



KANSAS CORPORATION COMMISSION 1064791
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

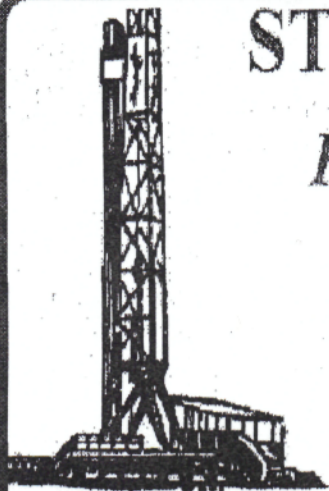
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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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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: Brungardt #2
 Location: Russell County
 License Number: API #15-167-23723-00-00
 Spud Date: 7/1/11
 Surface Coordinates: 610' FNL & 1175' FWL (approx. SE NENW NW)
 Section 27-T15S-R14W
 Bottom Hole Coordinates: Same as above
 Vertical well (minimal deviation)
 Ground Elevation (ft): 1883' K.B. Elevation (ft): 1891'
 Logged Interval (ft): 2700' To: TD Total Depth (ft): 3420'
 Formation: Howard through Arbuckle
 Type of Drilling Fluid: Chemical (Mudco - Rick Hughes, Mud Engineer)
 Region: Kansas
 Drilling Completed: 7/12/11

Printed by STRIP.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Mai Oil Operations, Inc.
Address: 8411 Preston Road
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
Cell: 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.

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:

Top Anhydrite - 897 (+994)
Base Anhydrite - 930(+961)
Topeka - 2797 (-906)
Heebner - 3029 (-1138)
Toronto - 3047 (-1156)
Lansing - 3092 (-1201)
Muncie Crk - 3231 (-1340)
BKC - 3297 (-1406)
Arbuckle - 3336 (-1445)

DSTs

The following DST's were performed by Dustin Rash with Triobite Testing (Hays, KS shop):

DST #1 3060-3120 (Toronto & LKC "A-C")

45:45:45:45

IF: BOB in 16.5 min, wk surf return for 2 min

FF: BOB in 21 min, no return

Recovery: 25' OCM (10% O, 90% M),

90' O&WCM (5% O, 25% W, 70% M),

186' MW (70% W, 30% M)

IHP: 1474 FHP: 1462

IFP: 23-95 ISIP: 759

FFP: 106-158 FSIP: 728

BHT - 101 F

Chlorides - 64,000 ppm

DST #2 3230-3284 (LKC "H,I,J")

30:30:15:30

IF: Wk blow, built to 3/4", no return

FF: No blow, no return

Recovery: 20' M w/oil spts (1% O, 99%M)

IHP: 1622 FHP: 1571

IFP: 16-21 ISIP: 655

FFP: 22-25 FSIP: 554

BHT - 103 F

DST #4 3316-3350 (Arbuckle)

45:45:45:45

IF: Blow built to 8", no return

FF: Blow built to 8", no return

Recovery: 40' Gsy Oil (10% G, 90% O),

45' OCM (20% O, 80% M)

IHP: 1680 FHP: 1601

IFP: 21-26 ISIP: 906

FFP: 34-43 FSIP: 862

Gravity - 43

BHT - 100 F

COMMENTS

Based on the results of DSTs, and log & sample analysis, it was recommended that 5-1/2" casing be run.

The Arbuckle should be productive, with recommended perforations at 3348-3352.

Other potentially commercial production is identified in the following zones:

LKC @ 3258-3264

Respectfully submitted.

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LKC @ 3258-3264

Respectfully submitted,

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

ROCK TYPES

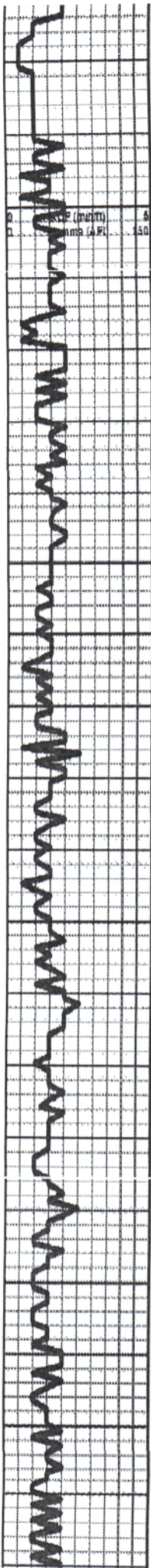
Anhy	Coal	Lmst	Shcol
Bent	Congl	Meta	Shgy
Brec	Dol	Mrlst	Sltst
Cht	Gyp	Salt	Ss
Clyst	Igne	Shale	Tll

