



**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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

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

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total 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**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1064145

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**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 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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  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
_____ 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 <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)* \_\_\_\_\_

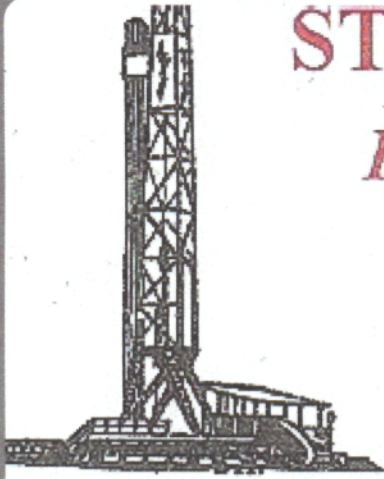
Estimated Production Per 24 Hours	Oil Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD 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> <i>(Submit ACO-4)</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	Schenk Trust 1
Doc ID	1064145

Tops

Name	Top	Datum
Anhydrite	900	+1018
Base Anhydrite	923	+995
Topeka	2856	-938
Heebner	3090	-1172
Toronto	3103	-1185
Brown lime	3153	-1235
Lansing	3164	-1246
Base Kansas City	3380	-1462
Arbuckle	3398	-1480



# STEVEN P. MURPHY, P.G.

*Petroleum Geologist (KS #228)*

Cell 620.639.3030

Fax 785.387.2400

RR#1, Box 69

Otis, Kansas 67565

geomurphy@gbta.net

Scale 1:240 (5"=100') Imperial  
Measured Depth Log

Well Name: Schenk Trust #1  
Location: Barton County  
License Number: API #15-009-25549-00-00  
Spud Date: 5/19/11  
Surface Coordinates: 1687' FSL & 750' FWL (Approx. NW SE NW SW)  
Section 29-Township 17 South-Range 14 West  
Bottom Hole Coordinates: Vertical well with minimal deviation, same as above  
Ground Elevation (ft): 1910'  
Logged Interval (ft): 2700' To: TD  
Formation: Topeka thru Arbuckle  
Type of Drilling Fluid: Chemical - Andy's (Mud Engineer - Dennis Rector)  
Region: Kansas  
Drilling Completed: 5/27/11  
K.B. Elevation (ft): 1918'  
Total Depth (ft): RTD -3475'  
Printed by STRIP.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

## OPERATOR

Company: Mai Oil Operations, Inc.  
Address: 8411 Preston Rd  
Suite 800  
Dallas, TX 75225-5520

## GEOLOGIST

Name: Steven P. Murphy, PG  
Company: Consulting Petroleum Geologist (KS License #228)  
Address: 3365 County Rd 390  
Otis, KS 67565  
Cell Phone No: 620-639-3030

### LogTops (Datum)

The open-hole logging was performed by Jeff Lubbers with Superior Well Services (Hays, KS shop). Logs included Compensated Neutron/Compensated Density, Dual Induction & Microlog.

Formation tops and datums from the open-hole logs include the following:

Anhydrite - 900 (+1018)  
Topeka - 2853 (-935)  
Heebner - 3089 (-1171)  
Toronto - 3101 (-1183)  
Douglas - 3114 (-1196)  
Br. Lime - 3151 (-1233)  
Lansing - 3164 (-1246)  
Muncie Crk - 3292 (-1374)  
BKC -3379 (-1461)  
Arbuckle - 3398 (-1480)

### DRILL STEM TESTS #1-3

The following drillstem tests were performed by Brett Dickenson w/Trilobite Testing from the Hays, KS shop:

DST #1 3160-3194 (LKC A-C)  
45:45:30:45  
IF: BOB 1 min, BOB 7 min (GTS immed)  
FF: BOB 2 min, BOB 9 min  
Rec: 325' GO (40% G, 60% O),  
60' SMGO (25% G, 65% O, 10% M)  
IHP: 1550 FHP: 1484  
IFP: 20-88 ISIP: 580  
FFP: 92-138 FSIP: 577  
Oil Gravity - 37  
BHT - 105

DST #2 3216-3250 (LKC E, F & G)  
45:45:45:45  
IF: 3" blow, no return  
FF: 3/4" blow, no return  
Rec: 70' GIP, 20' SOCM (10% O, 90% M),  
30' OSWCM (24% W, 75%M)  
IHP: 1551 FHP: 1504  
IFP: 14-25 ISIP: 630  
FFP: 27-37 FSIP: 626  
BHT: 102 F  
Chlorides: 72,000 ppm

DST #3 3284-3330 (LKC H & I)  
IF: BOB in 6-1/2 min, Wk surf return, died  
in 11 min  
FF: BOB in 28 min, no return  
Rec: 5' GO (15% G, 85% O), 385' MSMCW  
(95% W, 5% M)  
IHP: 1610 FHP: 1480  
IFP: 30-145 ISIP: 601  
FFP: 131-200 FSIP: 568  
BHT: 106 F  
Oil Gravity - 36  
Chlorides: 66,000 ppm

**DRILL STEM TESTS #4-5**

DST #4 3350-3366 (LKC K)  
 30:30:30:30  
 IF: 4" blow, no return  
 FF: 2-1/2" blow, no return  
 Rec: 10' SGO (10% G, 90% O),  
 25' VSOWCM (5% O, 20% W, 75% M)  
 IHP: 1643 FHP: 1587  
 IFP: 16-21 ISIP: 262  
 FFP: 20-27 FSIP: 241  
 BHT: 106 F  
 Chlorides: 70,000 ppm

