



KANSAS CORPORATION COMMISSION 1065659
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: _____



1065659

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

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

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

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

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

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

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

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

Estimated Production Per 24 Hours	Oil Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Mai Oil Operations, Inc.
Well Name	Flegler 'B' 4
Doc ID	1065659

Tops

Name	Top	Datum
Anhydrite	847	+1001
Tarkio Lm	2461	-613
Topeka	2736	-888
Heebner	2965	-1117
Toronto	2981	-1133
Lansing	3027	-1179
Base Kansas City	3234	-1386
Arbuckle	3278	-1430

JAMES C. MUSGROVE

Petroleum Geologist
P.O. Box 215
212 Main St.
Claflin, KS 67525

Office (620) 588-4250

Res. Claflin (620) 587-3444

Mail Oil Operations
Flegler 'B' #4
N/2-SE-SE-NW (200' FNL & 2310' FWL0
Section 11-15s-14w
Russell County, Kansas
Page No. 1

5 1/2" Production Casing Set

Contractor: Southwind Drilling Inc (Rig #3)
Commenced: September 1, 2011
Completed: September 8, 2011
Elevation: 1848' K.B.; 1846' D.F.; 1840' G.L.
Casing Program: Surface; 8 5/8" @ 439'
Production; 5 1/2" @ 3359'
Samples: Samples saved and examined 2200' to the Rotary Total Depth.
Drilling Time: One (1) foot drilling time recorded and kept 2200' to the Rotary Total Depth.
Measurements: All depths measured from the Kelly Bushing.
Drill Stem Tests: There were four (4) Drill Stem Tests ran by Trilobite Testing Co.
Electric Log: By Superior Well Services, Dual Induction Compensated Density/Neutron and Micro Log.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	847	+1001
Base Anhydrite	881	+967
Grand Haven	2392	-544
1 st Tarkio Sand	2403	-555
Dover	2416	-568
2 nd Tarkio Sand	2421	-573
Tarkio Lime	2461	-613
3 rd Tarkio Sand	2481	-633
Elmont	2527	-679
Topeka	2736	-888
Heebner	2965	-1117
Toronto	2981	-1133
Lansing	3027	-1179
Base Kansas City	3234	-1386
Arbuckle	3278	-1430
Rotary Total Depth	3360	-1512
Log Total Depth	3358	-1510

(All tops and zones corrected to Electric Log measurements).

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

1ST TARKIO SAND SECTION

- 2404-2411' Sand; gray, very fine grained, micaceous, scattered intergranular porosity, brown stain, show of free oil and no odor in fresh samples.
- 2421-2434' Sand; gray/tan, very fine grained, sub rounded, friable, fair intergranular porosity, fair stain and saturation, fair show of free oil and questionable odor in fresh samples.

Drill Stem Test #1 2398-2450'

Times: 45-45-45-45

Blow; Good

**Recovery: 283' gas in pipe
57' oil and gas cut mud
(10% gas, 20% oil, 70% mud)**

**Pressures: ISIP 347 psi
FSIP 287 psi
IFP 41-56 psi
FFP 69-73 psi
HSH 1177-1120 psi**

- 2481-2492' Sand; gray and grayish green, very fine grained, micaceous in part, sub rounded, friable, fair intergranular porosity, trace black and dark brown stain, trace of free oil and questionable odor in fresh samples.
- 2496-2511' Sand; as above.

TOPEKA SECTION

- 2736-2746' Limestone; gray, white, tan, slightly dolomitic, poor visible porosity, trace brown stain, trace of free oil and no odor in fresh samples.
- 2770-2779' Limestone; tan, gray, fossiliferous, chalky, fair porosity, brown and black stain, show of free oil and odor samples broken.
- 2844-2850' Limestone; gray, brown, tan, fossiliferous, fair porosity, questionable stain, no show of free oil and no odor.
- 2888-2902' Limestone; tan, fossiliferous, granular in part, chalky, fair brown stain and saturation, show of free oil and faint odor in fresh samples.
- 2908-2924' Limestone; as above, scattered porosity, trace stain, show of free oil and no odor in fresh samples.

