

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mai Oil Operations
 8411 Preston RD Ste 800
 Dallas TX 75225+5520
 ATTN: Jim Musgrove

14-19s-10w Rice,KS
Appleton #5
 Job Ticket: 62938 **DST#: 4**
 Test Start: 2015.08.24 @ 10:30:00

GENERAL INFORMATION:

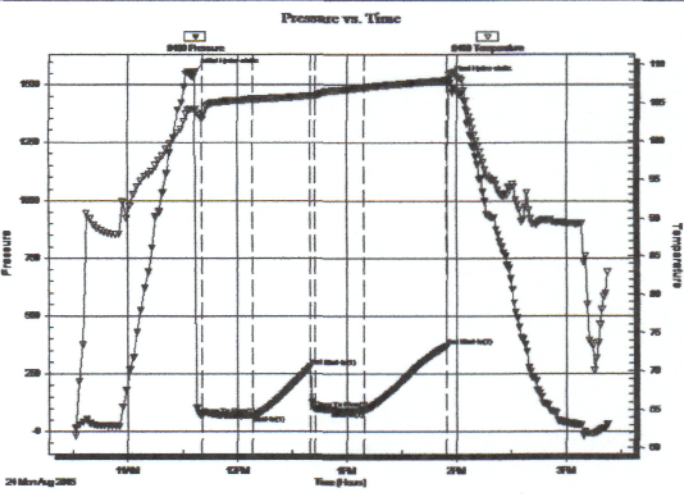
Formation: **LKC I - K**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:40:30
 Time Test Ended: 15:22:30
 Interval: **3121.00 ft (KB) To 3200.00 ft (KB) (TVD)**
 Total Depth: 3200.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 55
 Reference Elevations: 1757.00 ft (KB)
 1749.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8400

Inside

Press@RunDepth: 92.55 psig @ 3160.00 ft (KB)
 Start Date: 2015.08.24 End Date: 2015.08.24
 Start Time: 10:31:00 End Time: 15:22:30
 Capacity: 8000.00 psig
 Last Calib.: 2015.08.24
 Time On Btrr: 2015.08.24 @ 11:36:30
 Time Off Btrr: 2015.08.24 @ 13:55:30

TEST COMMENT: FFP-30 Minutes-BOB in 4 1/2 minutes
 ISIP-30 Minutes-No blow back
 FFP-30 Minutes-BOB in 2 1/2 minutes
 FSIP- 45 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1559.86	104.08	Initial Hydro-static
4	68.72	102.73	Open To Flow (1)
32	70.11	105.40	Shut-In(1)
63	279.40	105.88	End Shut-In(1)
66	98.74	105.84	Open To Flow (2)
93	92.55	106.95	Shut-In(2)
138	368.97	107.90	End Shut-In(2)
139	1526.71	108.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	VGM 50%G 50%M	0.84
70.00	GM 40%G 60%M	0.98
0.00	1430 gas in pipe	0.00

Gas Rates

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



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Appleton #5

ATTN: Jim Musgrove

Job Ticket: 62939

DST#: 5

Test Start: 2015.08.25 @ 00:25:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:24:30

Time Test Ended: 05:03:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 55

Interval: **3204.00 ft (KB) To 3290.00 ft (KB) (TVD)**

Reference Elevations: 1757.00 ft (KB)

Total Depth: 3290.00 ft (KB) (TVD)

1749.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8400

Inside

Press@RunDepth: 1014.57 psig @ 3210.75 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.25

End Date:

2015.08.25

Last Calib.: 2015.08.25

Start Time: 00:25:00

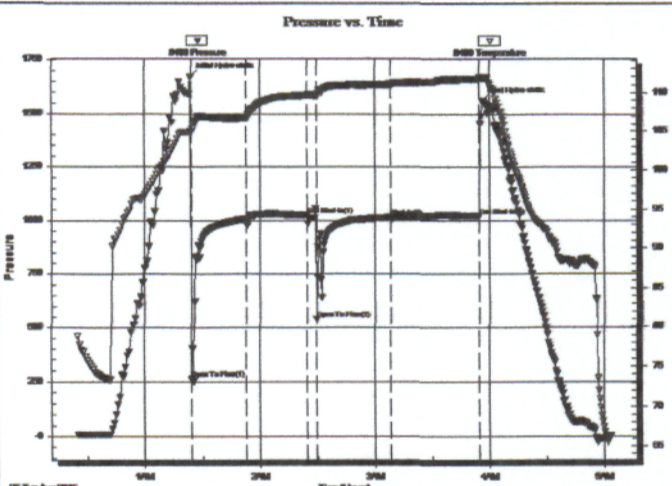
End Time:

05:03:00

Time On Btm: 2015.08.25 @ 01:24:00

Time Off Btm: 2015.08.25 @ 03:56:00

TEST COMMENT: IFP-Weak blow built to 2 1/2' started to die back
 IS- No blow back
 FFP- Very weak surface blow - flushed tool - good surge blow died
 FS- No blow back



PRESSURE SUMMARY

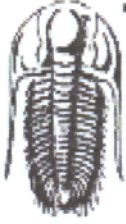
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1672.69	104.89	Initial Hydro-static
1	263.08	104.89	Open To Flow (1)
29	1007.61	106.74	Shut-In(1)
61	1024.79	109.60	End Shut-In(1)
66	541.67	109.48	Open To Flow (2)
105	1014.57	110.98	Shut-In(2)
151	1021.76	111.65	End Shut-In(2)
152	1560.88	111.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	Mud	0.35

Gas Rates

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



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DRILL STEM TEST REPORT

Mai Oil Operations

14-19s-10w Rice,KS

8411 Preston RD Ste 800 Dallas TX 75225+5520

Appleton #5

Job Ticket: 62940

DST#: 6

ATTN: Jim Musgrove

Test Start: 2015.08.25 @ 10:00:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:14:30

Time Test Ended: 15:12:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 55

Interval: **3204.00 ft (KB) To 3293.00 ft (KB) (TVD)**

Reference Elevations: 1757.00 ft (KB)

Total Depth: 3293.00 ft (KB) (TVD)

1749.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8400

Inside

Press@RunDepth: 331.64 psig @ 3288.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.25

End Date:

2015.08.25

Last Calib.: 2015.08.25

Start Time: 10:01:00

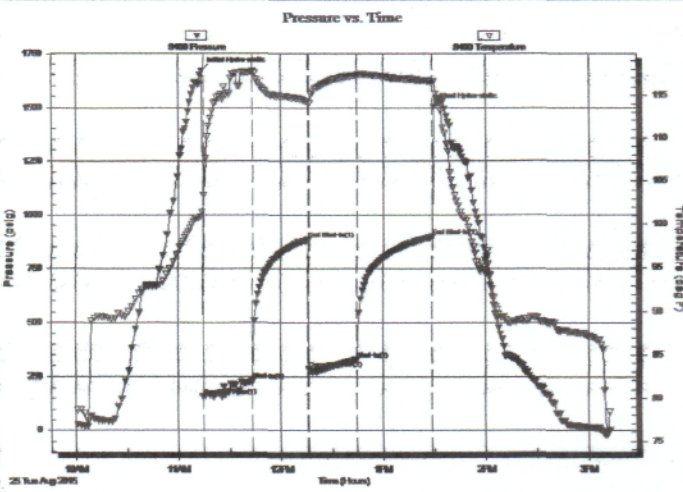
End Time:

15:12:30

Time On Btm: 2015.08.25 @ 11:13:30

Time Off Btm: 2015.08.25 @ 13:29:30

TEST COMMENT: IFF-30 Minutes-BOB in 6 minutes
ISIP-30 Minutes-No blow back
FFP-30 Minutes-BOB in 11 minutes
FSP-45 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1670.27	101.43	Initial Hydro-static
1	157.69	103.41	Open To Flow (1)
30	232.12	117.83	Shut-In(1)
62	884.44	114.32	End Shut-In(1)
63	284.73	114.12	Open To Flow (2)
91	331.64	117.32	Shut-In(2)
135	897.14	116.61	End Shut-In(2)
136	1502.10	116.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
420.00	GOCMW 10%g 10%o 20%m 60%w	5.89
120.00	GOCMW 10%g 10%o 25%m 55%w	1.68
120.00	GOCMW 10%g 10%o 30%m 50%w	1.68
0.00	180' GIP	0.00

Gas Rates

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