DST #5 3378-3410 (Arbuckle)  
 30:30:30:30  
 IF: 1/2 in blow, no return  
 Wk surf blow died in 12 min, no return  
 Rec: 1' FO, 5' VSOCM (5% O, 95% M)  
 IHP: 1656 FHP: 1595  
 IFP: 15-15 ISIP: 52  
 FFP: 16-17 FSIP: 31  
 BHT: 99 F

**COMMENTS**






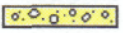

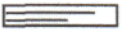
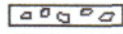

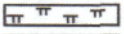

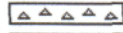


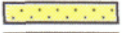
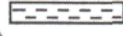

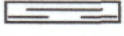

The Schenk Trust #1 was drilled by Southwind Drilling Rig #3 (Tool pusher Jay Krier).

Based on the results of DST's and log & sample analysis, it was recommended that casing be set to produce the Lansing-Kansas City "A" zone. Other zones in the LKC appear to also have productive potential.

Respectfully submitted,

Steven P. Murphy, PG  
 Consulting Petroleum Geologist  
 (KS Licence #228)

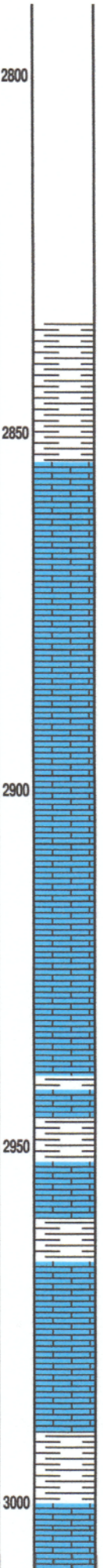
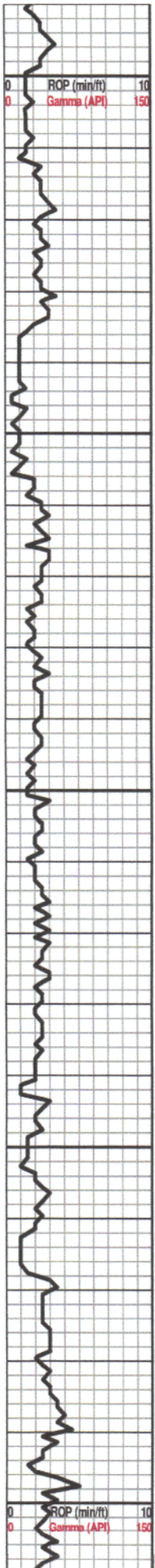
**ROCK TYPES**

 Anhy	 Coal	 Lmst	 Shcol
 Bent	 Congl	 Meta	 Shgy
 Brec	 Dol	 Mrlst	 Sltst
 Cht	 Gyp	 Salt	 Ss
 Clyst	 Igne	 Shale	 Till

**OTHER SYMBOLS**

<b>OIL SHOW</b>	 Dead	<b>INTERVAL</b>	<b>EVENT</b>
 Even	 Gas	 Core	 Conn
 Spotted		 Dst	 Rft
 Ques			 Sidewall

Curve Track 1 ROP (min/ft) — Gamma (API) —	Depth	Lithology	Oil Shows	Geological Descriptions	REMARKS
<p>ROP (min/ft) — Gamma (API) —</p> <p>Scale Change ROP (min/ft) 10 Gamma (API) 150</p>	<p>2650</p> <p>2700</p> <p>2750</p>			<p>The following are sample formation tops &amp; associated datums (with KB of 1918'). Please refer to the main header for electric log tops &amp; datums:</p> <p>Top Anhydrite: 900 (+1 018) Base Anhydrite: 923 (+995)</p> <p>NOTES: 8-5/8" Surface casing set @ 901' w/350 sacks cement Deviation survey @ 901' - 1-1/4 degrees Geologist on location @ 12:30 PM on 5/23/11 @ depth of 2780'</p>	



