



KANSAS CORPORATION COMMISSION 1088374  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
June 2009  
Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5259  
Name: Mai Oil Operations, Inc.  
Address 1: 8411 PRESTON RD STE 800  
Address 2: \_\_\_\_\_  
City: DALLAS State: TX Zip: 75225 + 5520  
Contact Person: Allen Bangert  
Phone: ( 214 ) 219-8883  
CONTRACTOR: License # 33350  
Name: Southwind Drilling, Inc.  
Wellsite Geologist: Jim Musgrove  
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  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_

<u>02/14/2012</u>	<u>02/21/2012</u>	<u>02/21/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-167-23772-00-00  
Spot Description: \_\_\_\_\_  
NE SE NW SW Sec. 4 Twp. 15 S. R. 14  East  West  
1975 Feet from  North /  South Line of Section  
1355 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Russell  
Lease Name: Schmitt Well #: 1  
Field Name: \_\_\_\_\_  
Producing Formation: Lansing  
Elevation: Ground: 1758 Kelly Bushing: 1766  
Total Depth: 3314 Plug Back Total Depth: 3279  
Amount of Surface Pipe Set and Cemented at: 390 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: 90000 ppm Fluid volume: 80 bbls  
Dewatering method used: Hauled to Disposal  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: Mai Oil Operations, Inc.  
Lease Name: Flegler "A" License #: 5259  
Quarter SW Sec. 3 Twp. 14 S. R. 15  East  West  
County: Russell Permit #: D30856

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

- Letter of Confidentiality Received  
Date: 07/23/2012  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: NAOMI JAMES Date: 07/24/2012



1088374

Operator Name: Mai Oil Operations, Inc. Lease Name: Schmitt Well #: 1  
 Sec. 4 Twp. 15 S. R. 14  East  West County: Russell

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:  CNDL DL Micro	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum Attached Attached Attached
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CASING RECORD <input checked="" 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
Surface	12.25	8.625	20	390	60-40 POZ	225	2% gel, 3% CC
Production	7.875	5.5	14	3310	60-40 POZ	250	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing	-			
___ Plug Back TD				
___ Plug Off Zone	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
3	3152-56, 3126-30, 2995-99, 2980-	7500 gal 20% HCL	
	84, 2958-62		

TUBING RECORD: Size: <u>2 7/8"</u> Set At: <u>3274</u> Packer At: _____ Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>04/26/2012</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
Estimated Production Per 24 Hours	Oil Bbls. <u>15</u> Gas Mcf _____ Water Bbls. <u>50</u> Gas-Oil Ratio _____ Gravity _____

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>2958-3156 O.A.</u>
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Form	ACO1 - Well Completion
Operator	Mai Oil Operations, Inc.
Well Name	Schmitt 1
Doc ID	1088374

Tops

Name	Top	Datum
Anhydrite	756	+1010
Tarkio Lime	2403	-637
Topeka	2669	-903
Heebner	2897	-1131
Toronto	2914	-1148
Lansing	2956	-1190
Base Kansas City	2956	-1398
Arbuckle	3221	-1455

**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  
Schmitt #1  
NE-SE-NW-SE (1975' FSL & 1355' FEL)  
Section 4-15s-14w  
Russell County, Kansas  
Page 1

**5 1/2" Production Casing Set**

**Contractor:** Southwind Drilling Co (Rig #3)  
**Commenced:** February 14, 2012  
**Completed:** February 21, 2012  
**Elevation:** 1766' K.B; 1764' D.F; 1758' G.L.  
**Casing program:** Surface; 8 5/8" @ 390'  
Production; 5 1/2" @3314'  
**Sample:** Samples saved and examined 2200' to the Rotary Total Depth.  
**Drilling time:** One (1) foot drilling time recorded and kept 2200' 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.  
**Electric Log:** By Superior Well Services; Dual Induction, Compensated Density/Neutron Log and Microlog.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	756	+1010
Base Anhydrite	793	+973
Grand Haven	2333	-567
1 <sup>st</sup> Tarkio Sand	2342	-576
Dover	2358	-592
2 <sup>nd</sup> Tarkio Sand	2364	-598
Tarkio Lime	2403	-637
Elmont	2465	-699
Topeka	2669	-903
Heebner	2897	-131
Toronto	2914	-1148
Lansing	2956	-1190
Base Kansas City	3164	-1398
Arbuckle	3221	-1455
Rotary Total Depth	3315	-1549
Log Total Depth	3314	-1548

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

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

**1<sup>ST</sup> TARKIO SECTION**

2343-2351' Sand; gray, brown, fine and medium grained, well rounded, well sorted, friable, poor visible porosity, micaceous in part, no shows.

