

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009

ORIGINAL

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

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

5/4/12

OPERATOR: License # 5259
Name: Mai Oil Operations, Inc.
Address 1: P.O. Box 33
Address 2: _____
City: Russell State: Ks. Zip: 67665 + _____
Contact Person: Allen Bangert
Phone: (785) 483-1676
CONTRACTOR: License # 33350
Name: Southwind Drilling, Inc.
Wellsite Geologist: Kitt Noah
Purchaser: NCRA

KCC
MAY 04 2011
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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 #: _____

03/03/2011 03/10/2011 03/10/2011
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 167-23693-0000
Spot Description: 20' South & 60' West
SW SW NE NW Sec. 11 Twp. 15 S. R. 14 East West
1125 4134 Feet from North / South Line of Section
1375 3995 Feet from East / West Line of Section
GPS-KCC-DIG
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Russell
Lease Name: Fiegler "B" Well #: 1
Field Name: Trapp
Producing Formation: Lansing-Kansas City
Elevation: Ground: 1740' Kelly Bushing: 1748'
Total Depth: 3261' Plug Back Total Depth: 3235'
Amount of Surface Pipe Set and Cemented at: 388 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: 65000 ppm Fluid volume: 80 bbls
Dewatering method used: Hauled Off
Location of fluid disposal if hauled offsite: _____
Operator Name: Mai Oil Operations, Inc.
Lease Name: Nuss License #: 5259
Quarter SE Sec. 33 Twp. 15 S. R. 14 East West
County: Russell Permit #: D-28763

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.
Signature: Allen Bangert
Title: Prod. Supt. Date: 05/02/2011

KCC Office Use ONLY
 Letter of Confidentiality Received
Date: 5/4/11 - 5/4/12
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: NJ Date: 5/10/11
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Operator Name: Mai Oil Operations, Inc. Lease Name: Flegler "B" Well #: 1
 Sec. 11 Twp. 15 S. R. 14 East West County: Russell

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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite	752'	+996
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Topeka	2641'	-893
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner	2868'	-1120
List All E. Logs Run:		Toronto	2884'	-1136
CNFD, DIL, Micro		Lansing	2931'	-1183
		Base Kansas City	3134'	-1386
		Arbuckle	3182'	-1434

CASING RECORD <input checked="" 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
Surface	12 1/4"	8 5/8"	20#	388'	60-40 POZ	200	2% Gel, 3% CC
Production	7 7/8"	5 1/2"	14#	3257'	60-40 POZ		

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
3	3144-48', 3116-20', 3099-3103'	1500 Gal. 20% NE HCL, 3000 Gal. 20% CRANE	
		HCL	

TUBING RECORD:	Size: <u>2 7/8"</u>	Set At: <u>3230</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>04/21/2011</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls. <u>75</u>	Gas Mcf	Water Bbls. <u>0</u>	Gas-Oil Ratio

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" 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: <u>3099-3148' O. A.</u>
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Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

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QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. BOX 32 Russell, KS 67665

No. 4765

Date	3-3-11	Sec.	11	Twp.	15	Range	14	County	Russell	State	Ks	On Location		Finish	1:30 AM
Lease	Flegler "B"			Well No.	#1			Location	Russell, Ks - S to Walter's Rd, 1/4 to 1/2 E						
Contractor	Southwind #3							Owner	S/S						
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.	388'			Charge To	Main oil operations							
Csg.	8 5/8"		Depth	388'			Street	MAY 04 2011							
Tbg. Size			Depth				City	CONFIDENTIAL							
Tool			Depth				State								
Cement Left in Csg.	15'		Shoe Joint	15'			The above was done to satisfaction and supervision of owner agent or contractor.								
Meas Line			Displace	23 1/2 BW			Cement Amount Ordered	200 sx 60/40 200 3% CL							