SH: gry

LS: crm-tan-gry, vfxdn, dense, foss, sl chalky, NS

LS: crm-tan-gry, vfxdn, dense, foss, sl chalky, NS

LS: crm-tan-gry, vfxdn, dense, foss, sl chalky, NS

LS: wh-tan-gry, vfxdn, dense, foss, chalky, NS

LS: wh-tan-gry, vfxdn, dense, foss, chalky, NS

LS: wh-tan-gry, fxdn, dense, foss, mottled, chalky, NS

SH: blk

SH: gry-maroon

LS: crm-tan, fxdn, foss, fr inxln por, sfo, fr sh, sl odor

LS: crm-tan, vfxdn, sl foss, chalky, dense, NS

LS: crm-tan, vfxdn, sl foss, chalky, dense, NS

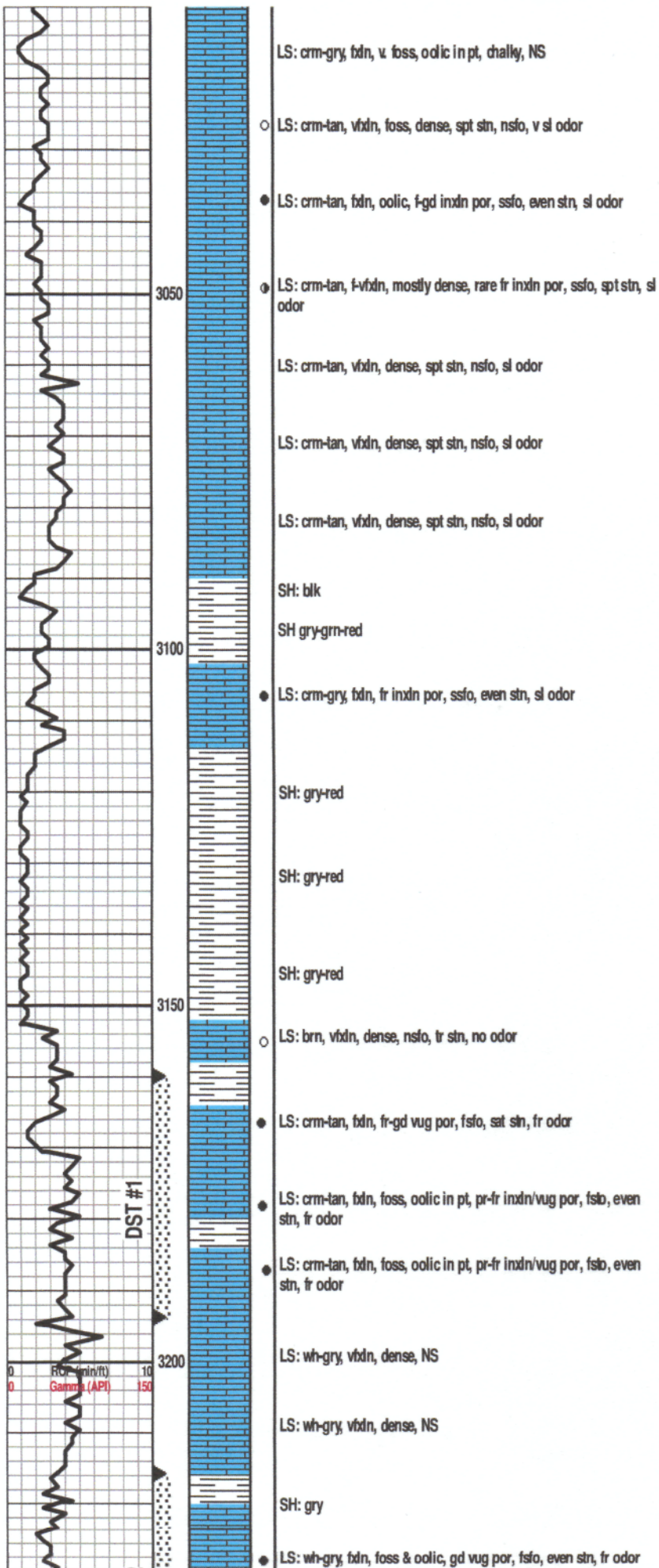
LS: crm-tan, vfxdn, foss, sl chalky, dense, NS

SH: blk-gry

LS: crm-tan, vfxdn, v foss, chalky, dense, NS

TOPEKA 2856 (-938)





HEEBNER 3090 (-1172)

TORONTO 3103 (-1185)

DOUGLAS 3114 (-1196)

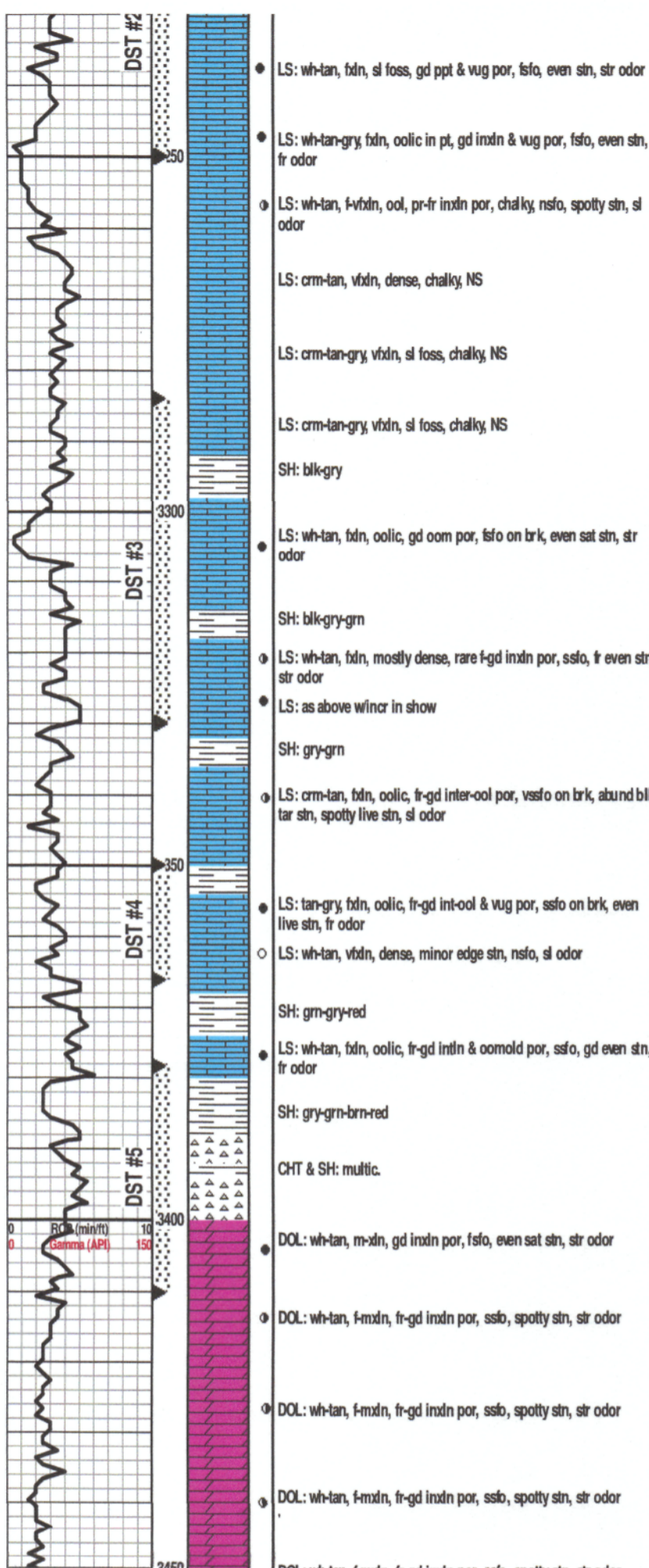
BROWN LIME 3153 (-1235)