**3<sup>RD</sup> TARKIO SECTION**

2424-2455' Sand; gray, fine to medium grained, well sorted, micaceous, friable, poor visible porosity, light brown stain, no show of free oil and no odor in fresh samples.

**TOPEKA SECTION**

2669-2680' Limestone; cream, tan, gray, finely crystalline, slightly dolomitic, light brown stain, no show of free oil and no odor in fresh samples.

2825-2840' Limestone; cream, tan, finely crystalline, fossiliferous, poor to fair porosity, black to brown "gummy" stain, no show of free oil and no odor in fresh samples.

2846-2856' Limestone; cream, tan, finely crystalline, fossiliferous, poor to fair intercrystalline type porosity, chalky, few cherty, light brown stain, no show of free oil and no odor in fresh samples.

**TORONTO SECTION**

2914-2924' Limestone; cream, tan, fine and medium crystalline, oolitic, chalky, poor porosity, no shows.

**LANSING SECTION**

2956-2964' Limestone; cream, tan, chalky, poor visible porosity, spotty light brown stain, no show of free oil and fair odor in fresh samples.

2980-2985' Limestone; cream, gray, finely crystalline, oolitic, fair pinpoint type porosity, chalky in part, brown stain, show of free oil and faint odor in fresh samples.

2994-3008' Limestone; cream, white, tan, finely crystalline, oolitic, sub oomoldic, scattered vuggy and oomoldic type porosity, chalky, light brown to golden brown stain, fair show of free oil and good odor in fresh samples.

**Drill Stem Test #1 2966-3009'**

Times: 30-45-45-60  
Blow: Strong

Recovery: 908' gas in pipe  
144' slightly oil and gas cut muddy water  
(25% gas, 10% oil, 25% water, 40% mud)  
124' slightly oil cut muddy water  
(30% gas, 10% oil, 40% water, 20% mud)  
186' muddy water

Pressures: ISIP 669 psi  
FSIP 647 psi  
IFP 34-122 psi  
FFP 130-225 psi  
HSH 1485-1417 psi

- 3034-3039' Limestone; tan, gray, oolitic, chalky, cherty, poor porosity.
- 3040-3045' Limestone; white, tan, gray, finely crystalline, oolitic, poorly visible porosity, no shows.
- 3058-3069' Limestone; cream, tan, finely crystalline, finely oolitic, sub oomoldic, chalky in part, trace dark brown spotty stain, no show of free oil and no odor in fresh samples.
- 3100-3110' Limestone; tan, buff, finely crystalline, slightly oolitic, chalky, few cherty.
- 3118-3131' Limestone; cream, tan, finely crystalline, poorly developed pinpoint type porosity, dark brown stain, no show of free oil and no odor in fresh samples.
- 3142-3155' Limestone; cream, tan, finely crystalline, oolitic, poorly developed porosity, golden brown stain, trace of free oil and no odor in fresh samples.

**MARMATON SECTION**

- 3191-3206' Limestone; tan, buff, finely crystalline, cherty, dense.

**ARBUCKLE SECTION**

- 3221-3223' Dolomite; white, cream, finely crystalline, poor to fair intercrystalline porosity, poor light brown stain, no show of free oil and faint odor in fresh samples.
- 3223-3229' Dolomite; white, cream, fine and medium crystalline, fair intercrystalline porosity, golden brown stain, fair show of free oil and faint odor in fresh samples.

**Drill Stem Test #2 3190-3229'**

Times: 30-30-30-45

Blow: Very weak

Recovery: 3' oil cut mud  
(10% oil, 90% mud)

Pressures: ISIP 54 psi  
FSIP 38 psi  
IFP 17-118 psi  
FFP 16-16 psi  
HSH 1641-1569 psi

- 3229-3235' Dolomite; as above.

