

DRILL STEM TEST REPORT

Prepared For: **Strata Exploration Inc**

PO Box 401
Fairfield, IL 62837

ATTN: Strata Exploration In

26-29-32 Haskell, Ks

Kelman #2

Start Date: 2004.09.09 @ 23:15:55

End Date: 2004.09.10 @ 11:32:35

Job Ticket #: 19623 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



DRILL STEM TEST REPORT

Strata Exploration Inc
 PO Box 401
 Fairfield, IL 62837
 ATTN: Strata Exploration In, IL 62837

Kelman #2
 26-29-32 Haskell, Ks
 Job Ticket: 19623
 DST#: 1
 Test Start: 2004.09.09 @ 23:15:55

GENERAL INFORMATION:

Formation: **morrow s s**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 02:37:05
 Time Test Ended: 11:32:35

Test Type: Conventional Bottom Hole
 Tester: Shane McBride
 Unit No: 25

Interval: **5255.00 ft (KB) To 5357.00 ft (KB) (TVD)**
 Total Depth: 5357.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair

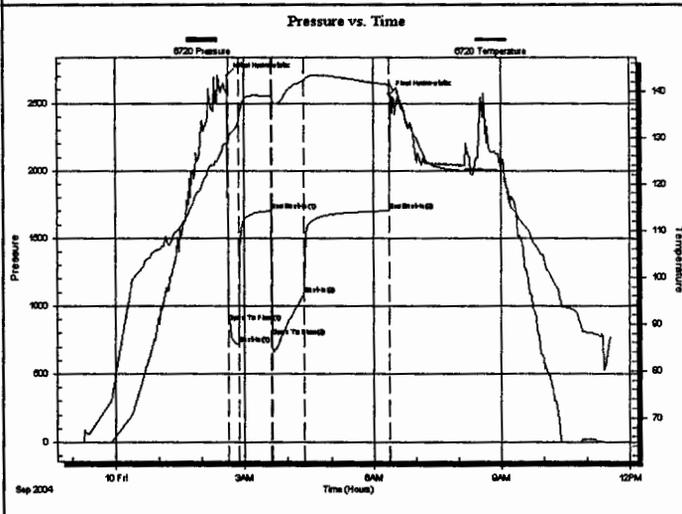
Reference Elevations: 2899.00 ft (KB)
 2894.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6720 Inside

Press@RunDepth: 1082.84 psig @ 5256.00 ft (KB)
 Capacity: 7000.00 psig

Start Date: 2004.09.09 End Date: 2004.09.10 Last Calib.: 2004.09.10
 Start Time: 23:15:55 End Time: 11:32:35 Time On Btm: 2004.09.10 @ 02:36:35
 Time Off Btm: 2004.09.10 @ 06:23:50

TEST COMMENT: B.O.B. in 1 1/2 min G.T.S. in 7 1/2 min.
 Return in 1/2 min B.O.B. in 3 min.
 B.O.B. @ open , to weak to gauge
 Bleed off throughout



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2705.06	129.01	Initial Hydro-static
1	883.58	128.67	Open To Flow (1)
16	715.69	133.63	Shut-In(1)
61	1701.92	138.82	End Shut-In(1)
62	776.93	138.47	Open To Flow (2)
107	1082.84	142.19	Shut-In(2)
226	1700.94	141.39	End Shut-In(2)
228	2567.94	141.63	Final Hydro-static

Length (ft)	Description	Volume (bbt)
120.00	m c g o 25% m 30% g 45% o	0.59
4225.00	c g o 35% g 65% o	56.43

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Strata Exploration Inc

Kelman #2

PO Box 401
Fairfield, IL 62837

26-29-32 Haskell, Ks

Job Ticket: 19623

DST#: 1

ATTN: Strata Exploration In, IL 62837

Test Start: 2004.09.09 @ 23:15:55

Tool Information

Drill Pipe:	Length: 4815.00 ft	Diameter: 3.80 inches	Volume: 67.54 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 431.00 ft	Diameter: 2.25 inches	Volume: 2.12 bbl	Weight to Pull Loose: 120000.0 lb
			<u>Total Volume: 69.66 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 94000.00 lb
Depth to Top Packer:	5255.00 ft			Final 102000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	102.00 ft			
Tool Length:	130.00 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			5232.00	
Sampler	2.00			5234.00	
Hydraulic tool	5.00			5239.00	
Jars	5.00			5244.00	
Safety Joint	2.00			5246.00	
Packer	5.00			5251.00	28.00 Bottom Of Top Packer
Packer	4.00			5255.00	
Stubb	1.00			5256.00	
Recorder	0.00	6720	Inside	5256.00	
Perforations	31.00			5287.00	
Change Over Sub	1.00			5288.00	
Drill Pipe	63.00			5351.00	
Change Over Sub	1.00			5352.00	
Recorder	0.00	2023	Outside	5352.00	
Bullnose	5.00			5357.00	102.00 Bottom Packers & Anchor

Total Tool Length: 130.00

 <p style="font-size: 2em; font-weight: bold; margin: 0;">TRILOBITE TESTING, INC</p>	DRILL STEM TEST REPORT		FLUID SUMMARY
	Strata Exploration Inc	Kelman #2	
	PO Box 401 Fairfield, IL 62837	26-29-32 Haskell, Ks	
ATTN: Strata Exploration In, IL 62837	Job Ticket: 19623	DST#: 1	
	Test Start: 2004.09.09 @ 23:15:55		

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 31 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 1900 ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.59 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 1900.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	m c g o 25% m 30% g 45% o	0.590
4225.00	c g o 35% g 65% o	56.433

Total Length: 4345.00 ft Total Volume: 57.023 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: sampler 2200ml oil .7 cubic ft of gas
psi.1570

Serial #: 6720

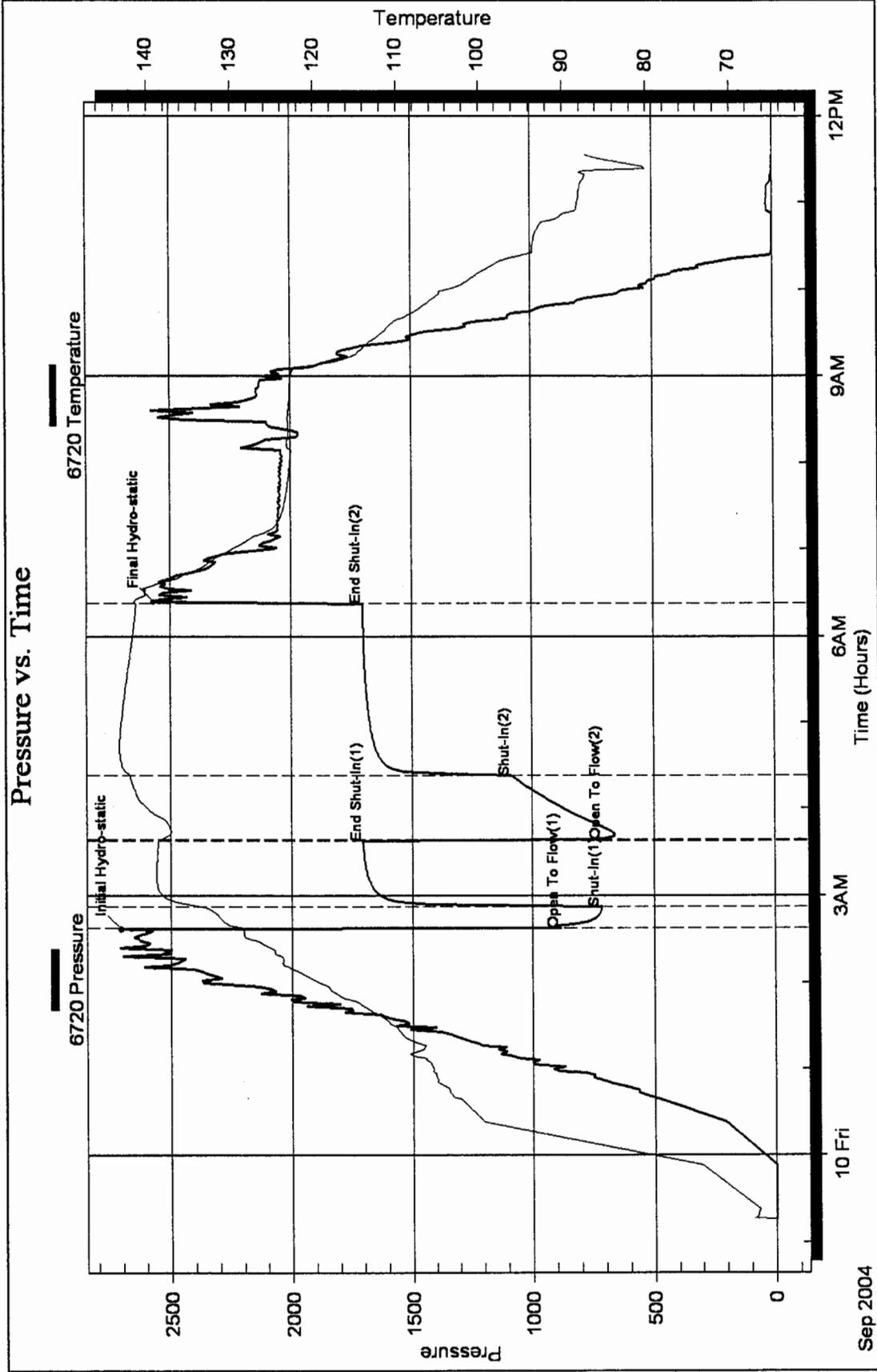
Inside

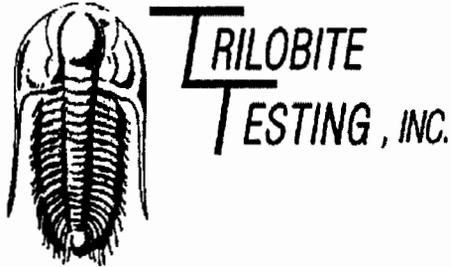
Strata Exploration Inc

26-29-32 Haskell, Ks

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Strata Exploration Inc**

PO Box 401
Fairfield, IL 62837

ATTN: Strata Exploration In

26-29-32 Haskell, Ks

Kelman #2

Start Date: 2004.09.11 @ 10:46:02

End Date: 2004.09.11 @ 20:11:57

Job Ticket #: 19624 DST #: 2

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Strata Exploration Inc

PO Box 401
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ATTN: Strata Exploration In, IL 62837

