



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: _____



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) _____

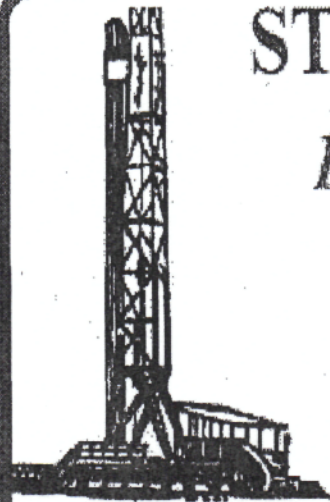
Estimated Production Per 24 Hours	Oil Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD 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> <input type="checkbox"/> Other (Specify) _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Mai Oil Operations, Inc.
Well Name	Haberer 'A' 3
Doc ID	1064865

Tops

Name	Top	Datum
Anhydrite	703	+935
Tarkio Lime	2278	-640
Topeka	2533	-895
Heebner	2750	-1112
Toronto	2768	-1130
Lansing	2799	-1161
Base Kansas City	3055	-1417
Arbuckle	3080	-1442



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: Haberer A#3
 Location: Russell County
 License Number: API #15-167-23716-00-00
 Spud Date: 7/18/11
 Surface Coordinates: 1500' FSL & 2310' FEL (Approx S/2 SW NW SE)
 Section 14-T12S-R15W
 Bottom Hole Coordinates: Vertical well with minimal deviation, same as above

Region: Kansas
 Drilling Completed: 7/26/11

Ground Elevation (ft): 1630' K.B. Elevation (ft): 1638'
 Logged Interval (ft): 2100' To: 3150' Total Depth (ft): 3150'
 Formation: Grandhaven through Arbuckle
 Type of Drilling Fluid: Chemical (Mudco - Mud Engineer Gary Schmidtberger)

Printed by MUD.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 Gronewag with Superior Well Services (Hays, KS shop). Logs

included Compensated Neutron

The open-hole logging was performed by Jeff Groneweg 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:

Top Anhydrite - 703 (+935)
Base Anhydrite - 737 (+901)
Grandhaven - 2160 (-522)
Tarkio - 2278 (-640)
Howard - 2475 (-837)
Topeka - 2533 (-895)
Heebner - 2750 (-1112)
Toronto - 2768 (-1130)
Lansing - 2799 (-1161)
Muncie Crk - 2933 (-1295)
BKC - 3055 (-1417)
Arbuckle - 3080 (-1442)

DSTs

The following drillstem tests were performed by Cody Bloedoin (DST #1) and Brett Dickenson (DST #2-4) w/Tribolite Testing (Hays shop):

DST #1 2520-2542 (Topeka)

45:45:45:45

IF: BOB in 7 min, no return

FF: BOB in 7 min, no return for 10 min, wk surf blow

Recovery: 560' GIP, 62' GHOCM

(60% G, 30% O, 10% M),

62' GSOCM (10% G, 10% O, 80% M),

31' HOCM (50% O, 50% M)

IHP: 1213 FHP: 1193

IFP: 14-41 ISIP: 797

FFP: 49-58 FSIP: 765

BHT - 94 F

DST #2 2804-2846 (LKC "A-C")

45:45:45:45

IF: BOB in 2 min, no return

FF: BOB in 3 min, 4" blowback

Recovery: 2356' GIP, 62' GHOCMW

(20% G, 50% O, 20% W, 10% M),

186' GOCM (60% G, 20% O, 20% M),

10' GVSOCM (5% G, 5% O, 90% M)

IHP: 1402 FHP: 1382

IFP: 52-110 ISIP: 411

FFP: 113-154 FSIP: 403

BHT - 98 F

DST #3 2860-2894 (LKC "E-F")

15:30:15:30

IF: Wk surface blow died in 5 min, no return

FF: No blow, flushed tool, no return

Recovery: 5' Oil spotted mud

IHP: 1394 FHP: 1378

IFP: 14-17 ISIP: 207

FFP: 18-22 FSIP: 115

BHT - 99 F

DST #4 3056-3096 (Arbuckle)

15:30:15:30

NOTE: Slid about 5'

IF: No blow, flushed tool, died in 1 min, no return

FF: No blow, flushed tool, no blow, no return

Recovery: 45' SVOCM (2% O, 98% M)

IHP: 1546 FHP: 1500

IHP: 1394 FHP: 1378
 IFP: 14-17 ISIP: 207
 FFP: 18-22 FSIP: 115
 BHT - 99 F

DST #4 3056-3096 (Arbuckle)

15:30:15:30

NOTE: Slid about 5'

IF: No blow, flushed tool, died in 1 min, no return

FF: No blow, flushed tool, no blow, no return

Recovery: 45' SVOCM (2% O, 98% M)

IHP: 1546 FHP: 1500

IFP: 33-38 ISIP: 1021

FFP: 39-40 FSIP: 995

BHT - 102 F




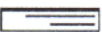




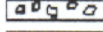

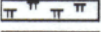

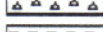


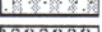


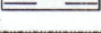
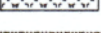
COMMENTS

Based on the results of DST's #1,2, & 4 as well as log & sample analysis, it was recommended that casing be set to produce the Arbuckle, upper LKC, and Topoka.