Drill Stem Test #3 3226-3235'

Times: 30-30-30-30

Blow: Weak

Recovery: 5' oil cut mud  
(10% oil, 90% mud)

Pressures: ISIP 58 psi  
FSIP 51 psi  
IFP 18-17 psi  
FFP 17-19 psi  
HSH 1663-1605 psi

3235-3246' Dolomite; white, fine and medium crystalline, fair porosity, brown stain, show of free oil and faint odor in fresh samples.

Drill Stem Test #4 3226-3246'

Times: 30-30-30-45

Blow: Strong

Recovery: 403' muddy water

Pressures: ISIP 1128 psi  
FSIP 1130 psi  
IFP 34-110 psi  
FFP 116-197 psi  
HSH 1573-1581 psi

3246-3260' Dolomite; cream, white, medium and coarse crystalline, slightly granular, plus white chert, no shows.

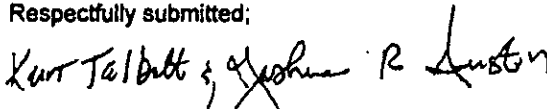
3260-3280' Dolomite; cream, light gray, white, medium and coarse crystalline, sandy in part, trace loose quartz grains.

3280-3315' Dolomite; sandy and quartz as above, no shows.

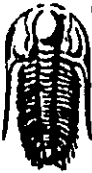
Rotary Total Depth 3315 (-1549)  
Log Total Depth 3314 (-1548)

Recommendations:  
5 1/2" production casing was set and cemented.

Respectfully submitted;



Kurt Talbott and  
Joshua R. Austin,  
Petroleum Geologists



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Mal Oil Operations, Inc.

4/16S/14W-Russell

6411 Preston Rd. Ste. #600  
Dallas, TX 75225

Schmidt #1

Job Ticket: 46911

DST#: 1

ATTN: Kurt Talbot

Test Start: 2012.02.17 @ 06:25:15

**GENERAL INFORMATION:**

Formation: **Tarble**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: **08:21:35**

Time Test Ended: **12:40:45**

Test Type: **Conventional Bottom Hole (Initial)**

Tester: **Dustin Rash**

Unit No: **38**

Interval: **2338.00 ft (KB) To 2400.00 ft (KB) (TVD)**

Total Depth: **2400.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1765.00 ft (KB)**

**1758.00 ft (CF)**

**KB to GRCF: 7.00 ft**

Serial #: **8354**

Inside

Press@RunDepth: **123.54 psig @ 2377.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2012.02.17**

End Date:

**2012.02.17**

Last Callb.:

**2012.02.17**

Start Time: **08:35:15**

End Time:

**12:40:45**

Time On Blm:

**2012.02.17 @ 08:21:05**

Time Off Blm:

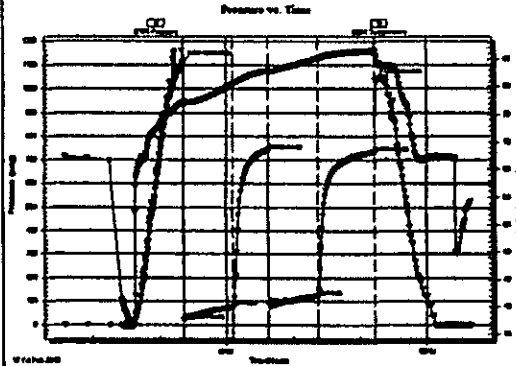
**2012.02.17 @ 11:14:15**

TEST COMMENT: **F-Strong building blow . BOB in 1 minute 30 seconds.**

**ISI-Return @ 15 seconds. Bull to 6 inches.**

**FF-Strong building blow . BOB in 15 seconds. Flammable Gas to surface @ 33 minutes.**

**FBI-Return @ 15 seconds. Bull to 5 inches.**



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1115.45	77.36	Initial Hydro-static
1	21.84	77.25	Open To Flow (1)
45	78.06	80.48	Shut-In(1)
77	741.02	83.07	End Shut-In(1)
77	83.13	82.87	Open To Flow (2)
122	123.54	85.13	Shut-In(2)
173	734.21	86.48	End Shut-In(2)
174	1040.28	86.66	Final Hydro-static