LANSING 3164 (-1246)

DST #1 3160-3194 (LKC A-C)  
 45:45:30:45  
 IF: BOB 1 min, BOB 7 min (GTS immed)  
 FF: BOB 2 min, BOB 9 min  
 Rec: 325' GO (40% G, 60% O),  
 60' SMGO (25% G, 65% O, 10% M)  
 IHP: 1550 FHP: 1484  
 IFP: 20-88 ISIP: 580  
 FFP: 92-138 FSIP: 577  
 Oil Gravity - 37  
 BHT - 105

CFS @ 3194'  
 Deviation survey @ 3194' - 1 degree  
 Pipe strap @ 3194' - 0.60' long to board (No correction made)

DST #2 3216-3250 (LKC E, F & G)  
 45:45:45:45  
 IF: 3" blow, no return  
 FF: 3/4" blow, no return



Rec: 70' GIP, 20' SOCM (10% O, 90% M),  
 30' OSWCM (24% W, 75%M)  
 IHP: 1551 FHP: 1504  
 IFP: 14-25 ISIP: 630  
 FFP: 27-37 FSIP: 626  
 BHT: 102 F  
 Chlorides: 72,000 ppm

CFS @ 3250'

**MUNCIE CREEK 3291 (-1373)**

DST #3 3284-3330 (LKC H & I)  
 IF: BOB in 6-1/2 min, Wk surf return, died in 11 min  
 FF: BOB in 28 min, no return  
 Rec: 5' GO (15% G, 85% O), 385' MSMCW (95% W, 5% M)  
 IHP: 1610 FHP: 1480  
 IFP: 30-145 ISIP: 601  
 FFP: 131-200 FSIP: 568  
 BHT: 106 F  
 Oil Gravity - 36  
 Chlorides: 66,000 ppm

CFS @ 3330'

DST #4 3350-3366 (LKC K)  
 30:30:30:30  
 IF: 4" blow, no return  
 FF: 2-1/2" blow, no return  
 Rec: 10' SGO (10% G, 90% O), 25' VSOWCM (5% O, 20% W, 75% M)  
 IHP: 1643 FHP: 1587  
 IFP: 16-21 ISIP: 262  
 FFP: 20-27 FSIP: 241  
 BHT: 106 F  
 Chlorides: 70,000 ppm

CFS @ 3350'

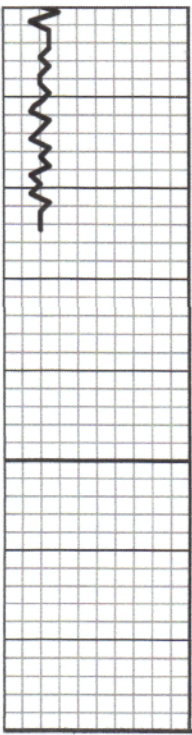
CFS @ 3366'

**BKC 3380 (-1462)**

**ARBUCKLE 3398 (-1480)**

DST #5 3378-3410 (Arbuckle)  
 30:30:30:30  
 IF: 1/2 in blow, no return  
 Wk surf blow died in 12 min, no return  
 Rec: 1' FO, 5' VSOCM (5% O, 95% M)  
 IHP: 1656 FHP: 1595  
 IFP: 15-15 ISIP: 52  
 FFP: 16-17 FSIP: 31  
 BHT: 99 F

CFS @ 3410'



3500



○ DOL: wh-tan, f-mxn, ir-gd mxn por, ssib, spotty sin, sl odor  
○ DOL: wh-tan, f-mxn, gd mxn por, vssib, mostly barren, rare sin, fr odor  
DOL: wh, f-mxn, pr-gd mxn & vug por, nsfo, barren, rare gilsonite sin, sl odor

RTD - 3475'  
LTD - 3474'

Deviation Survey @ RTD of 3475' - 1-3/4 degree



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

Mai Oil Operations, Inc.  
8411 Preston Rd  
STE 800 Dallas, TX 75225  
ATTN: Steve Murphy

