

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

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

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) 483-2169
 CONTRACTOR: License # 33350
 Name: Southwind Drilling, Inc.
 Wellsite Geologist: Kitt Noah
 Purchaser: NCRA

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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 #: _____

03/21/2011	03/27/2011	03/27/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 167-23698-0000
 Spot Description: 70' North & 25' West
 NW SE NW SW Sec. 34 Twp. 14 S. R. 14 East West
1,935 Feet from North / South Line of Section
750 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Russell
 Lease Name: Louie Well #: 7
 Field Name: Hall-Gurney

Producing Formation: Arbuckle
 Elevation: Ground: 1721' Kelly Bushing: 1729'
 Total Depth: 3240' Plug Back Total Depth: 3203'
 Amount of Surface Pipe Set and Cemented at: 419 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: 56000 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: Louie License #: 5259
 Quarter SW Sec. 34 Twp. 14 S. R. 14 East West
 County: Russell Permit #: E-24559

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 RECEIVED
 Confidential Release Date: _____ MAY 04 2011
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
 ALT I II III Approved by: NO Date: 5/10/11
 KCC WICHITA

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Operator Name: Mai oil Operations, Inc. Lease Name: Louie Well #: 7
 Sec. 34 Twp. 14 S. R. 14 East West County: Russell

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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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite	728'	+1001
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Topeka	2618'	-889
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner	2852'	-1123
List All E. Logs Run:		Toronto	2868'	-1139
CNFD, DIL, Micro		Lansing	2912'	-1183
		Base Kansas City	3116'	-1387
		Arbuckle	3160'	-1431

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#	419'	60-40 POZ	225	2% Gel, 3% CC
Production	7 7/8"	5 1/2"	14#	3235'	60-40 POZ	275	

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 checked="" type="checkbox"/> Plug Off Zone	3174.5-3176.5	60-40 POZ	10	

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
4	3159-3166'		

TUBING RECORD:	Size: <u>2 7/8"</u>	Set At: <u>3199'</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>04/22/2011</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>45</u>	Gas Mcf	Water Bbls. <u>0</u>	Gas-Oil Ratio Gravity

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>	PRODUCTION INTERVAL: <u>3159-66' O.A.</u>
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Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

MAY 04 2011
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ALLIED CEMENTING CO., LLC. 036454

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

KCC

SERVICE POINT:

Russell Ks.

MAY 04 2011

DATE <u>3-27-2011</u>	SEC. <u>34</u>	TWP. <u>14</u>	RANGE <u>14</u>	CALLED OUT CONFIDENTIAL	ON LOCATION	JOB START <u>10:30 PM</u>	JOB FINISH <u>11:00 PM</u>
LEASE <u>Louie</u>	WELL # <u>7</u>	LOCATION <u>Russell Ks 2 1/4 S 1 W 1 N 1/4 E 1/4 N</u>			COUNTY <u>Russell</u>	STATE <u>KS.</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR SOUTHWIND DRILLING, Rig #3
 TYPE OF JOB PRODUCTION STRING
 HOLE SIZE 7 7/8 T.D. 3240
 CASING SIZE 5 1/2 used DEPTH 3235
 TUBING SIZE #CSG. DEPTH
 DRILL PIPE DEPTH
 TOOL LATCH DOWN PLUG DEPTH ASSY @ 3213
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 22'
 CEMENT LEFT IN CSG. 22'
 PERFS.