Respectfully submitted,

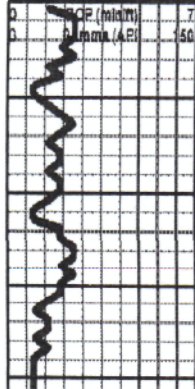
Steven P. Murphy, PG
 Consulting Petroleum Geologist
 (KS License #228)

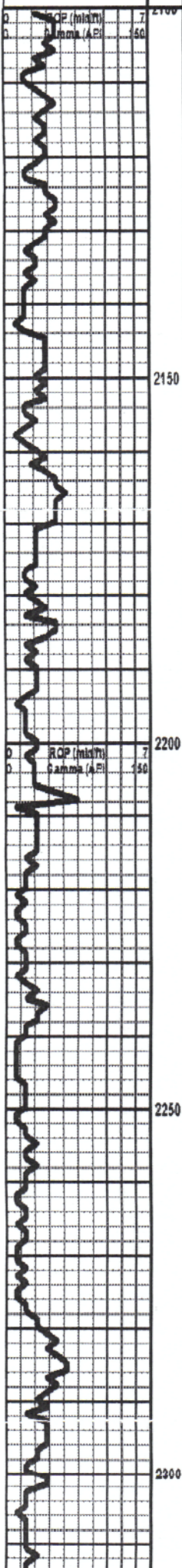
ROCK TYPES

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

OTHER SYMBOLS

OIL SHOW	 Dead	INTERVAL	EVENT
 Even	 Gas	 Core	 Conn
 Spotted		 Dst	 Rft
 Quas			 Sidewall

Curve Track 1 ROP (min/ft) ——— Gamma (API) — — —	Depth	Lithology	Oil Shows	Geological Descriptions	REMARKS
					<p>Southwind Rig #3 MIRU on 7/18/11</p> <p>8-5/8" casing set @ 700' w/350 sacks</p> <p>Deviation Survey @ 700' - 1-1/2 degrees</p> <p>The following are sample formation tops & associated datums (with KB of 1638').</p> <p>Please refer to the main header for electric log tops & datums:</p> <p>Geologist on location @ 2215' @ 10:00 AM on 7/22/11</p>



Southwind Rig #3 MIRU on 7/18/11

8-5/8" casing set @ 700' w/350 sacks

Deviation Survey @ 700' - 1-1/2 degrees

The following are sample formation tops & associated datums (with KB of 1638'). Please refer to the main header for electric log tops & datums:

Geologist on location @ 2215' @ 10:00 AM on 7/22/11

Analysis of 20' samples to 2500'. After 2500', samples analyzed at 10' intervals.

SH: gry-brn, silty

GRANDHAVEN 2159 (-521)

LS: wh-brn, vbdn, foss, dense, NS

LS: crm-gry, blk, foss, dense, NS

SH: gry-grn-red-brn

SH: gry-grn-red-brn

SH: SH: gry-grn-red-brn

SH: gry-grn-red w/minor amts vfg est, NS

SH & SST: as above, NS

SH: gry-grn-red

SST: vf-gr, prly std, sub-ang, sl glauc, abund clusters, v. friable, NS

SST: vf-gr, prly std, sub-ang, sl glauc, abund clusters, v. friable, NS (shaley)

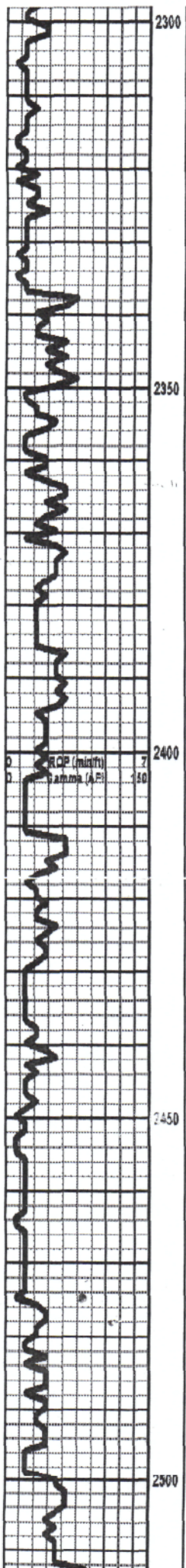
SST: vf-gr, prly std, sub-ang, sl glauc, abund clusters, v. friable, NS

TARKIO LIME 2278 (-640)