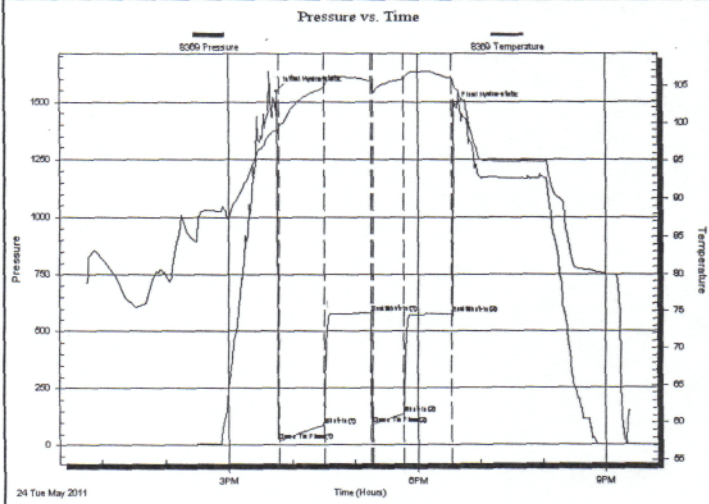
**Schenk Trust #1**  
**29-17-14w Barton, KS**  
Job Ticket: 42743      **DST#: 1**  
Test Start: 2011.05.24 @ 12:45:20

**GENERAL INFORMATION:**

Formation: **KC "A-C"**  
Deviated: **No** Whipstock: **ft (KB)**  
Time Tool Opened: **15:47:50**  
Time Test Ended: **21:23:50**  
Test Type: **Conventional Bottom Hole**  
Tester: **Brett Dickinson**  
Unit No: **47**  
Interval: **3160.00 ft (KB) To 3194.00 ft (KB) (TVD)**  
Total Depth: **3194.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
Reference Elevations: **1918.00 ft (KB)**  
**1910.00 ft (CF)**  
KB to GR/CF: **8.00 ft**

**Serial #: 8369**      **Outside**  
Press@RunDepth: **137.86 psig @ 3166.00 ft (KB)**  
Start Date: **2011.05.24**      End Date: **2011.05.24**  
Start Time: **12:45:25**      End Time: **21:23:50**  
Capacity: **8000.00 psig**  
Last Calib.: **2011.05.24**  
Time On Btm: **2011.05.24 @ 15:45:20**  
Time Off Btm: **2011.05.24 @ 18:35:50**

**TEST COMMENT:** IF-BOB in 1min  
ISI-BOB in 7 min  
FF-BOB in 2 min  
FSI-BOB in 9 min



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1550.00	99.03	Initial Hydro-static
3	20.20	99.51	Open To Flow (1)
45	87.98	104.77	Shut-In(1)
91	580.33	105.57	End Shut-In(1)
92	92.21	104.88	Open To Flow (2)
122	137.86	105.89	Shut-In(2)
167	576.60	105.98	End Shut-In(2)
171	1484.31	104.64	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
325.00	GO 40%G 60%O	4.56
60.00	SMGO 25%G 65%O 10%M	0.84

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Mai Oil Operations, Inc.  
8411 Preston Rd  
STE 800 Dallas, TX 75225  
ATTN: Steve Murphy

**Schenk Trust #1**  
**29-17-14w Barton, KS**  
Job Ticket: 42744      **DST#: 2**  
Test Start: 2011.05.25 @ 05:15:11

### GENERAL INFORMATION:

Formation: **KC"E,F,G"**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 07:26:11  
Time Test Ended: 12:07:11  
Test Type: Conventional Bottom Hole  
Tester: Brett Dickinson  
Unit No: 47  
Interval: **3216.00 ft (KB) To 3250.00 ft (KB) (TVD)**  
Total Depth: 3250.00 ft (KB) (TVD)  
Reference Elevations: 1918.00 ft (KB)  
1910.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
KB to GR/CF: 8.00 ft

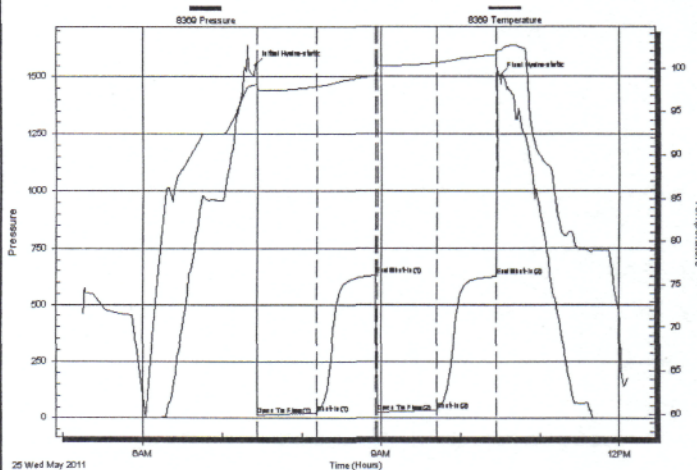
### Serial #: 8369

Outside

Press@RunDepth: 36.91 psig @ 3222.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2011.05.25      End Date: 2011.05.25      Last Calib.: 2011.05.25  
Start Time: 05:15:16      End Time: 12:07:10      Time On Btrt: 2011.05.25 @ 07:24:41  
Time Off Btrt: 2011.05.25 @ 10:29:41

TEST COMMENT: IF-3 in blow  
IS-No blow  
FF-3/4 in blow  
FSI-No blow

Pressure vs. Time



### PRESSURE SUMMARY

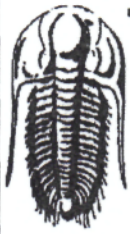
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1550.76	98.13	Initial Hydro-static
2	13.52	97.63	Open To Flow (1)
46	24.73	97.91	Shut-In(1)
91	629.99	99.18	End Shut-In(1)
92	26.72	100.23	Open To Flow (2)
138	36.91	100.67	Shut-In(2)
182	625.60	101.61	End Shut-In(2)
185	1503.61	102.13	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
30.00	Oil spotted WCM 25%W 75%M	0.42
20.00	SOCM 10%O 90%M	0.28
0.00	70ft GIP	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 Rd  
STE 800 Dallas, TX 75225  
ATTN: Steve Murphy