OWNER

CEMENT
 AMOUNT ORDERED 275 SK 60/40 18% SALT
2% GEL 1/4" FB SEAL-SK
1,000 GAL WFR-2 MUD FLUSH

DISPLACEMENT 77 1/2 BBL

EQUIPMENT

COMMON	<u>165</u>	@ <u>16.25</u>	<u>2681.25</u>
POZMIX	<u>110</u>	@ <u>8.50</u>	<u>935.00</u>
GEL	<u>5</u>	@ <u>21.25</u>	<u>106.25</u>
CHLORIDE		@	
ASC		@	
Salt	<u>47</u>	@ <u>23.95</u>	<u>1125.65</u>
Flo Seal	<u>68</u>	@ <u>2.70</u>	<u>183.60</u>
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>325</u>	@ <u>2.25</u>	<u>731.25</u>
MILEAGE	<u>111/56/mile</u>		<u>357.50</u>

PUMP TRUCK CEMENTER Glenn - Shane
 # 398 HELPER WOODY
 BULK TRUCK
 # 481 DRIVER TODD
 BULK TRUCK
 # DRIVER

TOTAL 6120.50

REMARKS:

RAN @ 2 TOTAL JTS, SET @ 3235
CIRCULATE ON BOTTOM,
Pumped 275 SK 60/40, 18% SALT, 2% GEL 1/4" FB SEAL
Clear-Line, Release Plug & Displace 77 1/2 BBL
H2O, LAND Plug @ 9500 # Release
PRESSURE & LATCH DN. PLUG (HELD)
30 SK @ Rate

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>2225.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>20</u>	@ <u>7.00</u>	<u>140.00</u>
MANIFOLD		@	
LM	<u>20</u>	@ <u>4.00</u>	<u>80.00</u>

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TOTAL 2445.00

CHARGE TO: MAI OIL OPERATIONS
 STREET _____
 CITY _____ STATE _____ ZIP _____

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 PLUG & FLOAT EQUIPMENT

Float-Shoe			<u>245.00</u>
Latch Down Plug Assy		@	<u>194.00</u>
Res 14-TURBO Cementers		@ <u>60.00</u>	<u>840.00</u>
Res 1-BASKET		@	<u>236.00</u>

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

QUALITY OILWELL CEMENTING, INC.

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

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

No. 4794

MAY 04 2011
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Date	3-21-11	Sec.	5	Twp.	19	Range	9	County	Russell	State	Kansas	On Location		Finish	6:10PM
Lease	Lauic	Well No.	7			Location Russell 85 1W 1W Emb									
Contractor	Soutbound Drilling Rig							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 Main Oil Operations							
Hole Size	12 1/4	T.D.	419												
Csg.	8 1/2 206	Depth													
Tbg. Size		Depth													
Tool		Depth													
Cement Left in Csg.	10-15'	Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.												
Meas Line		Displace	25 3/4												
Cement Amount Ordered 225 1040 361 2664															

EQUIPMENT

Pumptrk	9	No.	Cementer	Steve	Common	135
			Helper			
Bulktrk	10	No.	Driver	Crang	Poz. Mix	90
			Driver			
Bulktrk		No.	Driver	Love	Gel.	4
			Driver			

JOB SERVICES & REMARKS

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

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	Weld Plug
	Pumptrk Charge Surface
	Mileage 9

X Signature *Joy Krier*

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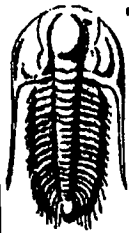
Tax
Discount
Total Charge

KCC

MAY 04 2011

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DRILL STEM TEST REPORT



TRILOBITE TESTING, INC

Mai Oil Operations Inc,
 8411 Preston Rd 800
 Dallas TX, 75225
 ATTN: Kitt Noah

Louie #7
 34-14-14 Russel, KS
 Job Ticket: 41925 DST#: 1
 Test Start: 2011.03.23 @ 19:05:08

GENERAL INFORMATION:

Formation: **Tarkio**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 20:30:41
 Time Test Ended: 00:51:10

Test Type: **Conventional Bottom Hole**
 Tester: **Cody/Brett**
 Unit No: **47**

Interval: **2292.00 ft (KB) To 2336.00 ft (KB) (TVD)**
 Total Depth: **2336.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1729.00 ft (KB)**
1721.00 ft (CF)
 KB to GR/CF: **8.00 ft**

