

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Edmiston Oil Company**

125 N. Market, Ste. 1130
Wichita, Kansas 67202

ATTN: Max Lovely

24-29s-9w Kingman,KS

Miller #5

Start Date: 2010.08.12 @ 04:30:56

End Date: 2010.08.12 @ 11:36:26

Job Ticket #: 36936 DST #: 1

RECEIVED
SEP 21 2010
KCC WICHITA

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Edmiston Oil Company
125 N. Market, Ste. 1130
Wichita, Kansas 67202
ATTN: Max Lovely

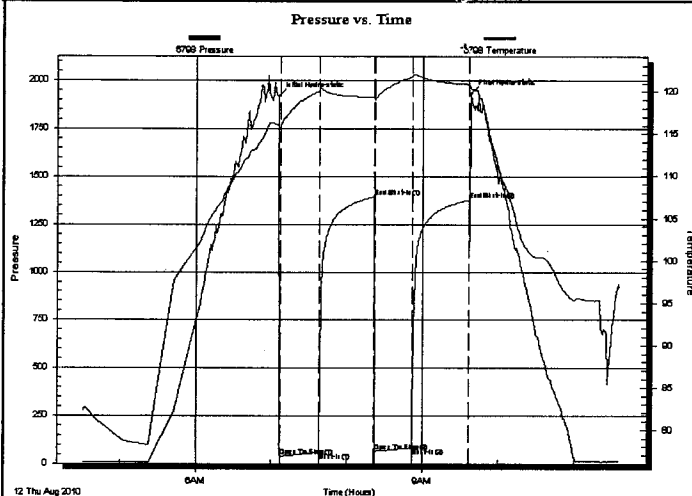
Miller #5
24-29s-9w Kingman, KS
Job Ticket: 36936 DST#: 1
Test Start: 2010.08.12 @ 04:30:56

GENERAL INFORMATION:

Formation: **Swope**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:07:56
Time Test Ended: 11:36:26
Interval: **3940.00 ft (KB) To 3961.00 ft (KB) (TVD)**
Total Depth: 3961.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Jerry Adams
Unit No: 45
Reference Elevations: 1691.00 ft (KB)
1681.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: **6798** Inside
Press@RunDepth: 82.54 psig @ 3941.00 ft (KB)
Start Date: 2010.08.12 End Date: 2010.08.12
Start Time: 04:30:57 End Time: 11:36:26
Capacity: 8000.00 psig
Last Calib.: 2010.08.12
Time On Btm: 2010.08.12 @ 07:06:26
Time Off Btm: 2010.08.12 @ 09:37:56

TEST COMMENT: IF:Weak blow . Built to 5".
IS:No blow .
FF:Weak blow . Built to 2 1/2".
FS:No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1921.05	116.08	Initial Hydro-static
2	40.16	116.01	Open To Flow (1)
32	60.04	120.12	Shut-In(1)
76	1394.21	119.37	End Shut-In(1)
77	65.72	119.00	Open To Flow (2)
106	82.54	121.70	Shut-In(2)
150	1376.73	120.88	End Shut-In(2)
152	1935.11	120.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	MCWw/oil scum 80%w 20%m	1.40

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Edmiston Oil Company

Miller #5

125 N. Market, Ste. 1130
Wichita, Kansas 67202

24-29s-9w Kingman, KS

Job Ticket: 36936

DST#: 1

ATTN: Max Lovely

Test Start: 2010.08.12 @ 04:30:56

Tool Information

Drill Pipe:	Length: 3938.00 ft	Diameter: 3.80 inches	Volume: 55.24 bbl	Tool Weight: 2500.00 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: 50000.00 lb
		Total Volume: 55.24 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3940.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	49.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3917.00	
Hydraulic tool	5.00			3922.00	
Jars	5.00			3927.00	
Safety Joint	3.00			3930.00	
Packer	5.00			3935.00	28.00 Bottom Of Top Packer
Packer	5.00			3940.00	
Stubb	1.00			3941.00	
Recorder	0.00	6798	Inside	3941.00	
Recorder	0.00	8367	Outside	3941.00	
Perforations	17.00			3958.00	
Bullnose	3.00			3961.00	21.00 Bottom Packers & Anchor

Total Tool Length: 49.00



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FLUID SUMMARY

Edmiston Oil Company

Miller #5

125 N. Market, Ste. 1130
Wichita, Kansas 67202

24-29s-9w Kingman, KS

Job Ticket: 36936

DST#: 1

ATTN: Max Lovely

Test Start: 2010.08.12 @ 04:30:56

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:

72000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.38 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 bbl
100.00	MCV w/oil scum 80%w 20%m	1.403

Total Length: 100.00 ft Total Volume: 1.403 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .075 @ 105F

