



KANSAS CORPORATION COMMISSION 1066019
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: _____



1066019

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) _____

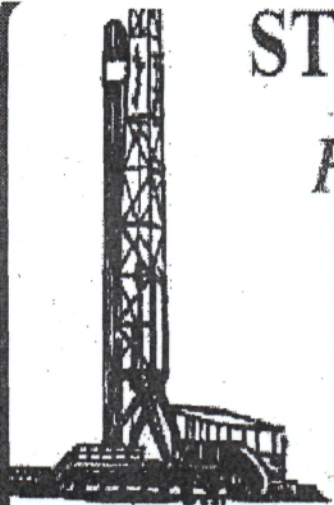
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Mai Oil Operations, Inc.
Well Name	Haberer 2-14
Doc ID	1066019

Tops

Name	Top	Datum
Anhydrite	704	+937
Tarkio Lime	2286	-645
Topeka	2540	-899
Heebner	2759	-1118
Toronto	2776	-1135
Lansing	2808	-1167
Base Kansas City	3062	-1421
Arbuckle	3085	-1444



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 #2-14
 Location: Russell County
 License Number: API #15-167-23744-00-00
 Spud Date: 9/16/11
 Surface Coordinates: 1625' FSL & 1375' FWL (Approx SW SW NE SW)
 Section 14-T12S-R15W
 Bottom Hole Coordinates: Vertical well with minimal deviation, same as above
 Region: Kansas
 Drilling Completed: 9/23/11
 Ground Elevation (ft): 1633' K.B. Elevation (ft): 1641'
 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 STRIP.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

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

GEOLOGIST

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

LogTops (Datum)

The open-hole logging was performed by Jeff 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:

LogTops (Datum)

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 - 704 (+937)
Base Anhydrite - 742 (+899)
Grandhaven - 2165 (-524)
Tarkio - 2286 (-645)
Topeka - 2540 (-899)
Heebner -2759 (-1118)
Toronto - 2776 (-1135)
Lansing - 2808 (-1167)
Muncie Crk - 2939(-1298)
BKC - 3062 (-1421)
Arbuckle - 3085 (-1444)
Arbuckle Porosity - 3092 (-1451)

DSTs

The following drillstem tests were performed by Cody Bloedoin w/Trilobite Testing (Hays shop):

DST #1 2814-1854 (LKC "A-C")
45:45:45:45
IF: Blow built to 6-1/2", no return
FF: Blow built to 5", Wk surf blow died in 5 min
Recovery: 124' GIP, 10' GVSOCM (5% G, 5% O, 90% M),
52' GMW (10% G, 70% W, 20% M), 31' GOCM
(5% G, 15% O, 80% M)
IHP: 1400 FHP: 1367
IFP: 29-50 ISIP: 424
FFP: 55-70 FSIP: 417
BHT - 93 F
Chlorides - 55,000 ppm

DST #2 2866-2906 (LKC "E-F")
45:45:45:45
IF: Blow built to 4-1/2", no return
FF: Blow built to 2", no return
Recovery: 28' WM w/scum of oil, 62' MW
IHP: 1426 FHP: 1391
IFP: 31-52 ISIP: 331
FFP: 55-70 FSIP: 319
BHT: 96 F
Chlorides: 60,000 ppm

DST #3 3066-3100 (Arbuckle)
45:45:45:45
IF: BOB in 42 min, no return
FF: Built to 3", no return
Recovery: 20' GMO (5% G, 90% O, 5% M),
124' GMO (10% G, 85% O, 5% M),
62' GOCM (5% G, 25% O, 70%M)
IHP: 1532 FHP: 1489
IFP: 18-60 ISIP: 976
FFP: 63-98 FSIP: 891
BHT - 98 F
Oil Gravity - 24

COMMENTS

Based on the results of DST #3, and log & sample analysis, it was recommended that casing be run to produce

COMMENTS





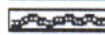

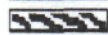
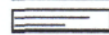
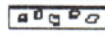

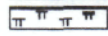

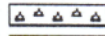





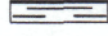
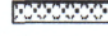
Based on the results of DST #3, and log & sample analysis, it was recommended that casing be run to produce the Arbuckle.

Cleaned & dried drill cutting samples were shipped to the Wichita Well Sample Library as requested by the Kansas Geological Survey.