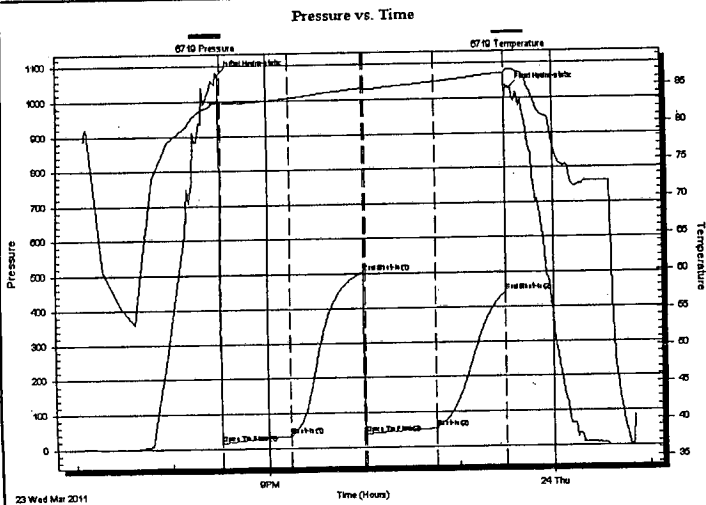
Serial #: 6719

Inside

Press@RunDepth: **51.44 psig @ 2298.00 ft (KB)**
 Start Date: **2011.03.23** End Date: **2011.03.24**
 Start Time: **19:05:13** End Time: **00:51:11**

Capacity: **8000.00 psig**
 Last Calib.: **2011.03.24**
 Time On Btm: **2011.03.23 @ 20:29:41**
 Time Off Btm: **2011.03.23 @ 23:32:11**

TEST COMMENT: IF-Weak Surface Blow, 2 1/4"
 IS-No Blow Back
 FF-Weak surface blow 3/4"
 FSI-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1074.74	83.05	Initial Hydro-static
1	14.41	82.92	Open To Flow (1)
45	34.31	83.52	Shut-In(1)
90	503.57	84.73	End Shut-In(1)
92	38.02	84.61	Open To Flow (2)
136	51.44	85.52	Shut-In(2)
180	442.24	86.55	End Shut-In(2)
183	1029.32	87.01	Final Hydro-static

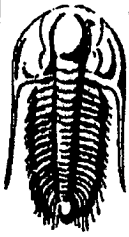
Recovery

Length (ft)	Description	Volume (bbl)
20.00	VSOCM 5%O 95%M	0.10
55.00	WCM 25%W 75%M	0.40

Gas Rates

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

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations Inc,
8411 Preston Rd 800
Dallas TX, 75225
ATTN: Kitt Noah

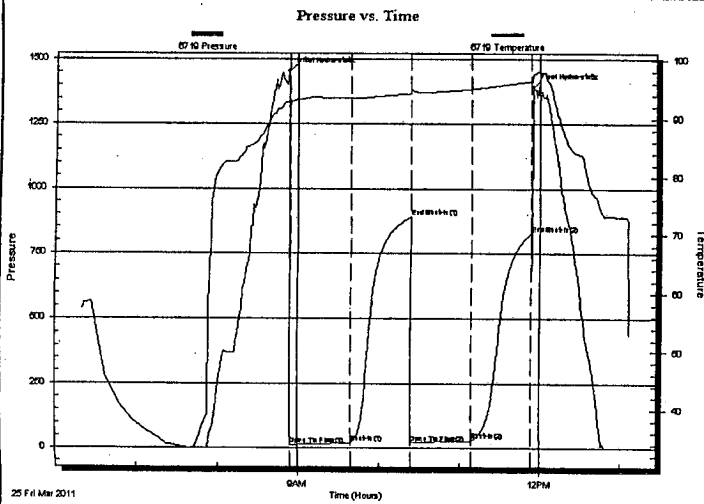
Louie #7
34-14-14 Russel,KS
Job Ticket: 42802 DST#: 2
Test Start: 2011.03.25 @ 06:20:32