LS: crm-gry, blk, v foss, dense, NS

SH: gry-grn-blk-red

SST: wh-grn, fgr, prly std, sub-ang, abund clusters, tile, non-friable, shaley & micaceous, NS



SH: gry-grn

SST wh-grn, fgr, priy std, sub-ang, abund clusters, tile, non-friable, shaley & micaceous, NS

SST wh-grn, fgr, priy std, sub-ang, abund clusters, tile, non-friable, shaley & micaceous, NS

SH: gry-blk

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

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

SH: gry-grn

LS: crm-gry, vxn, foss, sl chalky, dense, NS

SH: gry-grn

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

SH: gry-grn

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

SH: gry

LS: crm-tan, vxn, v. foss, sl chalky, dense, NS

SH: gry-grn

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

SH: gry-grn

SST gry-grn, 1-vfg, tile clusters, dense, shaley, NS

SH: gry-grn

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

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

SH: gry

LS: wh-tan-gry, vxn, foss, dense, NS

ELMONT 2337 (-699)

HOWARD 2475 (-837)

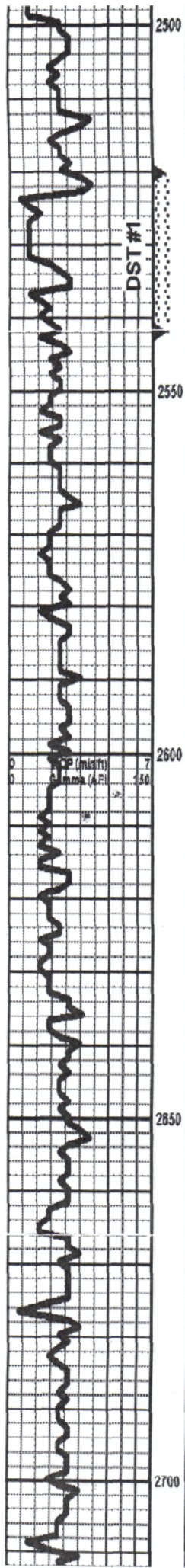
DST #1 2520-2542 (Topokaj)

4:45:45:45

IF: BOB in 7 min, no return

FF: BOB in 7 min, no return for 10 min, wk surf blow

Recovery: 50% GP, 8% SHOCM



SH: gry

LS: wh-tan-gry, vxn, foss, dense NS

LS: crm-gry, vxn, dense NS

SH: gry

● LS: crm-tan, fxln, foss, fr inxln & ppt por, fafo, gay on brk, even sat stn, str odor

SH: gry-grn

SH: gry-grn

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

SH: gry

LS: crm-gry, vxn, dense NS

LS: tan-gry, vxn, foss, dense, NS

LS: tan-gry, vxn, foss, dense, NS

LS: crm-tan-gry, fxln, foss, chalky, pr inxln por, NS

SH: blk

SH: gry-grn-blk

LS: wh-tan, vxn, sl foss, sl chalky, dense, NS

SH: gry-grn

LS: wh-tan-gry, vxn, dense, sl foss, sl chalky, abund chert, NS

LS: wh-tan-gry, vxn, dense, sl foss, sl chalky, abund chert, NS

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

SH: blk

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

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

SH: gry-grn-blk

DST #1 2520-2542 (Topeka)
 4:45:45:45
 IF: BOB in 7 min, no return
 FF: BOB in 7 min, no return for 10 min, wk surf blow
 Recovery: 560' GIP, 62' GHOCM
 (60% G, 30% O, 10% M),
 62' GSOCM (10% G, 10% O, 80% M),
 31' HOCM (50% O, 50% M)
 IHP: 1213 FHP: 1183
 IFP: 14-41 ISIP: 797
 FFP: 49-58 FSIP: 785
 BHT - 94 F

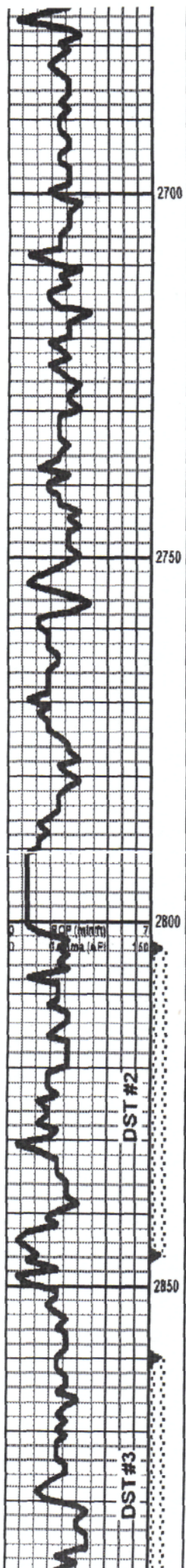
TOPEKA 2533 (-895)

CFA @ 2542'
 Pipe strap @ 2542' - 0.94' short to board
 Deviation survey @ 2542' - 1/4 degree

