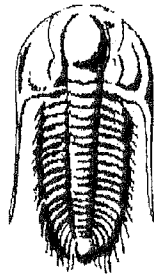


36-2s-27w



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling CO Inc**

250 N Water Ste 300
Wichita KS 67202

ATTN: Paul Gunzelman

36 2S 27W Decator KS

Flying "S" Ranch 1-36

Start Date: 2007.02.23 @ 03:42:26

End Date: 2007.02.23 @ 11:35:20

Job Ticket #: 26442 DST #: 1

15-039-20995

SW NW SE SW

965 FSL 1145 FWL

RECEIVED
KANSAS CORPORATION COMMISSION

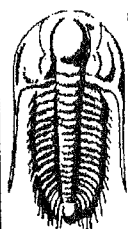
AUG 01 2007

CONSERVATION DIVISION
WICHITA, KS

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling CO Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Paul Gunzelman

Flying "S" Ranch 1-36

36 2S 27W Decator KS

Job Ticket: 26442

DST#: 1

Test Start: 2007.02.23 @ 03:42:26

GENERAL INFORMATION:

Formation: **Pollnow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:53:06

Time Test Ended: 11:35:20

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 40

Interval: **3578.00 ft (KB) To 3598.00 ft (KB) (TVD)**

Total Depth: 3598.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2636.00 ft (KB)

2631.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **6667**

Inside

Press@RunDepth: 164.87 psig @ 3579.00 ft (KB)

Start Date: 2007.02.23

End Date:

2007.02.23

Start Time: 03:42:26

End Time:

11:35:20

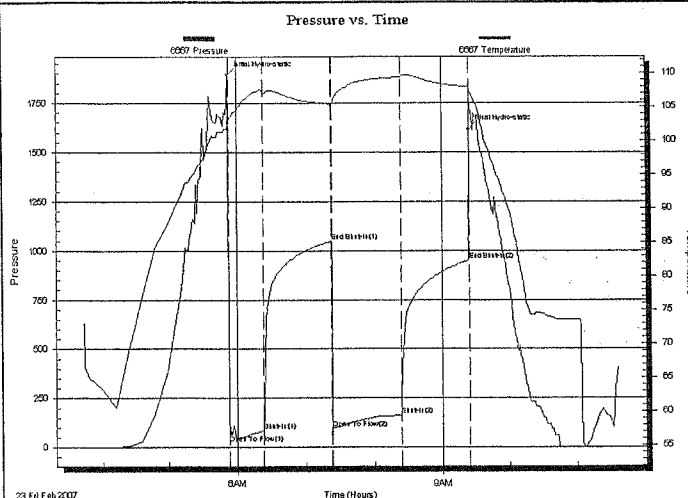
Capacity: 7000.00 psig

Last Calib.: 2007.02.23

Time On Btm: 2007.02.23 @ 05:52:36

Time Off Btm: 2007.02.23 @ 09:23:35

TEST COMMENT: IF 1/4 blow BOB in 11 min.
IS Surface blow built to 4 in 60 min.
FF 1/4 blow BOB in 20 min.
FS Surface blow built to 6 1/2 in 60 min.



PRESSURE SUMMARY

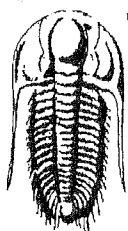
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1893.28	101.99	Initial Hydro-static
1	22.67	102.80	Open To Flow (1)
31	86.52	107.04	Shut-In(1)
91	1046.88	105.44	End Shut-In(1)
92	96.73	105.39	Open To Flow (2)
151	164.87	109.44	Shut-In(2)
211	949.72	107.92	End Shut-In(2)
211	1614.82	108.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GOCM 10%G 10%O 80%M	0.30
439.00	GO 40%G 60%O	2.61

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling CO Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Paul Gunzelman

Flying "S" Ranch 1-36

36 2S 27W Decator KS

Job Ticket: 26442

DST#: 1

Test Start: 2007.02.23 @ 03:42:26

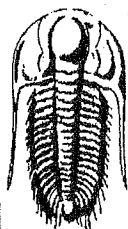
Tool Information

Drill Pipe:	Length: 3115.00 ft	Diameter: 3.80 inches	Volume: 43.70 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: 25000.00 lb
Drill Collar:	Length: 451.00 ft	Diameter: 2.25 inches	Volume: 2.22 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume: 45.92 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3578.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	41.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3562.00	
Hydraulic tool	5.00			3567.00	
Safety Joint	2.00			3569.00	
Packer	5.00			3574.00	21.00 Bottom Of Top Packer
Packer	4.00		Inside	3578.00	
Stubb	1.00			3579.00	
Recorder	0.00	6667	Inside	3579.00	
Perforations	14.00			3593.00	
Recorder	0.00	11058	Outside	3593.00	
Bullnose	5.00			3598.00	20.00 Bottom Packers & Anchor
Total Tool Length:	41.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling CO Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Paul Gunzelman

