

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Pickrell Drilling Co Inc**

100 S Main Ste 505
Wichita KS 67202

ATTN: Jerry Smith

1 30S 7W Kingman KS

Reida B #5

Start Date: 2006.06.19 @ 07:52:14

End Date: 2006.06.19 @ 16:18:44

Job Ticket #: 24128 DST #: 1

15-095-22044-00-00

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Pickrell Drilling Co Inc

Reida B #5

1 30S 7W Kingman KS

DST # 1

Mississippi

2006.06.19



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Pickrell Drilling Co Inc

Reida B #5

100 S Main Ste 505
Wichita KS 67202

1 30S 7W Kingman KS

ATTN: Jerry Smith

Job Ticket: 24128

DST#: 1

Test Start: 2006.06.19 @ 07:52:14

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:34:44

Time Test Ended: 16:18:44

Test Type: Conventional Bottom Hole

Tester: Gerald Adams

Unit No: 36

Interval: **4100.00 ft (KB) To 4126.00 ft (KB) (TVD)**

Reference Elevations: 1459.00 ft (KB)

Total Depth: 4126.00 ft (KB) (TVD)

1454.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6799 Inside

Press@RunDepth: 71.32 psig @ 4101.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2006.06.19

End Date: 2006.06.19

Last Calib.: 2006.06.19

Start Time: 07:52:19

End Time: 16:18:43

Time On Btm: 2006.06.19 @ 09:34:14

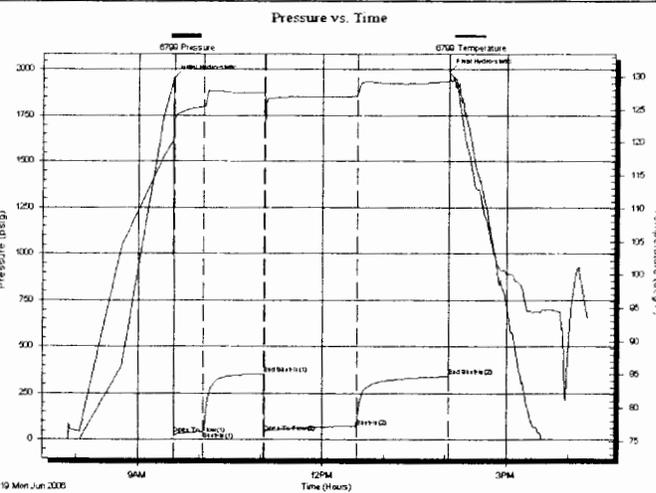
Time Off Btm: 2006.06.19 @ 14:03:59

TEST COMMENT: IF Strong blow BOB in 45 sec

ISI No blow

FF Strong blow BOB in 10 sec GTS in 3 min (see gas flow report) (caught gas sample)

FSI Weak surface blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1948.52	120.35	Initial Hydro-static
1	26.02	123.24	Open To Flow (1)
30	44.12	125.49	Shut-In(1)
88	354.85	127.61	End Shut-In(1)
90	39.68	121.46	Open To Flow(2)
179	71.32	127.00	Shut-In(2)
270	340.85	129.35	End Shut-In(2)
270	1987.04	130.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	SG&OCM 6%G 2%O 92%M	0.87
124.00	HG&OCWM 25%G 12%O 13%W 50%M	1.74
0.00	3902' GIP	0.00
0.00	RW= .165 @ 95 deg. 31000 ppm	0.00
0.00		0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	1.00	24.43
Last Gas Rate	0.25	5.50	31.57
Max. Gas Rate	0.25	5.50	31.57



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TOOL DIAGRAM

Pickrell Drilling Co Inc

Reida B #5

100 S Main Ste 505
Wichita KS 67202

1 30S 7W Kingman KS

Job Ticket: 24128

DST#: 1

ATTN: Jerry Smith

Test Start: 2006.06.19 @ 07:52:14

Tool Information

Drill Pipe:	Length: 4088.00 ft	Diameter: 3.80 inches	Volume: 57.34 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: 57.34 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	4100.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	49.00 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			4082.00	
Hydraulic tool	5.00			4087.00	
Safety Joint	3.00			4090.00	
Packer	5.00			4095.00	23.00 Bottom Of Top Packer
Packer	5.00			4100.00	
Stubb	1.00			4101.00	
Recorder	0.00	6799	Inside	4101.00	
Perforations	22.00			4123.00	
Recorder	0.00	13400	Outside	4123.00	
Bullnose	3.00			4126.00	26.00 Bottom Packers & Anchor
Total Tool Length:	49.00				



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FLUID SUMMARY

Pickrell Drilling Co Inc

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Wichita KS 67202

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Job Ticket: 24128

DST#: 1

ATTN: Jerry Smith

Test Start: 2006.06.19 @ 07:52:14

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: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.97 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 7000.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	SG&OCM 6%G 2%O 92%M	0.870
124.00	HG&OCWM 25%G 12%O 13%W 50%M	1.739
0.00	3902' GIP	0.000
0.00	RW= .165 @ 95 deg. 31000 ppm	0.000
0.00		0.000

Total Length: 186.00 ft

Total Volume: 2.609 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: GA-1

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



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DRILL STEM TEST REPORT

GAS RATES

Pickrell Drilling Co Inc

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Wichita KS 67202

1 30S 7W Kingman KS

Job Ticket: 24128

DST#: 1

ATTN: Jerry Smith

Test Start: 2006.06.19 @ 07:52:14

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)
2	5	0.25	1.00	24.43
2	5	0.25	1.00	24.43
2	10	0.25	2.00	26.02
2	20	0.25	2.50	26.81
2	30	0.25	4.00	29.19
2	40	0.25	4.25	29.59
2	50	0.25	4.75	30.38
2	60	0.25	5.25	31.17
2	70	0.25	5.50	31.57
2	80	0.25	5.50	31.57
2	90	0.25	5.50	31.57

Serial #: 6799

Inside

Pickrell Drilling Co Inc

1 30S 7W Kingman KS

DST Test Number: 1