EQUIPMENT

Pumptrk	1	No.	Cementor	Neate	2% Gel
			Helper		Common
Bulktrk	3	No.	Driver	Doug	Poz. Mix
			Driver		80
Bulktrk	p.m.	No.	Driver	Rick	Gel.
			Driver		4

JOB SERVICES & REMARKS

Remarks:	Cement did Circulate.	Calcium	7
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	

FLOAT EQUIPMENT

Handling	211
Mileage	
Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
	1- wooden plug
Pumptrk Charge	Surface
Mileage	9

X Signature *Jay Know*

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Tax
Discount
Total Charge

ALLIED CEMENTING CO., LLC. 036431

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

KCC
MAY 04 2011

SERVICE POINT:
Russell KS

DATE 3-10-2011	SEC. 11	TWP. 15 S	RANGE 14 W	CONTRACT NO.	ON LOCATION	JOB START 2:00 PM	JOB FINISH 2:15 PM
LEASE FLEGLER	WELL # B-1	LOCATION Russell KS, 7 S 1/2 E 1/2 S			COUNTY Russell	STATE KANSAS	
OLD OR NEW (Circle one)				1/4 N INTO			

CONTRACTOR SOUTHWARD DRG. Rig #3
 TYPE OF JOB PRODUCTION STRING
 HOLE SIZE 7 7/8 T.D. 3260'
 CASING SIZE 5 1/2 New DEPTH 3257'
 TUBING SIZE 14# CSG DEPTH
 DRILL PIPE 8 5/8 SURFACE DEPTH @ 388'
 TOOL LATCH DOWN Plug Assy DEPTH @ 3237'
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 20"
 CEMENT LEFT IN CSG 20
 PERFS.
 DISPLACEMENT 79/BBL

OWNER
 CEMENT
 AMOUNT ORDERED 275 SX 69/40 18% SALT
23 GEL 1/4# F10-Seal PER SX
1,000 GAL WFR-2 mud flush

EQUIPMENT
 PUMP TRUCK CEMENTER Glenn - Shane
 # 409 HELPER WOODY
 BULK TRUCK
 # 482 DRIVER Greg GB.
 BULK TRUCK
 # DRIVER

COMMON @
 POZMIX @
 GEL @
 CHLORIDE @
 ASC @
 HANDLING @
 MILEAGE @

REMARKS:

Ran 78 New JTS of 14# 5 1/2 CSG.
 Set @ 3257. Circulate line on bottom.
 Mix flush, mix 275 sx cement, clear-line
 Release LATCH DN. Plug & Displace BBL
 H2O LAND Plug @ #, Release
 Pressure & LATCH DOWN Plug (Held)
 30 sx @ hole

THANKS

CHARGE TO: MAI OIL OPERATIONS INC.
 STREET
 CITY STATE ZIP

SERVICE

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

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PLUG & FLOAT EQUIPMENT

(B) Float Shoe
 (R) 13 TURBO-CENTRALIZER @
 (R) 1-BASKET @
1-LATCH DOWN Plug Assy @

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Oper. inc.
8411 Preston Rd
STE 800
Dallas, TX 75225+5520
ATTN: Kitt Noah

Flegler "B" #1
11-15-14 Russell,KS
Job Ticket: 041558 DST#: 1
Test Start: 2011.03.05 @ 06:58:05

GENERAL INFORMATION:

Formation: **Tarkio 1st & 2nd**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 08:35:20
Time Test Ended: 13:07:39