Kelman #2

26-29-32 Haskell, Ks

Job Ticket: 19624 **DST#: 2**

Test Start: 2004.09.11 @ 10:46:02

GENERAL INFORMATION:

Formation: **St Louis "A"**

Deviated: **No** Whipstock: ft (KB)

Time Tool Opened: 13:52:57

Time Test Ended: 20:11:57

Test Type: **Conventional Bottom Hole**

Tester: **Shane McBride**

Unit No: **25**

Interval: **5500.00 ft (KB) To 5526.00 ft (KB) (TVD)**

Total Depth: **5526.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2899.00 ft (KB)**

2894.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 6720 **Inside**

Press@RunDepth: **130.88 psig @ 5501.00 ft (KB)**

Start Date: **2004.09.11**

Start Time: **10:46:02**

End Date:

End Time:

2004.09.11

20:11:57

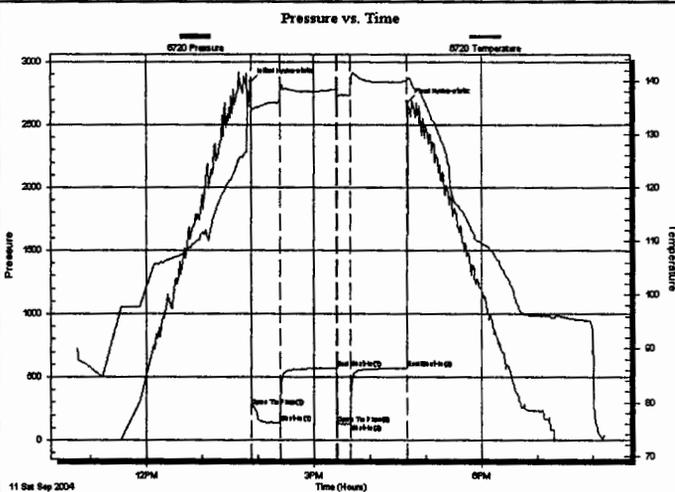
Capacity: **7000.00 psig**

Last Calib.: **2004.09.11**

Time On Btrn: **2004.09.11 @ 13:52:27**

Time Off Btrn: **2004.09.11 @ 16:40:42**

TEST COMMENT: Packer failure @ open pull & reset, packers seated B.O.B. in 7 min. G.T.S. in 21 min. to weak to gauge.
Return blow built to 1" in. died in 25 min.
B.O.B. @ open, to weak to gauge
No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2841.29	135.21	Initial Hydro-static
1	265.52	134.79	Open To Flow (1)
31	137.31	135.97	Shut-In(1)
92	569.02	138.38	End Shut-In(1)
93	129.94	135.33	Open To Flow (2)
107	130.88	137.28	Shut-In(2)
168	567.93	139.92	End Shut-In(2)
169	2683.52	140.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
476.00	g c m 25%g 75%m	2.75

Gas Rates

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



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TOOL DIAGRAM

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Kelman #2

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26-29-32 Haskell, Ks

Job Ticket: 19624

DST#: 2

ATTN: Strata Exploration In, IL 62837

Test Start: 2004.09.11 @ 10:46:02

Tool Information

Drill Pipe:	Length: 5065.00 ft	Diameter: 3.80 inches	Volume: 71.05 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 431.00 ft	Diameter: 2.25 inches	Volume: 2.12 bbl	Weight to Pull Loose: 115000.0 lb
			<u>Total Volume: 73.17 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 94000.00 lb
Depth to Top Packer:	5500.00 ft			Final 96000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	56.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5471.00	
Shut In Tool	5.00			5476.00	
Sampler	3.00			5479.00	
Hydraulic tool	5.00			5484.00	
Jars	5.00			5489.00	
Safety Joint	2.00			5491.00	
Packer	5.00			5496.00	30.00 Bottom Of Top Packer
Packer	4.00			5500.00	
Stubb	1.00			5501.00	
Recorder	0.00	6720	Inside	5501.00	
Perforations	20.00			5521.00	
Recorder	0.00	2023	Outside	5521.00	
Bullnose	5.00			5526.00	26.00 Bottom Packers & Anchor

Total Tool Length: 56.00



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Job Ticket: 19624

DST#: 2

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Test Start: 2004.09.11 @ 10:46:02

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

3000 ppm

Viscosity: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
476.00	g c m 25%g 75%m	2.751

Total Length: 476.00 ft

Total Volume: 2.751 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: sampler 1.2 cb ft gas
psi 480

Serial #: 6720

Inside

Strata Exploration Inc

26-29-32 Haskell, Ks

DST Test Number: 2

