



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

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



1064943

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other (Explain) _____

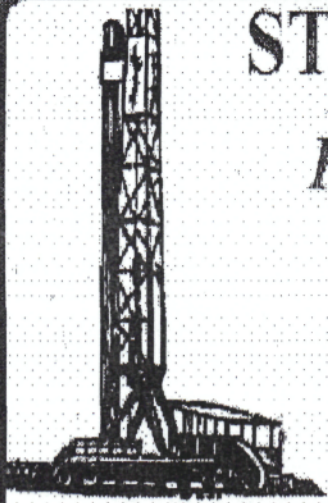
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(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	Flegler 'B' 3
Doc ID	1064943

Tops

Name	Top	Datum
Anhydrite	764	+990
Tarkio	2376	-622
Topeka	2648	-894
Heebner	2878	-1124
Toronto	2894	-1140
Lansing	2940	-1186
Base Kansas City	3141	-1387
Arbuckle	3186	-1432



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: Flegler B# ~~1~~ 3
 Location: Russell Co.
 License Number: API # 15-167-23726-00-00
 Spud Date: 6/29/11
 Surface Coordinates: 630' FNL & 1255' FWL
 Section 11-T15S-R14W
 Bottom Hole Coordinates: Vertical hole w/minimal deviation

Region: Kansas
 Drilling Completed: 7/7/11

Ground Elevation (ft): 1746' K.B. Elevation (ft): 1764'
 Logged Interval (ft): 2200' To: TD Total Depth (ft): 3265'
 Formation: Grand Haven through Arbuckle
 Type of Drilling Fluid: Chemical (Andy's Mud - Dennis Rector, Mud Engineer)

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 Luebbbers 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 are as follows:

LogTops (Datum)

The open-hole logging was performed by Jeff Luebbers 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 are as follows:

Top Anhydrite - 764 (+990)
Base Anhydrite - 800 (+954)
Grand Haven - 2306 (-552)
Tarkio - 2376 (-622)
Howard - 2580 (-826)
Topeka - 2648 (-894)
Heebner - 2878 (-1124)
Toronto - 2894 (-1140)
Lansing - 2940 (-1186)
Muncie Crk - 3075 (-1325)
BKC - 3141 (-1387)
Arbuckle - 3186 (-1432)

DRILL STEM TESTS #1-3

Drillstem testing was performed by Dustin Rash & Cody Bloedom w/Triobite Testing (Hays Office).

DST #1 2310-2360 (Tarkio Sat)

45:45:45:45

IF: Wk blow built to 10", no return

FF: Fair blow built to BOB in 23 min, surface return @ 8 min, died in 6 1/2 min

Recovery: 186' GIP, 3' Oil, 62' GOWCM (20%G, 20%O, 10% W, 50% M), 61' MCW (90%W, 10%M)

IHP: 1101 FHP: 1099

IFP: 17-47 ISIP: 625

FFP: 51-65 FSIP: 607

BHT: 95 F

Chlorides: 18,000 ppm

DST #2 2948-2986 (LKC "B&C")

45:45:45:45

IF: Blow built to 8", no return

FF: Blow built to 3", no return

Recovery: 180' GIP, 64' OCGWM (5% G, 20%O, 5% W, 70%M), 59' MW (5%W, 95% M)

IHP: 1505 FHP: 1498

IFP: 19-46 ISIP: 354

FFP: 56-63 FSIP: 344

BHT - 104 F

Chlorides - 46,000 ppm

DST #3 3008-3035 (LKC E & F)

30:30:30:30

IF: Built to 1/2", no return

FF: Built to 1/4", no return

Recovery: 62' WM w/oil scum (20% W, 80%M), 31' M w/oil scum

IHP: 1561 FHP: 1496

IFP: 39-49 ISIP: 364

FFP: 53-59 FSIP: 358

BHT - 104 F

Chlorides - 70,000 ppm

DRILL STEM TESTS #4-7

DST #4 3090-3140 (LKC "H.I.J")

FFP: 53-59 FSIP: 358
 BHT - 104 F
 Chlorides - 70,000 ppm

DRILL STEM TESTS #4-7

DST #4 3090-3140 (LKC "H,I,J")
 45:45:45:45
 IF: Blow built to 9", no return
 FF: Wk blow built to 1/2", no return
 Recovery: 20' VSOCWM (5% O, 25% W, 70% M), 62' SOCMW (10% O, 70% W, 20% M), 62' MW w/scum of oil (80% W, 20% M)
 IHP: 1620 FHP: 1546
 IFP: 35-77 ISIP: 307
 FFP: 82-111 FSIP: 304
 BHT - 106 F
 Chlorides - 50,000 ppm

DST #5 3180-3202 (Arbuckle)
 45:45:45:45
 IF: BOB in 17 min, no return
 FF: 6" blow, no return
 Recovery: 62' SOCGM (5% G, 5% O, 90% M), 310' SOCGWM (5% G, 5% O, 80% W, 10% M), 52' SOCM (5% O, 5% W, 90% M)
 IHP: 1697 FHP: 1580
 IFP: 24-117 ISIP: 1032
 FFP: 121-199 FSIP: 1017
 BHT - 110 F
 Chlorides - 13,000 ppm