Respectfully submitted,

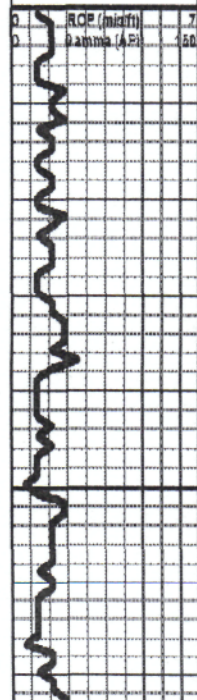
Steven P. Murphy, PG
Consulting Petroleum Geologist
(KS License #228)

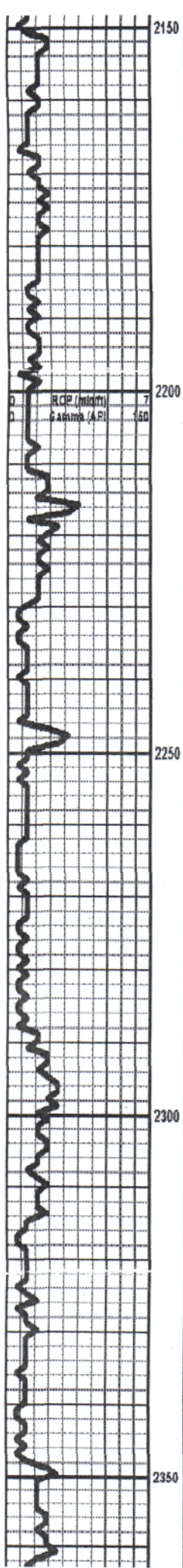
ROCK TYPES

 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
 Ques			 Sidewall

Curve Track i ROP (min/ft) ——— Gamma (API) - - -	Depth	Lithology	Oil Shows	Geological Descriptions	REMARKS
	2150			SH: gry LS: crm-brn, vfxn, foss, dense, NS LS: crm-gry, fcln, foss, dense NS	Southwind Rig #3 MIRU on 9/16/11 8-5/8" casing set @ 715' w/300 sacks Deviation Survey @ 715' - 1-1/2 degrees Geologist on location @ 2180' @ 8:30 AM on 7/19/11 (Wet & dry samples collected @ 20' intervals). The following are sample formation tops & associated datums (with KB of 1641'). Please refer to the main header for electric log tops & datums: GRANDHAVEN 2151 (-510)



LS: crm-brn, vfin, foss, dense, NS

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

SH: gry-grn-brn

SH: gry-grn-brn

SH: gry-grn-brn

SH: gry-grn-brn

SH: gry-grn-brn

Sst: vfg & SH: as above

Sst & SH: as above

SH: gry-grn-red

Sst: vfg, prly std, sub-ang, friable clusters, NS

Shaley

Sst: vfg, prly std, sub-ang, friable clusters, NS

Sst: vfg, prly std, sub-ang, friable clusters, NS

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

LS: as above

SH: gry-grn-red-blk

Sst: gry, vfg, prly std, sub-ang, clusters, friable, micaceous

Sst: as above (shaley)

SH: gry

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

GRANDHAVEN 2151 (-510)

TARKIO 2288 (-847)

ELMONT 2347 (-706)

ELMONT 2347 (-706)

Sst: as above (shaley)

SH: gry

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

SH: gry

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

SH: gry-grn

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

SH: gry-grn

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

SH: gry

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

SH: gry-grn

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

SH: gry-grn

Sst: gry, fgr, non-friable, dense clusters, abund shale, NS

SH & Sst: as above

SH: gry-grn

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

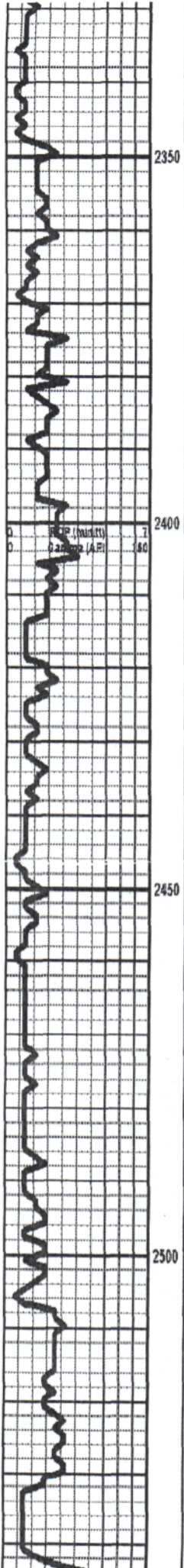
SH: gry

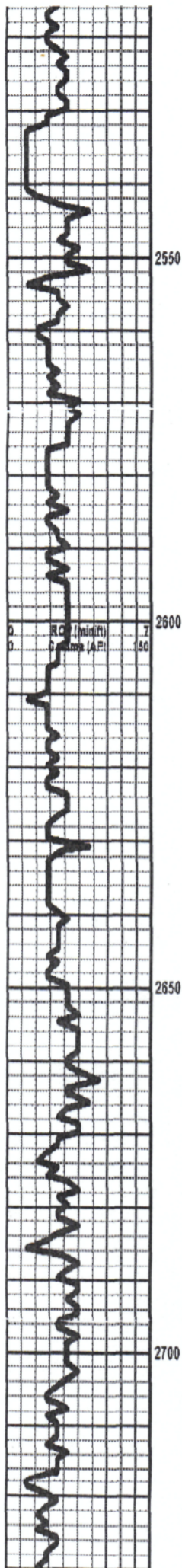
LS: crm-tan-gry, vxn, foss, dense, NS

LS: as above

SH: gry

(Begin 10' samples)





LS: as above

SH: gry

LS: crm-tan-gry, fxl'n, sl chalky, pr-fr lnx'n por, NS

SH: gry-grn

LS: crm-tan-gry, fxl'n, sl chalky, v foss, dense, NS

LS: crm-tan-gry, vxl'n, dense, abund dk dht, NS

LS: crm-tan-gry, vxl'n, dense, abund dk dht, NS

LS: tan-gry, vxl'n, foss, dense, NS

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

SH: blk-gry

SH: gry-grn-blk

LS: crm-tan, fxl'n, foss, chalky, NS

LS: wh-tan, vxl'n, foss, sl chalky, dense, NS

LS: wh-tan, vxl'n, foss, sl chalky, dense, NS

LS: wh-tan-gry, vxl'n, sl foss, dense, NS

LS: crm-tan-gry, vxl'n, dense, NS

SH: blk-dk gry

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

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

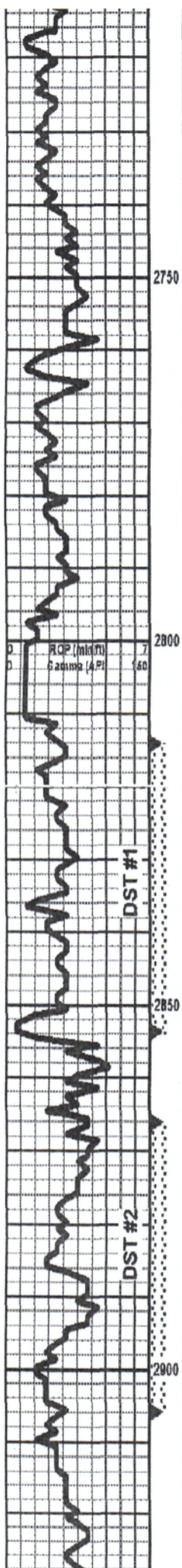
SH: gry-grn-blk

LS: crm-tan, fxl'n, pr-fr lnx'n por, oolc l'n pt, foss, NS

TOPEKA 2542 (-928)

CF 3 @ 2552'

Strap pipe @ 2610':
0.78' short to board
survey - 0 degrees



SH: gry-grn-blk

LS: crm-tan, fxdn, pr-fr lnxln por, oolic ln pt, foss, NS

LS: crm-tan, fxdn, pr-fr lnxln por, foss, nfo, spity str, no odor

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

LS: crm-tab, fxdn, sl foss, dense, NS

SH: blk

SH: gry-grn

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

SH: gry-grn-blk

SH: gry-grn-red-blk

LS: crm-tab, fxdn, sucrosic, foss, fr-gd lnxln & vug por, fso (gry on brk), even golden sat str, str odor

LS: crm-tab, fxdn, sucrosic, foss, fr-gd lnxln & vug por, fso (gry on brk), even golden sat str, str odor

SH: gry-grn-red

LS: wh-tan, fxdn, mostly dense, rare oolic, ssfo, spotty str, fr odor

LS: wh-crm, fxdn, oolic, gd vug por, ssfo, even sat str, str odor

SH: SH: gry-grn-red

LS: wh-tan, fxdn, oolic, fr-gd inter-ool por, ssfo (gry on brk), spotty str, fr odor

LS: wh-tan, f-vfxln, mostly dense, rare fr-gd lnxln & vug por, ssfo, spotty str, fr odor

SH: gry-grn-brn

LS: crm-gry, vfxln, sl foss, dense, nsfo, rare spotty str, sl odor

LS: crm-tan-gry, fxdn, oolic, chalky, fr-gd vug & int-ool por, ssfo, spotty str, fr odor

SH: gry-grn

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

HEEBNER 2759 (-1118)

TORONTO 2783 (-1142)

LANSING 2811 (-1170)

DST #1 2814-1854 (LKC "A-C")

45:45:45

IF: Blow built to 6-1/2", no return

FF: Blow built to 5", Wk surf blow died in 5 min

Recovery: 124' GIP, 10' GV SOCM (5% G, 5% O, 80% M),

52' GMW (10% G, 70% W, 20% M), 31' GOCM

(5% G, 15% O, 80% M)

IHP: 1400 FHP: 1367

IFP: 29-50 ISIP: 424

FFP: 55-70 FSIP: 417

BHT - 93 F

Chlorides - 55,000 ppm

CFS @ 2854'

DST #2 2886-2908 (LKC "E-F")

45:45:45

IF: Blow built to 4-1/2", no return

FF: Blow built to 2", no return

Recovery: 28' WM w/acum of oil, 82' MW

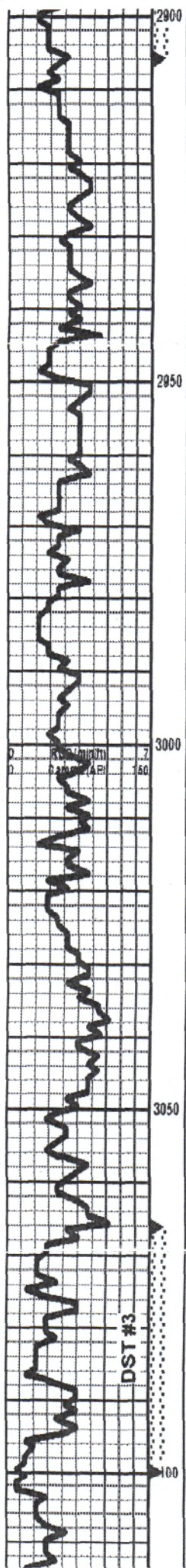
IHP: 1426 FHP: 1391

IFP: 31-32 ISIP: 331

FFP: 55-70 FSIP: 319

BHT: 95 F

Chlorides: 60,000 ppm



LS: tan-tan-gry, vln, dense, chaly, fr-gd vug & int-ool por, ssfo, spotty str, fr odor

SH: gry-grn

LS: wh-tan-gry, vln, chd ly, sl foss, cherty, dense, NS

LS: wh-tan-gry, vln, chaly, sl foss, cherty, dense, NS

LS: wh-tan-gry, vln, minor chert, dense, NS

SH: blk-gry

LS: crm-tan-gry, vln, sl foss, sl chaly, minor chert, dense, NS

SH: gry-grn

LS: wh-tan-gry, vln, mostly dense, oolc in part, pr-fr lnxn por, ssfo, spotty str, sl odor

SH: gry-gry-red

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

LS: wh-tan, vln, chaly, dense, ssfo, rare spotty str, sl odor

SH: blk-gry

SH: gry-

LS: wh-tan, vln, oolc in part, fr lnxn & vug por, ssfo (gay on brk), spotty str, sl odor

