



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: _____



1064131

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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Mai Oil Operations, Inc.
Well Name	Flegler 'B' 2
Doc ID	1064131

Tops

Name	Top	Datum
Anhydrite	798	+999
Tarkio Lime	2411	-614
Topeka	2687	-890
Heebner	2916	-1119
Toronto	2933	-1136
Lansing	2979	-1182
Base Kansas City	3181	-1384
Arbuckle	3232	-1435

JAMES C. MUSGROVE

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

Office (620) 588-4250

Res. Claflin (620) 587-3444

Mai Oil Operations Inc.
Flegler 'B' #2
N/2-NE-SE-SW (1370' FNL & 230' FWL)
Section 11-15s-14w
Russell County, Kansas
Page 1

5 1/2" Production Casing Set

Contractor: Southwind Drilling Company (Rig #3)
Commenced: June 1, 2011
Completed: June 7, 2011
Elevation: 1797' K.B; 1795 D.F; 1789' G.L.
Casing program: Surface; 8 5/8" @ 406'
Production; 5 1/2" @ 3309'
Sample: Samples saved and examined 2200' to the Rotary Total Depth.
Drilling time: One (1) foot drilling time recorded and kept 2200 ft to the Rotary Total Depth.
Measurements: All depths measured from the Kelly Bushing.
Drill Stem Tests: There were five (5) Drill Stem Tests ran by Trilobite Testing.
Electric Log: By Superior Well Services; Dual Induction, Compensated Density/Neutron Log, Micro Log.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	798	+999
Base Anhydrite	832	+965
Grand Haven	2341	-544
1 st Tarkio Sand	2353	-556
2 nd Tarkio Sand	2371	-574
Tarkio Lime	2411	-614
3 rd Tarkio Sand	2431	-634
Elmont	2477	-680
Topeka	2687	-890
Heebner	2916	-1119
Toronto	2933	-1136
Lansing	2979	-1182
Muncie Creek	3118	-1321
Base Kansas City	3181	-1384
Arbuckle	3232	-1435
Rotary Total Depth	3310	-1513
Log Total Depth	3310	-1513

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

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

TARKIO SECTION

2353-2360' Sand; gray, very fine grained, micaceous, friable in part, scattered intercrystalline porosity, micaceous, calcareous, shaley in part. fair stain, show of free oil and questionable odor in fresh samples.

2370-2384' Sand; gray, tan, very fine grained, sub rounded, well sorted, friable, fair porosity, brown stain and saturation, show of free oil and odor in fresh samples, show gas bubbles.

Drill Stem Test #1 **2348-2400'**

Times: 45-45-45-45

Blow: Weak to good

**Recovery: 265 gas in pipe
45' oil and gas cut mud
(10% gas, 15% oil, 75% mud)**

**Pressures: ISIP 446 psi
FSIP 396 psi
IFP 24-30 psi
FFP 31-37 psi
HSH 1091-1057 psi**

2431-2437' Sand; gray, grayish green, very fine grained, shaley, questionable stain, no show of free oil and no odor in fresh samples.

2438-2460' Sand; gray, tan, very fine grained, micaceous, fair intergranular porosity, sub rounded, fair sorting, friable, good stain and saturation, show of free oil and fair odor in fresh samples.

TOPEKA SECTION

2687-2692' Limestone; tan, dolomitic, scattered porosity, golden brown stain and saturation, show of free oil and odor samples broken.

2728-2740' Limestone; tan, gray, fossiliferous, chalky, fair porosity, brown stain, weak show of free oil, plus gray fossiliferous chert.

2850-2856' Limestone; tan, fossiliferous, chalky, fair brown stain and saturation, show of free oil and fair odor in fresh samples.

2858-2874' Limestone; gray, white, finely oolitic, chalky in part, fair stain and saturation, show of free oil and no odor in fresh samples.

2880-2890' Limestone; tan, gray, fossiliferous/oolitic, sparry calcite cement, plus gray chert.

TORONTO SECTION

2933-2944' Limestone; white, gray to cream, finely crystalline, chalky in part, scattered pinpoint few with intercrystalline type porosity, golden brown stain, show of free oil and odor samples broken.

LANSING SECTION

2979-2990' Limestone; tan, oolitic/fossiliferous, few cherty, sparry calcite cement, brown golden brown stain, trace of free oil and faint odor fresh samples.

3001-3007' Limestone; cream, white, fossiliferous, few oolitic scattered pin point and fine intercrystalline porosity, brown and dark brown, trace of free oil and faint odor.