Serial #: 6798

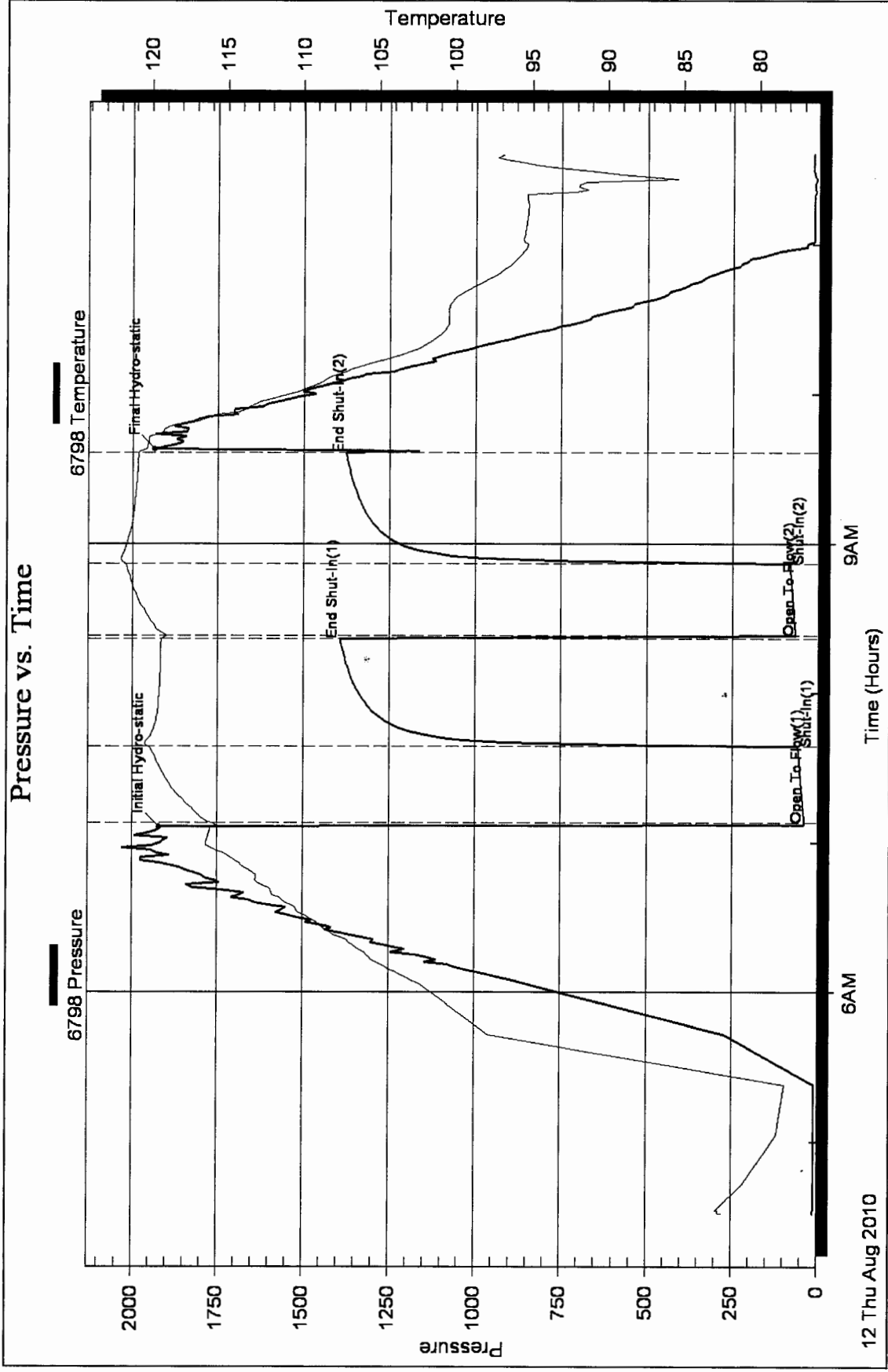
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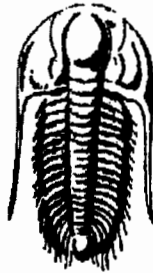
Edmiston Oil Company

24-29s-9w Kingman, KS

DST Test Number: 1

Pressure vs. Time





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DRILL STEM TEST REPORT

Prepared For: **Edmiston Oil Company**

125 N. Market, Ste. 1130
Wichita, Kansas 67202

ATTN: Max Lovely

24-29s-9w Kingman,KS

Miller #5

Start Date: 2010.08.12 @ 21:46:54

End Date: 2010.08.13 @ 06:34:54

Job Ticket #: 36937 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Edmiston Oil Company

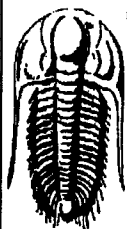
Miller #5

24-29s-9w Kingman,KS

DST # 2

Hertha

2010.08.12



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DRILL STEM TEST REPORT

Edmiston Oil Company

125 N. Market, Ste. 1130
Wichita, Kansas 67202

ATTN: Max Lovely

Miller #5

24-29s-9w Kingman, KS

Job Ticket: 36937

DST#: 2

Test Start: 2010.08.12 @ 21:46:54

GENERAL INFORMATION:

Formation: Hertha

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:03:54

Time Test Ended: 06:34:54

Test Type: Conventional Bottom Hole

Tester: Jerry Adams

Unit No: 45

Interval: 3978.00 ft (KB) To 4002.00 ft (KB) (TVD)

Total Depth: 4002.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1691.00 ft (KB)

1681.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6798

Inside

Press@RunDepth: 586.70 psig @ 3979.00 ft (KB)

Start Date: 2010.08.12

End Date:

2010.08.13

Start Time: 21:46:55

End Time:

06:34:54

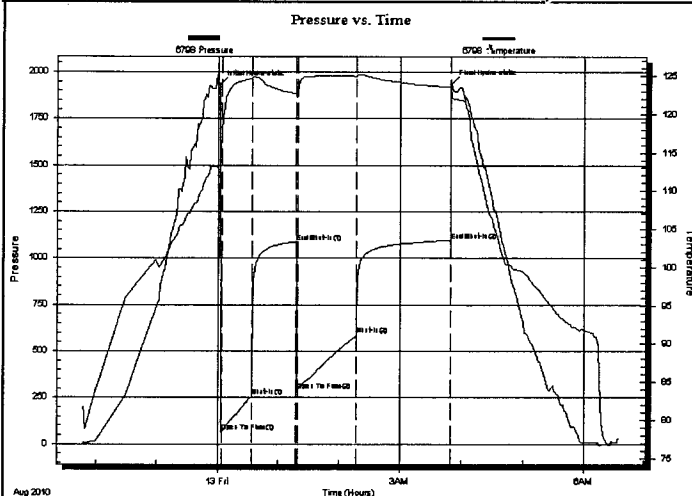
Capacity: 8000.00 psig

Last Calib.: 2010.08.13

Time On Btm: 2010.08.13 @ 00:02:24

Time Off Btm: 2010.08.13 @ 03:50:24

TEST COMMENT: IF: Strong blow . B.O.B. in 4 1/2 mins.
IS: Weak blow . Built to 2". Decreased to 1/4".
FF: Strong blow . B.O.B. in 7 1/2 mins.
FS: No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1935.11	113.37	Initial Hydro-static
2	64.46	117.59	Open To Flow (1)
31	258.77	124.58	Shut-In(1)
76	1086.33	122.69	End Shut-In(1)
77	289.00	122.29	Open To Flow (2)
135	586.70	124.97	Shut-In(2)
227	1096.08	123.59	End Shut-In(2)
228	1935.23	122.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
110.00	MW w/oil scum 55%w 45%m	1.54
990.00	SMCW 90%w 10%m	13.89

Gas Rates

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

Edmiston Oil Company

Miller #5

125 N. Market, Ste. 1130
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24-29s-9w Kingman, KS

Job Ticket: 36937

DST#: 2

ATTN: Max Lovely

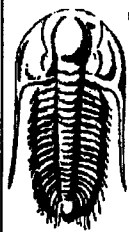
Test Start: 2010.08.12 @ 21:46:54

Tool Information

Drill Pipe:	Length: 3970.00 ft	Diameter: 3.80 inches	Volume: 55.69 bbl	Tool Weight: 2500.00 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
			Total Volume: 55.69 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3978.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	52.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3955.00	
Hydraulic tool	5.00			3960.00	
Jars	5.00			3965.00	
Safety Joint	3.00			3968.00	
Packer	5.00			3973.00	28.00 Bottom Of Top Packer
Packer	5.00			3978.00	
Stubb	1.00			3979.00	
Recorder	0.00	6798	Inside	3979.00	
Recorder	0.00	8367	Outside	3979.00	
Perforations	20.00			3999.00	
Bullnose	3.00			4002.00	24.00 Bottom Packers & Anchor

Total Tool Length: 52.00



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Job Ticket: 36937

DST#: 2

ATTN: Max Lovely

Test Start: 2010.08.12 @ 21:46:54

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

98000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 12.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 0.21 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
110.00	MW w/oil scum 55%w 45%m	1.543
990.00	SMCW 90%w 10%m	13.887

Total Length: 1100.00 ft Total Volume: 15.430 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .055 @ 100F