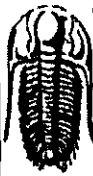
**Recovery**

Length (ft)	Description	Volume (bbl)
188.00	90%Water/10%Mud	2.05
82.00	25%Gas/5%Oil/20%Water/50%Mud	1.15
0.00	2058' G.I.P.	0.00

**Gas Rates**

	Choke (inches)	Pressure (psig)	Gas Rate (MCFG)





**TRILOBITE TESTING, INC**

**DRILL STEM TEST REPORT**

M&I Oil Operations, Inc.  
 8411 Preston Rd. Ste. #800  
 Dallas, TX 75225  
 ATTN: Kurt Tarbot

4/15S/14W-Russell  
 Schmitt #1  
 Job Ticket: 46912 DST#: 2  
 Test Start: 2012.02.18 @ 00:08:30

**GENERAL INFORMATION:**

Formation: LKC "A-C"  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 01:50:20  
 Time Test Ended: 06:40:30

Test Type: Conventional Bottom Hole (Initial)  
 Tester: Dustin Rash  
 Unit No: 38

Interval: 2968.00 ft (KB) To 3009.00 ft (KB) (TVD)  
 Total Depth: 3009.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair

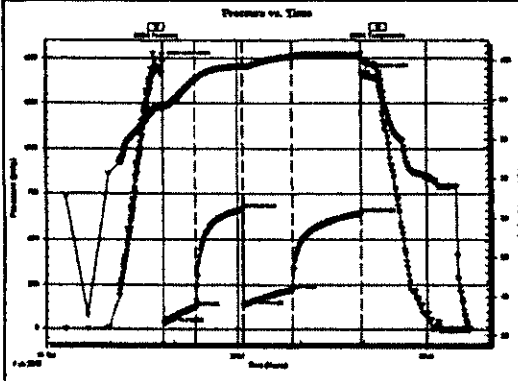
Reference Elevations: 1765.00 ft (KB)  
 1758.00 ft (CF)  
 KB to GRVCF: 7.00 ft

Serial #: 8354

Press @ Run Depth: 224.56 psig @ 3004.00 ft (KB)  
 Start Date: 2012.02.18 End Date: 2012.02.18  
 Start Time: 00:18:30 End Time: 06:40:30

Capacity: 8000.00 psig  
 Last Calc.: 2012.02.18  
 Time On Btm: 2012.02.18 @ 01:50:00  
 Time Off Btm: 2012.02.18 @ 04:58:00

TEST COMMENT: F-Strong building blow. BOB in 4 minutes.  
 SI-Return @ 30 seconds. Bull to 2 1/2 inches.  
 FF-Strong building blow. BOB in 8 minutes.  
 FSI-Return @ 30 seconds. Bull to 3 inches.



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1485.01	88.21	Initial Hydro-static
1	33.97	87.87	Open To Flow (1)
31	122.12	94.94	Shut-in(1)
75	689.17	98.84	End Shut-in(1)
78	129.86	98.50	Open To Flow (2)
122	224.56	101.10	Shut-in(2)
168	646.50	101.38	End Shut-in(2)
188	1417.19	101.82	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
188.00	90% Water/10% Mud	2.61
124.00	30% Gas/10% Oil/40% Water/20% Mud	1.74
144.00	25% Gas/10% Oil/25% Water/40% Mud	2.02
0.00	908' G.L.P.	0.00

**Gas Rates**

	Core (inches)	Pressure (psig)	Gas Rate (MscfD)



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

Mai Oil Operations, Inc.

4/15S/14W-Russell

8411 Preston Rd. Ste. #800  
Dallas, TX 75225

Schmitt #1

Job Ticket: 46913 DST#: 3

ATTN: Kurt Talbot

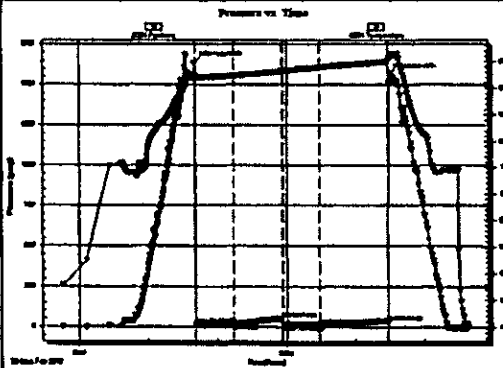
Test Start: 2012.02.20 @ 02:36:15

**GENERAL INFORMATION:**

Formation: Arbuckle  
 Drilled: No Whipstock: ft (KB)  
 Time Tool Opened: 04:40:45  
 Time Test Ended: 08:38:15  
 Interval: 3190.00 ft (KB) To 3229.00 ft (KB) (TVD)  
 Total Depth: 3229.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Dustin Rash  
 Unit No: 38  
 Reference Elevations: 1765.00 ft (KB)  
 1758.00 ft (CF)  
 KB to GRFCF: 7.00 ft

Serial #: 8354 Inside  
 Press@RunDepth: 18.30 psig @ 3192.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.02.20 End Date: 2012.02.20 Last Calc.: 2012.02.20  
 Start Time: 02:46:15 End Time: 08:38:15 Time On Btm: 2012.02.20 @ 04:40:15  
 Time Off Btm: 2012.02.20 @ 07:29:15

TEST COMMENT: F-Very weak blow. Built to 3/4 inch. Died to 1/4 inch.  
 SI-No Return.  
 FF-Very weak surface blow. Died @ 3 minutes.  
 FSI-No Return.



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1540.04	92.35	Initial Hydro-static
1	18.58	92.03	Open To Flow (1)
34	17.80	92.32	Shut-In(1)
78	64.35	93.13	End Shut-In(1)
77	15.82	93.18	Open To Flow (2)
106	18.30	93.99	Shut-In(2)
168	38.07	95.05	End Shut-In(2)
169	1588.81	95.58	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
3.00	10% Oil/90% Mud	0.04

**Gas Rates**

Choke (inches)	Pressure (psig)	Gas Rate (MCFG)



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

M&I Oil Operations, Inc.

4/16S/14W-Russell

6411 Preston Rd. Ste. #800  
Dallas, TX 75225

Schmitt #1

Job Ticket: 46914 DST#: 4

ATTN: Kurt Talbot

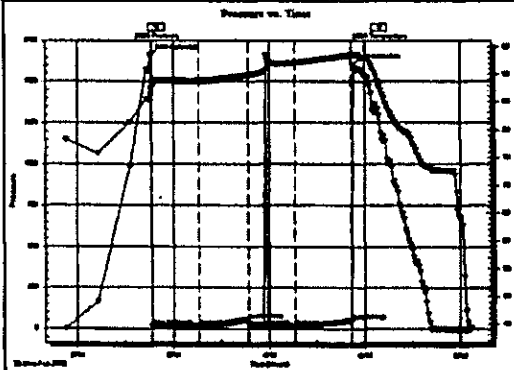
Test Start: 2012.02.20 @ 13:43:15

**GENERAL INFORMATION:**

Formation: **Arbuckle**  
 Deviated: **No Whipstock** ft (KB)  
 Time Tool Opened: **14:46:45**  
 Time Test Ended: **18:08:45**  
 Interval: **3228.00 ft (KB) To 3238.00 ft (KB) (TVD)**  
 Total Depth: **3235.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
 Test Type: **Conventional Bottom Hole (Reset)**  
 Tester: **Dustin Rash**  
 Unit No: **38**  
 Reference Elevations: **1765.00 ft (KB)**  
**1758.00 ft (CF)**  
 KB to GRFC: **7.00 ft**

Serial #: **6354** Inside  
 Press @ Run Depth: **19.08 psig @ 3232.00 ft (KB)** Capacity: **8000.00 psig**  
 Start Date: **2012.02.20** End Date: **2012.02.20** Last Call: **2012.02.20**  
 Start Time: **13:53:15** End Time: **18:06:45** Time On Btm: **2012.02.20 @ 14:48:25**  
 Time Off Btm: **2012.02.20 @ 16:52:45**

TEST COMMENT: 30 - F- 1/2" blow in 5 Min. died off completely @ 15 Min.  
 30 - IS- No Return.  
 30 - FF- No blow for 10, flushed tool, surged and died.  
 30 - FSI- No Return.



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1662.67	87.59	Initial Hydro-static
1	17.60	87.53	Open To Flow (1)
30	17.40	88.78	Shut-In (1)
61	57.04	89.79	End Shut-In (1)
61	16.97	89.81	Open To Flow (2)
80	19.08	92.11	Shut-In (2)
126	50.86	93.58	End Shut-In (2)
127	1605.47	93.64	Final Hydro-static

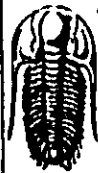
**Recovery**

Length (ft)	Description	Volume (bbl)
5.00	10% Oil/90% Mud	0.07

**Gas Rates**

	Choke (inches)	Pressure (psig)	Gas Rate (Mscf)

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Mel Oil Operations, Inc.

4/16S/14W-Russell

8411 Preston Rd. Ste. #800  
Dallas, TX 75225

Schmitt #1

Job Ticket: 48915 DST# 5

ATTN: Kurt Talbot

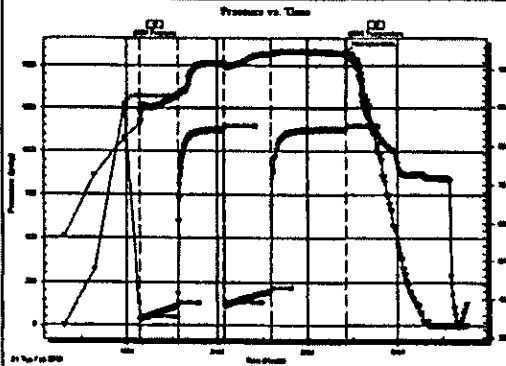
Test Start: 2012.02.20 @ 00:08:15

**GENERAL INFORMATION:**

Formation: **Arbuckle**  
 Deviated: **No Whipstock** ft (KB)  
 Test Type: **Conventional Bottom Hole (Initial)**  
 Time Tool Opened: **01:08:25**  
 Tester: **Dustin Reah**  
 Time Test Ended: **04:46:15**  
 Unit No: **38**  
 Interval: **3225.00 ft (KB) To 3246.00 ft (KB) (TVD)**  
 Reference Elevations: **1765.00 ft (KB)**  
**1758.00 ft (CF)**  
 Total Depth: **3246.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
 KB to GRPCF: **7.00 ft**

Serial #: **8354** Inside  
 Press@RunDepth: **196.65 psig @ 3225.00 ft (KB)** Capacity: **8000.00 psig**  
 Start Date: **2012.02.21** End Date: **2012.02.21** Last Calib.: **2012.02.21**  
 Start Time: **02:18:15** End Time: **04:46:15** Time On Btm: **2012.02.21 @ 00:58:15**  
 Time Off Btm: **2012.02.21 @ 03:26:15**

**TEST COMMENT:** F-Strong building blow . BOB in 11 minutes.  
 IS-No Return.  
 FF-Strong building blow . BOB in 15 minutes.  
 FS-No Return.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1271.77	81.90	Initial Hydro-static
11	33.99	83.70	Open To Flow (1)
35	110.30	93.11	Shut-In (1)
68	1128.13	101.48	End Shut-In (1)
67	118.16	100.94	Open To Flow (2)
97	196.65	104.16	Shut-In (2)
147	1129.68	104.25	End Shut-In (2)
148	1561.20	103.86	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
310.00	90%Water/10%Mud	4.35
93.00	70%Water/30%Mud	1.30

Gas Rates		
Choke (inches)	Pressure (psig)	Gas Rate (ft³/D)