TORONTO SECTION

- 3027-3040' Limestone; white, cream, gray, finely crystalline, chalky in part, fair pin point type porosity, brown and dark brown stain, show of free oil and questionable odor in fresh samples.

LANSING SECTION

- 3027-3040' Limestone; tan, fossiliferous, few oolitic, slightly cherty, light brown stain, weak show of free oil and questionable odor in fresh samples.
- 3050-3056' Limestone; white, gray, oolitic/fossiliferous, fair intercrystalline to fine vuggy porosity, dark brown to light brown stain, show of free oil and faint odor in fresh samples.
- 3068-3078' Limestone; cream, white, oomoldic, fair oomoldic porosity, fair stain, show of free oil and faint odor in fresh samples.

Drill Stem Test #2 3032-3080'

Times: 30-30-45-45

Blow; Weak

Recovery: 33' slightly oil and gas cut mud
(5% oil, 95% mud)

Pressures: ISIP 345 psi
 FSIP 343 psi
 IFP 39-50 psi
 FFP 52-54 psi
 HSH 1535-1452 psi

- 3106-3110' Limestone; gray, fossiliferous/oolitic, scattered porosity, brown and gray stain, show of free oil and questionable odor in fresh samples.
- 3116-3121' Limestone; gray, oolitic, chalky, poor stain, show of free oil and faint odor in fresh samples.
- 3128-3132' Limestone; oomoldic, poor to fair porosity, questionable stain, no show of free oil and no odor in fresh samples.

Drill Stem Test #3 3093-3136'

Times: 45-45-45-45

Blow; Strong

**Recovery: 1271' gas in pipe
 63' heavy oil and gas cut watery mud
 (40% gas, 30% oil, 10% water, 20% mud)
 20' oil and gas cut watery mud
 (10% gas, 20% oil, 2% water, 68% mud)
 63' oil and gas cut muddy water
 (10% gas, 40% oil, 50% mud)
 63' muddy water, scum of oil
 (80% water, 20% mud)**

**Pressures: ISIP 397 psi
 FSIP 372 psi
 IFP 35-69 psi
 FFP 82-108 psi
 HSH 1555-1510 psi**

- 3151-3168' Limestone; white, gray, chalky, oolitic in part, plus gray chert, no shows.
- 3171-3181' Limestone; white, gray, fossiliferous/oolitic in part, slightly cherty, gray and black stain, no show of free oil and faint odor in fresh samples.
- 3191-3201' Limestone; white, oolitic, chalky, trace stain, trace of free oil and faint odor in fresh samples.
- 3216-3222' Limestone; cream, white, oolitic, oomoldic, fair and good brown to dark brown stain, show of free oil and faint odor in fresh samples.

Drill Stem Test #4 3186-3250'

Times: 45-45-45-60

Blow; Strong

**Recovery: 2110' gas in pipe
 157' gassy oil
 189' heavy oil and gas cut mud
 (50% gas, 35% oil, 15% mud)
 63' oil and gas cut mud
 (40% gas, 20% oil, 40% mud)**

**Pressures: ISIP 369 psi
 FSIP 364 psi
 IFP 55-116 psi
 FFP 139-181 psi
 HSH 1656-1563 psi**

- 3244-3252' Limestone; gray, cream, finely crystalline, fossiliferous, chalky in part, poor visible porosity, no shows.

ARBUCKLE SECTION

3278-3288' Dolomite; white, medium and coarse crystalline, fair intercrystalline porosity, brown and dark brown stain and saturation, show of free oil and fair to good odor in fresh samples.

Drill Stem Test #5 3253-3290' (log measurements 3251-3288)

Times: 30-30-30-30

Blow; Strong

**Recovery: 157' gas in pipe
1134' gassy oil
287' mud cut gassy oil
(3% gas, 65% oil, 5% mud)
63' oil and gas cut mud
(20% gas, 10% oil, 70% mud)**

**Pressures: ISIP 1002 psi
FSIP 1005 psi
IFP 100-352 psi
FFP 375-557 psi
HSH 1674-1610 psi**

3290-3310' Dolomite; white, light gray, fine and medium crystalline, few intercrystalline type porosity, brown and dark brown stain, show of free oil and fair odor in fresh samples.

