx 60/40 10% Salt 2% Gel 1/4#Flo seal, 1000gal Mud Clear 48**

EQUIPMENT

Pumptrk	5	No.	Cementer	Brett	Rick	Common
			Helper			Poz. Mix
Bulktrk	8	No.	Driver	Lonnie M		Gel.
			Driver			Calcium
Bulktrk	14	No.	Driver	Billy		

JOB SERVICES & REMARKS

Remarks: _____ Hulls _____
Rat Hole _____ Salt _____
Mouse Hole _____ Flowseal _____
Centralizers **1-7, 9, 11, 22, 24** Mud CLR 48 _____
Baskets **Middle of J+12** CFL-117 or CD110 CAF 38 _____

D/V or Port Collar **pipe on bottom, break Cicc.** Sand _____
Pump **1000 gal Mud Clear 48, plug** Handling _____
Rathole w/30 sx, Hook to casing Mileage _____
1 mix 120 sx 60/40 18% Salt 2% Gel 1/4#

Flo seal, 100 sx 60/40 10% Salt 2% Gel 1/4# **FLOAT EQUIPMENT** _____
Flo seal - shut down, wash pump + lines Guide Shoe _____
Released plug + Displaced with 80 Centralizer **1 turbo's** // _____
BLS of water. Released + held. Baskets _____

Lift pressure 800 # AFU Inserts _____
Land plug to 1700 # Float Shoe **1** _____
Latch Down **1** _____

Pumptrk Charge _____
Mileage _____

Tax _____
Discount _____
Total Charge _____

X Signature *Burt Humeau*