Flying "S" Ranch 1-36

36 2S 27W Decator KS

Job Ticket: 26442

DST#: 1

Test Start: 2007.02.23 @ 03:42:26

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 59.00 sec/qt

Water Loss: 7.19 in³

Resistivity: 0.00 ohm.m

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

33 deg API

0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	GOCM 10%G 10%O 80%M	0.305
439.00	GO 40%G 60%O	2.614

Total Length: 501.00 ft Total Volume: 2.919 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

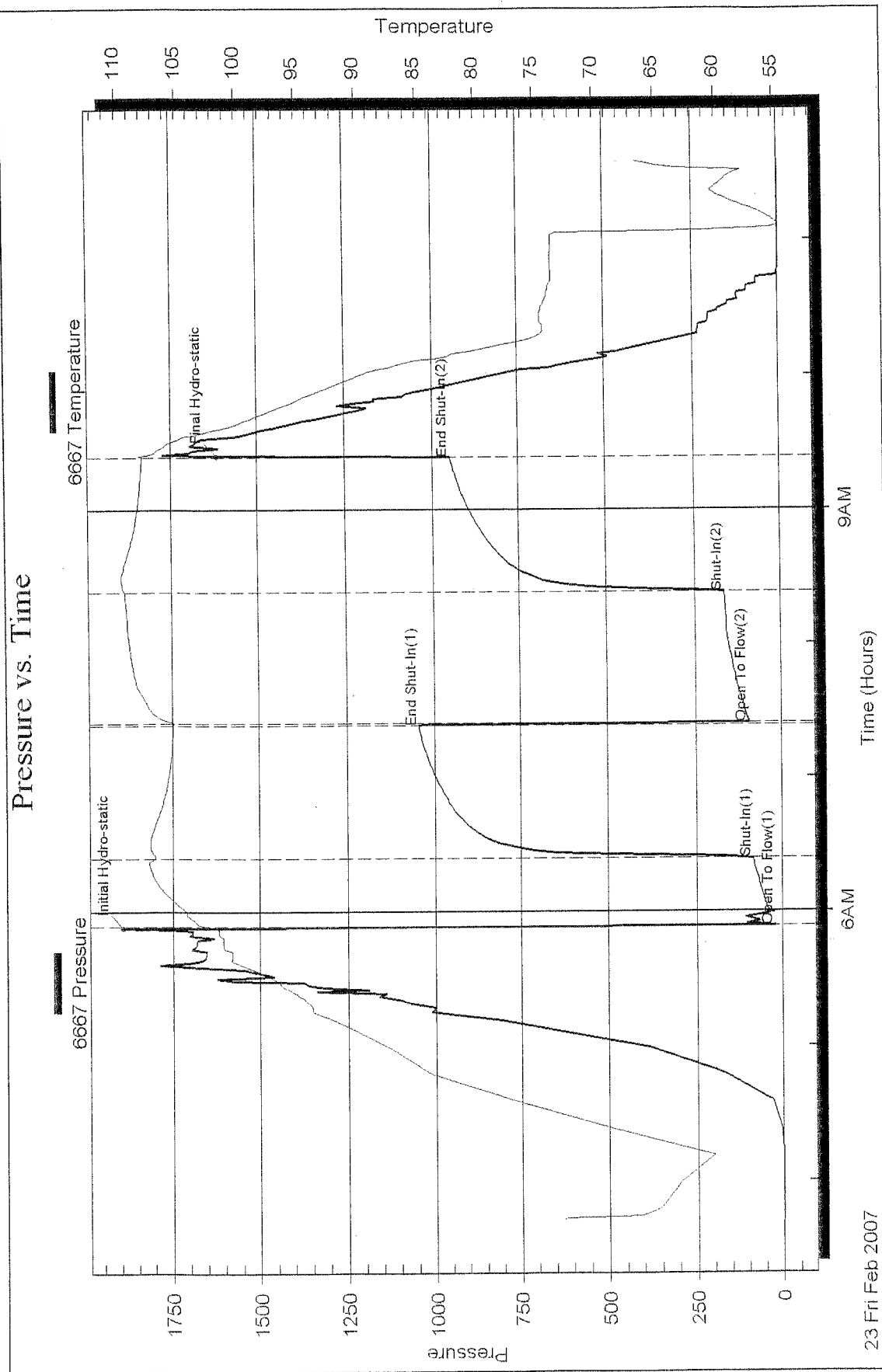
36 2S 27W Decator KS

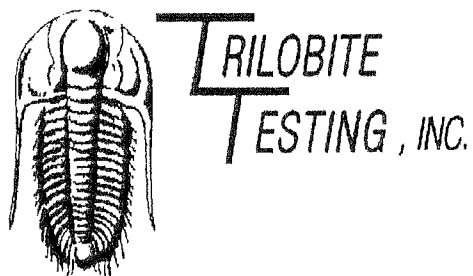
Murfin Drilling CO Inc

Inside

Serial #: 6667

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling CO Inc**

250 N Water Ste 300
Wichita KS 67202

ATTN: Paul Gunzelman

36 2S 27W Decator KS

Flying "S" Ranch 1-36

Start Date: 2007.02.24 @ 01:00:51

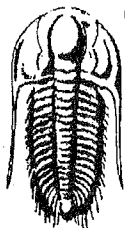
End Date: 2007.02.24 @ 08:15:30

Job Ticket #: 26443 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling CO Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Paul Gunzelman