3310-3330' Dolomite; white and light gray, fine and medium crystalline, scattered intercrystalline porosity, light brown and gray stain, show of free oil and fair odor in fresh samples.

3330-3363' Dolomite; white, finely crystalline, few medium crystalline, poorly developed porosity, trace black stain, no show of free oil and faint and fair odor in fresh samples.

**Rotary Total Depth 3360 (-1512)
Log Total Depth 3358 (-1510)**

Recommendations

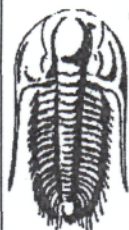
5 1/2" production casing was set and cemented.

Respectfully submitted;

James C. Musgrove & Joshua R. Austin

James C. Musgrove and
Joshua R. Austin,
Petroleum Geologists





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations Inc
8411 Preton Rd
ste 800 Dallas Tx 75225+5520
ATTN: Allen Bangert

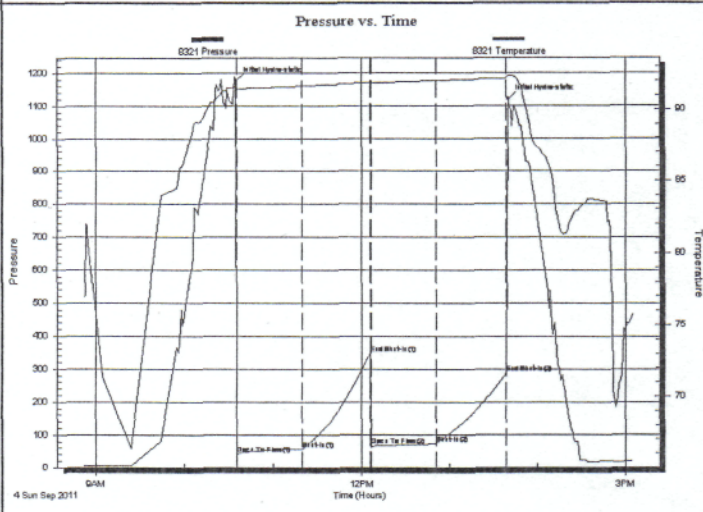
Flegler B #4
11-15s-14w-Russell
Job Ticket: 039748 **DST#: 1**
Test Start: 2011.09.04 @ 08:52:12

GENERAL INFORMATION:

Formation: **Tarkio**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:35:12
Time Test Ended: 15:05:12
Interval: **2398.00 ft (KB) To 2450.00 ft (KB) (TVD)**
Total Depth: 2450.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Jeff Brown
Unit No: 44
Reference Elevations: 1847.00 ft (KB)
1840.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8321 **Inside**
Press@RunDepth: 72.75 psig @ 2437.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.09.04 End Date: 2011.09.04 Last Calib.: 2011.09.04
Start Time: 08:52:13 End Time: 15:05:12 Time On Btm: 2011.09.04 @ 10:34:42
Time Off Btm:

TEST COMMENT: IFF-Good blow BOB in 23 min
ISI-Dead no blow back
FFP-Good blow BOB in 10 min
FSI-Dead no blow back



PRESSURE SUMMARY

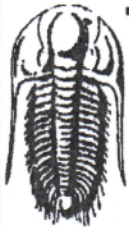
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1176.84	91.67	Initial Hydro-static
1	41.47	91.45	Open To Flow (1)
45	56.02	91.65	Shut-In(1)
91	347.10	91.90	End Shut-In(1)
92	68.57	91.82	Open To Flow (2)
136	72.75	92.00	Shut-In(2)
184	286.98	92.18	End Shut-In(2)
186	1119.91	92.36	Initial Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
31.00	VSOCM 3%O97%M	0.15
57.00	OCGM 10%G20%O70%M	0.28
0.00	283 GIP	0.00

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mai Oil Operations Inc
 8411 Preton Rd
 ste 800 Dallas Tx 75225+5520
 ATTN: Allen Bangert