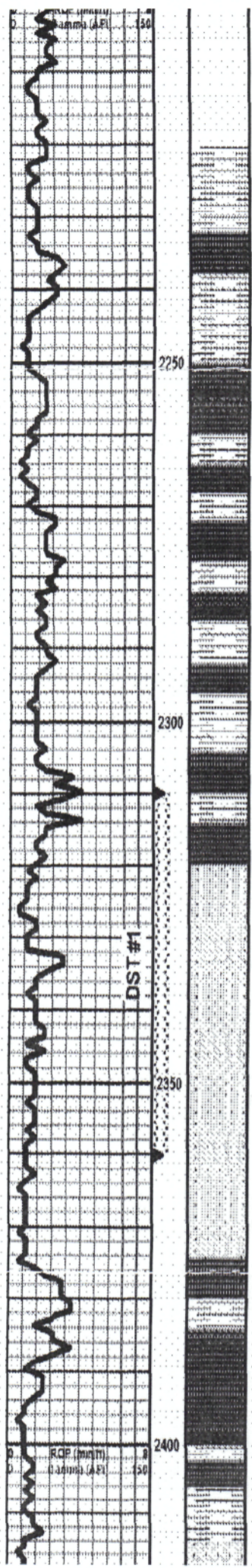
ROCK TYPES

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

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	Ithology	Oil Shows	Geological Descriptions	REMARKS
						<p>NOTES: 8-5/8" surface casing set @ 431' w/225 sx Deviation survey @ 433' - 3/4 degree Geologist on location @ 2215' on 7/2/11</p>



SH: gry

LS: crm-gry, fxl, sl loss, dense, NS

SH: gry-grn

LS: tan-gry, fxl, sl loss, dense, NS

SH: gry

LS: crm-gry, fxl, loss, sl chaly, dense, NS

LS: crm-gry, fxl, loss, sl chaly, dense, NS

SH: gry-grn-red (silty)

SH: gry-grn-red (silty)

LS: crm-tan-gry, vxl, loss, dense, NS

Sst gry, f-vly clusters w/ CaCO₂ cement, poorly sld, sub-ang, friable, sl shaly, frgd inter-gran por, glauconitic, micaceous, ssfo (gsy on brk), lt brn sat stn, fr odor

Sst gry, f-vly clusters w/ CaCO₂ cement, poorly sld, sub-ang, friable, sl shaly, frgd inter-gran por, glauconitic, micaceous, ssfo, lt brn sat stn, fr odor

Sst gry, f-vly clusters w/ CaCO₂ cement, poorly sld, sub-ang, friable, sl shaly, frgd inter-gran por, glauconitic, micaceous, ssfo (gsy on brk), lt brn sat stn, fr odor

Sst gry, f-vly clusters w/ CaCO₂ cement, poorly sld, sub-ang, friable, sl shaly, frgd inter-gran por, glauconitic, micaceous, ssfo (gsy on brk), lt brn sat stn, fr odor

LS: crm-gry, vxl, loss, dense, NS

LS: crm, fxl, dense, NS

SH: gry-grn (sandy)

SH: gry-grn (sandy)

NOTES:

8-5/8" surface casing set @ 431' w/225 sx
 Deviation survey @ 433' - 3/4 degree
 Geologist on location @2215' on 7/2/11

The following are sample formation tops & associated datums (with KB of 1754'). Please refer to the main header for electric log tops & datums:

TOP ANHYDRITE - 766 (+988)
BASE ANHYDRITE - 801 (+953)

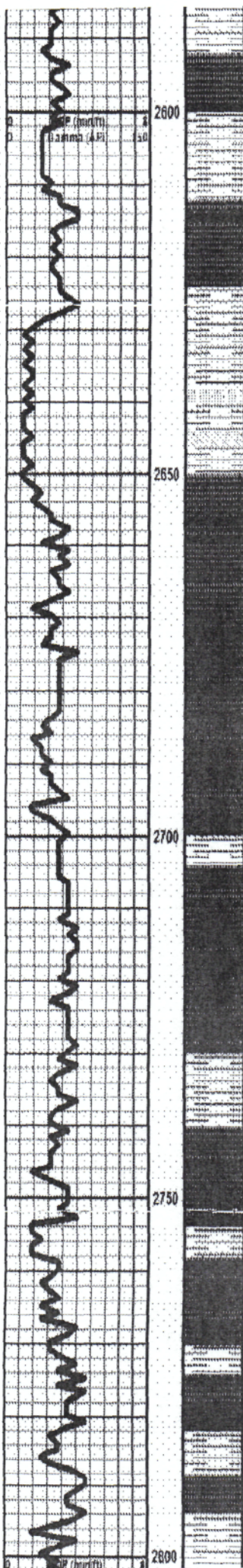
GRAND HAVEN 2307 (-553)

DST #1 2310-2360 (Tarkio Sst)
 45:45:45
 IF: Wk blow built to 10', no return
 FF: Fair blow built to BOB in 23 min, surface return @ 8 min, died in 6 1/2 min
 Recovery: 188' GIP, 3' Oil, 62' GOWCM (20%G 20%O, 10% W, 50% M), 81' MCW (90%W, 10%M)
 IHP: 1101 FHP: 1099
 IFP: 17.47 ISIP: 625
 FFP: 51-65 FSIP: 607
 BHT: 95 F
 Chlorides: 18,000 ppm

Pipe strap @ 2360' (DST #1) 0.39' long to board, no correction

CFs @ 2360' Deviation survey @ 2360' - 1-1/4 degrees

TARKIO LM 2378 (-622)



SH: gry

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

SH: gry-grn-blk

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

SH: gry

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

SH: gry-grn

SH: as above w/sst clusters (NS)

SH: as above w/sst clusters (NS)

LS: crm-tan, fxl, pr-fr inxn & ppt por (mostly dense), sl chalky, ssfo, spotty str, fr odor

LS: crm-tan, fxl, pr-fr inxn & ppt por (mostly dense), sl chalky, ssfo, spotty str, fr odor

LS: crm-tan-gry, f-vxn, mostly dense, rare fr ppt por, ssfo, spty str, fr odor

LS: crm-tan, fxl, foss, sl chalky, fr-gd inxn por, ssfo, spty str, fr-gd odor

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

SH: gry

LS: crm-brn, vxn, chalky, foss, mottled, dense, NS

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

LS: crm-gry, fxl, foss, pr-fr inxn por, ssfo, even str, fr odor

SH: blk

SH: blk-gry

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

SH: grn-gry

LS: wh-tan, vxn, dense, NS

SH: gry-grn

LS: wh-tan, vxn, dense, NS

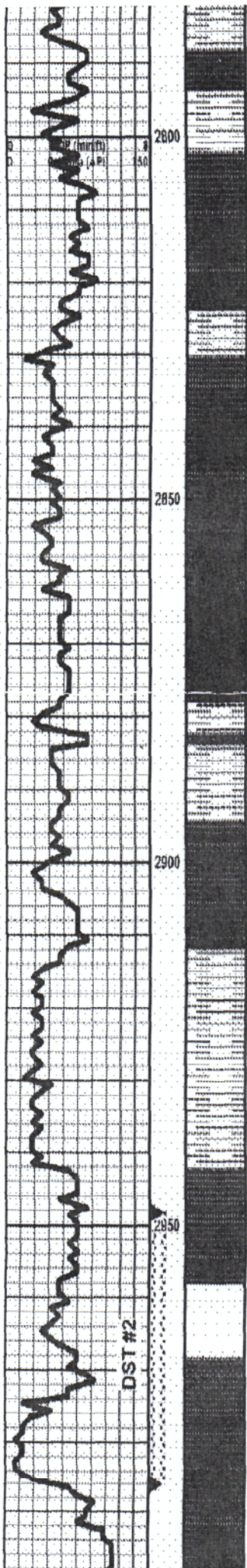
SH: grn-gry

SH: blk

TOPEKA 2654 (-900)

KING HILL SHALE 2737 (-983)

QUEEN HILL SHALE 2795 (-1041)



SH: gm-gry

SH: blk

LS: crm-brn, vxl n, dense, cherty, NS

LS: as above

SH: gry

LS: wh-gry, oolitic in pt, fr-gd lnxln & ppt por, fsfo, even sat str, fr odor

LS: as above w/fr-gd vug por

LS: crm-brn, fxl n, oolitic in pt, pr-fr lnxln & vug por, vsfb, even sat str, fr odor

LS: crm-brn-gry, fxl n, oolitic in pt, fr-gd vug por, ssfo, spty str, sl odor

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

SH: blk

SH: gry-grn

LS: crm-tan-gry, fxl n, foss, sl chalky, fr lnxln por, ssfo on brk, spty str, sl odor

LS: wh-crm, fxl n, oolitic, gd inter-ool por, ssfb, even sat str, fr odor

LS: wh-tan, vxl n, cherty, dense, NS

SH: gry-grn-red

SH: gry-grn-red

SH: gry-grn-red

LS: crm-gry, blk n, foss, fr lnxln por, ssfb, even sat str, str odor

LS: crm-gry, blk n, foss, fr-gd lnxln & vug por, fsfo, even sat str, str odor

SH: gry-grn-red

LS: wh-crm, fxl n, oolitic, gd lnxln & vug por, ssfb, lite even str, str odor

LS: wh-crm, fxl n, oolitic, gd oomoldic & vug por, ssfb, even sat str, str odor

SH: gry-grn

LS: wh-brn, vxl n, dense, NS

QUEEN HILL SHALE 2795 (-1041)

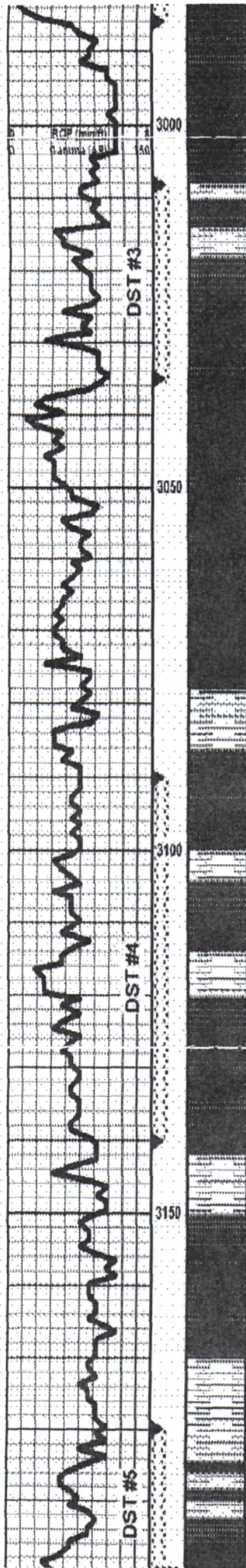
HEEBNER 2879 (-1125)

TORONTO 2893 (-1139)

LANSING 2942 (-1188)

DST #2 2942-2986 (LKC B & C)
 43:43:45
 IF: Blow built to 8", no return
 FF: Blow built to 3", no return
 Recovery: 180' GIP, 64' OCGWM (5% G, 20% O, 5% W, 70% M), 90' MW (5% W, 95% M)
 IHP: 1905 FHP: 1498
 IFP: 19-48 ISIP: 354
 FFP: 56-63 FSIP: 344
 BHT - 104 F
 Chlorides - 48,000 ppm

CF 3 @ 2898'



SH: gry-grn

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

LS: wh-tan, vfxln, oolitic in pt, foss in pt, dense, NS w/abund gry-grn sh

LS: wh-gry, vfxln, dense, cherty, NS w/abund gry-grn-red sh

LS: crm-gry, vfxln, mottled in pt, dense, sl chalky, NS

LS: crm-gry, ffxln, foss, mostly dense, rare pr-fr inxln por, vesic on brk, rare sply str, sl odor

LS: wh-tan, ffxln, mostly dense, foss, rare gd inxln & vug por, ssfo (gry on brk), even sat str, fr odor

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

LS: wh-crm, vfxln, dense, NS

LS: wh-crm, vfxln, dense, NS

LS: wh-crm, vfxln, dense, NS

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

SH: blk-gry

LS: crm-tan, ffxln, foss, rare fr-gd inxln por, ssfo on brk, spotty str, sl odor

LS: wh-tan-brn, vfxln, foss, dense, NS

LS: crm-brn-gry, vfxln, sl foss, dense, NS

SH: gry-grn

LS: wh-gry, ffxln, oolitic in pt, gd vug por, ssfo, even sat str, str odor

LS: wh-tan, ffxln, oolitic in pt, fr-gd vug por, ssfo, even sat str, str odor

LS: wh-tan-gry, ffxln, oolitic, mostly dense, rare gd vug por, ssfo, even sat str, gd odor

LS: wh-tan-gry, ffxln, oolitic, mostly dense, rare gd vug por, ssfo, even sat str, gd odor

SH: gry-grn-red

LS: wh-tan, f-vfxln, mostly dense, tr str, nfo, sl odor

LS: wh-oolitic, fr vug por, ssfo, lite sply str, sl odor

LS: wh-tan-gry, vfxln, dense, chily, NS

LS: wh-tan-gry, vfxln, dense, chily, NS

SH: gry-grn-red

Mix of multie sh, minor sat & ls

DOL: wh-tan, f-mxln, rhombic, fr-gd inxln & vug por, ssfo, even sat str, str odor

CF 5 @ 2995'

CF 5 @ 3035'

CF 5 @ 3092'

CF 5 @ 3118'

CF 5 @ 3140'

Chlorides - 48,000 ppm

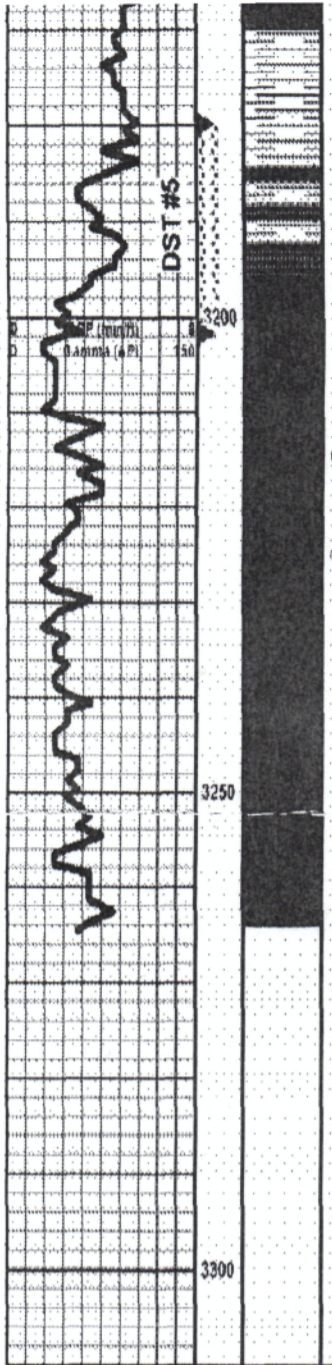
DST #3 3008-3035 (LKC E & F)
 30:30:30:30
 IF: Built to 1/2", no return
 FF: Built to 1/4", no return
 Recovery: 62' WM w/oil acum (20% W, 80% M),
 31' M w/oil acum
 IHP: 1561 FHP: 1496
 IFP: 39-49 FSIP: 364
 FFP: 53-59 FSIP: 358
 BHT - 104 F
 Chlorides - 70,000 ppm

MUNCIE CREEK 3083 (-1329)

DST #4 3090-3140 (LKC "H.I.J.")
 45:45:45:45
 IF: Blow built to 5", no return
 FF: Wk blow built to 1/2", no return
 Recovery: 20' VSOCWM (5% O, 25% W, 70% M), 62' SOCMW (10% O, 70% W, 20% M),
 62' MW w/acum of oil (80% W, 20% M)
 IHP: 1620 FHP: 1546
 IFP: 35-77 FSIP: 307
 FFP: 82-111 FSIP: 304
 BHT - 106 F
 Chlorides - 50,000 ppm

BASE KC 3143 (-1389)

ARBUCKLE 3195 (-1441)



SH: gry-grn-red

Mix of multic sh, minor sst & ls

DOL: wh-tan, f-mxin, rhombic, fr-gd inxln & vug por, sfo, even sat stn, str odor

DOL: wh-tan, f-mxin, rhombic, fr-gd inxln & vug por, sfo, even sat stn, str odor

DOL & LS: wh-brn, vfxn, conglomeratic, dense, w/abund multic shale and DOL: as above w/sfo & stn, fr odor

DOL: wh-tan, vfxn, dense to fr inxln por, vsgfo, sply stn, fr odor

DOL: wh-tan, vfxn, dense to fr inxln por, vsgfo, sply stn, fr odor

DOL & CHT: wh, rare fr inxln por, mostly dense, fr fo & stn, sl odor

DOL & CHT: wh, rare fr inxln por, mostly dense, fr fo & stn, sl odor

RTD - 3265'

LTD - 3265'

ARBUCKLE 3195 (-1441)

CF 5 @ 3200'

DST #5 3180-3202 (Arbuckle)

45:45:45

IF: BOB in 17 min, no return

FF: 6" blow, no return

Recovery: 62' SOCGM (5% G, 5% O, 90% M)

310' SOCGWM (5% G, 5% O, 80% W, 10% M)

52' SOCM (5% O, 5% W, 90% M)

IHP: 1697 FHP: 1580

IFP: 24-117 ISIP: 1002

FFP: 121-190 FSIP: 1017

BHT - 110 F

Chlorides - 13,000 ppm

CTCH 1.5 hrs @ 3265' (RTD)



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

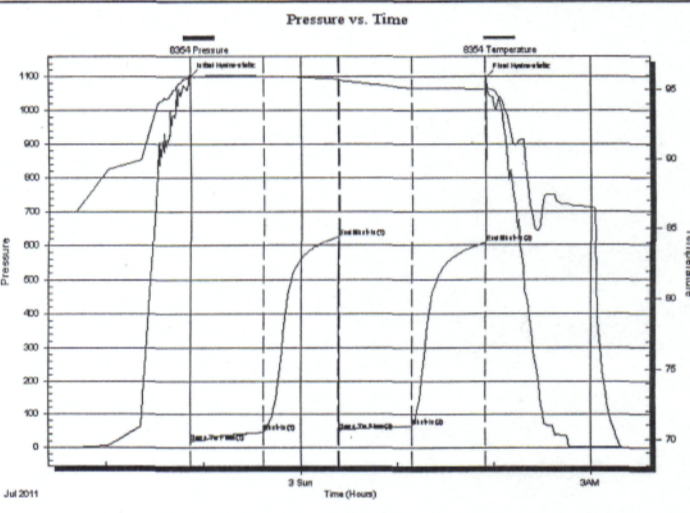
Flegler B #3
11-15-14 Russell, KS
 Job Ticket: 42424 **DST#: 1**
 Test Start: 2011.07.02 @ 21:31:30

GENERAL INFORMATION:

Formation: **Tarkio**
 Deviated: **No Whipstock** ft (KB)
 Test Type: **Conventional Bottom Hole**
 Time Tool Opened: 22:51:50
 Tester: **Dustin Rash**
 Time Test Ended: 03:20:00
 Unit No: **38**
 Interval: **2310.00 ft (KB) To 2360.00 ft (KB) (TVD)**
 Reference Elevations: **1754.00 ft (KB)**
 Total Depth: **2360.00 ft (KB) (TVD)**
 1746.00 ft (CF)
 Hole Diameter: **7.88 inches** Hole Condition: **Poor**
 KB to GR/CF: **8.00 ft**

Serial #: 8354 Inside
 Press@RunDepth: **64.84 psig @ 2349.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2011.07.02** End Date: **2011.07.03** Last Calib.: **2011.07.03**
 Start Time: **21:41:30** End Time: **03:20:00** Time On Btm: **2011.07.02 @ 22:51:40**
 Time Off Btm: **2011.07.03 @ 01:55:00**

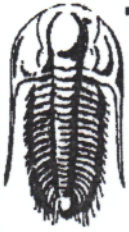
TEST COMMENT: IF-Weak building blow. Built to 10 inches.
 IS-No Return.
 FF-Fair building blow. BOB in 23 minutes.
 FSI-Surface return @ 8 minutes. Died in 6 minutes 30 seconds.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1101.04	96.06	Initial Hydro-static
1	17.14	95.52	Open To Flow (1)
46	46.59	95.93	Shut-In(1)
92	624.57	95.73	End Shut-In(1)
93	50.54	95.63	Open To Flow (2)
138	64.84	95.07	Shut-In(2)
183	607.40	95.01	End Shut-In(2)
184	1099.01	95.15	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
61.00	90%Water/10%Mud	0.30
62.00	50%Mud/20%Gas/20%Oil/10%Water	0.87
3.00	100%Oil	0.04

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

Flegler B #3

8411 Preston Rd.
Ste. #800
Dallas, TX 75225
ATTN: Steve Murphy

11-15-14 Russell, KS

Job Ticket: 42425 **DST#: 2**

Test Start: 2011.07.04 @ 11:33:00

GENERAL INFORMATION:

Formation: **KC "B, C"**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 13:48:30
Time Test Ended: 18:22:30

Test Type: **Conventional Bottom Hole**
Tester: **Cody Bloedorn**
Unit No: **38**

Interval: **2948.00 ft (KB) To 2986.00 ft (KB) (TVD)**
Total Depth: **2986.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **1754.00 ft (KB)**
1746.00 ft (CF)
KB to GR/CF: **8.00 ft**

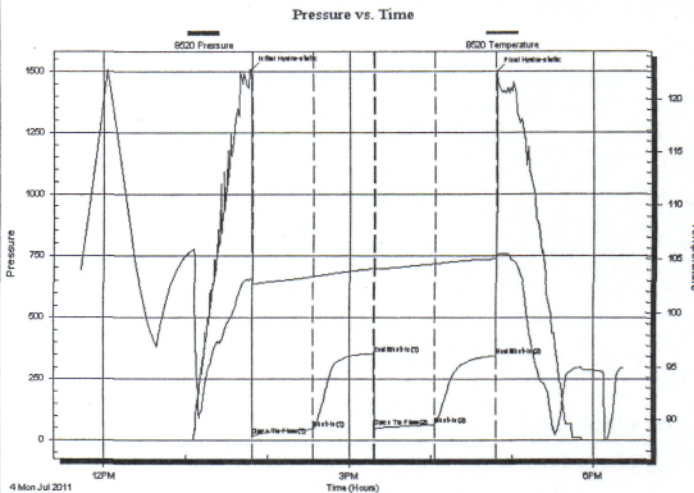
Serial #: 8520

Outside

Press@RunDepth: **63.69 psig @ 2952.00 ft (KB)**
Start Date: **2011.07.04** End Date: **2011.07.04**
Start Time: **11:43:00** End Time: **18:22:30**

Capacity: **8000.00 psig**
Last Calib.: **2011.07.04**
Time On Btrn: **2011.07.04 @ 13:48:00**
Time Off Btrn: **2011.07.04 @ 16:48:30**

TEST COMMENT: 45 - IF- 8" blow
45 - IS- No blow back
45 - FF- 3" Blow
45 - FS- No blow back



PRESSURE SUMMARY

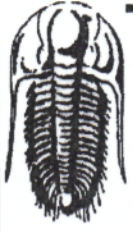
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1506.95	103.13	Initial Hydro-static
1	19.32	102.79	Open To Flow (1)
45	46.51	103.38	Shut-In(1)
90	354.94	104.08	End Shut-In(1)
90	56.65	103.97	Open To Flow (2)
135	63.69	104.53	Shut-In(2)
180	344.75	104.96	End Shut-In(2)
181	1498.36	105.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
59.00	95%M, 5%W	0.29
64.00	70%M, 20%O, 5%W, 5%G	0.88
0.00	180' 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

Flegler B #3
11-15-14 Russell, KS
Job Ticket: 43875 **DST#: 3**
Test Start: 2011.07.05 @ 02:09:00

GENERAL INFORMATION:

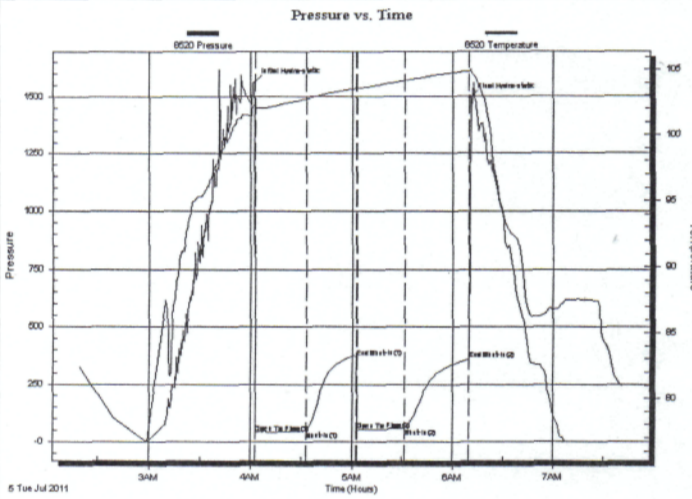
Formation: **KC "E-F"**
 Deviated: **No Whipstock:** **ft (KB)**
 Test Type: **Conventional Bottom Hole**
 Time Tool Opened: **04:02:20**
 Tester: **Cody Bloedorn**
 Time Test Ended: **07:42:00**
 Unit No: **38**
 Interval: **3008.00 ft (KB) To 3036.00 ft (KB) (TVD)**
 Reference Elevations: **1754.00 ft (KB)**
Total Depth: **3036.00 ft (KB) (TVD)**
1746.00 ft (CF)
Hole Diameter: **7.88 inches** **Hole Condition:** **Poor**
KB to GR/CF: **8.00 ft**

Serial #: 8520

Outside

Press@RunDepth: **59.67 psig @ 3013.00 ft (KB)**
 Capacity: **8000.00 psig**
 Start Date: **2011.07.05** **End Date:** **2011.07.05**
 Last Calib.: **2011.07.05**
 Start Time: **02:19:00** **End Time:** **07:42:00**
 Time On Btrm: **2011.07.05 @ 04:02:10**
 Time Off Btrm: **2011.07.05 @ 06:10:30**

TEST COMMENT: 30 - IF- 1/2" Blow
 30 - IS- No blow back
 30 - FF- 1/4" blow
 30 - FS- No blow back



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1561.07	102.30	Initial Hydro-static
1	39.17	101.69	Open To Flow (1)
31	49.17	102.77	Shut-In(1)
61	364.56	103.58	End Shut-In(1)
61	53.31	103.58	Open To Flow (2)
90	59.67	104.18	Shut-In(2)
128	358.26	104.88	End Shut-In(2)
129	1496.29	105.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	20%W, 80%M, Oil scum	0.87
31.00	100%M, Oil scum	0.43

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

Flegler B #3

8411 Preston Rd.
Ste. #800
Dallas, TX 75225
ATTN: Steve Murphy

11-15-14 Russell,KS

Job Ticket: 45176 DST#: 4
Test Start: 2011.07.05 @ 18:43:00

GENERAL INFORMATION:

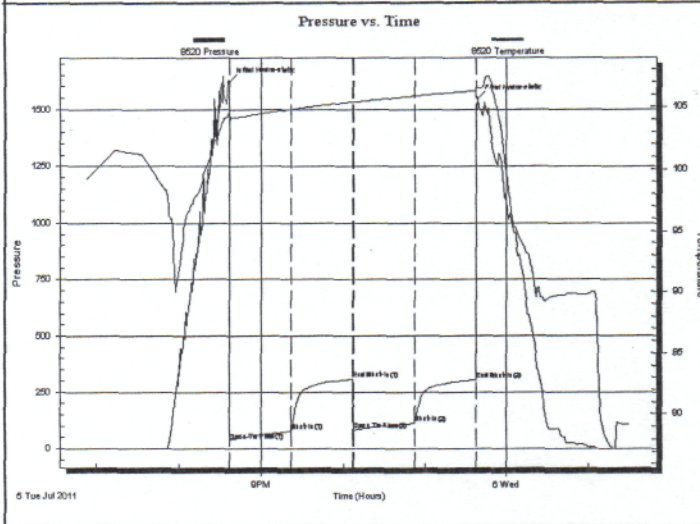
Formation: **KC "H-J"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:36:50
 Time Test Ended: 01:30:30
 Test Type: Conventional Bottom Hole
 Tester: Cody Bloedorn
 Unit No: 38
 Interval: **3090.00 ft (KB) To 3140.00 ft (KB) (TVD)**
 Reference Elevations: 1754.00 ft (KB)
 Total Depth: 3140.00 ft (KB) (TVD)
 1746.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 KB to GR/CF: 8.00 ft

Serial #: 8520

Outside

Press@RunDepth: 111.25 psig @ 3127.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.07.05 End Date: 2011.07.06 Last Calib.: 2011.07.06
 Start Time: 18:53:00 End Time: 01:30:30 Time On Btrm: 2011.07.05 @ 20:36:40
 Time Off Btrm: 2011.07.05 @ 23:38:30

TEST COMMENT: 45 - IF- 9" Blow
 45 - IS- No blow back
 45 - FF- 1/2" Blow
 45 - FSI- No blow back



PRESSURE SUMMARY

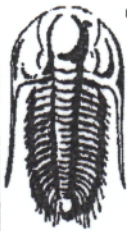
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1620.93	104.46	Initial Hydro-static
1	35.61	103.80	Open To Flow (1)
46	77.54	104.81	Shut-In(1)
91	307.63	105.42	End Shut-In(1)
91	82.71	105.39	Open To Flow (2)
136	111.25	105.86	Shut-In(2)
181	304.17	106.29	End Shut-In(2)
182	1546.45	106.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	20%M, 80%W Oil Scum	0.87
62.00	10%O, 70%W, 20%M	0.87
20.00	5%O, 25%W, 70%M	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

Flegler B #3

11-15-14 Russell,KS

Job Ticket: 45177

DST#: 5

Test Start: 2011.07.06 @ 10:43:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:12:30

Time Test Ended: 18:01:30

Interval: **3180.00 ft (KB) To 3202.00 ft (KB) (TVD)**

Total Depth: 3202.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole

Tester: Cody Bloedorn

Unit No: 38

Reference Elevations: 1754.00 ft (KB)

1746.00 ft (CF)

KB to GRV/CF: 8.00 ft

Serial #: 8520

Outside

Press@RunDepth: 199.68 psig @ 3184.00 ft (KB)

Start Date: 2011.07.06

End Date: 2011.07.06

Start Time: 10:53:00

End Time: 18:01:30

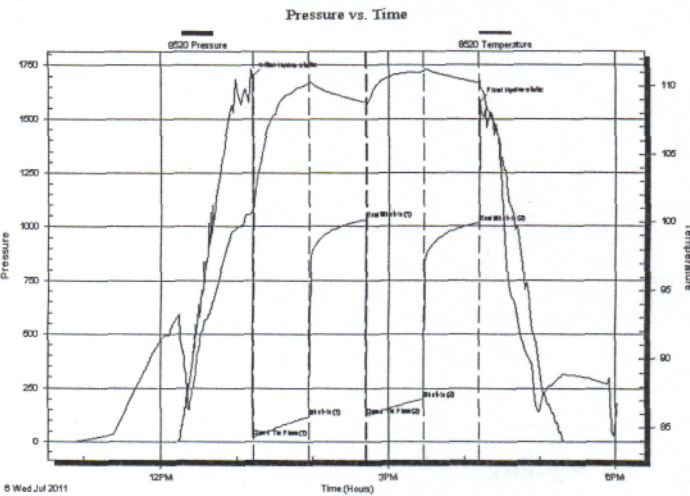
Capacity: 8000.00 psig

Last Calib.: 2011.07.06

Time On Btm: 2011.07.06 @ 13:12:00

Time Off Btm: 2011.07.06 @ 16:12:30

TEST COMMENT: 45 - IF- B.O.B. - 17 Min
45 - IS- No blow back
45 - FF- 6" Blow
45 - FS- No blow back



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1697.99	100.94	Initial Hydro-static
1	24.05	100.89	Open To Flow (1)
45	117.66	110.20	Shut-In(1)
90	1032.45	108.83	End Shut-In(1)
90	121.88	108.60	Open To Flow (2)
136	199.68	111.05	Shut-In(2)
180	1017.33	110.25	End Shut-In(2)
181	1580.67	109.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	5%O, 5%G, 90%M	0.87
310.00	5%G, 5%O, 80%W, 10%M	4.35
62.00	5%G, 5%O, 90%M	0.87

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. 4890

Date	6/30/11	Sec.	11	Twp.	15	Range	14	County	Russell	State	KS	On Location		Finish	3:30 AM
Lease	Flegler "B"			Well No.	3			Location Russell, Sto River, 1/2 S, 1/2 E, S into							
Contractor	Southwind Drilling Rig #3							Owner							
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.	433'			Charge To Mai Oil Operations							
Csg.	8 5/8" 23#			Depth	431'			Street							
Tbg. Size	Depth							City							
Tool	Depth							State							
Cement Left in Csg.	15'			Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.										
Meas Line	Displace 26 1/4 Bbks.			Cement Amount Ordered 225sx60/40 30%U 2%gel											

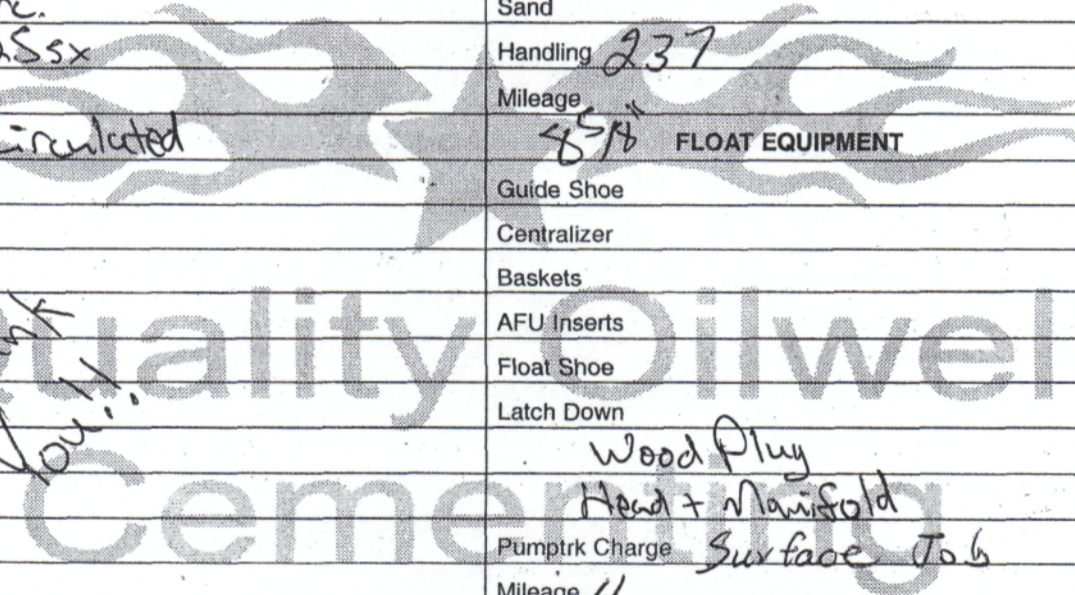
EQUIPMENT

Pumptrk	1	No.	Cement	Paul	Common	135
			Helper			
Bulktrk	14	No.	Driver	Sisco	Poz. Mix	90
			Driver			
Bulktrk	PV	No.	Driver	Rocky	Gel.	4
			Driver			

JOB SERVICES & REMARKS

Remarks:	Calcium	8
Rat Hole	Hulls	
Mouse Hole	Salt	
Centralizers	Flowseal	
Baskets	Kol-Seal	
D/V or Port Collar	Mud CLR 48	
Est. Circ.	CFL-117 or CD110 CAF 38	
Mix 225sx	Sand	
Displace	Handling	237
Cement Circulated	Mileage	45 1/2
	FLOAT EQUIPMENT	
	Guide Shoe	
	Centralizer	
	Baskets	
	AFU Inserts	
	Float Shoe	
	Latch Down	
	Wood Plug	
	Head + Manifold	
	Pumptrk Charge	Surface Job
	Mileage	11

Thank You!!



[Signature]
Signature

Tax	
Discount	
Total Charge	

ALLIED CEMENTING CO., LLC. 039747

Federal Tax I.D.# 20-5975804

P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Russell

DATE <u>7-7-11</u>	SEC. <u>11</u>	TWP. <u>13</u>	RANGE <u>14</u>	CALLED OUT	ON LOCATION	JOB START <u>11:30pm</u>	JOB FINISH <u>5:30pm</u>
LEASE <u>Hoylen</u>	WELL # <u>3</u>	LOCATION <u>Russell 85 1/2 E</u>			COUNTY <u>Russell</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR <u>Southwind</u>	OWNER
TYPE OF JOB <u>Long string</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>3265</u>
CASING SIZE <u>5 1/2</u>	DEPTH <u>3264</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>22.88</u>	
PERFS.	
DISPLACEMENT <u>79 bbls</u>	
EQUIPMENT	

PUMP TRUCK # <u>417</u>	CEMENTER <u>Bill</u>
	HELPER <u>Woody</u>
BULK TRUCK # <u>478</u>	DRIVER <u>RON</u>
BULK TRUCK # <u>110</u>	DRIVER <u>Nick</u>

CEMENT			
AMOUNT ORDERED	<u>1500 lb 6 3/4 18% Salt</u>		
	<u>2% Gel 1/4 # F10</u>	<u>1000 lb 6 3/4 10% Salt</u>	
	<u>2% Gel 1/4 # F10</u>	<u>1000 Gal WFR</u>	
COMMON	<u>150</u>	@ <u>16.25</u>	<u>2437.50</u>
POZMIX	<u>100</u>	@ <u>8.50</u>	<u>850.00</u>
GEL	<u>4</u>	@ <u>21.25</u>	<u>85.00</u>
CHLORIDE		@	
ASC		@	
	<u>Flo Seal 62#</u>	@ <u>2.70</u>	<u>167.40</u>
	<u>Salt 33</u>	@ <u>23.95</u>	<u>790.35</u>
		@	
	<u>WFR-2 1000gal</u>	@ <u>110</u>	<u>N-C</u>
		@	
		@	
		@	
HANDLING	<u>287</u>	@ <u>2.25</u>	<u>645.75</u>
MILEAGE	<u>.115/k/mile</u>		<u>252.56</u>
			TOTAL <u>5228.56</u>

REMARKS:

Pipe set 3664
Sheet 22.28
Insert 3241.00
Cement 1500 lb 6 3/4 18% Salt
Follow up 100 6 3/4 10% Salt
pump flow w/ 79 bbls of water
Last plug 1800# held
30 ft hole

CHARGE TO: Mai
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>2225.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>16</u>	@ <u>7.00</u>	<u>112.00</u>
MANIFOLD		@	
	<u>16</u>	@ <u>4.00</u>	<u>64.00</u>
		@	
			TOTAL <u>2401.00</u>

PLUG & FLOAT EQUIPMENT

<u>13 - Centralizer</u>	@ <u>34.00</u>	<u>442.00</u>
<u>1 - Basket</u>	@	<u>236.00</u>
<u>1 - Floor shoe</u>	@	<u>245.00</u>
<u>1 - Latch down VASS</u>	@	<u>194.00</u>

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

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

October 10, 2011

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

Re: ACO1
API 15-167-23726-00-00
Flegler 'B' 3
NW/4 Sec.11-15S-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