KING HILL SH

QUEEN HILL SH

PLATTSMOUTH 2710 (-1072)



SH: blk

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

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

SH: gry-grn-blk

● LS: crm-tan, fxn, oolic, fr lnxn & vug por, ffo, even sat stn, fr odor

○ LS: crm-tan, vfxn, foss, sl chalky, dense, nsfb, spotty stn, no odor

LS: crm-tan, fxn, pr-fr lnxn por, sl foss, chalky, mottled in pt, minor cht, NS

LS: crm-tan, fxn, dense, sl foss, chalky, minor cht, NS

SH: blk

SH: gry-grn

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

SH: gry-grn-blk

SH: gry-grn-red-blk

SH: gry-grn-red-blk

● LS: crm-tan, fxn, sucrosic, fr-gd lnxn & ppt por, ssfb (gsy on brk), even golden sat. stn, sl odor

● LS: crm-tan, fxn, sucrosic in pt, fr-gd lnxn & ppt por, ssfb (gsy on brk), even golden sat stn, fr odor

SH: gry-grn-brn-red

● LS: wht-tan-gry, fxn, m catly dense, rare vg vug por, sucrosic in pt, ssfb, even golden sat stn, fr odor

● LS: : wh-crm, fxn, oolic, gd vug por, ffo even sat stn, fr odor

LS: gry-grn-red-brn

○ LS: wh-tan, vfxn, dense, nsfb, apty lite stn, sl odor

SH: LS: gry-grn-red-brn

● LS: wh-tan, fxn, fr-gd vug por, ssfb, even sat stn, fr odor

SH: SH: LS: gry-grn-red-brn

QUEEN HILL SH

PLATTSMOUTH 2710 (-1072)

CFS @ 2730'

HEEBNER 2751 (-1113)

TORONTO 2774 (-1136)

LANSING 2802 (-1164)

DST #2 2804-2846 (LKC "A-C")
45:45:45:45

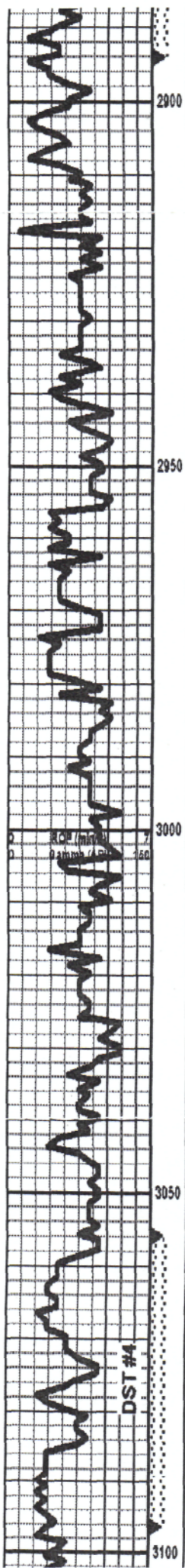
CFS @ 2814'

IF: BOB in 2 min, no return
FF: BOB in 3 min, 4" blowback
Recovery: 2356' GIP, 62' GHOCMW
(20% G, 50% O, 20% W, 10% M),
188' GOCM (60% G, 20% O, 20% M),
10' GVSOCM (5% G, 5% O, 90% M)
IHP: 1402 FHP: 1382
IFP: 52-110 ISIP: 411
FFP: 113-154 FSIP: 403
BHT - 98 F

CFS @ 2846'

DST #3 2860-2894 (LKC "E-F")
15:30:15:30

IF: Wk surface blow died in 5 min, no return
FF: No blow, flushed tool, no return
Recovery: 5' Oil spotted mud
IHP: 1304 FHP: 1378
IFP: 14-17 ISIP: 207
FFP: 18-22 FSIP: 115
BHT - 99 F



○ LS: crm-gry, fxin, sl foss, oolc, fr-gd vug por, sstb, sply str, fr odor
 SH: gry-grn
 LS: wh-tan-gry, vxin, dense, chalky, NS
 LS: wh-tan-gry, vxin, dense, chalky, NS
 SH: blk-gry
 LS: crm-gry, vxin, sl foss, dense, NS
 SH: gry-grn
 ○ LS: wh-tan, fxin, ool in pt, sl foss, pr-fr lnxn por, nfo, spoty str, sl odor
 ○ LS: wh-tan, fxin, ool in pt, sl foss, pr-fr lnxn por, nfo, spoty str, sl odor
 SH: gry-grn-red
 LS: crm-tan, vxin, sl foss, sl chalky, dense, NS
 ○ LS: wh-tan-gry, f-vxin, rare ool, dense, sstb on brk, spoty edge str, sl odor
 SH: blk
 SH: blk-gry-brn
 ○ LS: wh-tan-gry, vxin, sl foss, sl chalky, dense, nfo, spoty edge str, sl odor
 LS: wh-gry, vxin, dense, NS
 SH: gry-grn-red
 ● LS: wh-crm, fxin, ool, fr-gd vug por, sstb on brk, even sat str, fr odor
 LS: wh-tan-gry, vxin, dense, NS
 SH: gry-grn-red
 SH: gry-grn-red
 LS: crm-tan, vxin, dense, NS
 ● DOL: crm-tan, f-vxin, pr-fr lnxn por, rare gd vug por, rhombic, fsto, even sat str, str odor
 ● DOL: crm-tan, f-vxin, mainly rhombic w/minor sucroic, fr-gd lnxn & vug por, gsb, even sat str, str odor