3021-3027' Limestone; white/cream, oomoldic, chalky, poor visible porosity, no shows.

Drill Stem Test #2 **2980-3028'**

Times: 30-30-30-30

Blow: Weak

Recovery: 5' mud, show of oil

Pressures: ISIP 146 psi
 FSIP 76 psi
 IFP 22-23 psi
 FFP 23-24 psi
 HSH 1458-1402 psi

3030-3046' Limestone; gray, chalky, dense.

3056-3060' Limestone; gray, finely crystalline. Fossiliferous, few oolitic, fair pin point and vuggy type porosity, brown stain, trace of free oil and questionable odor.

3061-3072' Limestone; gray, cream, oolitic, chalky, trace brown and dark brown stain, show of free oil and questionable odor in fresh samples.

3076-3081' Limestone; cream oomoldic, scattered oomoldic porosity, plus white oolitic chert.

Drill Stem Test #3 **3035-3080'**

Times: 45-45-45-45

Blow: Weak

**Recovery: 245' gas in pipe
 40' oil and gas cut mud
 (10% gas, 15% oil, 75% mud)
 60' slightly oil cut muddy water
 (10% oil, 50% water, 40% mud)**

Pressures: ISIP 330 psi
 FSIP 303 psi
 IFP 23-47 psi
 FFP 51-70 psi
 HSH 1478-1432 psi

3100-3114' Limestone; gray, cream, finely crystalline, few fossiliferous, poor visible porosity, plus gray and black chert.

3121-3130' Limestone; gray, white, slightly cherty, fossiliferous, trace stain, no show of free oil and questionable odor.

3141-3150' Limestone; cream, white, finely crystalline, oolitic, fair porosity, fair brown and golden brown stain, show of free oil and fair odor in fresh samples.

3165-3170' Limestone; cream, tan, oomoldic, fair to good oomoldic porosity, good dark brown to brown stain and saturation, fair to good show of free oil and show of gas bubbles and good odor in fresh samples.

Drill Stem Test #4 3133-3200'

Times: 45-45-45-45

Blow: Strong

**Recovery: 175' gas in pipe
 2' clean oil
 70' muddy gassy oil
 (10% gas, 40% mud, 50% oil)
 62' oil and gas cut mud
 (10% gas, 10% oil, 80% mud)
 62' oil cut muddy water
 (5% oil, 35% water, 60% mud)**

**Pressures: ISIP 343 psi
 FSIP 322 psi
 IFP 25-73 psi
 FFP 76-112 psi
 HSH 1511-1477 psi**

ARBUCKLE SECTION

3239-3245' Dolomite; gray, white, medium and coarse crystalline, good intercrystalline porosity, good brown stain and saturation, good show of free oil and strong odor in fresh samples.

Drill Stem Test #5 3198-3245'

Times: 30-30-30-30

Blow: Strong

**Recovery: 125' gas in pipe
 434' heavy oil and gas cut muddy water
 (25% gas, 50% oil, 20% water, 5% mud)
 186' very heavy oil & gas cut muddy water
 (10% gas, 84% oil, 3% water, 3% mud)
 990' heavy oil and gas cut water
 (15% gas, 55% oil, 30% water)
 372' water**

**Pressures: ISIP 1080 psi
 FSIP 1088 psi
 IFP 187-626 psi
 FFP 640-861 psi
 HSH 1531-1508 psi**

3245-3260' Dolomite; as above, good stain and saturation, good show of free oil and good odor in fresh samples.

3266-3270' Dolomite; as above, plus white chert, trace stain, show of free oil and odor in fresh samples.

- 3270-3280' Dolomite; gray, tan, medium and coarse crystalline, good intercrystalline porosity, good stain and saturation, show of free oil and odor, plus white and gray chert.
- 3286-3296' Dolomite; as above, few glauconitic, trace stain, show of free oil.
- 3290-3310' Dolomite; white, gray, medium and coarse crystalline, fair to good intercrystalline and vuggy porosity, fair stain and saturation, fair show of free oil and fair to good odor in fresh samples.

Rotary Total Depth 3310
Log Total Depth 3310

Recommendations:

5 1/2" production casing was set and cemented to further test the following zones:

- 1. Arbuckle 3235-3238 perforate
- 2. Lansing 3164-3169
- 3. Lansing 3141-3150
- 4. Lansing 3066-3071
- 5. Lansing 3054-3057
- 6. Lansing 3004-3008
- 7. Toronto 2936-2942
- 8. Topeka 2866-2876
- 9. Topeka 2721-2728
- 10. Topeka 2688-2691

All Tarkio Sands should be tested before abandonment.

Respectfully submitted;

James C. Musgrove
James C Musgrove,
Petroleum Geologist



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. 4952

Date	5-1-11	Sec.	11	Twp.	15	Range	14	County	Russell	State	Ks	On Location		Finish	12:00 AM	
Lease	Flegler "B"			Well No.	2			Location	Russell, K - 5 to Walter's Rd, SE 1/4							
Contractor	Southwind #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							Hole Size	12 1/4"		T.D.	406'		Charge To	Main oil operations	
Csg.	8 3/8"		Depth	406'		Street										
Tbg. Size			Depth			City	State									
Tool			Depth			The above was done to satisfaction and supervision of owner agent or contractor.										
Cement Left in Csg.	15'		Shoe Joint	15'		Cement Amount Ordered	225 SX 60/40 3% CC 2% Gel									
Meas Line			Displace	25 1/2 BLS												

EQUIPMENT

Pumptrk	1	No.	Cementer	Cisco		Common	135	
Bulktrk	8	No.	Driver	Coty		Poz. Mix	90	
Bulktrk	pin.	No.	Driver	Rick		Gel.	4	

JOB SERVICES & REMARKS

Remarks:	Cement did Circulate.		Calcium	8	
Rat Hole			Hulls		
Mouse Hole			Salt		
Centralizers			Flowseal		
Baskets			Kol-Seal		
D/V or Port Collar			Mud CLR 48		
			CFL-117 or CD110 CAF 38		
			Sand		
			Handling	237	
			Mileage		

FLOAT EQUIPMENT

			Guide Shoe		
			Centralizer		
			Baskets		
			AFU Inserts		
			Float Shoe		
			Latch Down		
			1- wooden plug		
			Pumptrk Charge	Surface	
			Mileage	9	

X Signature *Jay Davis*

Tax
Discount
Total Charge

ALLIED CEMENTING CO., LLC. 035879

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Russell

DATE <u>6/8/11</u>	SEC. <u>11</u>	TWP. <u>15S</u>	RANGE <u>14W</u>	CALLED OUT	ON LOCATION	JOB START <u>11:00 AM</u>	JOB FINISH <u>12:00 PM</u>
LEASE <u>Fletcher</u>	WELL # <u>2</u>	LOCATION <u>Russell + 281 75</u>			COUNTY <u>Russell</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			<u>1/4 E Sinstu</u>				

CONTRACTOR Southern Drilling Rig #3 OWNER _____
 TYPE OF JOB Production String
 HOLE SIZE 7 7/8 T.D. 3310'
 CASING SIZE 5 7/8 DEPTH 3309
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT 20.45
 CEMENT LEFT IN CSG. 20.45
 PERFS. _____
 DISPLACEMENT FO, 24 661

CEMENT			
AMOUNT ORDERED	<u>150 60% 18% Salt</u>		
	<u>22 Gal 1/4 # Flt / 100 60% 10% Salt</u>		
	<u>22 Gal 1/4 # Flt</u>		
	<u>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>5</u>	@ <u>21.25</u>	<u>106.25</u>
CHLORIDE		@	
ASC		@	
Salt	<u>33</u>	@ <u>23.95</u>	<u>790.35</u>
Flt Sol	<u>62*</u>	@ <u>2.70</u>	<u>167.40</u>
		@	
WFR-2	<u>1000 Gal</u>	@ <u>1.10</u>	<u>N-C</u>
		@	
		@	
		@	
HANDLING	<u>28*</u>	@ <u>2.25</u>	<u>648.00</u>
MILEAGE	<u>111/5k/mile</u>		<u>221.76</u>
			TOTAL <u>5221.26</u>

EQUIPMENT

PUMP TRUCK CEMENTER Shane
 # 409 HELPER Heath
 BULK TRUCK
 # 37F DRIVER Ron
 BULK TRUCK
 # 410 DRIVER Mark

REMARKS:

Rat Hole 30 sks
Insert 3288.55 Mixed
230 sks down casing + washed
pump + Cines. Displaced
FO, 24 661
Control Plug @ 1700 psi
Float Held

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

Thanks!

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

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>CVR 14</u>	@ <u>4.00</u>	<u>56.00</u>
		@	
			TOTAL <u>2379.00</u>

PLUG & FLOAT EQUIPMENT

<u>14 Turbolizers</u>	@ <u>60.00</u>	<u>840.00</u>
<u>1 - Basket</u>	@ <u>236.00</u>	<u>236.00</u>
<u>Float Plug</u>	@	<u>245.00</u>
<u>Catch down</u>	@	<u>194.00</u>

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

September 27, 2011

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

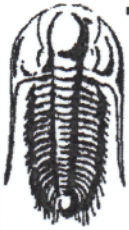
Re: ACO1
API 15-167-23720-00-00
Flegler 'B' 2
NW/4 Sec.11-15S-14W
Russell County, Kansas

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations Inc
8411 Preston Rd
Ste 800
Dallas TX 75225-5520
ATTN: Kurt Mai

Flegler B#2
11-15-14 Russell, KS
Job Ticket: 43475 **DST#: 1**
Test Start: 2011.06.04 @ 04:35:00

GENERAL INFORMATION:

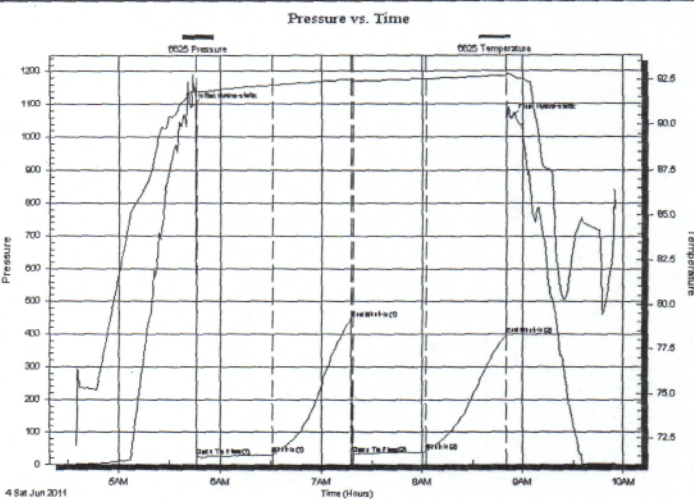
Formation: **Tarkio**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 05:45:55
Time Test Ended: 09:55:24
Interval: **2348.00 ft (KB) To 2400.00 ft (KB) (TVD)**
Total Depth: **2400.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole**
Tester: **Ray Schwager**
Unit No: **42**
Reference Elevations: **1797.00 ft (KB)**
1789.00 ft (CF)
KB to GR/CF: **8.00 ft**

Serial #: 6625

Inside

Press@RunDepth: **39.49 psig @ 2364.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2011.06.04** End Date: **2011.06.04** Last Calib.: **2011.06.04**
Start Time: **04:35:00** End Time: **09:55:24** Time On Btm: **2011.06.04 @ 05:42:55**
Time Off Btm: **2011.06.04 @ 08:52:54**

TEST COMMENT: 45-IFP-w k to a gd bl 1"to 8"bl
45-ISIP-no bl
45-FFP-w k bl 1/2"to 3"bl
45-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1091.20	91.82	Initial Hydro-static
3	24.94	91.88	Open To Flow (1)
48	30.86	92.22	Shut-In(1)
95	446.61	92.52	End Shut-In(1)
96	31.67	92.44	Open To Flow (2)
139	39.49	92.54	Shut-In(2)
187	396.88	92.72	End Shut-In(2)
190	1057.17	92.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	265'GIP	0.00
45.00	O&GCM 10%G15%O75%M	0.63

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 75225-5520
 ATTN: Kurt Mai

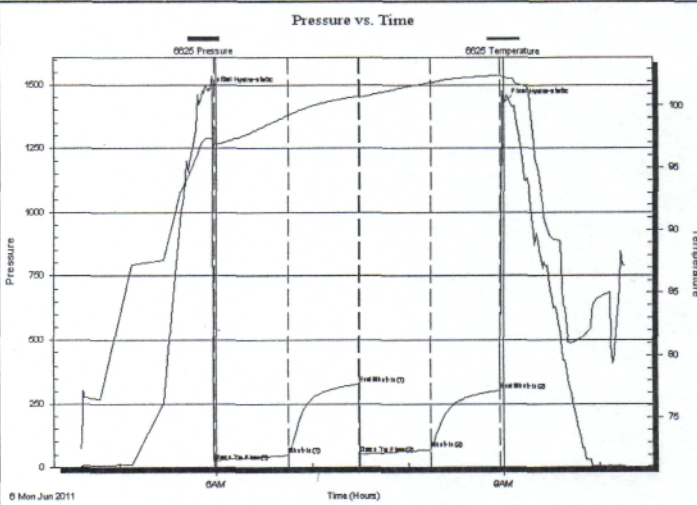
Flegler B#2
11-15-14 Russell,KS
 Job Ticket: 43602 **DST#: 3**
 Test Start: 2011.06.06 @ 04:35:48

GENERAL INFORMATION:

Formation: **LKC**
 Deviated: **No Whipstock:** **ft (KB)**
 Time Tool Opened: 05:58:43
 Time Test Ended: 10:16:42
 Interval: **3035.00 ft (KB) To 3080.00 ft (KB) (TVD)**
 Total Depth: **3080.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole**
 Tester: **Ray Schwager**
 Unit No: **42**
 Reference Elevations: **1797.00 ft (KB)**
 1789.00 ft (CF)
 KB to GR/CF: **8.00 ft**

Serial #: 6625 Inside
 Press@RunDepth: **70.12 psig @ 3044.00 ft (KB)**
 Start Date: **2011.06.06** End Date: **2011.06.06**
 Start Time: **04:35:48** End Time: **10:16:42**
 Capacity: **8000.00 psig**
 Last Calib.: **2011.06.06**
 Time On Btm: **2011.06.06 @ 05:55:13**
 Time Off Btm: **2011.06.06 @ 09:00:12**

TEST COMMENT: 45-IFP-w k to a fr bl 1/2"to 6"bl
 45-ISIP-no bl
 45-FFP-w k bl 1/2"to 3"bl
 45-FSIP-no bl



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1478.98	97.33	Initial Hydro-static
4	23.62	96.94	Open To Flow (1)
50	47.68	99.19	Shut-In(1)
94	330.06	100.78	End Shut-In(1)
95	51.67	100.74	Open To Flow (2)
139	70.12	101.88	Shut-In(2)
182	303.43	102.47	End Shut-In(2)
185	1432.29	102.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	245'GIP	0.00
40.00	O&GCM 10%O15%O75%M	0.56
60.00	SOCMV 2%O40%M58%W	0.84

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations Inc

Flegler B#2

8411 Preston Rd
Ste 800
Dallas TX 75225-5520
ATTN: Kurt Mai

11-15-14 Russell,KS

Job Ticket: 43604 **DST#: 5**

Test Start: 2011.06.07 @ 09:20:52

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:50:22

Time Test Ended: 15:35:22

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Interval: **3198.00 ft (KB) To 3245.00 ft (KB) (TVD)**

Total Depth: 3245.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1797.00 ft (KB)

1789.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6625

Inside

Press@RunDepth: 626.68 psig @ 3210.00 ft (KB)

Start Date: 2011.06.07

End Date:

2011.06.07

Start Time: 09:20:57

End Time:

15:35:21

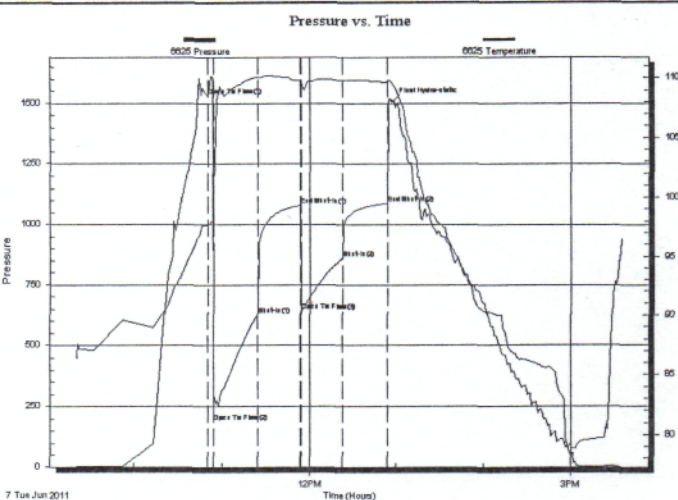
Capacity: 8000.00 psig

Last Calib.: 2011.06.07

Time On Btm

Time Off Btm 2011.06.07 @ 12:56:52

TEST COMMENT: 30-IFP-strg bl in 1 min
30-ISIP-no bl
30-FFP-strg bl in 2 min
30-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1531.18	97.59	Open To Flow (1)
4	187.12	97.62	Open To Flow (2)
34	626.68	110.07	Shut-In(1)
64	1080.64	109.73	End Shut-In(1)
64	640.13	109.60	Open To Flow (3)
93	861.59	109.78	Shut-In(2)
124	1088.41	109.60	End Shut-In(2)
127	1508.93	109.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	125'GIP	0.00
435.00	GMMCO 25%G5%M20%W50%O	6.10
186.00	GMMCO 10%G3%M30%W84%O	2.61
990.00	GWCO 15%G30%W55%O	13.89
372.00	Water	5.22

Gas Rates

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