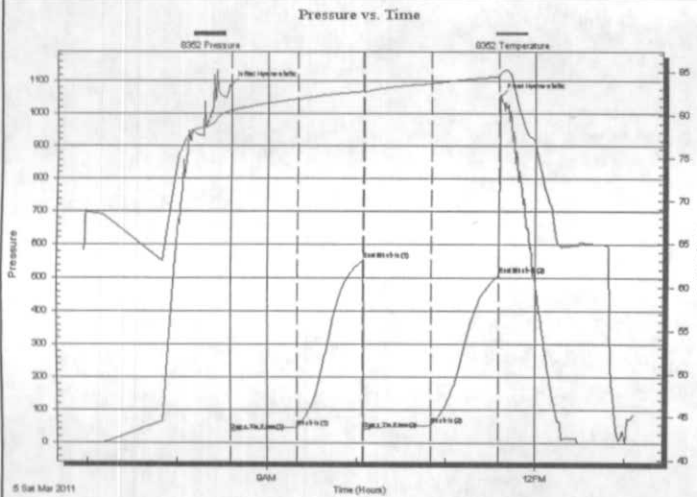
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Test Type: **Conventional Bottom Hole**
Tester: **Andy Carreira**
Unit No: **39**
Reference Elevations: **1748.00 ft (KB)**
1740.00 ft (CF)
KB to GR/CF: **8.00 ft**

Interval: **2301.00 ft (KB) To 2354.00 ft (KB) (TVD)**
Total Depth: **2354.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Serial #: 8352 Outside
Press@RunDepth: **51.90 psig @ 2304.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2011.03.05** End Date: **2011.03.05** Last Calib.: **2011.03.05**
Start Time: **06:58:05** End Time: **13:07:40** Time On Btm: **2011.03.05 @ 08:34:30**
Time Off Btm: **2011.03.05 @ 11:36:09**

TEST COMMENT: IF: BOB, 42 min.
IS: No Return
FF: BOB, 10min
FS: No Return



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1085.25	80.56	Initial Hydro-static
1	33.11	80.17	Open To Flow (1)
46	44.65	81.87	Shut-In(1)
90	552.62	82.79	End Shut-In(1)
91	37.62	82.70	Open To Flow (2)
136	51.90	83.72	Shut-In(2)
181	508.49	84.53	End Shut-In(2)
182	1050.21	84.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCGM g=5% o=15% m=80%	0.30
30.00	HOCGM g=35% o=30% m=35%	0.41
0.00	GIP=210ft	0.00

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (MMcfd)

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Oper. Inc.
8411 Preston Rd
STE 800
Dallas, TX 75225+5520
ATTN: Kitt Noah

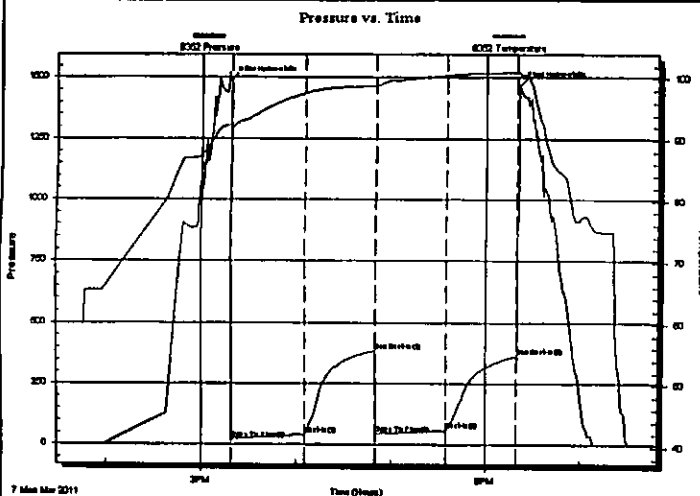
Flegler "B" #1
11-15-14 Russell,KS
Job Ticket: 041560 **DST#: 3**
Test Start: 2011.03.07 @ 13:46:05

GENERAL INFORMATION:

Formation: **LKC"E-G"**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 15:19:00
 Time Test Ended: 19:31:59
 Interval: **2998.00 ft (KB) To 3034.00 ft (KB) (TVD)**
 Total Depth: **3034.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole**
 Tester: **Andy Carreira**
 Unit No: **39**
 Reference Elevations: **1748.00 ft (KB)**
1740.00 ft (CF)
 KB to GR/CF: **8.00 ft**