CFS @ 2894'

MUNCIE CREEK 2934 (-1296)

BKC 3059 (-1421)

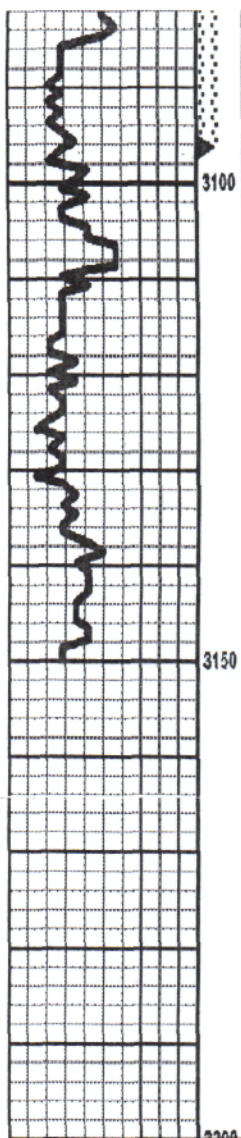
ARBUCKLE 3080 (-1442)

ARBUCKLE POROSITY 3087 (-1449)

CFS @ 3086'

DST #4 3056-3086 (Arbuckle)
15:30:15:30

NOTE: Slid about 5'



- DOL: crm-tan, f-mxin, pr-fr inxn por, rare gd vug por, rhombic, fso, even sat str, str odor
- DOL: crm-tan, f-cxin, mainly rhombic w/minor sucroaic, fr-gd inxn & vug por, gso, even sat str, str odor
- CHT wh-dr, fresh, sharp, NS
- DOL: crm-tan, m-cxin, rhombic, gd inxn & vug por, gso, even sat str, str odor
- DOL: crm-tan, m-cxin, rhombic, gd inxn & vug por, gso, even sat str, str odor
- ◇ DOL: as above w/slight decrease in show, minor amt of gilsonite
- DOL: wh-crm-tan, f-mxin, rhombic, much dense, pr-fr inxn por, minor sfo (mainly gilsonite), fr odor
- DOL: wh-crm-tan, f-mxin, rhombic, much dense, pr-fr inxn por, minor sfo (mainly gilsonite), fr odor

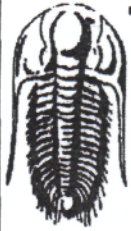
RTD - 3150'
LTD - 3150'

ARBUCKLE POROSITY 3087 (-1449)

CFS @ 3096'

DST #4 3056-3096 (Arbuckle)
15:30:15:30
NOTE: Slid about 5'
IF: No blow, flushed tool, died in 1 min, no return
FF: No blow, flushed tool, no blow, no return
Recovery: 45' SVOCM (2% O, 98% N)
IHP: 1546 FHP: 1500
IFP: 33-38 ISIP: 1021
FFP: 39-40 FSIP: 995
BHT - 102 F

Deviation Survey @ 3150' - XXX degrees



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

Haberer "A" #3
14-12-15 Russell,KS
Job Ticket: 45186 **DST#: 1**
Test Start: 2011.07.23 @ 02:27:00

GENERAL INFORMATION:

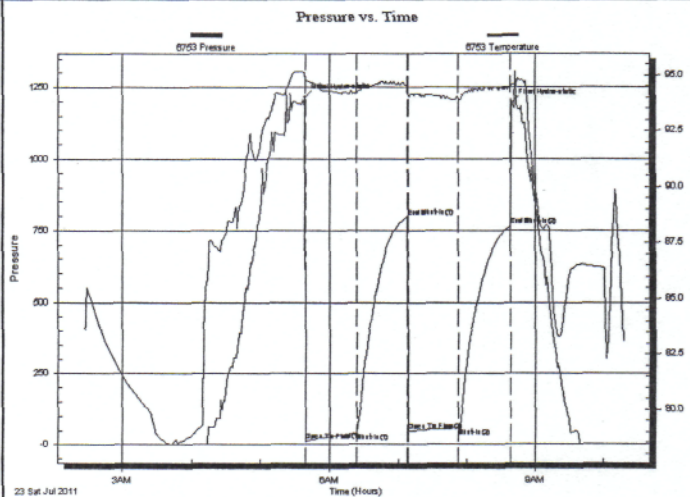
Formation: **Topeka**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 05:39:00
Time Test Ended: 10:17:30
Test Type: **Conventional Bottom Hole**
Tester: **Cody Bloedorn**
Unit No: **47**
Interval: **2520.00 ft (KB) To 2542.00 ft (KB) (TVD)**
Total Depth: **2542.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Reference Elevations: **1638.00 ft (KB)**
1630.00 ft (CF)
KB to GR/CF: **8.00 ft**