LS: crm-gry, vln, dense, chaly, NS

SH: gry-grn-red

LS: crm-tan, vln, ool, fr-gd lnxn & vug por, ssfo on brk, even sat str, fr odor

LS: wh-tan-gry, vln, sl chaly, dense, NS

SH: gry-grn-red

SH: gry-grn-red

LS: wh-tan-gry, vln, dense, minor chert, NS

DOL: crm-tan, f-mxln, fr-gd vug & lnxn por, rhombic, gsf, even sat str, str odor

DOL: crm-tan, f-mxln, fr-gd vug & lnxn por, rhombic, gsf, even sat str, str odor

DOL: crm-tan, vln, much dense & cherty, rare fr-gd lnxn por in rhombic, ssfo, spotty str, str odor

Chlorides: 60,000 ppm

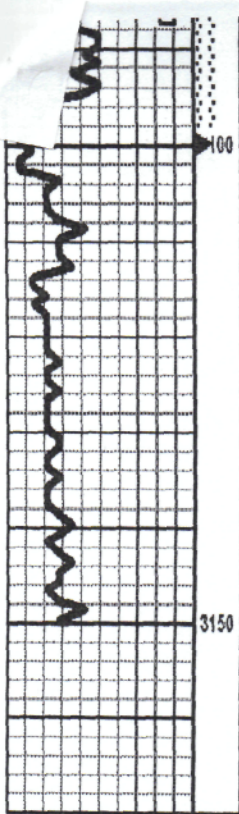
MUNCIE CREEK 3083 (-1329)

BKC 3087 (-1426)

DST #3 3066-3100 (Arbuckle)
 45:45:45:45
 IF: BOB in 42 min, no return
 FF: Built to 3", no return
 Recovery: 20' GMO (5% G, 90% O, 5% M),
 124' GMO (10% G, 85% O, 5% M),
 62' GOCM (5% G, 25% O, 70% M)
 IHP: 1532 FHP: 1489
 IFP: 18-60 ISIP: 976
 FFP: 63-98 FSIP: 891
 BHT - 98 F
 Oil Gravity - 24

ARBUCKLE 3095 (-1454)

ARBUCKLE 3095 (-1454)



LS: wh-tan-gry, v&ln, dense, minor chert, NS

- DOL: crm-tan, f-mxn, fr-gd vug & inxn por, rhombic, gsf, even sat stn, str odor
- DOL: crm-tan, f-mxn, fr-gd vug & inxn por, rhombic, gsf, even sat stn, str odor
- DOL: crm-tan, f&ln, much dense & cherty, rare f-gd inxn por in rhombic, ssfo, spotty stn, str odor
- DOL: wht-tan, mxn, gd inxn por, rhombic, gsf, even sat stn, str odor
- DOL: wht-tan, mxn, gd inxn por, rhombic, gsf, even sat stn, str odor (minor amt of gilsonite in some samples)
- DOL: wht-tan, mxn, gd inxn por, rhombic, gsf, even sat stn, str odor (incr of gilsonite in samples)
- DOL: as above w/m uch barren w/some gilsonite

RTD - 3150'



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

14-12s-15w Russell, KS
Haberer #2 - 14
 Job Ticket: 44546 DST#: 1
 Test Start: 2011.09.20 @ 15:00:00

GENERAL INFORMATION:

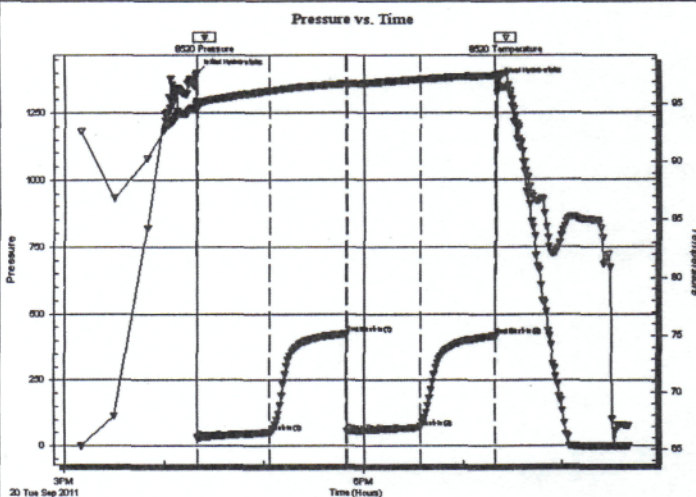
Formation: **KC "A-C"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:19:40
 Time Test Ended: 20:40:30
 Interval: **2814.00 ft (KB) To 2854.00 ft (KB) (TVD)**
 Total Depth: 2854.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Cody Bloedorn
 Unit No: 38
 Reference Elevations: 1651.00 ft (KB)
 1641.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8520

Outside

Press@RunDepth: 70.42 psig @ 2851.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.09.20 End Date: 2011.09.20 Last Calib.: 2011.09.20
 Start Time: 15:10:00 End Time: 20:40:30 Time On Btm: 2011.09.20 @ 16:19:30
 Time Off Btm: 2011.09.20 @ 19:21:00

TEST COMMENT: 45 - IF- 6 1/2" blow
 45 - IS- No blow back
 45 - FF- 5" blow
 45 - FS- Weak surface blow, died in 5 Min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1400.05	95.23	Initial Hydro-static
1	29.94	94.61	Open To Flow (1)
44	50.99	96.17	Shut-In(1)
90	424.64	96.78	End Shut-In(1)
90	55.32	96.75	Open To Flow (2)
135	70.42	97.17	Shut-In(2)
180	417.26	97.49	End Shut-In(2)
182	1367.52	97.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	GVSOOM, 5%G, 5%O, 90%M	0.14
52.00	GMV - Oil scum, 10%G, 20%M, 70%W	0.73
31.00	GOOM, 5%G, 5%O, 80%M	0.43
0.00	120" 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
8411 Preston RD, STE 800
Dallas, TX 75225 + 5520
ATTN: Steve Murphy

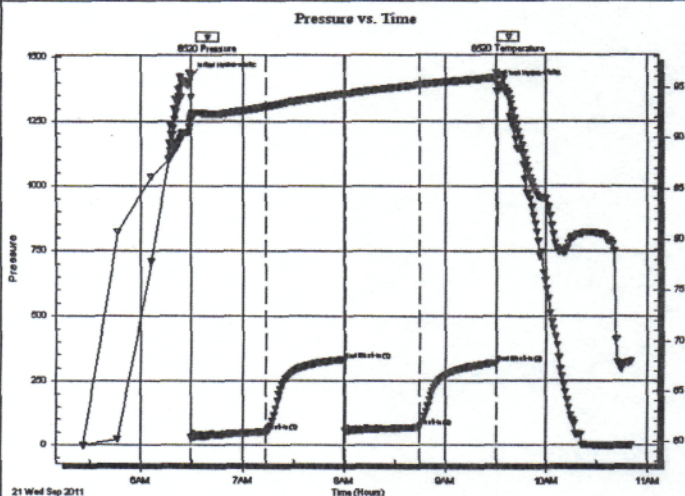
14-12s-15w Russell,KS
Haberer #2 - 14
Job Ticket: 44547 DST#: 2
Test Start: 2011.09.21 @ 05:16:00

GENERAL INFORMATION:

Formation: **LKC "E,F"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:29:40
Time Test Ended: 10:51:00
Interval: **2866.00 ft (KB) To 2906.00 ft (KB) (TVD)**
Total Depth: 2906.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Cody Bloedorn
Unit No: 38
Reference Elevations: 1651.00 ft (KB)
1641.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8520 Outside
Press@RunDepth: 70.33 psig @ 2903.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.09.21 End Date: 2011.09.21 Last Calib.: 2011.09.21
Start Time: 05:26:00 End Time: 10:51:00 Time On Btm: 2011.09.21 @ 06:29:20
Time Off Btm: 2011.09.21 @ 09:31:00

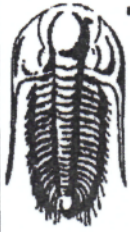
TEST COMMENT: 45 - IF- 4 1/2" blow
45 - IS- No blow back
45 - FF- 2" blow
45 - FS- No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1426.87	91.92	Initial Hydro-static
1	31.60	91.85	Open To Flow (1)
45	52.24	93.10	Shut-In(1)
91	331.03	94.37	End Shut-In(1)
92	55.03	94.37	Open To Flow (2)
136	70.33	95.24	Shut-In(2)
181	319.16	95.93	End Shut-In(2)
182	1391.76	96.08	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
62.00	MV, 40%M, 60%W	0.87
28.00	VM, Oil scum, 5%W, 95%M	0.39

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

14-12s-15w Russell,KS
Haberer #2 - 14
Job Ticket: 44548 **DST#: 3**
Test Start: 2011.09.22 @ 03:09:00

GENERAL INFORMATION:

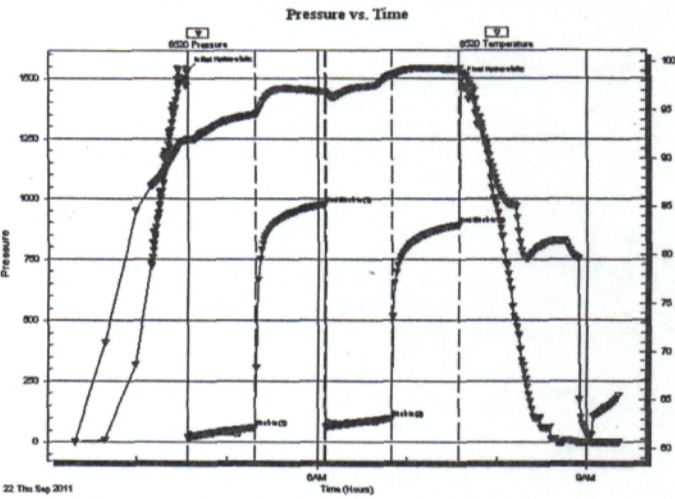
Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:33:50
Time Test Ended: 09:22:00
Test Type: Conventional Bottom Hole (Reset)
Tester: Cody Bloedorn
Unit No: 38
Interval: **3066.00 ft (KB) To 3100.00 ft (KB) (TVD)**
Reference Elevations: 1651.00 ft (KB)
Total Depth: 3100.00 ft (KB) (TVD) 1641.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 8520

Outside

Press@RunDepth: 98.48 psig @ 3067.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.09.22 End Date: 2011.09.22 Last Calib.: 2011.09.22
Start Time: 03:19:00 End Time: 09:22:00 Time On Btrr: 2011.09.22 @ 04:33:30
Time Off Btrr: 2011.09.22 @ 07:35:30

TEST COMMENT: 45 - IF- B.O.B. in 42 Min
45 - IS- No blow back
45 - FF- 3" blow
45 - FS- No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1532.04	92.03	Initial Hydro-static
1	18.99	91.78	Open To Flow (1)
45	60.34	94.56	Shut-In(1)
91	976.65	96.90	End Shut-In(1)
92	63.30	96.72	Open To Flow (2)
136	98.48	98.60	Shut-In(2)
181	891.77	99.24	End Shut-In(2)
182	1489.26	99.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GOCM, 5%G, 25%O, 70%M	0.87
124.00	GMO, 10%G, 5%M, 85%O	1.74
20.00	GMO, 5%G, 5%M, 90%O	0.28

* Recovery from multiple tests

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. 5097

Date	9-17-11	Sec.	Twp.	Range	County	State	On Location	Finish
Lease	Haberer	Well No.	2-14	Location	Russell	Ransas		10:15 AM
Contractor	Southwind Drilling Rig 3			Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Type Job				Charge To	Mai Oil Operations			
Hole Size	12 1/4	T.D.	715	Street				
Csg.	8 5/8 230	Depth	715	City	State			
Tbg. Size				The above was done to satisfaction and supervision of owner agent or contractor.				
Tool				Cement Amount Ordered 300 sacks 300 2 1/2				
Cement Left in Csg.	15-20	Shoe Joint						
Meas Line				Displace 44 1/2 Bbl				

EQUIPMENT

Pumptrk	5	No.	Cementer		Common	180
			Helper	Steve		
Bulktrk	10	No.	Driver	Michael	Poz. Mix	120
			Driver			
Bulktrk		No.	Driver		Gel.	6
			Driver			

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
	Sand
	Handling 317
	Mileage

