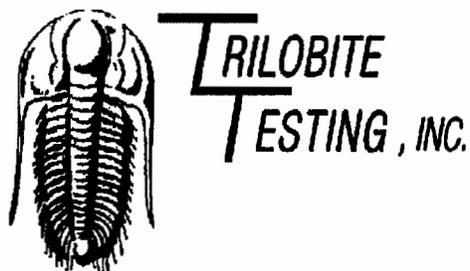


And



DRILL STEM TEST REPORT

Prepared For: **Pickrell Drilling Company, Inc**

100 S.Main, Ste 505
Wichita, KS 67202

ATTN: Jerry Smith

25-29s-7w Kingman KS

Maple F #2

Start Date: 2010.06.26 @ 11:29:08

End Date: 2010.06.27 @ 00:00:08

Job Ticket #: 36918 DST #: 1

**RECEIVED
SEP 30 2010
KCC WICHITA**

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Pickrell Drilling Company, Inc

Maple F #2

25-29s-7w Kingman KS

DST # 1

Mississippi

2010.06.26



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Pickrell Drilling Company, Inc

100 S. Main, Ste 505
Wichita, KS 67202

ATTN: Jerry Smith

Maple F #2

25-29s-7w Kingman KS

Job Ticket: 36918

DST#: 1

Test Start: 2010.06.26 @ 11:29:08

GENERAL INFORMATION:

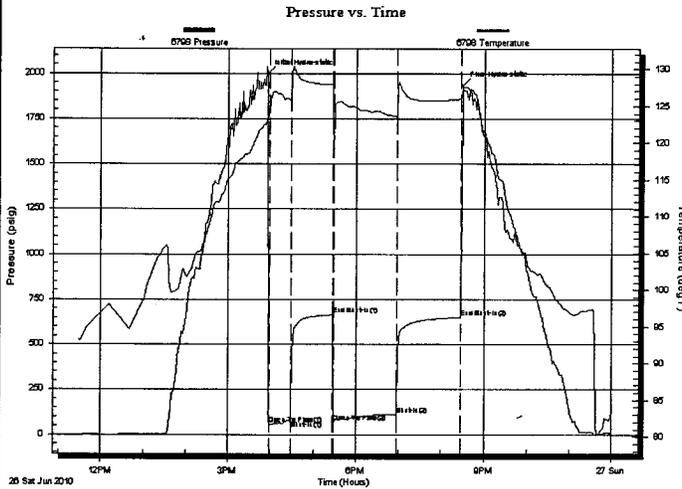
Formation: **Mississippi**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 15:58:08
 Time Test Ended: 00:00:08
 Interval: **4134.00 ft (KB) To 4157.00 ft (KB) (TVD)**
 Total Depth: **4157.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Fair
 Test Type: **Conventional Bottom Hole**
 Tester: **Jerry Adams**
 Unit No: **45**
 Reference Elevations: **1533.00 ft (KB)**
1523.00 ft (CF)
 KB to GR/CF: **10.00 ft**

Serial #: 6798

Inside

Press@RunDepth: 109.41 psig @ 4135.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.06.26 End Date: 2010.06.27 Last Calib.: 2010.06.27
 Start Time: 11:29:09 End Time: 00:00:08 Time On Btm: 2010.06.26 @ 15:56:08
 Time Off Btm: 2010.06.26 @ 20:29:38

TEST COMMENT: IF: Strong blow . B.O.B. in 15 secs. GTS in 19 mins. (see gas flow report.)
 IS: No blow .
 FF: Strong blow . B.O.B. in 5 secs.
 FS: Weak blow . Built to 3".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1996.57	123.30	Initial Hydro-static
2	58.14	124.21	Open To Flow (1)
32	78.47	125.68	Shut-In(1)
92	662.74	127.91	End Shut-In(1)
93	64.97	118.62	Open To Flow (2)
181	109.41	123.47	Shut-In(2)
272	649.41	126.00	End Shut-In(2)
274	1932.31	127.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
82.00	SGCMw /oil scum 5%g 95%m	1.15
124.00	SGO&WCM 5%g 3%o 2%w 90%m	1.74
0.00	3918' GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	8.00	37.76
Last Gas Rate	0.38	15.00	109.16
Max. Gas Rate	0.38	15.50	111.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pickrell Drilling Company, Inc

Maple F #2

100 S.Main, Ste 505
Wichita, KS 67202

25-29s-7w Kingman KS

Job Ticket: 36918

DST#: 1

ATTN: Jerry Smith

Test Start: 2010.06.26 @ 11:29:08

Tool Information

Drill Pipe:	Length: 4124.00 ft	Diameter: 3.80 inches	Volume: 57.85 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 57.85 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	4134.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	46.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4116.00	
Hydraulic tool	5.00			4121.00	
Safety Joint	3.00			4124.00	
Packer	5.00			4129.00	23.00 Bottom Of Top Packer
Packer	5.00			4134.00	
Stubb	1.00			4135.00	
Recorder	0.00	6798	Inside	4135.00	
Recorder	0.00	8367	Inside	4135.00	
Perforations	19.00			4154.00	
Bullnose	3.00			4157.00	23.00 Bottom Packers & Anchor
Total Tool Length:	46.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drilling Company, Inc

Maple F #2

100 S.Main, Ste 505
Wichita, KS 67202

25-29s-7w Kingman KS

Job Ticket: 36918

DST#: 1

ATTN: Jerry Smith

Test Start: 2010.06.26 @ 11:29:08

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.77 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 0.21 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
82.00	SGCMw /oil scum 5%g 95%m	1.150
124.00	SGO&WCM 5%g 3%o 2%w 90%m	1.739
0.00	3918' GIP	0.000

Total Length: 206.00 ft

Total Volume: 2.889 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: GA-1

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Pickrell Drilling Company, Inc

Maple F #2

100 S.Main, Ste 505
Wichita, KS 67202

25-29s-7w Kingman KS

Job Ticket: 36918

DST#: 1

ATTN: Jerry Smith

Test Start: 2010.06.26 @ 11:29:08

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	30	0.25	8.00	37.76
1	30	0.25	8.00	36.17
2	10	0.38	7.50	81.69
2	20	0.38	9.00	87.18
2	30	0.38	10.50	92.68
2	40	0.38	12.00	98.18
2	50	0.38	13.50	103.67
2	60	0.38	14.50	107.33
2	70	0.38	15.50	111.00
2	80	0.38	15.00	109.16

Serial #: 6798

Inside

Rickrell Drilling Company, Inc

25-29s-7w Kingman KS

DST Test Number: 1

Pressure vs. Time