GENERAL INFORMATION:

Formation: **LKC "B-C"**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: **08:54:02**
Time Test Ended: **13:06:55**
Interval: **2926.00 ft (KB) To 2954.00 ft (KB) (TVD)**
Total Depth: **2954.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Reference Elevations: **1729.00 ft (KB)**
1721.00 ft (CF)
KB to GR/CF: 8.00 ft
Test Type: **Conventional Bottom Hole**
Tester: **Cody/Brett**
Unit No: **47**

Serial #: 6719 **Inside**
Press@RunDepth: **29.28 psig @ 2931.00 ft (KB)**
Start Date: **2011.03.25** End Date: **2011.03.25**
Start Time: **06:20:37** End Time: **13:06:54**
Capacity: **8000.00 psig**
Last Calib.: **2011.03.25**
Time On Btm: **2011.03.25 @ 08:53:02**
Time Off Btm: **2011.03.25 @ 11:55:02**

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



PRESSURE SUMMARY

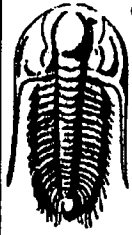
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1450.86	92.84	Initial Hydro-static
1	12.60	92.64	Open To Flow (1)
46	19.42	93.45	Shut-In(1)
91	889.50	94.29	End Shut-In(1)
91	21.17	95.01	Open To Flow (2)
136	29.28	95.12	Shut-In(2)
181	826.15	96.39	End Shut-In(2)
182	1390.71	97.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
35.00	MCWV, 30%M, 70%W	0.49
0.00	Show of oil in tool	0.00

Gas Rates

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



**TRIOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations Inc,

Louie #7

8411 Preston Rd 800
Dallas TX, 75225

34-14-14 Russel, KS

ATTN: Kitt Noah

Job Ticket: 42803

DST#: 3

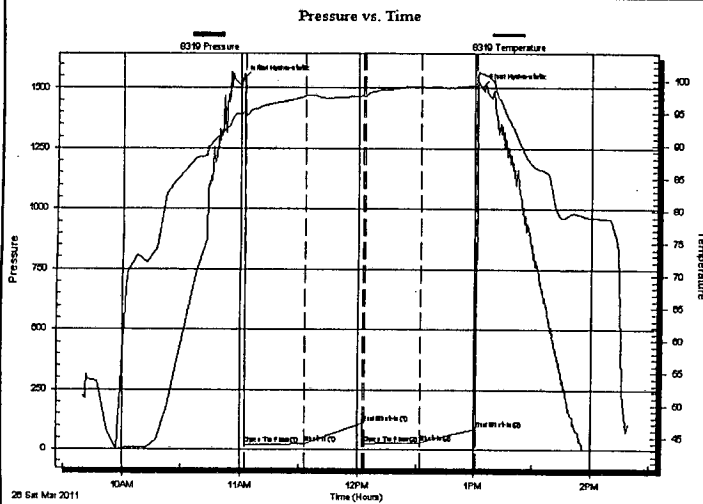
Test Start: 2011.03.26 @ 09:40:24

GENERAL INFORMATION:

Formation: **Quartz Sand**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 11:02:24
 Time Test Ended: 14:19:54
 Interval: **3133.00 ft (KB) To 3160.00 ft (KB) (TVD)**
 Total Depth: **3160.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole**
 Tester: **Cody/Brett**
 Unit No: **47**
 Reference Elevations: **1729.00 ft (KB)**
1721.00 ft (CF)
 KB to GR/CF: **8.00 ft**

Serial #: 8319 Inside
 Press@RunDepth: **30.78 psig @ 3140.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2011.03.26** End Date: **2011.03.26** Last Calib.: **2011.03.26**
 Start Time: **09:40:29** End Time: **14:19:53** Time On Btm: **2011.03.26 @ 11:00:54**
 Time Off Btm: **2011.03.26 @ 13:03:24**