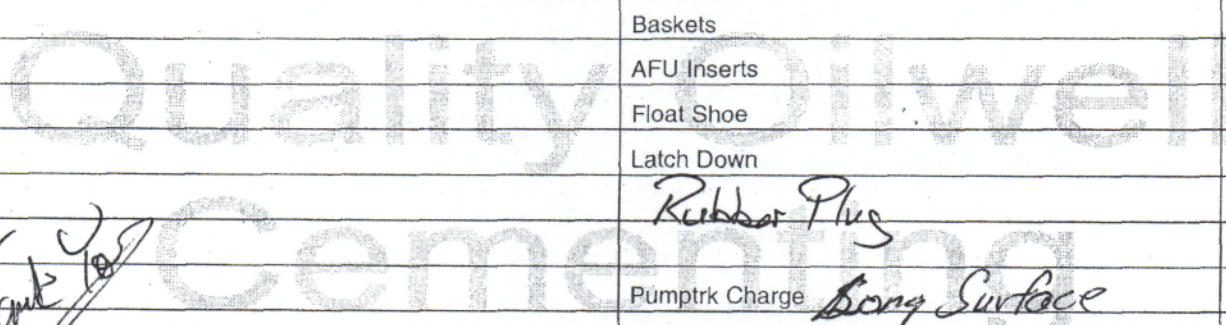
FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

	Rubber Plug
	Pumptrk Charge Bong Surface
	Mileage 121

Signature	Jay Shrier	Tax	
		Discount	
		Total Charge	

Thank You



ALLIED CEMENTING CO., LLC. 038326

Federal Tax I.D.# 20-5975804

BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Russell

DATE <u>1/23/11</u>	SEC. <u>14</u>	TWP. <u>12</u>	RANGE <u>15</u>	CALLED OUT	ON LOCATION	JOB START <u>4:30 A-</u>	JOB FINISH <u>5:30 A-</u>
BASE <u>Haberer</u>	WELL# <u>2-14</u>	LOCATION <u>Canyon N to Mallard Rd</u>			COUNTY <u>Russell</u>	STATE <u>Ks</u>	
OLD OR NEW (Circle one) <u>NEW</u>		<u>1/4 W N1/4</u>					

CONTRACTOR Southwind Drilling Rig #3
 TYPE OF JOB Production String
 HOLE SIZE 7 7/8 T.D. 3150'
 CASING SIZE 5 1/2 14# DEPTH 3145'
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX 1600 psi MINIMUM
 MEAS. LINE SHOE JOINT 21.72
 CEMENT LEFT IN CSG. 21.72
 PERFS.
 DISPLACEMENT 76.31 bbl

OWNER
 CEMENT
 AMOUNT ORDERED 100 1/4 152 Gal 2261
100 5/8 102 Gal 2261 16.44
1000 Gal WFR-2

EQUIPMENT
 PUMP TRUCK CEMENTER Shane Heall
 # 409 HELPER Todd
 BULK TRUCK
 # 410 DRIVER Mark
 BULK TRUCK
 # 378 DRIVER Cody H.

COMMON 120 @ 16.25 1950.00
 POZMIX 80 @ 8.50 680.00
 GEL 3 @ 21.25 63.75
 CHLORIDE @
 ASC @
 Flo. Sr. 1. 50 # @ 2.70 135.00
 Salt 25 @ 23.95 598.75
 WFR-2 1000 gal @ 1.10 N-C
 HANDLING 228 @ 2.25 513.00
 MILEAGE 111/84 miles @ 1.25 125.41
 TOTAL 4065.90

REMARKS:

Rot Hole 3050' Insert 3122.28'
Pipe on Bottom Est Circulation
Mixed 1000 Gal WFR-2
Mixed 170 lbs. Shut down
Washed Pump & Lines - Displace
76.31 bbl Condol Flu,
@ 1600 psi. Release
Float Held.

SERVICE

DEPTH OF JOB
 PUMP TRUCK CHARGE 2125.00
 EXTRA FOOTAGE @
 MILEAGE 10 @ 7.00 700.00
 MANIFOLD @
 @
Cur 10 @ 4.00 400.00
 TOTAL 3225.00

CHARGE TO: Main Oil Operations
 STREET
 CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

10 - Turbolizers @ 60.00 600.00
1 - Basket @ 236.00
1 - Float shoe @ 245.00
Catch down @ 194.00
 TOTAL 1275.00

Thanks!
 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.
 PRINTED NAME
 SIGNATURE [Signature]

SALES TAX (If Any)
 TOTAL CHARGES 8565.90
 DISCOUNT 50% IF PAID IN 30 DAYS

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 15-167-23744-00-00
Haberer 2-14
SW/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