Serial #: 8352 **Outside**
 Press@RunDepth: **58.16 psig @ 2999.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2011.03.07** End Date: **2011.03.07** Last Calib.: **2011.03.07**
 Start Time: **13:46:05** End Time: **19:31:59** Time On Btm: **2011.03.07 @ 15:17:50**
 Time Off Btm: **2011.03.07 @ 18:21:20**

TEST COMMENT: IF: BOB, 17 min.
 IS: No Return
 FF: 7 inch blow
 FS: No Return



PRESSURE SUMMARY

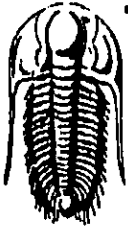
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1489.04	92.49	Initial Hydro-static
2	21.59	91.90	Open To Flow (1)
48	41.44	97.60	Shut-in(1)
92	384.61	98.85	End Shut-in(1)
93	45.38	98.72	Open To Flow (2)
138	58.16	100.49	Shut-in(2)
182	363.28	100.97	End Shut-in(2)
184	1467.89	100.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOCMV g=10% o=10% r=30% w=50% 0.84	
30.00	HOOGVM g=5% o=25% w=20% r=50% 0.42	
0.00	GIP= 150ft	0.00

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (MMcfd)



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mai Oil Oper. inc.
8411 Preston Rd
STE 800
Dallas, TX 75225+5520
ATTN: Kitt Noah

Flegler "B" #1
11-15-14 Russell, KS
Job Ticket: 041561 DST#: 4
Test Start: 2011.03.08 @ 09:47:05

GENERAL INFORMATION:

Formation: **LKC"J-L"**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 11:15:40
Time Test Ended: 16:55:20

Test Type: **Conventional Bottom Hole**
Tester: **Andy Carreira**
Unit No: **39**

Interval: **3088.00 ft (KB) To 3153.00 ft (KB) (TVD)**
Total Depth: **3153.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1748.00 ft (KB)**
1740.00 ft (CF)
KB to GR/CF: **8.00 ft**

Serial #: 8352

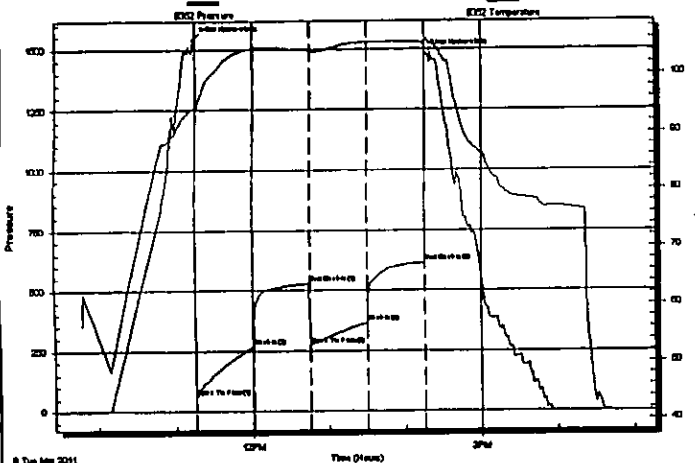
Outside

Press@RunDepth: **362.66 psig @ 3092.00 ft (KB)**
Start Date: **2011.03.08** End Date: **2011.03.08**
Start Time: **09:47:05** End Time: **16:55:20**

Capacity: **8000.00 psig**
Last Calib.: **2011.03.08**
Time On Btrt **2011.03.08 @ 11:14:10**
Time Off Btrt **2011.03.08 @ 14:15:29**

TEST COMMENT: IF: BOB, 2 min.
IS: Return blow, building to 6 inches
FF: BOB, 1 min.
FS: Return blow, BOB, 8 min.