TEST COMMENT: IF- B.O.B- 20 min
 IS- No blow back
 FF- B.O.B- 13 min
 FS- No blow back



PRESSURE SUMMARY

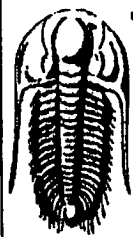
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1533.25	94.88	Initial Hydro-static
2	19.17	94.72	Open To Flow (1)
32	24.57	97.61	Shut-In(1)
62	110.21	97.63	End Shut-In(1)
63	23.35	97.59	Open To Flow (2)
92	30.78	98.97	Shut-In(2)
120	85.80	99.24	End Shut-In(2)
123	1501.73	101.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
35.00	OCM 20% O 80% M	0.49
0.00	GIP 270ft	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations Inc,

Louie #7

8411 Preston Rd 800
Dallas TX, 75225

34-14-14 Russel,KS

Job Ticket: 42804

DST#: 4

ATTN: Kitt Noah

Test Start: 2011.03.26 @ 19:50:35

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: **No Whipstock** ft (KB)
 Time Tool Opened: **20:54:05**
 Time Test Ended: **01:41:35**

Test Type: **Conventional Bottom Hole**
 Tester: **Cody/Brett**
 Unit No: **47**

Interval: **3134.00 ft (KB) To 3170.00 ft (KB) (TVD)**
 Total Depth: **3170.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1729.00 ft (KB)**
1721.00 ft (CF)
 KB to GR/CF: **8.00 ft**

Serial #: 8319

Inside

Press@RunDepth: **371.23 psig @ 3139.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2011.03.26**

End Date:

2011.03.27

Last Calib.: **2011.03.27**

Start Time: **19:50:40**

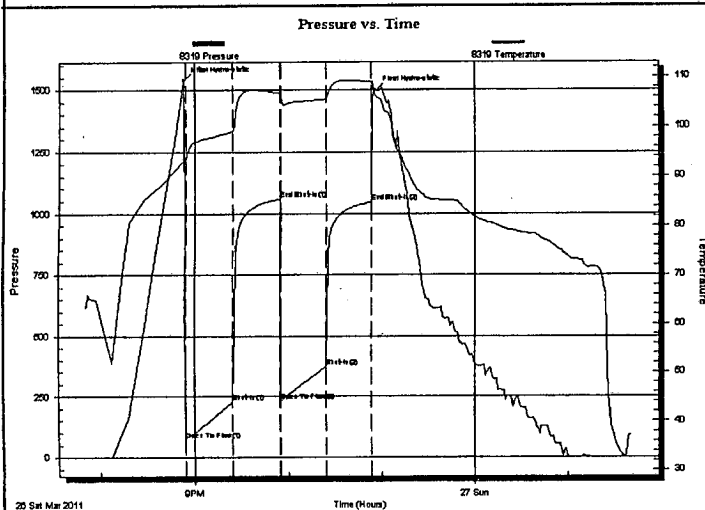
End Time:

01:41:34

Time On Btm: **2011.03.26 @ 20:53:05**

Time Off Btm: **2011.03.26 @ 22:56:05**

TEST COMMENT: IF- B.O.B 1 1/2 min.
 IS- B.O.B 2 min., Gas to surface- 11 min.
 FF- B.O.B 2 min.
 FS- B.O.B 3 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1537.37	93.37	Initial Hydro-static
1	70.97	93.15	Open To Flow (1)
31	226.37	99.06	Shut-In(1)
62	1059.14	106.69	End Shut-In(1)
62	232.32	105.83	Open To Flow (2)
91	371.23	105.55	Shut-In(2)
120	1046.70	108.89	End Shut-In(2)
123	1497.70	106.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
480.00	GO 30%G 70%O	6.73
180.00	GO 45%G 55%O	2.52
360.00	VSMGO 5%M 5%G 90%O	5.05
280.00	SMGO 5%M 30%G 65%O	3.93

Gas Rates

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