Serial #: 6753

Inside

Press@RunDepth: **58.26 psig @ 2521.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2011.07.23** End Date: **2011.07.23** Last Calib.: **2011.07.23**
Start Time: **02:27:05** End Time: **10:17:29** Time On Btm: **2011.07.23 @ 05:38:30**
Time Off Btm: **2011.07.23 @ 08:39:30**

TEST COMMENT: 45 - IF- B.O.B. in 7 Mn
45 - IS- No blow back
45 - FF- B.O.B. in 7 Mn
45 - FS- No blow back for 10 Mn, weak surface blow, died in 15 Mn.



PRESSURE SUMMARY

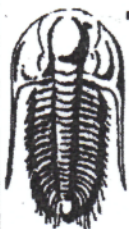
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1213.45	95.13	Initial Hydro-static
1	14.89	94.76	Open To Flow (1)
45	41.80	94.27	Shut-In(1)
89	797.55	94.54	End Shut-In(1)
90	49.96	94.09	Open To Flow (2)
134	58.26	93.90	Shut-In(2)
180	765.78	94.41	End Shut-In(2)
181	1193.29	94.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GHOCM, 10%M, 30%O, 60%G	0.30
62.00	GSOCM, 10%G, 10%O, 80%M	0.30
31.00	HOCM, 50%O, 50%M	0.43
0.00	540' of G.I.P.	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

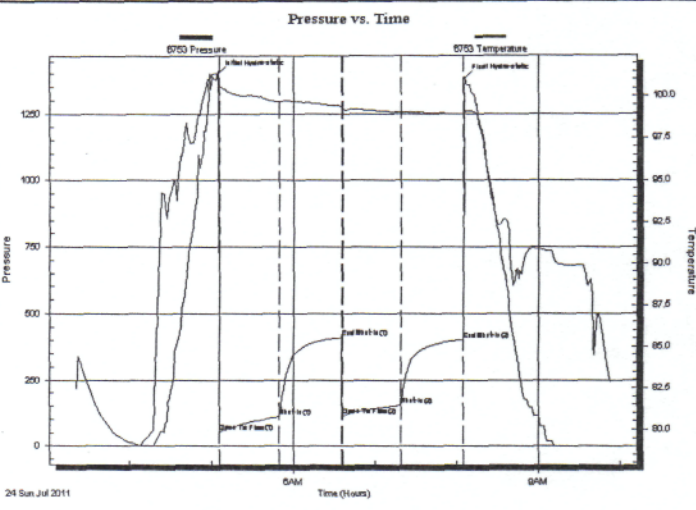
Haberer "A" #3
14-12-15 Russell, KS
Job Ticket: 45187 **DST#: 2**
Test Start: 2011.07.24 @ 03:21:00

GENERAL INFORMATION:

Formation: **LKC "A-C"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:05:30
Time Test Ended: 09:53:30
Test Type: Conventional Bottom Hole
Tester: Cody Bloedorn
Unit No: 47
Interval: **2804.00 ft (KB) To 2846.00 ft (KB) (TVD)**
Reference Elevations: 1638.00 ft (KB)
Total Depth: 2846.00 ft (KB) (TVD) 1630.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 6753 **Inside**
Press@RunDepth: 154.87 psig @ 2843.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.07.24 End Date: 2011.07.24 Last Calib.: 2011.07.24
Start Time: 03:21:05 End Time: 09:53:29 Time On Btmr: 2011.07.24 @ 05:05:00
Time Off Btmr: 2011.07.24 @ 08:06:00

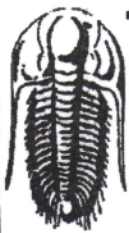
TEST COMMENT: 45 - IF- B.O.B. in 2 Mn.
45 - IS- No blow back
45 - FF- B.O.B. in 3 Mn.
45 - FS- 4" blow



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1402.31	100.99	Initial Hydro-static
1	52.08	100.55	Open To Flow (1)
44	110.57	99.64	Shut-In(1)
90	411.13	99.40	End Shut-In(1)
91	113.03	99.30	Open To Flow (2)
134	154.87	99.01	Shut-In(2)
180	403.08	98.89	End Shut-In(2)
181	1382.22	99.03	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
62.00	GHOCMV, 10%M, 20%G, 20%W, 50%O	0.30
186.00	GOOM, 20%M, 20%O, 60%G	2.61
10.00	GVSOCM, 5%G, 5%O, 90%M	0.14
0.00	2280' of G.I.P.	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