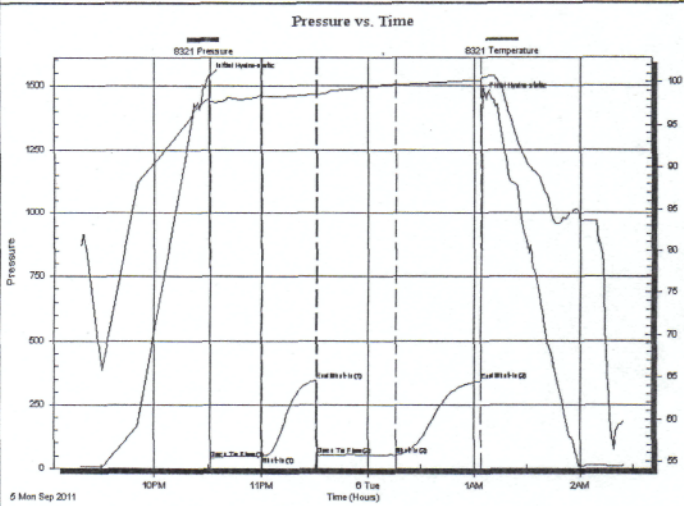
Flegler B #4
11-15s-14w-Russell
 Job Ticket: 039749 **DST#: 2**
 Test Start: 2011.09.05 @ 21:18:42

GENERAL INFORMATION:

Formation: **LKC-A&B**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole
 Time Tool Opened: 22:31:12 Tester: Jeff Brown
 Time Test Ended: 02:25:12 Unit No: 44
 Interval: **3032.00 ft (KB) To 3080.00 ft (KB) (TVD)** Reference Elevations: 1847.00 ft (KB)
 Total Depth: 3080.00 ft (KB) (TVD) 1840.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GRVCF: 7.00 ft

Serial #: 8321 Inside
 Press@RunDepth: 53.98 psig @ 3067.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.09.05 End Date: 2011.09.06 Last Calib.: 2011.09.06
 Start Time: 21:18:43 End Time: 02:25:12 Time On Btm: 2011.09.05 @ 22:30:42
 Time Off Btm: 2011.09.06 @ 01:04:42

TEST COMMENT: IFP-Weak blow built to 2 in
 IS-Dead no blow back
 FFP-Weak blow built to 1 1/2 in
 FSI-Dead no blow back



PRESSURE SUMMARY

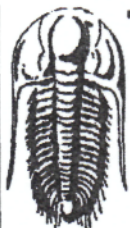
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1534.58	97.96	Initial Hydro-static
1	38.86	97.69	Open To Flow (1)
30	49.51	98.31	Shut-In(1)
60	344.90	98.53	End Shut-In(1)
61	52.13	98.41	Open To Flow (2)
105	53.98	99.65	Shut-In(2)
153	343.26	100.19	End Shut-In(2)
154	1451.88	100.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
33.00	SOCM 5% O95%M	0.46

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mai Oil Operations Inc
 8411 Preton Rd
 ste 800 Dallas Tx 75225+5520
 ATTN: Allen Bangert

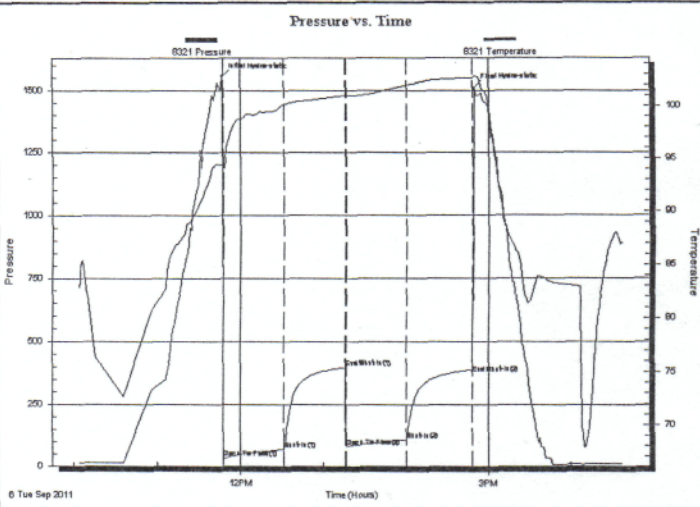
Flegler B #4
11-15s-14w-Russell
 Job Ticket: 039750 **DST#: 3**
 Test Start: 2011.09.06 @ 10:03:57

GENERAL INFORMATION:

Formation: **Lansing-D-G**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole
 Time Tool Opened: 11:47:27 Tester: Jeff Brown
 Time Test Ended: 16:37:57 Unit No: 44
 Interval: **3093.00 ft (KB) To 3136.00 ft (KB) (TVD)** Reference Elevations: 1847.00 ft (KB)
 Total Depth: 3136.00 ft (KB) (TVD) 1840.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 7.00 ft

Serial #: 8321 Inside
 Press@RunDepth: 108.21 psig @ 3128.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.09.06 End Date: 2011.09.06 Last Calib.: 2011.09.06
 Start Time: 10:03:58 End Time: 16:37:57 Time On Btmr: 2011.09.06 @ 11:46:57
 Time Off Btmr: 2011.09.06 @ 14:49:27

TEST COMMENT: IFF-Strong blow BOB in 3 min
 ISI-Weak blow back built to 2 in
 FFF-Strong blow BOB in 3 1/2 min
 FSI-Weak blow back built to 3 in



PRESSURE SUMMARY

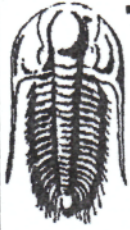
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1555.36	94.39	Initial Hydro-static
1	34.91	94.08	Open To Flow (1)
45	69.47	100.17	Shut-In(1)
89	397.15	101.02	End Shut-In(1)
90	81.92	100.96	Open To Flow (2)
134	108.21	101.98	Shut-In(2)
182	371.83	102.69	End Shut-In(2)
183	1510.32	102.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	MW with a scum of oil 20%M80%W	0.88
63.00	OOGMW 10%O10%G30%M50%W	0.88
20.00	OOGWM 20%O10%G2%W68%M	0.28
63.00	HOCGWM 30%O40%G10%W20%M	0.88
0.00	1271 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations Inc
8411 Preton Rd
ste 800 Dallas Tx 75225+5520
ATTN: Allen Bangert

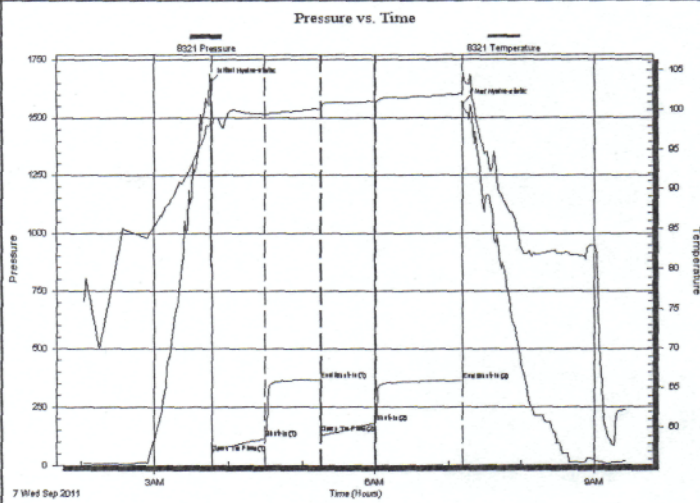
Flegler B #4
11-15s-14w-Russell
Job Ticket: 44626 **DST#: 4**
Test Start: 2011.09.07 @ 02:02:31

GENERAL INFORMATION:

Formation: **LKC-I-J**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 03:46:31
Time Test Ended: 09:26:31
Test Type: **Conventional Bottom Hole**
Tester: **Jeff Brown**
Unit No: **44**
Interval: **3186.00 ft (KB) To 3250.00 ft (KB) (TVD)**
Reference Elevations: **1847.00 ft (KB)**
Total Depth: **3250.00 ft (KB) (TVD)**
1840.00 ft (CF)
Hole Diameter: **7.88 inches** Hole Condition: **Good**
KB to GR/CF: **7.00 ft**

Serial #: 8321 **Inside**
Press@RunDepth: **181.45 psig @ 3223.00 ft (KB)**
Capacity: **8000.00 psig**
Start Date: **2011.09.07** End Date: **2011.09.07**
Last Calib.: **2011.09.07**
Start Time: **02:02:32** End Time: **09:26:31**
Time On Btm: **2011.09.07 @ 03:46:01**
Time Off Btm: **2011.09.07 @ 07:12:31**

TEST COMMENT: IFF-Strong blow BOB in 4 min
ISI-Fair blow back built to 8 in
FFP-Strong blow BOB in 4 min
FSI-Fair blow back built to 10 in



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1655.51	98.45	Initial Hydro-static
1	54.86	98.24	Open To Flow (1)
44	116.27	99.49	Shut-In(1)
90	368.84	100.23	End Shut-In(1)
90	139.39	100.11	Open To Flow (2)
135	181.45	101.14	Shut-In(2)
206	364.11	102.06	End Shut-In(2)
207	1563.40	104.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	OCGM 20%O40%G40%M	0.88
189.00	HOCGM 35%O50%G15%M	2.65
157.00	Gassy Oil 10%G90%O	2.20
0.00	2110 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations Inc
8411 Preton Rd
ste 800 Dallas Tx 75225+5520
ATTN: Allen Bangert

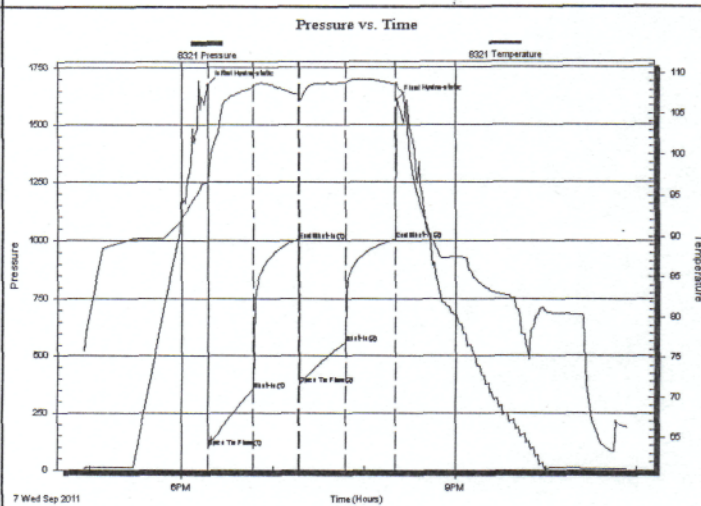
Flegler B #4
11-15s-14w-Russell
Job Ticket: 44627 **DST#: 5**
Test Start: 2011.09.07 @ 16:56:19

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 18:17:19
Time Test Ended: 22:54:49
Interval: **3253.00 ft (KB) To 3290.00 ft (KB) (TVD)**
Total Depth: **3290.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Jeff Brown**
Unit No: **44**
Reference Elevations: **1847.00 ft (KB)**
1840.00 ft (CF)
KB to GR/CF: **7.00 ft**

Serial #: 8321 **Inside**
Press@RunDepth: **556.87 psig @ 3258.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2011.09.07** End Date: **2011.09.07** Last Calib.: **2011.09.07**
Start Time: **16:56:20** End Time: **22:53:49** Time On Btrn: **2011.09.07 @ 18:16:49**
Time Off Btrn: **2011.09.07 @ 20:21:19**

TEST COMMENT: IFF-Strong blow BOB in 2 min
ISI-Fair blow back built to 4 in
FFP-Strong blow BOB in 1 1/2 min
FSI-Weak surface blow back built to 1/2 in



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1673.60	96.70	Initial Hydro-static
1	99.83	96.49	Open To Flow (1)
30	351.78	108.39	Shut-In(1)
60	1002.05	107.46	End Shut-In(1)
60	375.39	107.10	Open To Flow (2)
91	556.87	108.92	Shut-In(2)
124	1005.02	108.72	End Shut-In(2)
125	1609.97	108.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	OCGM 10%O20%G70%M	0.88
283.00	MCOG 5%M30%G65%O	3.97
1134.00	Gassy Oil 40%G60%O	15.91
0.00	157 GIP	0.00

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. 5288

Date	9/2/11	Sec.	11	Twp.	15	Range	14	County	Russell	State	KS	On Location		Finish	1:15 AM
Lease	Flegler "B"			Well No.	4			Location	Russell St to Walters Rd 1/2 E, S into						
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	Surface							Charge To	Mai Oil Operations, Inc.						
Hole Size	12 1/4"			T.D.	439'			Depth	439'						
Csg.	8 5/8"			Depth	439'										
Tbg. Size				Depth											
Tool				Depth											
Cement Left in Csg.	15'			Shoe Joint											
Meas Line				Displace	27 Bbls.			Cement Amount Ordered	225 sx 60/40 3% 42% gel						

EQUIPMENT

Pumptrk	9	No.	Cementer	Paul	Helper		Common	135
Bulktrk	8	No.	Driver	Matt	Driver		Poz. Mix	90
Bulktrk	PV	No.	Driver	Michael	Driver		Gel.	4
							Calcium	9

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
Est. Circ.	Sand
Mix 225 sx	Handling 238
Displace	Mileage 8 5/8"
Cement Circulated	FLOAT EQUIPMENT
	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	Head & Manifold
	Wood Plug
	Pumptrk Charge Surface
	Mileage 11

Thank You!!

X Signature	Jay Shrin	Tax	
		Discount	
		Total Charge	

ALLIED CEMENTING CO., LLC. 035808

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Russell, KS

DATE <u>9-8-11</u>	SEC. <u>11</u>	TWP. <u>15</u>	RANGE <u>14</u>	CALLED OUT	ON LOCATION	JOB START <u>7:00p</u>	JOB FINISH <u>8:00p</u>
LEASE <u>Flegler</u>	WELL # <u>4</u>	LOCATION <u>Russell + Hwy 281 South</u>			COUNTY <u>Russell</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			<u>to Walters Rd 1/8 E Sink</u>				

CONTRACTOR Southwind #3

TYPE OF JOB Production String

HOLE SIZE <u>7 7/8</u>	T.D. <u>3360</u>
CASING SIZE <u>5 1/2</u>	DEPTH <u>3354'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>21.70'</u>
CEMENT LEFT IN CSG. <u>21.70'</u>	
PERFS.	
DISPLACEMENT <u>81.31 661</u>	

EQUIPMENT

PUMP TRUCK # <u>409</u>	CEMENTER <u>Heath, Shane</u>
	HELPER <u>Todd</u>
BULK TRUCK # <u>481</u>	DRIVER <u>Mark</u>
BULK TRUCK # <u>378</u>	DRIVER <u>Nick</u>

REMARKS:

Rat Hole 3000s Insert @ 3332.30
Mixed 1000 Gal WFR-2 Mixed
12000s 6 3/4 18 2 Salt failed in
with 1000s 5/8 10 2 Salt
Washed pump & Lines Released Plug
Displaced 81.31 661
Loaded Plug @ 1800 psi
Float Held!

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

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

OWNER _____

CEMENT

AMOUNT ORDERED <u>150 6 3/4 18 2 Salt</u>		
<u>29.661 1/4 # F/o Seal</u>		
<u>100 6 3/4 10 2 Salt 296 = 1</u>		
<u>1/4 # Fl. 1000 Gal WFR-2</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>Salt 33</u>	@ <u>23.95</u>	<u>790.35</u>
<u>F/o Seal 62#</u>	@ <u>2.70</u>	<u>167.40</u>
<u>WFR-2 1000 Gal</u>	@ <u>1.10</u>	<u>N-C</u>
HANDLING <u>287</u>	@ <u>2.25</u>	<u>645.75</u>
MILEAGE <u>11.5/k/mile</u> (7)		<u>220.99</u>
TOTAL		<u>5196.99</u>

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>2225.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>14</u>	@ <u>7.00</u>	<u>98.00</u>
MANIFOLD	@	
<u>Lum 14</u>	@ <u>4.00</u>	<u>56.00</u>
TOTAL		<u>2379.00</u>

PLUG & FLOAT EQUIPMENT

<u>1-Basket</u>	@	<u>236.00</u>
<u>10-Turbolizers</u>	@ <u>60.00</u>	<u>600.00</u>
<u>Float Shoe</u>	@	<u>245.00</u>
<u>Catchdown</u>	@	<u>194.00</u>

Thanks!

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



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

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

Sam Brownback, Governor

October 20, 2011

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

Re: ACO1
API 15-167-23738-00-00
Flegler 'B' 4
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