**Schenk Trust #1**  
**29-17-14w Barton, KS**  
Job Ticket: 42745 **DST#: 3**  
Test Start: 2011.05.25 @ 20:30:22

**GENERAL INFORMATION:**

Formation: **KC" H,I"**  
Deviated: **No Whipstock:** ft (KB)  
Time Tool Opened: 22:06:52  
Time Test Ended: 02:49:52

Test Type: **Conventional Bottom Hole**  
Tester: **Brett Dickinson**  
Unit No: **47**

Interval: **3284.00 ft (KB) To 3330.00 ft (KB) (TVD)**  
Total Depth: **3330.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1918.00 ft (KB)**  
**1910.00 ft (CF)**  
KB to GR/CF: **8.00 ft**

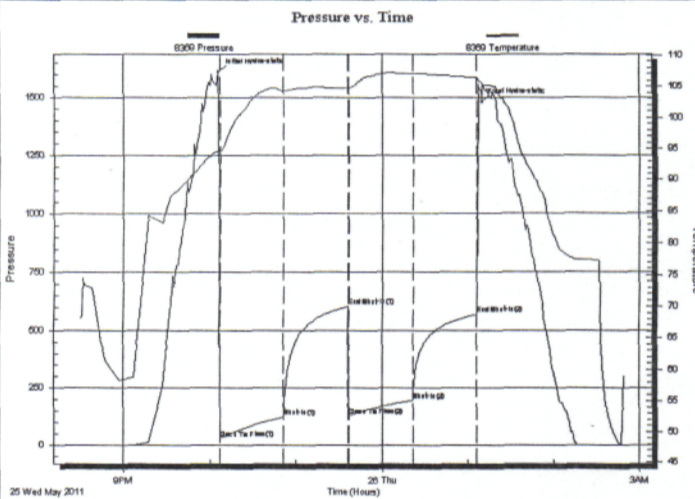
**Serial #: 8369**

**Outside**

Press@RunDepth: **199.64 psig @ 3295.00 ft (KB)**  
Start Date: **2011.05.25** End Date: **2011.05.26**  
Start Time: **20:30:27** End Time: **02:49:51**

Capacity: **8000.00 psig**  
Last Calib.: **2011.05.26**  
Time On Btm: **2011.05.25 @ 22:05:52**  
Time Off Btm: **2011.05.26 @ 01:09:22**

TEST COMMENT: IF-BOB in 6.5 min  
ISI-weak surface blow died in 11min  
FF-BOB in 28 min  
FSI-No blow



**PRESSURE SUMMARY**

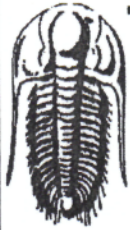
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1609.66	94.74	Initial Hydro-static
1	30.18	94.47	Open To Flow (1)
45	124.84	104.25	Shut-In (1)
90	600.88	104.71	End Shut-In (1)
91	130.64	104.60	Open To Flow (2)
136	199.64	106.99	Shut-In (2)
180	568.48	106.40	End Shut-In (2)
184	1479.74	105.61	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
5.00	GO 15%G 85%O	0.07
385.00	VSMCW 5%M 95%W	5.40

**Gas Rates**

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

Mai Oil Operations, Inc.  
8411 Preston Rd  
STE 800 Dallas, TX 75225  
ATTN: Steve Murphy

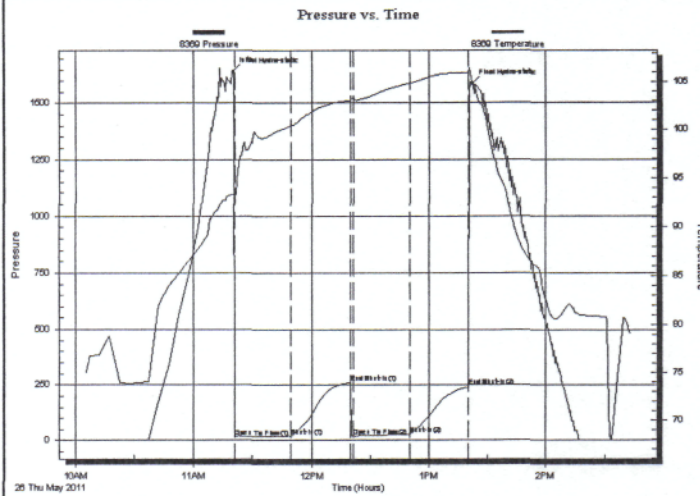
**Schenk Trust #1**  
**29-17-14w Barton, KS**  
Job Ticket: 42746      DST#: 4  
Test Start: 2011.05.26 @ 10:05:34

**GENERAL INFORMATION:**

Formation: **KC "K"**  
Deviated: **No Whipstock:**      ft (KB)  
Time Tool Opened: 11:21:04  
Time Test Ended: 14:43:04  
Interval: **3350.00 ft (KB) To 3366.00 ft (KB) (TVD)**  
Total Depth: **3366.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
Test Type: **Conventional Bottom Hole**  
Tester: **Brett Dickinson**  
Unit No: **47**  
Reference Elevations: **1918.00 ft (KB)**  
**1910.00 ft (CF)**  
KB to GR/CF: **8.00 ft**

**Serial #: 8369      Outside**  
Press@RunDepth: **27.00 psig @ 3356.00 ft (KB)**  
Start Date: **2011.05.26**      End Date: **2011.05.26**  
Start Time: **10:05:39**      End Time: **14:43:03**  
Capacity: **8000.00 psig**  
Last Calib.: **2011.05.26**  
Time On Btm: **2011.05.26 @ 11:20:04**  
Time Off Btm: **2011.05.26 @ 13:22:04**

TEST COMMENT: IF-4 in blow  
ISI-No blow  
FF-2.5 in blow died back to 2in  
FSI-No blow



**PRESSURE SUMMARY**

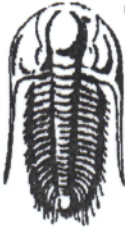
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1642.50	93.32	Initial Hydro-static
1	16.32	93.10	Open To Flow (1)
30	20.88	100.44	Shut-In(1)
60	261.73	103.00	End Shut-In(1)
61	19.85	103.27	Open To Flow (2)
90	27.00	104.84	Shut-In(2)
120	240.51	105.88	End Shut-In(2)
122	1586.61	104.95	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
10.00	SGO 10%G 90%O	0.14
25.00	VSOWQM 5%O 20%W 75%M	0.35
0.00	90ft GIP	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 Rd  
STE 800 Dallas, TX 75225  
ATTN: Steve Murphy

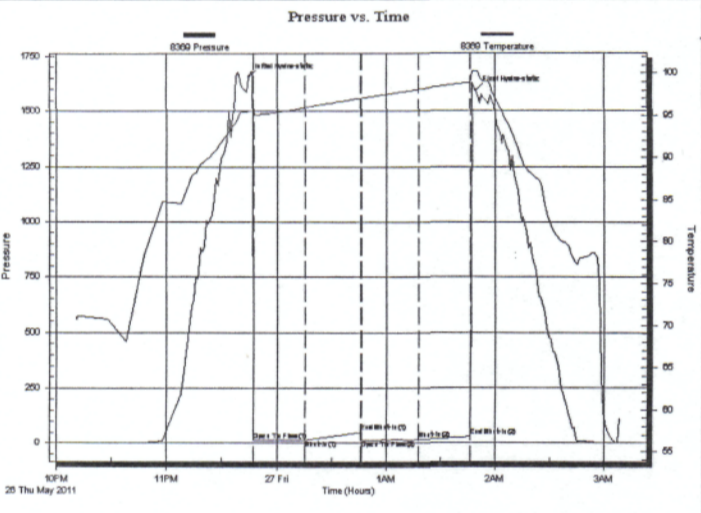
**Schenk Trust #1**  
**29-17-14w Barton, KS**  
Job Ticket: 42747      **DST#: 5**  
Test Start: 2011.05.26 @ 22:10:57

**GENERAL INFORMATION:**

Formation: **Arbuckle**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 23:46:57  
Time Test Ended: 03:08:27  
Test Type: Conventional Bottom Hole  
Tester: Brett Dickinson  
Unit No: 47  
Interval: **3378.00 ft (KB) To 3410.00 ft (KB) (TVD)**  
Total Depth: 3410.00 ft (KB) (TVD)  
Reference Elevations: 1918.00 ft (KB)  
1910.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
KB to GR/CF: 8.00 ft

**Serial #: 8369**      **Outside**  
Press@RunDepth: 17.39 psig @ 3382.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2011.05.26      End Date: 2011.05.27      Last Calib.: 2011.05.27  
Start Time: 22:11:02      End Time: 03:08:26      Time On Btm: 2011.05.26 @ 23:44:27  
Time Off Btm: 2011.05.27 @ 01:49:27

**TEST COMMENT:** IF-1/2 in blow  
ISI-No blow  
FF-Weak surface blow died in 12 min  
FSI-No blow



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1655.88	95.51	Initial Hydro-static
3	15.12	95.17	Open To Flow (1)
31	15.43	95.95	Shut-In(1)
62	52.03	97.08	End Shut-In(1)
62	15.91	97.08	Open To Flow (2)
94	17.39	98.12	Shut-In(2)
122	30.77	98.93	End Shut-In(2)
125	1595.30	100.28	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
1.00	Free Oil	0.01
5.00	VSOQM 5%O 95%M	0.07

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. 5010

Date	5/21/11	Sec.	29	Twp.	17	Range	14	County	Barton	State	KS	On Location		Finish	10:15
Lease	Schenk Trust			Well No.	1			Location	Hwy 4 + Hwy 281, 3 W, 1/2 N, E into						
Contractor	Southwind Drilling Rig #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 Operations, Inc.						
Hole Size	12 1/4"			T.D.	901'			Street							
Csg.	8 5/8" 23#			Depth	901'			City	State						
Tbg. Size								State							
Tool								City							
Cement Left in Csg.	42'			Shoe Joint	42'			The above was done to satisfaction and supervision of owner agent or contractor.							
Meas Line				Displace	53 3/4 Bbls.			Cement Amount Ordered	350 sx 60/40 3% CC 2 logpt						

**EQUIPMENT**

Pumptrk	9	No.	Cementer	
			Helper	Fant
Bulktrk	10	No.	Driver	Rocky
			Driver	
Bulktrk	PV	No.	Driver	Matt
			Driver	

Common	210
Poz. Mix	140
Gel.	7
Calcium	13

**JOB SERVICES & REMARKS**

Remarks:	
Rat Hole	
Mouse Hole	
Centralizers	
Baskets	
D/V or Port Collar	
Est. Circ	
Mix 350sx	
Displace	
Land Plug	
Cement Circulated	

Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	370
Mileage	

**FLOAT EQUIPMENT**

Guide Shoe	
Centralizer	5 7/8"
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Head + Manifold	
Rubber Plug	
Baffle Plate	
Pumptrk Charge	Long Surface
Mileage	21

Head + Manifold	
Rubber Plug	
Baffle Plate	
Pumptrk Charge	Long Surface
Mileage	21

Thank You!

x Signature *[Handwritten Signature]*

Tax	
Discount	
Total Charge	

# ALLIED CEMENTING CO., LLC. 039710

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
Russell Ks.

DATE <u>5-27-2011</u>	SEC. <u>29</u>	TWP. <u>17</u>	RANGE <u>14</u>	CALLED OUT	ON LOCATION	JOB START <u>1:00 AM</u>	JOB FINISH <u>1:30 AM</u>
LEASE <u>SCHENK</u>	TRUST WELL # <u>#1</u>	LOCATION <u>Russell Ks. S. to 281 + Hwy 4 Jct</u>			COUNTY <u>BARTON</u>	STATE <u>KANSAS</u>	
OLD OR NEW (Circle one) <u>NEW</u>				<u>3 W 1/2 N 1/4 E + N INTO</u>			

CONTRACTOR SOUTHWIND DRG. RIG #3  
 TYPE OF JOB PRODUCTION STRING  
 HOLE SIZE 7 7/8 T.D. 3474'  
 CASING SIZE 5 1/2 New DEPTH 3473'  
 TUBING SIZE 14# CSG DEPTH  
 DRILL PIPE 8 5/8 Surface DEPTH 891  
 TOOL LATCH Down Plug Assy. DEPTH 3452'  
 PRES. MAX 1500# MINIMUM  
 MEAS. LINE SHOE JOINT 21.10  
 CEMENT LEFT IN CSG. 21.10  
 PERFS.  
 DISPLACEMENT 84 1/4/BBL

OWNER  
 CEMENT  
 AMOUNT ORDERED 160 cx 60% 10% SALT  
2% GEL 1/4# F10-SEAL PER CX  
1000 GAL WFR-2 MUD-FLUSH

COMMON	<u>96</u>	@	<u>16.25</u>	<u>1560.00</u>
POZMIX	<u>64</u>	@	<u>8.50</u>	<u>544.00</u>
GEL	<u>3</u>	@	<u>21.25</u>	<u>63.75</u>
CHLORIDE		@		
ASC		@		
	<u>SALT 14</u>	@	<u>23.95</u>	<u>335.30</u>
	<u>F10 Seal 40#</u>	@	<u>2.70</u>	<u>108.00</u>
	<u>WFR-2 1000gal</u>	@	<u>1.10</u>	<u>N-C</u>
		@		
		@		
HANDLING	<u>177</u>	@	<u>2.25</u>	<u>398.25</u>
MILEAGE <del>20</del>		@	<u>11¢</u>	<u>389.40</u>
TOTAL				<u>3398.70</u>

**EQUIPMENT**

PUMP TRUCK CEMENTER Glenn  
 # 398 HELPER Heath  
 BULK TRUCK  
 # 378 DRIVER Nick  
 BULK TRUCK  
 # DRIVER

**REMARKS:**

Ran 84 Joints of New 5 1/2 csg. (14#)  
Set Pipe @ 3473' Circulate on  
Bottom. 1 HR. mix Fltsh, & Cement  
w/ 130 cx 60% 10% SALT, 2% GEL, 1/4# F10-SEAL  
Clear-Line, Release LATCH Down Plug & Displace  
84 1/4 BBL LAND Plug @ 1500#, Release, (HELD)  
30 cx @ Reel hole

THANK'S

**SERVICE**

DEPTH OF JOB				
PUMP TRUCK CHARGE				<u>2225.00</u>
EXTRA FOOTAGE		@		
MILEAGE <del>20</del>	<u>40</u>	@	<u>7.00</u>	<u>280.00</u>
MANIFOLD		@		
	<u>LUM 40</u>	@	<u>4.00</u>	<u>160.00</u>
		@		

CHARGE TO: MAI Oil Operations Inc.  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

TOTAL 2665.00

**PLUG & FLOAT EQUIPMENT**

<u>(B) Flortshoe</u>				<u>245.00</u>
<u>(B) 10 TURBOCENTRALIZERS</u>	@	<u>60.00</u>		<u>600.00</u>
<u>(B) 1- LATCH Down Plug ASSY</u>	@			<u>194.00</u>
	@			
	@			
	@			

To Allied Cementing Co., LLC.  
 You are hereby requested to rent cementing equipment

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

September 27, 2011

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

Re: ACO1  
API 15-009-25549-00-00  
Schenk Trust 1  
SW/4 Sec.29-17S-14W  
Barton 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  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

September 30, 2011

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

Re: ACO-1  
API 15-009-25549-00-00  
Schenk Trust 1  
SW/4 Sec.29-17S-14W  
Barton 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 05/19/2011 and the ACO-1 was received on September 27, 2011 (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