# QUALITY OILWELL CEMENTING, INC.

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

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

No. 628

Date	Sec.	Twp.	Range	County	State	On Location	Finish
2/15/12	4	15	14	Russell	KS		12:15 am
Lease <i>Schwartz</i>		Well No. <i>1</i>		Location <i>Russell 5 waters lane 1/2 w Sinto</i>			
Contractor <i>Southwind #3</i>				Owner			
Type Job <i>Surface</i>				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.			
Hole Size <i>12 1/4</i>		T.D. <i>390</i>		Charge To <i>Mar. O.I.</i>			
Csg. <i>8 5/8</i>		Depth <i>390</i>		Street			
Tbg. Size		Depth		City			
Tool		Depth		State			
Cement Left in Csg. <i>15'</i>		Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line		Displace <i>23 1/2 Bbl</i>		Cement Amount Ordered <i>225 640 3rd 20 label</i>			
<b>EQUIPMENT</b>							
Pumptrk <i>5</i>	No. Cementer <i>1</i>	Helper <i>1</i>		Common <i>135</i>			
Bulktrk	No. Driver <i>2</i>	Driver <i>2</i>		Poz. Mix <i>90</i>			
Bulktrk <i>10</i>	No. Driver <i>3</i>	Driver <i>3</i>		Gel. <i>4</i>			
<b>JOB SERVICES &amp; REMARKS</b>				Calclum <i>9</i>			
Remarks:				Hulls			
Rat Hole				Salt			
Mouse Hole				Flowseal			
Centralizers				Kol-Seal			
Baskets				Mud CLR 48			
D/V or Part Collar				CFL-117 or CD110 CAF 38			
<i>8 5/8 on bottom Est. Credit</i>				Sand			
<i>Mix 2358 &amp; Displace 23 1/2 Bbl</i>				Handling <i>130</i>			
<i>Cement (Credit)</i>				Mileage			
<b>FLOAT EQUIPMENT</b>							
Guide Shoe							
Centralizer							
Baskets <i>8 5/8 water Aug</i>							
AFU inserts							
Float Shoe							
Latch Down							
Pumptrk Charge <i>Surface</i>							
Mileage <i>11</i>							
Signature <i>Jay Davis</i>				Tax			
				Discount			
				Total Charge			

Quality Oilwell Cementing

# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025  
Call 785-324-1041

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

No. 236

Date	2/22/12	Sec.	4	Twp.	15	Range	14	County	Russell	State	KS	On Location	1:15 AM
Lease	Schmitt	Well No.	1		Location Russell, Sto River, 1/4 W, S into								
Contractor	Southwind Drilling Rig #3							Owner					
Type Job	Production String							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.					
Hole Size	7 7/8"		T.D.		3315'		Charge To						
Ceg.	5 1/2" 14 #		Depth		3310'		Mai Oil Operations						
Tbg. Size			Depth				Street						
Tool			Depth				City						
Cement Left in Ceg.	20'		Shoe Joint		20'		The above was done to satisfaction and supervision of owner agent or contractor.						
Meas Line			Displace		80 1/4 BBS.		Cement Amount Ordered 150 sx 60/40 18% Salt 2% gel 2% filler						
<b>EQUIPMENT</b>													
Pumptrk	9	No.	Cementer		Paul		Common 150						
Bulktrk	14	No.	Driver		Matt		Poz. Mix 100						
Bulktrk	8	No.	Driver		Michael Jason		Gel. 5						
<b>JOB SERVICES &amp; REMARKS</b>													
Remarks:	Calcium												
Rat Hole	30 sx		Hulls										
Mouse Hole	Salt 49												
Centralizers	1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 14		Flowseal 50 #										
Baskets	12		Kot-Seal										
D/V or Port Collar	Mud CLR 48 - 1000 gal. Mud Char. 48												
Est. Circ.	- 45 min		CFL-117 or CD110 CAF 38										
Pump	1000 gal. Mud Clear - 48		Sand										
Plug Ret.	10 #		Handling 20 #										
Mud	220 sx 18% Salt - lead 10% Salt - 1/2" S/V		Mileage										
Displace	<b>FLOAT EQUIPMENT</b>												
Land Plug	Guide Shoe												
Float Head	Centralizer 13 - Turbos												
	Baskets - weatherford												
	AFU Inserts												
	Float Shoe												
	Latch Down												
	Pumptrk Charge of Prod Longevity												
	Mileage 11												
<p style="font-size: 2em; opacity: 0.5;">Quality Oilwell</p> <p style="font-size: 2em; opacity: 0.5;">Thank You for your business</p>													
Tax _____ Discount _____ Total Charge _____													
Signature: <i>[Handwritten Signature]</i>													

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  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

July 23, 2012

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

Re: ACO1  
API 15-167-23772-00-00  
Schmitt 1  
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

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

Sam Brownback, Governor

July 24, 2012

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

Re: ACO-1  
API 15-167-23772-00-00  
Schmitt 1  
SE/4 Sec.04-15S-14W  
Russell County, Kansas

Dear Allen Bangert:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 02/14/2012 and the ACO-1 was received on July 23, 2012 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department