Flying "S" Ranch 1-36

36 2S 27W Decator KS

Job Ticket: 26443

DST#: 2

Test Start: 2007.02.24 @ 01:00:51

GENERAL INFORMATION:

Formation: **Lansing**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:12:31

Time Test Ended: 08:15:30

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 40

Interval: **3714.00 ft (KB) To 3748.00 ft (KB) (TVD)**

Total Depth: 3598.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2636.00 ft (KB)

2631.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6667 Inside

Press@RunDepth: 41.29 psig @ 3715.00 ft (KB)

Start Date: 2007.02.24

End Date: 2007.02.24

Start Time: 01:00:51

End Time: 08:15:30

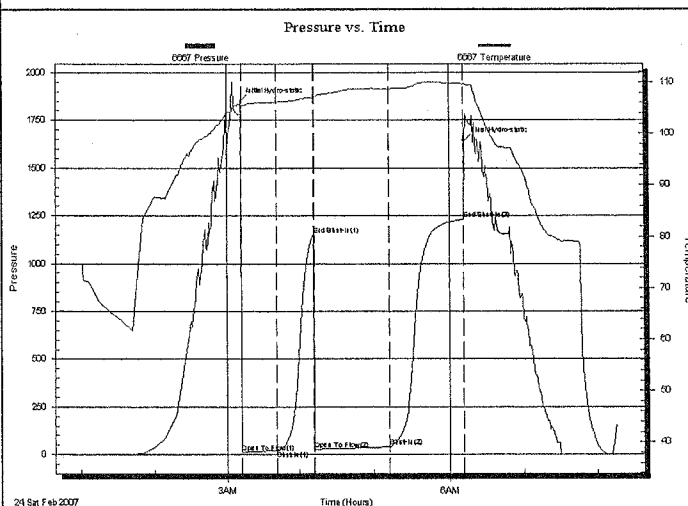
Capacity: 7000.00 psig

Last Calib.: 2007.02.24

Time On Btm: 2007.02.24 @ 03:12:16

Time Off Btm: 2007.02.24 @ 06:12:15

TEST COMMENT: IF Surface blow never died
IS No return
FF Surface blow built to 4 in 60 min.
FS No return



PRESSURE SUMMARY

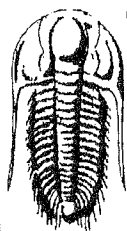
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1848.39	105.83	Initial Hydro-static
1	11.65	104.95	Open To Flow (1)
30	21.11	106.16	Shut-in(1)
60	1152.08	107.09	End Shut-in(1)
61	27.47	107.05	Open To Flow (2)
121	41.29	108.76	Shut-in(2)
180	1230.42	109.74	End Shut-in(2)
180	1642.51	109.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
47.00	OCM 10%O 90%M	0.23
20.00	GO 10%G 90%O	0.10

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling CO Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Paul Gunzelman

Flying "S" Ranch 1-36

36 2S 27W Decator KS

Job Ticket: 26443

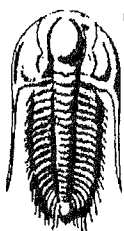
DST#: 2

Test Start: 2007.02.24 @ 01:00:51

Tool Information

Drill Pipe:	Length: 3270.00 ft	Diameter: 3.80 inches	Volume: 45.87 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: 25000.00 lb
Drill Collar:	Length: 451.00 ft	Diameter: 2.25 inches	Volume: 2.22 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume:	48.09 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3714.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	55.00 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			3698.00	
Hydraulic tool	5.00			3703.00	
Safety Joint	2.00			3705.00	
Packer	5.00			3710.00	21.00 Bottom Of Top Packer
Packer	4.00		Inside	3714.00	
Stub	1.00			3715.00	
Recorder	0.00	6667	Inside	3715.00	
Perforations	28.00			3743.00	
Recorder	0.00	11058	Outside	3743.00	
Bullnose	5.00			3748.00	34.00 Bottom Packers & Anchor
Total Tool Length:	55.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling CO Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Paul Gunzelman

Flying "S" Ranch 1-36

36 2S 27W Decator KS

Job Ticket: 26443

DST#: 2

Test Start: 2007.02.24 @ 01:00:51

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: lb/gal

Viscosity: 62.00 sec/qt

Water Loss: 6.80 in³

Resistivity: 0.00 ohm.m

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

34 deg API

0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
47.00	OCM 10%O 90%M	0.231
20.00	GO 10%G 90%O	0.098

Total Length: 67.00 ft

Total Volume: 0.329 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