OTHER SYMBOLS

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

Curve Track 1 ROP (min/ft) _____ Gamma (API) _____		Depth	Lithology	Oil Shows	Geological Descriptions	REMARKS
ROP (min/ft)	Gamma (API)	2700				The following are sample formation tops & associated datums (with KB of 1918'). Please refer to the main header for electric log tops & datums: Top Anhydrite: 897 (+994) Base Anhydrite: 930 (+961) NOTES: 8-5/8" Surface casing set @ 405' w/225 sacks cement Deviation survey @ 405' - 1/4 degree Geologist on location @ 9:00 AM on 7/8/11 @ depth of 2880'
		2750				
					SH: gry-grn-red	
					SH: gry-grn-red	

T0DFKA 2707 / 0001



SH: gry-grn-red

SH: gry-grn-red

LS: crm-tan, fxl, dense, NS

SH: gry-grn

LS: crm-tan, vxl, sl foss, dense, NS

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

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

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

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

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

SH: blk

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

SH: gry-grn

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

SH: gry-grn

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

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

LS: tan, fxl, sl foss, dense, NS

LS: tan, fxl, sl foss, dense, NS

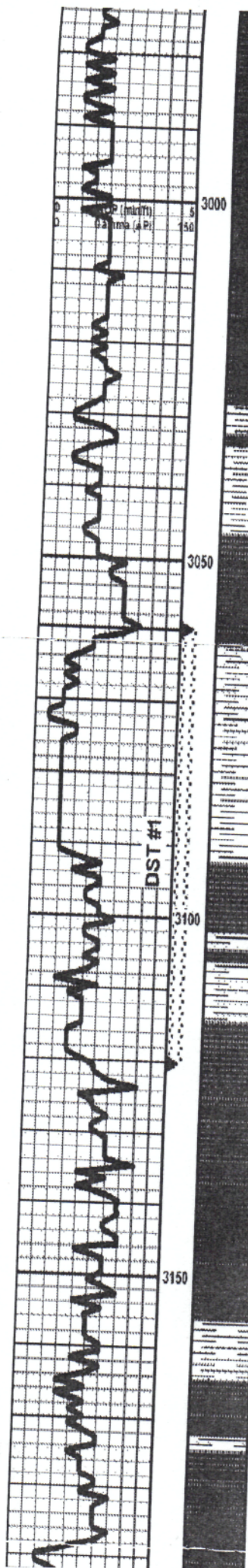
SH: blk

LS: crm-tan, vxl, foss, chalky, mottled, dense, NS

LS: crm-tan, vxl, foss, chalky, mottled, dense, NS

SH: gry-grn-red

LS: crm-tan, f-vxl, pr-frimxl por, calc in pt, sfo, sply str, sl odor



- LS: crm-tan, f-vxn, pr-frinxn por, oolc in pt, sfo, sply str, sl odor
- LS: crm-tan, f-vxn, pr-frinxn por, oolc in pt, sfo, sply str, sl odor
- LS: crm-tan-gry, vxn, sl chalky, dense, NS
- LS: crm-tan-gry, vxn, sl chalky, dense, NS
- SH: blk
- SH: gry-grn-red
- LS: wh-tan, fxn, sl foss, sl chalky, mostly dense sfo on brk, sply lite str, sl odor
- SH: gry-grn-red-brn (silty)
- SH: gry-grn-red-brn (silty)
- SH: gry-grn-red-brn (silty)
- LS: wh-crm, vxn, sl chalky, dense, NS
- LS: crm-gry, vxn, sl chalky, dense, NS
- SH: gry
- LS: wh-tan, fxn, oolc in pt, sfo, lite even str, sl odor (increase in show & porosity in 50 min sample)
- SH: gry-grn-red-brn
- LS: crm-tan-gry, vxn, sl foss, dense, NS
- LS: crm-tan, vxn, dense, cherty, NS
- LS: crm-tan, vxn, dense, cherty, NS
- SH: gry-grn
- LS: wh-tan-gry, vxn, sl foss, dense, cherty, NS
- SH: gry-grn
- LS: wh-tan, vxn, sl foss, dense, nsfo, tr edge str, sl odor