Pressure vs. Time



PRESSURE SUMMARY

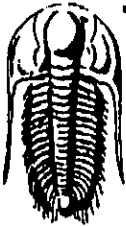
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1538.10	93.94	Initial Hydro-static
2	59.26	93.71	Open To Flow (1)
47	267.77	104.36	Shut-In(1)
91	526.71	104.04	End Shut-In(1)
92	273.49	103.88	Open To Flow (2)
137	362.66	105.32	Shut-In(2)
181	614.40	105.21	End Shut-In(2)
182	1476.87	105.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GOCMV g=5% o=5% m=20% w=70%	1.68
660.00	GWOMO w=5% m=5% g=40% o=50%	9.26
60.00	HOCGM g=10% o=30% m=60%	0.84
0.00	GIP=1860ft	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Oper. inc.
8411 Preston Rd
STE 800
Dallas, TX 75225+5520
ATTN: Kitt Noah

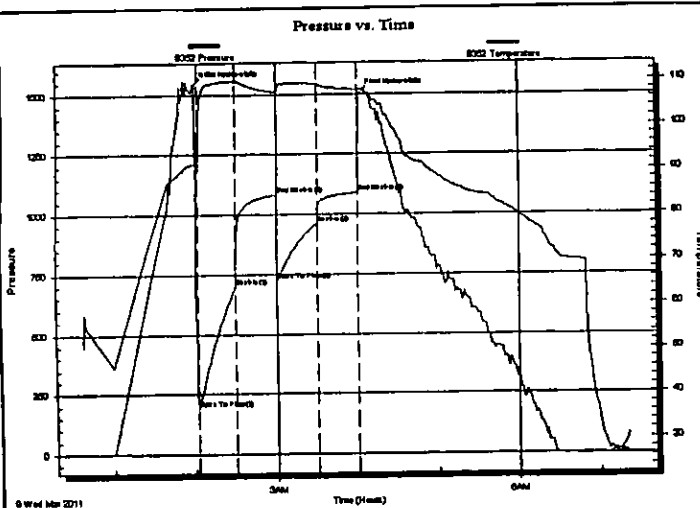
Flegler "B" #1
11-15-14 Russell,KS
Job Ticket: 041562 DST#: 5
Test Start: 2011.03.09 @ 00:38:05

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 02:01:50
Time Test Ended: 07:21:09
Test Type: **Conventional Bottom Hole**
Tester: **Andy Carreira**
Unit No: **39**
Interval: **3152.00 ft (KB) To 3196.00 ft (KB) (TVD)**
Reference Elevations: **1748.00 ft (KB)**
Total Depth: **3196.00 ft (KB) (TVD)**
KB to GR/CF: **1740.00 ft (CF)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
KB to GR/CF: **8.00 ft**

Serial #: 8352 **Outside**
Press@RunDepth: **961.35 psig @ 3156.00 ft (KB)**
Capacity: **8000.00 psig**
Start Date: **2011.03.09** End Date: **2011.03.09**
Last Calib.: **2011.03.09**
Start Time: **00:38:05** End Time: **07:21:10**
Time On Btm: **2011.03.09 @ 01:59:20**
Time Off Btm: **2011.03.09 @ 04:01:20**

TEST COMMENT: IF: BOB, 1 min.
IS: No Return
FF: BOB, 1 min.
FS: No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1540.84	91.20	Initial Hydro-static
3	189.96	94.81	Open To Flow (1)
31	699.08	109.66	Shut-In(1)
61	1080.84	107.26	End Shut-In(1)
62	724.36	107.29	Open To Flow (2)
91	961.35	109.11	Shut-In(2)
121	1088.22	107.81	End Shut-In(2)
122	1505.32	107.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
340.00	MW m=5% w=95%	4.77
1400.00	GOCMW o=10% g=20% m=20% w=50%	19.64
140.00	GOCMW o=10% g=20% w=30% m=30%	1.96
120.00	GMVO g=10% m=15% w=20% o=55%	1.68

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcfd)