



**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
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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

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: \_\_\_\_\_



1065928

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)* \_\_\_\_\_

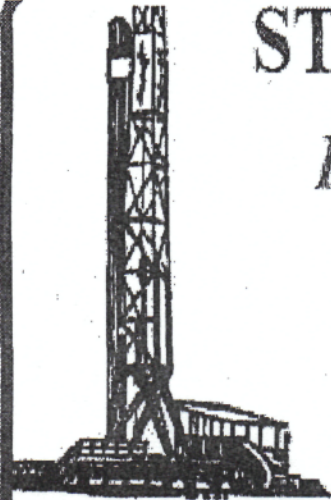
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD 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> <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	Lichter-Lindsay Unit 1
Doc ID	1065928

Tops

Name	Top	Datum
Anhydrite	1012	+983
Topeka	2972	-977
Heebner	3211	-1216
Toronto	3230	-1235
Brown Lime	3278	-1283
Lansing	3293	-1296
Base Kansas City	3506	-1423
Arbuckle	3551	-1511



# 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: Lichter-Lindsay Unit #1  
 Location: Barton County  
 License Number: API #15-009-25592-00-00  
 Spud Date: 8/5/11  
 Surface Coordinates: 2500' FSL & 2100' FWL (NW NE NE SW)  
 Section 25-T17S-R15W  
 Bottom Hole Coordinates: Vertical well w/minimal deviation, same as above  
 Ground Elevation (ft): 1987' K.B. Elevation (ft): 1995'  
 Logged Interval (ft): 2900' To: 3625' Total Depth (ft): 3625'  
 Formation: Topeka through Arbuckle  
 Type of Drilling Fluid: Chemical - Mudco (Mud Engineer - Rick Hughes)

Region: Kansas  
 Drilling Completed: 8/12/11

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 (KS License #228)  
 Company: Consulting Petroleum Geologist  
 Address: 3365 CR 390  
 Otis, KS 67565  
 620-639-3030 (Cell)

### LogTops (Datum)

Open hole logging was performed by Jeff Gronewig with Superior Logging (Hays, KS shop). The following are log tops:

Top Anhydrite - 1012 (+983)

Open hole logging was performed by Jeff Gronewig with Superior Logging (Hays, KS shop). The following are log tops:

- Top Anhydrite - 1012 (+983)
- Base Anhydrite - 1038 (+957)
- Topeka - 2972 (-977)
- Heebner - 3211 (-1216)
- Toronto - 3230 (-1235)
- Br. Lime - 3278 (-1283)
- Lansing - 3293 (-1298)
- Muncie Crk - 3418 (-1423)
- BKC - 3506 (-1511)
- Arbuckle - 3551 (-1556)

**DSTs**

The following drillstem tests were performed by Cory Bloedorn w/Tribbite Testing from the Hays, KS shop:

**DST #1 3286-3320 (LKC "A-C")**  
 15:30:15:30  
 IF: 1/4" blow died in 11 min, no return  
 FF: No blow, flushed tool, no return  
 Recovery: 2' WM (2% W, 98@ M)  
 IHP: 1584 FHP: 1557  
 IFP: 21-21 ISIP: 513  
 FFP: 16-17 FSIP: 464  
 BHT - 103 F

**DST #3 3412-3450 (LKC "H-I")**  
 30:45:20:45  
 IF: 1/4" blow died in 28 min, no return  
 FF: No blow, flushed, wk surf blow died in 10 min, no return  
 Recovery: 20' M w/oil spots  
 IHP: 1666 FHP: 1631  
 IFP: 34-38 ISIP: 514  
 FFP: 48-47 FSIP: 396  
 BHT - Not recorded



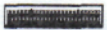





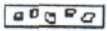

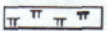

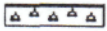





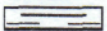

**COMMENTS**

Based on the results of drillstem testing, and sample & log analysis, it was recommended that this well be plugged at a total depth of 3625'.

Respectfully submitted,

Steven P. Murphy, PG  
 Consulting Petroleum Geologist

**ROCK TYPES**

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

**OTHER SYMBOLS**

 OIL SHOW Even	 Dead Gas	 INTERVAL Core	 EVENT Conn
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OTHER SYMBOLS

OIL SHOW

- Even
- Spotted
- Ques

- Dead
- Gas

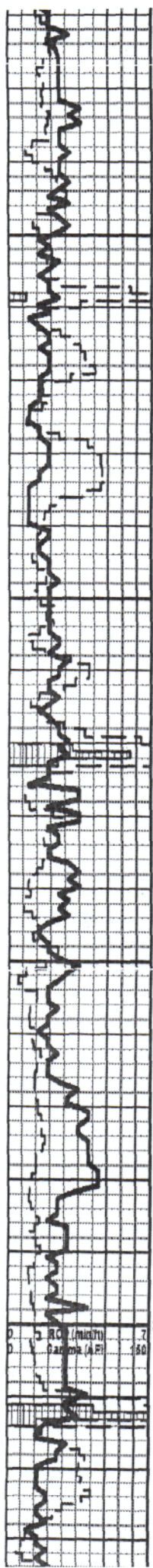
INTERVAL

- Core
- Dst

EVENT

- Conn
- Rft
- Sidewall

Curve Track 1 ROP (min/ft) ——— Gamma (API) - - -	Depth	Lithology	Oil Shows	Geological Descriptions	REMARKS
	<p>2800</p> <p>2850</p> <p>3000</p>			<p>SH: gry</p> <p>SH: gry</p> <p>LS: crm-tan-gry, vfxh, dense, sl foss, sl chalky, NS</p> <p>LS: crm-tan-gry, vfxh, dense, sl foss, sl chalky, NS</p> <p>LS: crm-tan-gry, vfxh, dense, sl foss, sl chalky, NS</p> <p>LS: crm-tan-gry, vfxh, dense, sl foss, sl chalky, NS</p>	<p>The following are sample formation tops &amp; associated datums (with KB of 1995'). Please refer to the main header for electric log tops &amp; datums:</p> <p>Top Anhydrite: 1019 (+976)</p> <p>NOTES:</p> <p>8-5/8" Surface casing set @ 939' w/350 sacks cement Deviation survey @ 941' -3/4 degree</p> <p>Geologist on location @ 12:30 PM on 8/9/11 @ depth of 2960</p> <p><b>TOPEKA 2975 (-980)</b></p>



LS: crm-tan-gry, vfxn, dense, foss, chaly, NS

LS: crm-tan-gry, vfxn, dense, foss, chaly, NS

LS: crm-tan-gry, vfxn, dense, foss, chaly, NS

SH: blk

SH: gry-red

LS: crm-tan, vfxn, foss, dense, NS

SH: gry

LS: crm-tan-gry, vfxn, foss, sl chaly, dense, NS

LS: crm-tan, vfxn, sl foss, sl chaly, dense, NS

LS: crm-tan, vfxn, sl foss, sl chaly, dense, NS

SH: blk

LS: crm-tan-gry, vfxn, foss, sl chaly, dense, NS

LS: crm-tan-gry, vfxn, foss, sl chaly, dense, NS

LS: crm-tan-gry, oolitic, vfxn, foss, sl chaly, dense, NS

LS: crm-tan-gry, vfxn, sl foss, chaly, dense, NS

LS: crm-tan, vfxn, sl foss, sl chaly, dense, NS

LS: crm-tan, fxn, fr lnxn por, foss, sl chaly, NS

LS: crm-tan, vfxn, dense, sl chaly, NS

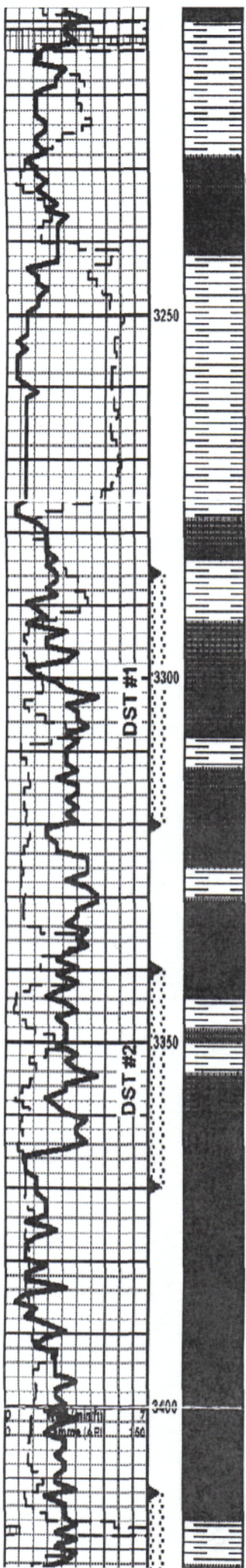
SH: blk

SH: gry-grn-red

LS: wh-tan, fxn, mostly dense, rare fr lnxn por, nfo, ml no edge

HEEBNER 3214 (-1218)

TORONTO 3228 (-1233)



SH: blk

SH: gry-grn-red

LS: wh-tan, fxl n, mostly dense, rare fr lnxln por, nsfo, ml nor edge stn, no odor

SH: gry-red

SH: gry-red

SH: gry-red

LS: brn, vfxln, dense, NS

SH: gry-grn-brn

LS: wh-tan, fxl n, fr-gd lnxln & vug por, ssfo, spoty stn, sl odor

LS: wh-tan-gry, fxl n, sl foss, sl chalky, dense, NS

LS: wh-tan-gry, vfxln, sl chalky, dense, NS

LS: crm-gry, vfxln, sl chalky, NS

LS: crm-gry, vfxln, sl chalky, NS

SH: gry-grn

LS: crm-tan, fxl n, foss, fr-gd lnxln & vug por, ssfo, even sat stn, tr odor

LS: wh-tan, fxl n, foss, oolc in pt, gd lnxln & vug por, ssfo, even sat stn, str odor

LS: crm-tan, fxl n, oolc, fr oom por, nsfo, tr edge stn, no odor

LS: crm-tan, fxl n, oolc, fr oom por, nsfo, tr edge stn, no odor

LS: wh-tan-gry, vfxln, chalky, dense, nsfo, rare spoty stn, no sl odor

LS: crm-tan-gry, vfxln, chalky, dense, NS

SH: blk-gry

HEEBNER 3214 (-1210)

TORONTO 3228 (-1233)

BROWN LIME 3278 (-1283)

LANSING 3294 (-1299)

DST #1 3286-3320 (LKC "A-C")  
 15:30:15:30  
 IF: 1/4" blow died in 11 min, no return  
 FF: No blow, flushed tool, no return  
 Recovery: 2' WM (2% W, 98% M)  
 IHP: 1984 FHP: 1557  
 IFP: 21-21 ISIP: 513  
 FFP: 16-17 FSIP: 464  
 BHT - 103 F

CFS @ 3320'

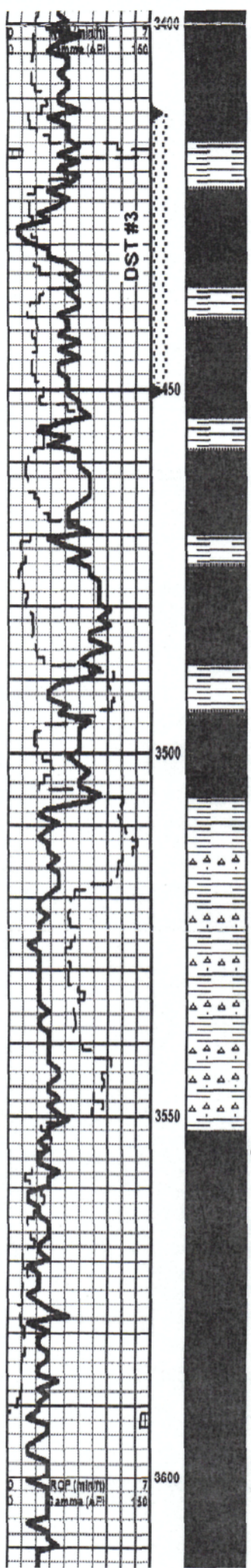
Pipe Strap @ 3320' - 0.32' long to board  
 Deviation Survey @ 3320' - 1-3/4 degrees

DST #2 3340-3370 (LKC "E-F")  
 45:45:15:45  
 IF: 1/4" blow, no return  
 FF: No blow, flushed, no blow, no return  
 Recovery: 33' WM (5% W, 95% M)  
 IHP: 1617 FHP: 1586  
 IFP: 12-22 ISIP: 858  
 FFP: 23-29 FSIP: 862  
 BHT - 106 F

CFS @ 3370'

MUNCIE CREEK 3417 (-1422)





LS: wh-tan-gry, vxn, chaly, dense, nsfo, rare spotty str, no si odor

LS: crm-tan-gry, vxn, chaly, dense, NS

SH: blk-gry

LS: wh-tan, fxdn, oolitic, gd vug por, ssfb, even sat str, gd odor

SH: gry-grn-blk

LS: crm-tan-gry, fxdn, oolitic, fr oom oolitic por, ssfb, even sat str, fr odor

gry-grn

LS: wh-tan-gry, vxn, dense, sl foas, oolitic in part, sl chaly, nsfo, spotty str, v-sl odor

SH: gry-grn-red

LS: crm-tan-gry, vxn, sl chaly, dense, NS

SH: gry-grn-red-brn

LS: wh-tan, vxn, cherty, dense, NS

SH: gry-grn-red-blk

SH: red-gry-grn w/multic. chert

SH: red-gry-grn w/multic. chert

SH: red-gry-grn w/multic. cher

DOL: crm-tan, fxdn, dense, nsfo, spotty str, v-sl odor

DOL: crm-tan, fxdn, dense, nsfo, spotty str, v-sl odor

DOL: crm-tan, f-mxin, rhombic, fr-gd inxn & vug por, ssfb (gso on brk), even sat str, sl odor

DOL: crm-tan, f-mxin, rhombic, fr-gd inxn & vug por, nsfo, glisonite str, sl odor

DOL: crm-tan, f-mxin, rhombic, fr-gd inxn & vug por, nsfo, glisonite str, sl odor

DOL: crm-tan, f-mxin, dense, cherty, NS

**MUNCIE CREEK 3417 (-1422)**

DST #3 3412-3450 (LKC "H-I")  
 30:45:20:45  
 IF: 1/4" blow died in 28 min, no return  
 FF: No blow, flushed, wk surf blow died in 10 min, no return  
 Recovery: 20' M w/oil spots  
 IHP: 1686 FHP: 1631  
 IFP: 34-38 ISIP: 514  
 FFP: 48.47 FSIP: 306

CFS @ 3474'

**BKC 3507 (-1512)**

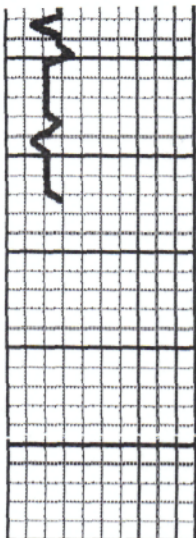
CFS @ 3532'

CFS @ 3546'

**ARBUCKLE 3652 (-1657)**

CFS @ 3556'

CFS @ 3564'



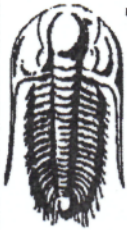
3650

DOL: crm-lan, f-mxin, dense, cherty, NS

DOL: crm-lan, f-mxin, dense, cherty, NS

RTD - 3625'

Deviation Survey @ 3625' - 1 degree



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Mai Oil Operations, Inc  
8411 Preston RD, STE 800  
Dallas, TX 75225 + 5520  
ATTN: Steve Murphy

**Lichter-Lindsay Unit #1**  
**25-17s-15w Barton, KS**  
Job Ticket: 45198      DST#: 1  
Test Start: 2011.08.10 @ 07:01:00

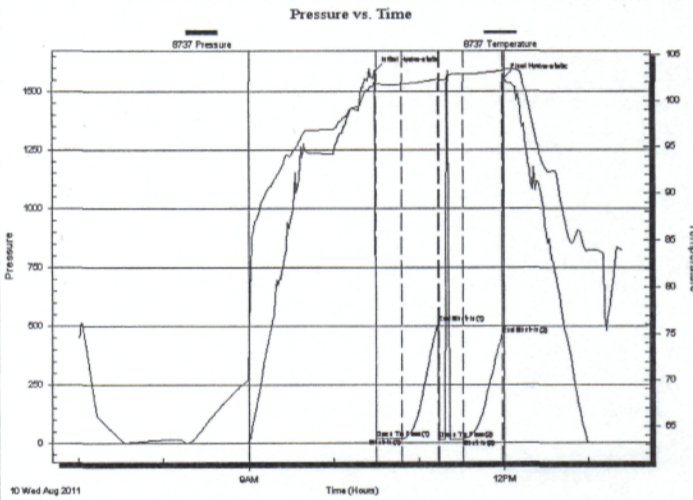
### GENERAL INFORMATION:

Formation: **LKC "A-C"**  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 10:29:30  
Time Test Ended: 13:25:00  
Interval: **3286.00 ft (KB) To 3320.00 ft (KB) (TVD)**  
Total Depth: 3320.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches      Hole Condition: Good  
Test Type: Conventional Bottom Hole  
Tester: Cody Bloedorn  
Unit No: 44  
Reference Elevations: 2005.00 ft (KB)  
1995.00 ft (CF)  
KB to GR/CF: 10.00 ft

### Serial #: 8737      Inside

Press@RunDepth: 17.98 psig @ 3292.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2011.08.10      End Date: 2011.08.10      Last Calib.: 2011.08.10  
Start Time: 07:01:01      End Time: 13:25:00      Time On Btrm: 2011.08.10 @ 10:29:00  
Time Off Btrm: 2011.08.10 @ 12:00:00

TEST COMMENT: 15 - IF- 1/4" blow, died in 11 Min.  
30 - IS- No blow back.  
15 - FF- No blow back, flushed tool, no blow back  
30 - FS- No blow back.



### PRESSURE SUMMARY

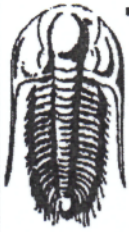
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1584.98	102.08	Initial Hydro-static
1	21.18	101.86	Open To Flow (1)
19	21.58	101.79	Shut-In(1)
45	513.94	102.32	End Shut-In(1)
45	16.31	101.99	Open To Flow(2)
63	17.98	102.84	Shut-In(2)
90	464.73	103.21	End Shut-In(2)
91	1557.56	103.41	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
2.00	VM, 98%M, 2%W	0.03

### Gas Rates

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



**TRILOBITE TESTING, INC**

**DRILL STEM TEST REPORT**

Mai Oil Operations, Inc  
 8411 Preston RD, STE 800  
 Dallas, TX 75225 + 5520  
 ATTN: Steve Murphy

**Lichter-Lindsay Unit #1**  
**25-17s-15w Barton,KS**  
 Job Ticket: 45199      DST#: 2  
 Test Start: 2011.08.10 @ 20:13:00

**GENERAL INFORMATION:**

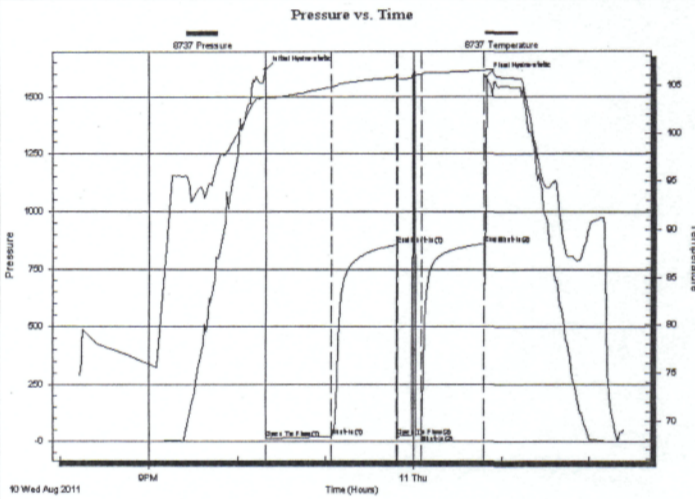
Formation: **LKC "E-F"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 22:19:30  
 Time Test Ended: 02:23:30  
 Interval: **3340.00 ft (KB) To 3370.00 ft (KB) (TVD)**  
 Total Depth: 3370.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole  
 Tester: Cody Bloedorn  
 Unit No: 44  
 Reference Elevations: 2005.00 ft (KB)  
 1995.00 ft (CF)  
 KB to GR/CF: 10.00 ft

**Serial #: 8737**      **Inside**

Press@RunDepth: 29.48 psig @ 3342.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2011.08.10      End Date: 2011.08.11      Last Calib.: 2011.08.11  
 Start Time: 20:13:01      End Time: 02:23:30      Time On Btrm: 2011.08.10 @ 22:19:00  
 Time Off Btrm: 2011.08.11 @ 00:49:30

**TEST COMMENT:** 45 - IF- 1/4" blow  
 45 - IS- No blow back  
 15 - FF- No blow , w aited 10 Min, flushed tool, No blow back  
 FSI- No blow back



**PRESSURE SUMMARY**

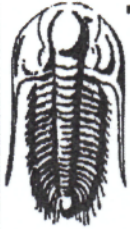
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1617.48	103.90	Initial Hydro-static
1	12.63	103.64	Open To Flow (1)
45	22.51	104.88	Shut-In(1)
90	858.11	105.90	End Shut-In(1)
90	23.69	105.62	Open To Flow (2)
106	29.48	106.13	Shut-In(2)
149	862.82	106.57	End Shut-In(2)
151	1586.05	106.65	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
33.00	VM, 5%W, 98%M	0.46

**Gas Rates**

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

Mai Oil Operations, Inc  
8411 Preston RD, STE 800  
Dallas, TX 75225 + 5520  
ATTN: Steve Murphy

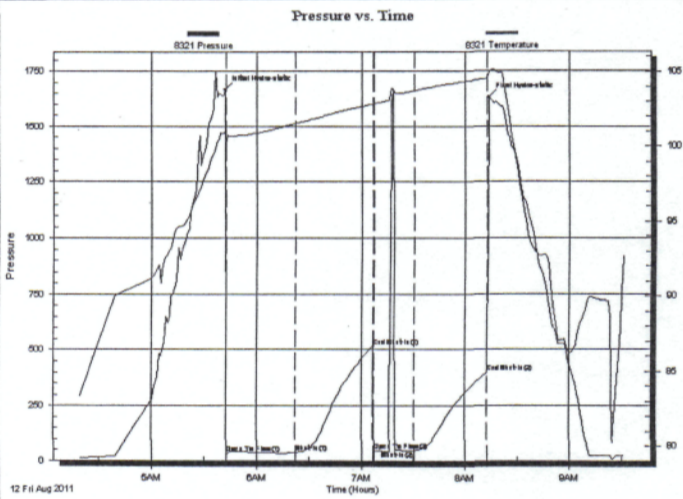
**Lichter-Lindsay Unit #1**  
**25-17s-15w Barton,KS**  
Job Ticket: 45200 DST#: 3  
Test Start: 2011.08.11 @ 21:47:00

**GENERAL INFORMATION:**

Formation: **LKC "H-I"**  
Deviated: **No Whipstock** ft (KB)  
Time Tool Opened: 05:42:22  
Time Test Ended: 09:31:51  
Test Type: Conventional Bottom Hole  
Tester: Cody Bloedorn  
Unit No: 44  
Interval: **3412.00 ft (KB) To 3450.00 ft (KB) (TVD)**  
Reference Elevations: 2005.00 ft (KB)  
Total Depth: 3450.00 ft (KB) (TVD) 1995.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

**Serial #: 8321 Outside**  
Press@RunDepth: 47.02 psig @ 3422.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2011.08.12 End Date: 2011.08.12 Last Calib.: 2011.08.11  
Start Time: 04:19:22 End Time: 09:31:52 Time On Btmr 2011.08.12 @ 05:41:52  
Time Off Btmr 2011.08.12 @ 08:13:21

**TEST COMMENT:** 30 - IF- 1/4" blow , died in 28 Min.  
45 - IS- No blow back  
20 - FF- No blow back, waited 10 Min, flushed tool, weak surface blow , Died in 10 Min.  
45 - FSI- No blow back.



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1666.15	101.02	Initial Hydro-static
1	34.40	100.13	Open To Flow (1)
41	38.58	101.51	Shut-In(1)
85	514.47	102.83	End Shut-In(1)
86	48.11	102.77	Open To Flow (2)
109	47.02	103.74	Shut-In(2)
151	396.00	104.58	End Shut-In(2)
152	1631.95	105.01	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
20.00	M, oil scum	0.28

**Gas Rates**

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

Notice: Fill out COMPLETELY and return to Conservation Division at the address below within 60 days from plugging date.

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
**WELL PLUGGING RECORD**  
K.A.R. 82-3-117

Form CP  
March 2006  
Type or Print on this Form  
Form must be Signed  
All blanks must be Filled

OPERATOR: License #: 5259  
Name: Mai Oil Operations, Inc.  
Address 1: 8411 Preston Road, Suite 800  
Address 2: \_\_\_\_\_  
City: Dallas State: TX Zip: 75225 +  
Contact Person: Allen Bangert  
Phone: (214) 219-8883  
Type of Well: (Check one)  Oil Well  Gas Well  OG  D&A  Cathodic  
 Water Supply Well  Other: \_\_\_\_\_  SWD Permit #: \_\_\_\_\_  
 ENHR Permit #: \_\_\_\_\_  Gas Storage Permit #: \_\_\_\_\_  
Is ACO-1 filed?  Yes  No If not, is well log attached?  Yes  No  
Producing Formation(s): List All (If needed attach another sheet)  
\_\_\_\_\_ Depth to Top: \_\_\_\_\_ Bottom: \_\_\_\_\_ T.D. \_\_\_\_\_  
\_\_\_\_\_ Depth to Top: \_\_\_\_\_ Bottom: \_\_\_\_\_ T.D. \_\_\_\_\_  
\_\_\_\_\_ Depth to Top: \_\_\_\_\_ Bottom: \_\_\_\_\_ T.D. \_\_\_\_\_

API No. 15 - 009-25592-00-00  
Spot Description:  
NW NE NE SW Sec. 25 Twp 17 S. R. 15  East  West  
2,500 Feet from  North /  South Line of Section  
2,100 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Barton  
Lease Name: Lichter-Lindsay Well #: 1  
Date Well Completed: 8/12/2011  
The plugging proposal was approved on: 8/11/2011 (Date)  
by: Marvin (KCC District Agent's Name)  
Plugging Commenced: 8/12/2011  
Plugging Completed: 8/12/2011

Show depth and thickness of all water, oil and gas formations.

Oil, Gas or Water Records		Casing Record (Surface, Conductor & Production)			
Formation	Content	Casing	Size	Setting Depth	Pulled Out
		Surface	8 5/8"	939'	0'

Describe in detail the manner in which the well is plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. cement or other plugs were used, state the character of same depth placed from (bottom), to (top) for each plug set.

Plugged well with 185 sacks of 60/40 Poz, 4% gel, 1/4# flo-seal, 1st plug @ 3530' with 25 sacks, 2nd plug @ 1030' with 40 sacks, 3rd plug @ 550' with 80 sacks, 4th plug @ 40' to surface with 10 sacks, 30 sacks for rat hole, by Allied (Ticket #38144), plug was down @ 4:30 pm on 8/12/2011.

Plugging Contractor License #: 33350 Name: Southwind Drilling, Inc.  
Address 1: PO Box 276 Address 2: \_\_\_\_\_  
City: Ellinwood State: Kansas Zip: 67526 +  
Phone: (620) 564-3800

Name of Party Responsible for Plugging Fees: Mai Oil Operations, Inc.  
State of Kansas County, Barton, ss.

Jennifer Heape  Employee of Operator or  Operator on above-described well  
(Print Name)

being first duly sworn on oath, says: That I have knowledge of the facts statements, and matters herein contained, and the log of the above-described well is as filed, and the same are true and correct, so help me God.

Signature: Jennifer Heape

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

COPY

# 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. 5127

8-7-11

Date	8-6-11	Sec.	25	Twp.	17	Range	15	County	Barton	State	Ks	On Location	Finish	1:15 AM
Lease	Lichter-Lindsey			Well No.	# 1			Location	Olmitz Rd + Hwy K-4 Jct, 1/4 N					
Contractor	Southwind #3			Owner	E/S E + N to Rig									
Type Job	Surface			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	12 1/4"		T.D.	939'										
Csg.	8 5/8" 23# New		Depth	939'										
Tbg. Size				Depth										
Tool				Depth										
Cement Left in Csg.	44.82'		Shoe Joint	44.82'										
Meas Line				Displace	57 BLS			Cement Amount Ordered	350 5x 60/40 3%CC, 2%Gel					

**EQUIPMENT**

Pumptrk	1	No.	Cementer	Cisco	Helper	Mike	Common	210
Bulktrk	12	No.	Driver	Doug	Driver		Poz. Mix	140
Bulktrk p.u.		No.	Driver	Rick	Driver		Gel.	7
							Calcium	13

**JOB SERVICES & REMARKS**

Remarks:	Cement did Circulate.							Hulls	
Rat Hole								Salt	
Mouse Hole								Flowseal	
Centralizers								Kol-Seal	
Baskets								Mud CLR 48	
D/V or Port Collar								CFL-117 or CD110 CAF 38	
								Sand	
								Handling	370
								Mileage	

**FLOAT EQUIPMENT**

	Guide Shoe	
	Centralizer	
	Baskets	
	AFU Inserts	
	Float Shoe	
	Latch Down	
	1 - Baffle plate	
	1 - Rubber plug	
	Pumptrk Charge	
	Mileage	21

X Signature

	Tax
	Discount
	Total Charge

# ALLIED CEMENTING CO., LLC. 038144

Federal Tax ID # 20-5976804

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

SERVICE POINT:  
Russell Ks

*Allan*  
*for 483-2169*

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
8-12-2011	25	17	1547			11:00 AM	4:30 PM
LEASE	UNIT	LOCATION		COUNTY	STATE		
LINDSON	WELLS	Galatia Ks 665 2 EARTH		Ross	KANSAS		

CONTRACTOR Southern Data Rig #3 OWNER \_\_\_\_\_  
 TYPE OF JOB Ratway Plug  
 HOLE SIZE 7 7/8 T.D. 3625  
 CASING SIZE 8 9/8 SURFACE DEPTH \_\_\_\_\_  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_

CEMENT		AMOUNT ORDERED	
COMMON	111 @ 16.25	1803.75	
POZMEX	74 @ 8.50	627.00	
GEL	6 @ 21.25	127.50	
CHLORIDE			
ASC			
<u>Ela Seal 46"</u>	@ 2.70	124.20	
HANDLING	191 @ 2.25	424.75	
MILEAGE	191 x .11 x 31	651.31	
		2101	TOTAL 3765.51

Book LESS MILES  
 4369.20  
 872.84  
3491.36

EQUIPMENT  
 PUMP TRUCK CEMENTER Gibby - Heath  
 # 409 HELPER Tony  
 BULK TRUCK  
 # 378 DRIVER Mark  
 BULK TRUCK  
 # DRIVER

MILES  
 1333.31  
 50% 666.65  
666.65

REMARKS:  
 15 SK @ 3520'  
 40 SK @ 1030'  
 80 SK @ 550'  
 10 SK @ 40' 4" w/ 2" Plug  
 30 SK @ bedside

SERVICE		TOTAL	
DEPTH OF JOB			
PUMP TRUCK CHARGE		1250.00	
EXTRA FOOTAGE	@		
MILEAGE	62 @ 7.00	434.00	
MANIFOLD	@		
<u>LVM 62</u>	@ 4.00	248.00	
		TOTAL	1938.00

3491.36  
 666.65  
4158.02

CHARGE TO: MAT Oil Operations  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT		TOTAL	
	@		
	@		
	@		
	@		
	@		
		TOTAL	

To Allied Cementing Co., 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	<u>5697.51</u>	
DISCOUNT	<u>1539.49</u>	IF PAID IN 30 DAYS
	<u>4158.02</u>	20/50 <b>NR</b>

PRINTED NAME Jay Kriet  
 SIGNATURE Jay Kriet



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

October 24, 2011

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

Re: ACO1  
API 15-009-25592-00-00  
Lichter-Lindsay Unit 1  
SW/4 Sec.25-17S-15W  
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