Survey @ 3120' - 1 degree

Pipe strap @ 3120' - 1.31' long to board

HEEBNER 3028 (-1137)

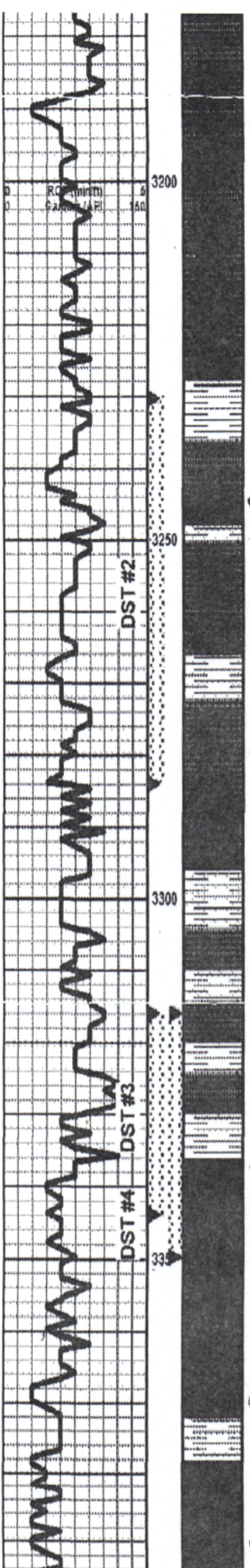
TORONTO 3047 (-1156)

DST #1 3060-3120 (Toronto & LKC "A-C")
 45:46:45:45
 IF: BOB in 16.5 min, wk surf return for 2 min
 FF: BOB in 21 min, no return
 Recovery: 25' OCM (10% O, 90% M),
 90' O&WCM (5% O, 25% W, 70% M),
 186' MW (70% W, 30% M)
 IHP: 1474 FHP: 1462
 IFP: 23-95 ISIP: 750
 FFP: 106-158 FSIP: 728
 BHT - 101 F
 Chlorides - 64,000 ppm

LANSING 3092 (-1201)

CF 5 @ 3120'

CF 5 @ 3174'



LS: wh-tan, vfxln, sl foss, dense, nsfo, tr edge str, sl odor

LS: crm-gry, fxl, sl foss, ool in pt, pr inxn por, nsfo, sl edge str, v-sl odor

3200

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

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

SH: blk-gry

LS: crm-tan, fxl, oolic, sl foss, pr fr inxn por, ffo, even sat str, str odor

LS: crm-tan, fxl, oolic, sl foss, fr-gd inxn & vug por, gfo, even sat str, str odor

3250

SH: gry-grn-red

LS: wh-tan, fxl, oolic, fr inxn por, sfo, sply str, sl odor

SH: gry-grn

LS: crm-gry, fxl, oolic, fr inxn/vug por, sfo, fr str, fr odor

CF 5 @ 3280'

LS: wh-gry, vfxln, dense, cherty, NS

SH: gry-red-brn

LS: crm-tan, vfxln, dense, NS

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

SH: grn-red-brn-gry

SH: as above

LS: crm-tan, vfxln, sl chalky, dense, nsfo, minor edge str, v-sl odor w/turq SH

DOL: wh-tan, mxln, rhombic, fr-gd inxn por, ffo, even sat str, str odor

DOL: wh-tan, mxln, rhombic, fr-gd inxn por, f-gfo, even sat str, str odor

DOL: wh-tan, mxln, rhombic, fr-gd inxn por, f-gfo, even sat str, str odor

DOL: wh-tan, mxln, rhombic, fr inxn por, ffo, sply sat str, str odor

DOL: wh-tan, f-mxln, rhombic, pr fr inxn por, sfo, sply str, fr odor

SH: gry-blk-grn

DOL: wh-tan, f-mxln, rhombic, pr fr inxn por, sfo, sply str, fr odor

DOL: as above mostly barren

MUNCIE CREEK 3231 (-1340)

DST #2 3230-3284 (LKC "H,I,J")
 30:30:15:30
 IF: Wk blow, built to 3'4", no return
 FF: No blow, no return
 Recovery: 20' M w/oil spts (1% O, 99% M)
 IHP: 1622 FHP: 1571
 IFP: 16-21 ISIP: 655
 FFP: 22-25 FSIP: 554
 BHT - 103 F

BKC 3298 (-1407)

DST #3 3316-3344 (Arbuckle)
 15:30:15:30
 IF: Wk surf blow died in 12 min, no return
 FF: No blow-flushed tool, no blow, no return
 Recovery: 8' OCM (15% O, 85% M)
 IHP: 1711 FHP: 1625
 IFP: 15-17 ISIP: 282
 FFP: 14-19 FSIP: 188
 BHT - 102 F

ARBUCKLE 3336 (-1445)

CF 5 @ 3344'

DST #4 3316-3350 (Arbuckle)
 45:45:45:45
 IF: Blow built to 8", no return
 FF: Blow built to 8", no return
 Recovery: 40' Gey Oil (10% G, 90% O),
 45' OCM (20% O, 80% M)
 IHP: 1680 FHP: 1601
 IFP: 24-26 ISIP: 906
 FFP: 34-43 FSIP: 882
 Gravity - 43
 BHT - 100 F

CF 5 @ 3350'

IFP: 15-17 ISIP: 282
 FFP: 14-19 FSIP: 188
 BHT - 102 F

ARBUCKLE 3336 (-1445)

CF 8 @ 3344'
 CF 5 @ 3350'

DST #4 3316-3350 (Arbuckle)
 45:45:45
 IF: Blow built to 8", no return
 FF: Blow built to 8", no return
 Recovery: 40' Gey Oil (10% G, 90% O),
 45' OCM (20% O, 80% M)
 IHP: 1680 FHP: 1601
 IFP: 21-26 ISIP: 906
 FFP: 34-43 FSIP: 862
 Gravity - 43
 BHT - 100 F

CTCH @ 3420' - 1.26 hr

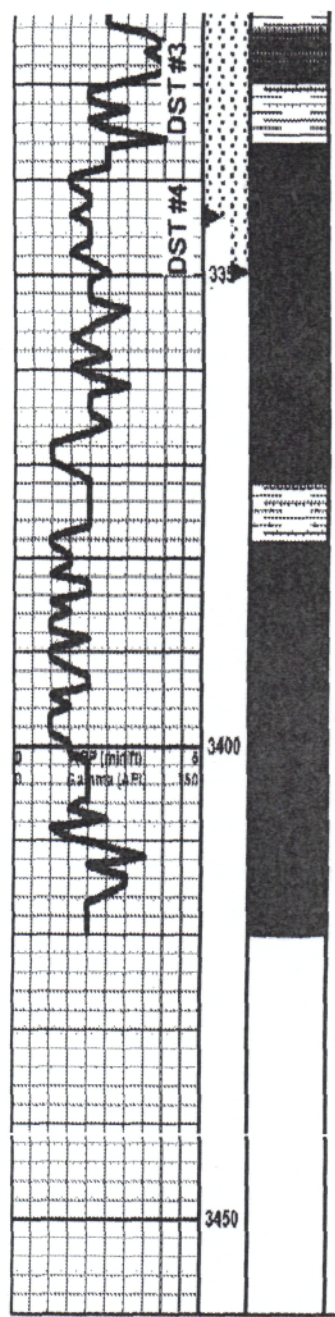
Survey @ 3420' -1 degree

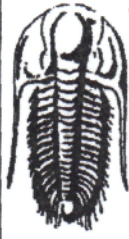
sn. gry-red-om-gry

SH: as above

- LS: crm-tan, vxltn, sl chalky, dense, nsfb, minor edge stn, v-al odor w/turq SH
- DOL: wh-tan, mxln, rhombic, fr-gd inxn por, fso, even sat stn, str odor
- DOL: wh-tan, mxln, rhombic, fr-gd inxn por, f-gsfo, even sat stn, str odor
- DOL: wh-tan, mxln, rhombic, fr-gd inxn por, f-gsfo, even sat stn, str odor
- DOL: wh-tan, mxln, rhombic, fr inxn por, fso, sply sat stn, str odor
- DOL: wh-tan, f-mxln, rhombic, pr-fr inxn por, sso, sply stn, fr odor
- SH: gry-blk-grn
- DOL: wh-tan, f-mxln, rhombic, pr-fr inxn por, sso, sply stn, fr odor
- DOL: as above mostly barren
- DOL: as above mostly barren
- DOL: as above w/abund brn, dense chert
- DOL: wh, dense, no vis por, NS

RTD - 3420'
 LTD - 3421'





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

Brungardt #2
27-15-14 Russell,KS
 Job Ticket: 45201 **DST#: 1**
 Test Start: 2011.07.08 @ 22:00:10

GENERAL INFORMATION:

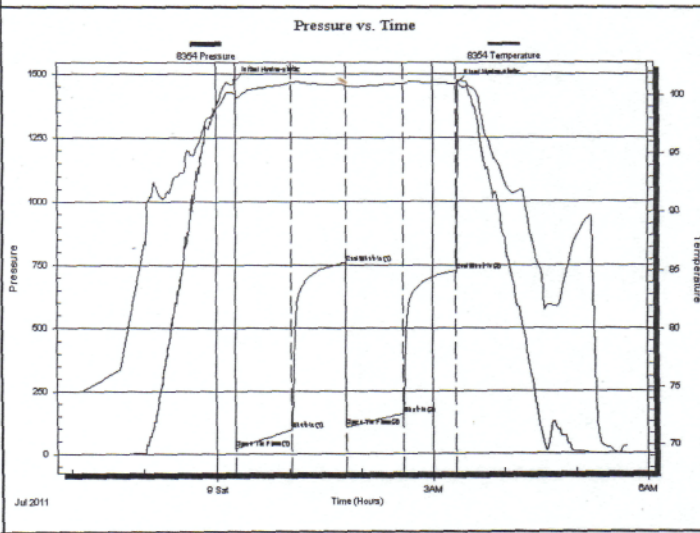
Formation: **Toronto & LKC "A-C"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:15:40
 Time Test Ended: 05:43:40
 Test Type: Conventional Bottom Hole
 Tester: Dustin Rash
 Unit No: 38
 Interval: **3060.00 ft (KB) To 3120.00 ft (KB) (TVD)**
 Total Depth: 3120.00 ft (KB) (TVD)
 Reference Elevations: 1891.00 ft (KB)
 1883.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 8.00 ft

Serial #: 8354

Inside

Press@RunDepth: 158.39 psig @ 3097.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.07.08 End Date: 2011.07.09 Last Calib.: 2011.07.09
 Start Time: 22:10:10 End Time: 05:43:40 Time On Btm: 2011.07.09 @ 00:15:10
 Time Off Btm: 2011.07.09 @ 03:21:10

TEST COMMENT: IF-Fair building blow . BOB in 16 minutes 30 seconds.
 IS-Very weak surface return for 2 minutes.
 FF-Fair building blow . BOB in 21 minutes.
 FSI-No Return.



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1473.71	100.18	Initial Hydro-static
1	23.01	99.77	Open To Flow (1)
47	95.42	101.04	Shut-In(1)
92	759.14	100.85	End Shut-In(1)
93	106.34	100.68	Open To Flow (2)
140	158.39	100.97	Shut-In(2)
185	727.54	101.01	End Shut-In(2)
186	1461.83	101.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	70%Water/30%Mud	2.61
90.00	70%Mud/25%Water/5%Oil	1.26
25.00	90%Mud/10%Oil	0.35

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

Brungardt #2
27-15-14 Russell, KS
Job Ticket: 45202 DST#: 2
Test Start: 2011.07.09 @ 21:13:30

GENERAL INFORMATION:

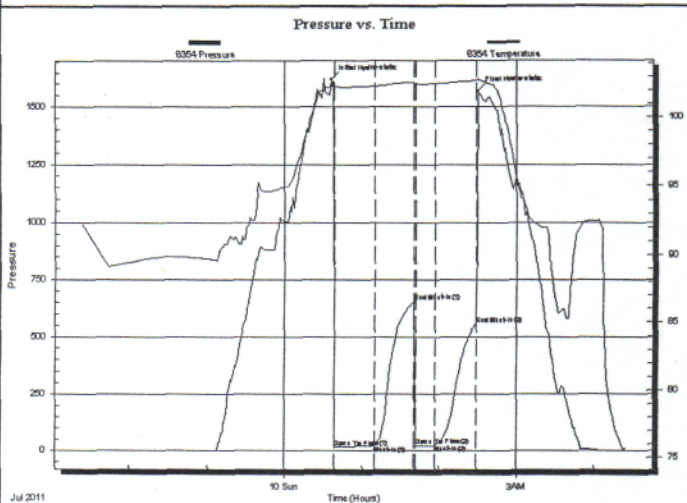
Formation: **LKC " H, I, & J"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole
 Time Tool Opened: 00:38:30
 Tester: Dustin Rash
 Time Test Ended: 04:25:00
 Unit No: 38
 Interval: **3230.00 ft (KB) To 3284.00 ft (KB) (TVD)**
 Reference Elevations: 1891.00 ft (KB)
 Total Depth: 3284.00 ft (KB) (TVD) 1883.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8354

Inside

Press@RunDepth: 24.99 psig @ 3269.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.07.09 End Date: 2011.07.10 Last Calib.: 2011.07.10
 Start Time: 21:23:30 End Time: 04:25:00 Time On Btm: 2011.07.10 @ 00:36:00
 Time Off Btm: 2011.07.10 @ 02:30:00

TEST COMMENT: IF-Very weak building blow . Built to 3/4 inches.
 IS- No Return.
 FF- No Blow .
 FSI- No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1622.04	102.25	Initial Hydro-static
3	15.54	102.27	Open To Flow (1)
34	21.24	102.29	Shut-In(1)
65	654.90	102.58	End Shut-In(1)
66	22.27	102.46	Open To Flow (2)
81	24.99	102.45	Shut-In(2)
113	553.54	102.67	End Shut-In(2)
114	1571.19	102.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	99%Mud/ 1% Oil specs	0.28

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

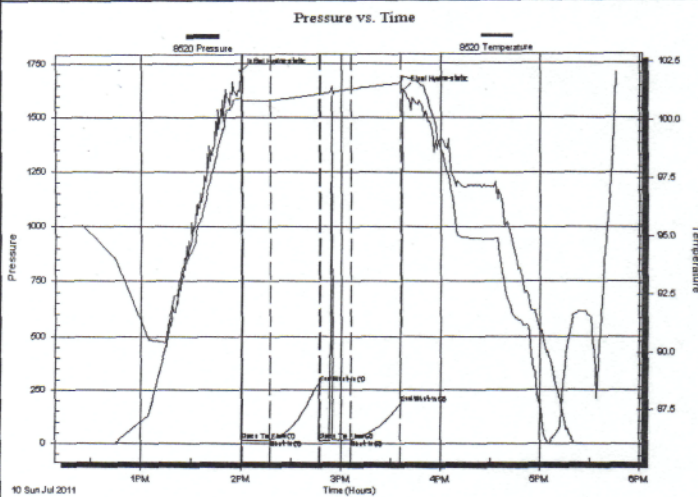
Brungardt #2
27-15-14 Russell,KS
Job Ticket: 45203 DST#: 3
Test Start: 2011.07.10 @ 12:14:25

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 14:00:25
Time Test Ended: 17:45:55
Interval: **3316.00 ft (KB) To 3344.00 ft (KB) (TVD)**
Total Depth: **3344.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole**
Tester: **Dustin Rash**
Unit No: **38**
Reference Elevations: **1891.00 ft (KB)**
1883.00 ft (CF)
KB to GRVCF: **8.00 ft**

Serial #: 8520 Outside
Press@RunDepth: **18.53 psig @ 3318.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2011.07.10** End Date: **2011.07.10** Last Calib.: **2011.07.10**
Start Time: **12:24:25** End Time: **17:45:55** Time On Btm: **2011.07.10 @ 13:59:15**
Time Off Btm: **2011.07.10 @ 15:37:25**

TEST COMMENT: IF-Very weak surface bubbles. Died @ 12 minutes.
ISI-No Return.
FF-No Blow. Flushed Tool.
FSI-No Return.



PRESSURE SUMMARY

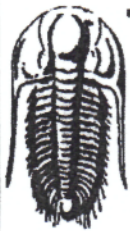
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1711.07	100.96	Initial Hydro-static
2	14.59	100.61	Open To Flow (1)
19	17.40	100.85	Shut-In(1)
48	281.93	101.13	End Shut-In(1)
49	14.48	101.12	Open To Flow (2)
67	18.53	101.33	Shut-In(2)
97	188.18	101.61	End Shut-In(2)
99	1624.66	101.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
8.00	85%Mud/15%Oil	0.11

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

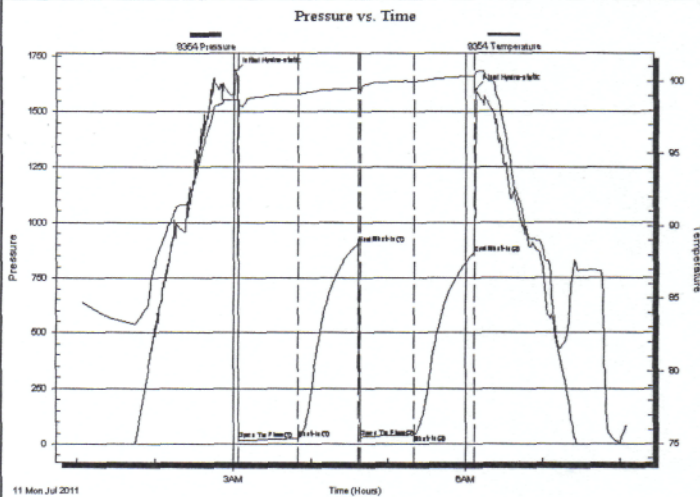
Brungardt #2
27-15-14 Russell,KS
Job Ticket: 45204 **DST#: 4**
Test Start: 2011.07.11 @ 00:54:15

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 03:03:45
Time Test Ended: 08:04:45
Test Type: Conventional Bottom Hole
Tester: Dustin Rash
Unit No: 38
Interval: **3316.00 ft (KB) To 3350.00 ft (KB) (TVD)**
Reference Elevations: 1891.00 ft (KB)
Total Depth: 3350.00 ft (KB) (TVD) 1883.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8354 **Inside**
Press@RunDepth: 43.38 psig @ 3318.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.07.11 End Date: 2011.07.11 Last Calib.: 2011.07.11
Start Time: 01:04:15 End Time: 08:04:45 Time On Btm: 2011.07.11 @ 03:01:45
Time Off Btm: 2011.07.11 @ 06:08:15

TEST COMMENT: IF-Weak building blow . Built to 8 inches.
ISI-No Return.
FF-Weak building blow . Built to 8 inches.
FSI-No Return.



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1680.12	98.72	Initial Hydro-static
2	21.30	98.24	Open To Flow (1)
48	26.29	99.08	Shut-In(1)
95	905.65	99.50	End Shut-In(1)
97	33.75	99.29	Open To Flow (2)
138	43.38	99.99	Shut-In(2)
185	861.80	100.32	End Shut-In(2)
187	1600.92	100.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	80%Mud/20%Oil	0.63
40.00	90%Oil/10%Gas	0.56

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. 4600

Date	7-4-11	Sec.	Twp.	Range	County	State	On Location	Finish
Lease	Brungardt	Well No.	2	Location	Russell	KS		9:00AM
Contractor	Southward #6	Owner	New 145					
Type Job	Surface	405		To Quality Oilwell Cementing, Inc.				
Hole Size	12 1/4	T.D.	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.					
Csg.	8 3/8	Depth	Charge To					
Tbg. Size		Depth	Mai O.L.					
Tool		Depth	Street					
Cement Left in Csg.	15'	Shoe Joint	City					
Meas Line		Displace	24.0 3/4	State				
				The above was done to satisfaction and supervision of owner agent or contractor.				
				Cement Amount Ordered 225.60 3 1/2				

EQUIPMENT

Pumptrk	9	No.	Cementer	Cory	Common	135
			Helper			
Bulktrk	10	No.	Driver	Doug	Poz. Mix	90
			Driver			
Bulktrk	PU	No.	Driver	Paul	Gel.	4
			Driver			
				Calcium 8		

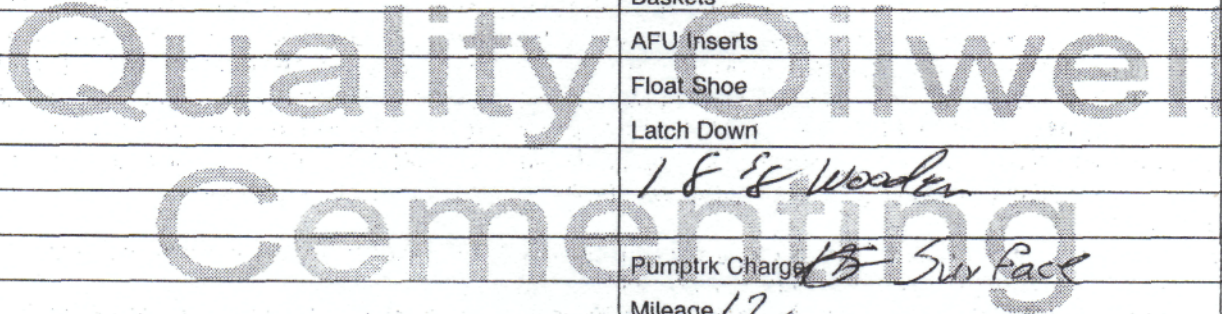
JOB SERVICES & REMARKS

Remarks:	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
Cement Cost	Sand
	Handling 237
	Mileage

FLOAT EQUIPMENT

Thanks	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	1 8' of Wooder
	Pumptrk Charge 15 Surface
	Mileage 12

Signature	Jay Brin	Tax
		Discount
		Total Charge



ALLIED CEMENTING CO., LLC. 035913

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Russell

DATE <u>7/12/11</u>	SEC. <u>22</u>	TWP. <u>15</u>	RANGE <u>14</u>	CALLED OUT	ON LOCATION	JOB START <u>9:30A</u>	JOB FINISH <u>5:30A</u>
LEASE <u>Crangard</u>		WELL# <u>2</u>	LOCATION <u>Russell #201 S 1.</u>			COUNTY <u>Russell</u>	STATE <u>KS</u>
OLD OR NEW (Circle one) <u>NEW</u>			<u>Stickney Rd 1/2 mi S.W.</u>				

CONTRACTOR <u>Southern Drilling Pgs #6</u>	OWNER _____
TYPE OF JOB <u>Production String</u>	CEMENT _____
HOLE SIZE <u>7 7/8</u> T.D. <u>3420'</u>	AMOUNT ORDERED <u>155 cu yds 101 Seal</u>
CASING SIZE <u>14" 5/8</u> DEPTH <u>3420</u>	<u>2" Gal. 1/2" WTR Seal</u>
TUBING SIZE _____ DEPTH _____	<u>1 1/2" Gal. WTR 2</u>
DRILL PIPE _____ DEPTH _____	COMMON _____ @ _____
TOOL _____ DEPTH _____	POZMIX _____ @ _____
PRES. MAX <u>1500 ps</u> MINIMUM _____	GEL _____ @ _____
MEAS. LINE _____ SHOE JOINT <u>20.50</u>	CHLORIDE _____ @ _____
CEMENT LEFT IN CSG. <u>20.50</u>	ASC _____ @ _____
PERFS. _____	_____ @ _____
DISPLACEMENT <u>82,956 gal</u>	_____ @ _____

EQUIPMENT

PUMP TRUCK # _____	CEMENTER <u>Shane</u>	HELPER <u>Low</u>
BULK TRUCK # <u>410</u>	DRIVER <u>Nick</u>	
BULK TRUCK # _____	DRIVER _____	

REMARKS:

Put 1/2" 3000' Taper @ 3399.50
Run Pipe to Bottom Fast Circulation
Mix 1" cement with 2" mud
125' str. fast down with pump
+ lines Displacement 82,956 gal
Cement Plug @ 1500 ps
Float Head

HANDLING _____ @ _____	TOTAL _____
MILEAGE _____ @ _____	

SERVICE

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

CHARGE TO: Ma C 1 Operations

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL _____

PLUG & FLOAT EQUIPMENT

<u>9" Tubing</u> @ _____
<u>Float Shoe</u> @ _____
<u>Catch down</u> @ _____
_____ @ _____

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

Shane

NR

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 06, 2011

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

Re: ACO1
API 15-167-23723-00-00
Brungardt 2
NW/4 Sec.27-15S-14W
Russell County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Allen bangert