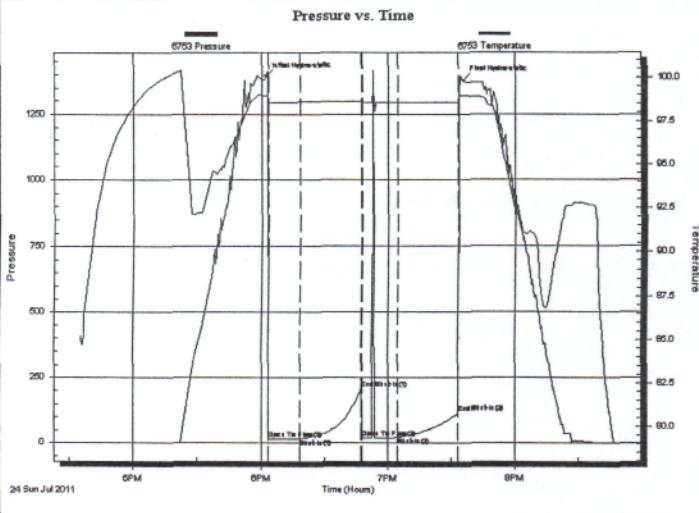
Haberer "A" #3
14-12-15 Russell, KS
Job Ticket: 43919 **DST#: 3**
Test Start: 2011.07.24 @ 16:35:21

GENERAL INFORMATION:

Formation: **KC"EF"**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 18:03:21
Time Test Ended: 20:47:21
Test Type: Conventional Bottom Hole
Tester: Brett Dickinson
Unit No: 47
Interval: **2860.00 ft (KB) To 2894.00 ft (KB) (TVD)**
Reference Elevations: 1638.00 ft (KB)
Total Depth: 2894.00 ft (KB) (TVD) 1630.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 6753 **Inside**
Press@RunDepth: 22.17 psig @ 2861.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.07.24 End Date: 2011.07.24 Last Calib.: 2011.07.24
Start Time: 16:35:26 End Time: 20:47:21 Time On Btm: 2011.07.24 @ 18:01:51
Time Off Btm: 2011.07.24 @ 19:35:21

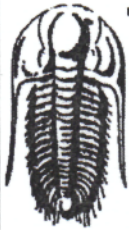
TEST COMMENT: IF-Weak surface blow died in 5 min
ISI-No blow
FF-No blow flush tool No blow
FSI-No blow



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1393.85	98.94	Initial Hydro-static
2	15.07	98.56	Open To Flow (1)
17	16.83	98.57	Shut-In(1)
46	207.17	98.62	End Shut-In(1)
46	18.35	98.55	Open To Flow (2)
63	22.17	98.55	Shut-In(2)
91	115.31	98.56	End Shut-In(2)
94	1377.98	98.93	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
5.00	Oil spotted Mud	0.02

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

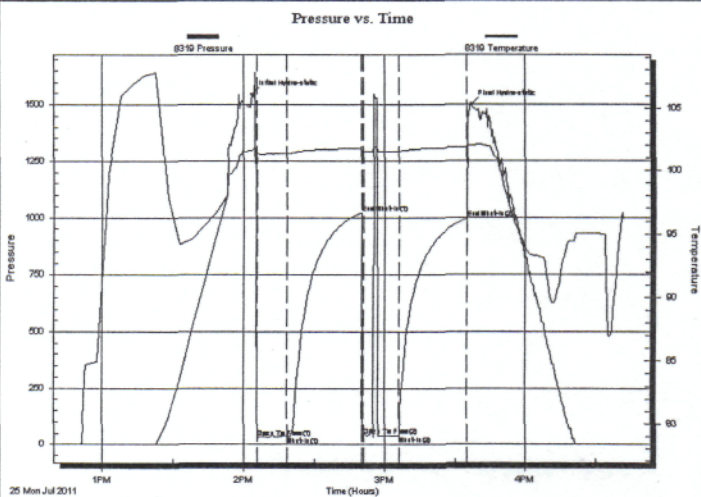
Haberer "A" #3
14-12-15 Russell,KS
Job Ticket: 43920 **DST#: 4**
Test Start: 2011.07.25 @ 12:50:56

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:05:26
Time Test Ended: 16:41:56
Interval: **3056.00 ft (KB) To 3096.00 ft (KB) (TVD)**
Total Depth: 3096.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Brett Dickinson
Unit No: 47
Reference Elevations: 1638.00 ft (KB)
1630.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8319 **Outside**
Press@RunDepth: 40.44 psig @ 3057.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.07.25 End Date: 2011.07.25 Last Calib.: 2011.07.25
Start Time: 12:51:01 End Time: 16:41:56 Time On Btm: 2011.07.25 @ 14:03:26
Time Off Btm: 2011.07.25 @ 15:36:56

TEST COMMENT: IF-NoBlow flush tool weak surface blow died in 1min
ISI-No blow
FF-No blow flush tool No blow
FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1546.03	101.61	Initial Hydro-static
2	32.71	101.40	Open To Flow (1)
15	37.70	101.42	Shut-In(1)
47	1021.03	101.77	End Shut-In(1)
48	38.59	101.51	Open To Flow (2)
63	40.44	101.51	Shut-In(2)
92	995.34	101.84	End Shut-In(2)
94	1499.87	102.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	VSOOM 2%O 98%M	0.63

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. 5108

Date	7-19-11	Sec.	14	Twp.	12	Range	15	County	Russell	State	Ks	On Location		Finish	2:15 PM
Lease	Haberer "A"		Well No.	3		Location Russell, Ks - N to Mellard Rd, 7 1/2 W									
Contractor	Southwind #3					Owner N/S									
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.	700'		Charge To									
Csg.	8 7/8"		Depth	698.85'		Mat. oil operations									
Tbg. Size						Street									
Tool						City State									
Cement Left in Csg.	8'		Shoe Joint	8'		The above was done to satisfaction and supervision of owner agent or contractor.									
Meas Line						Displace 44 BLS Cement Amount Ordered 300 sx 60/40 3%CC 2%Gr									

EQUIPMENT

Pumptrk	1	No.	Cementer	Cisco	Common	180
			Helper			
Bulktrk	10	No.	Driver	Rocky	Poz. Mix	120
			Driver			
Bulktrk	1	No.	Driver	Rick	Gel.	6
			Driver			

JOB SERVICES & REMARKS

Remarks:	Cement did Circulate.		Calcium	11
Rat Hole			Hulls	
Mouse Hole			Salt	
Centralizers			Flowseal	
Baskets			Kol-Seal	
D/V or Port Collar			Mud CLR 48	
			CFL-117 or CD110 CAF 38	
			Sand	
			Handling	317
			Mileage	

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	1-Baffle plate
	1-Rubber plug
	Pumptrk Charge Long Surface
	Mileage 10

X Signature *Jay Idrien*

Tax	
Discount	
Total Charge	

ALLIED CEMENTING CO., LLC. 035798

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Russell

DATE <u>7-26-11</u>	SEC. <u>14</u>	TWP. <u>12</u>	RANGE <u>15</u>	CALLED OUT	ON LOCATION	JOB START <u>2:00 p.m.</u>	JOB FINISH <u>3:00 p.m.</u>
LEASE <u>Haberer</u>	WELL# <u>A #3</u>	LOCATION <u>1 E of Garhays 10 N</u>			COUNTY <u>Russell, KS</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)			<u>5 E 10 to</u>				

CONTRACTOR Southwind Drilling Inc
 TYPE OF JOB Production string
 HOLE SIZE 7 7/8 T.D. 3150'
 CASING SIZE 5 1/2 14" DEPTH 3149
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX 1700 psi MINIMUM _____
 MEAS. LINE _____ SHOE JOINT 20.42
 CEMENT LEFT IN CSG. 20.42
 PERFS. _____
 DISPLACEMENT 76,34 bbl

OWNER _____
 CEMENT
 AMOUNT ORDERED 125 x 60/40 2% Gel 10% Salt
1/4" F10-seal
100 x 60/40 2% Gel 10% Salt + 1/4" 50-seal
1000 Gal WFR 2
 COMMON _____ @ _____
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE _____ @ _____
 ASC _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING _____ @ _____
 MILEAGE _____ @ _____

EQUIPMENT

PUMP TRUCK CEMENTER Heath, Shane
 # 409 HELPER Todd
 BULK TRUCK
 # 481 DRIVER Troy
 BULK TRUCK
 # 410 DRIVER Tony

REMARKS:

Ret Hole 3000' Insulate @ 3128.58
Miscel 1000 gal WFR 2, 10% gel 195 gal
slur 5% salt sludg wash
pump & c use. Displaced 76,34 bbl
Landed Plug @ 1700 ps
Float Held!

CHARGE TO: Ma,
 STREET _____
 CITY _____ STATE _____ ZIP _____

TOTAL _____

SERVICE

DEPTH OF JOB _____
 PUMP TRUCK CHARGE _____
 EXTRA FOOTAGE _____ @ _____
 MILEAGE _____ @ _____
 MANIFOLD _____ @ _____
 _____ @ _____
 _____ @ _____

TOTAL _____

PLUG & FLOAT EQUIPMENT

_____ @ _____
 (Ret) 11- Turbulocor _____ @ _____
 ac 1" Basket _____ @ _____
 Ret Float Shoe _____ @ _____

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

Thanks!

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 08, 2011

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

Re: ACO1
API 15-167-23716-00-00
Haberer 'A' 3
SE/4 Sec.14-12S-15W
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