



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co Inc**

250 N Water St Ste 300
Wichita KS 67202

ATTN: Scott Robinson

25 14 17 Ellis Ks

Dinges 1-25

Start Date: 2006.05.01 @ 12:40:55

End Date: 2006.05.01 @ 19:52:10

Job Ticket #: 22756 DST #: 1

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 St Ste 300
Wichita KS 67202

ATTN: Scott Robinson

Dinges 1-25

25 14 17 Ellis Ks

Job Ticket: 22756

DST#: 1

Test Start: 2006.05.01 @ 12:40:55

GENERAL INFORMATION:

Formation: **Tor LKC A B C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:46:10

Time Test Ended: 19:52:10

Test Type: Conventional Bottom Hole

Tester: Michael Armbrister

Unit No: 1

Interval: **3145.00 ft (KB) To 3250.00 ft (KB) (TVD)**

Total Depth: 3259.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1936.00 ft (KB)

1931.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6741 Inside

Press@RunDepth: 252.74 psig @ 3148.00 ft (KB)

Start Date: 2006.05.01

End Date: 2006.05.01

Start Time: 12:40:57

End Time: 19:52:10

Capacity: 7000.00 psig

Last Calib.: 2006.05.01

Time On Btm: 2006.05.01 @ 14:45:55

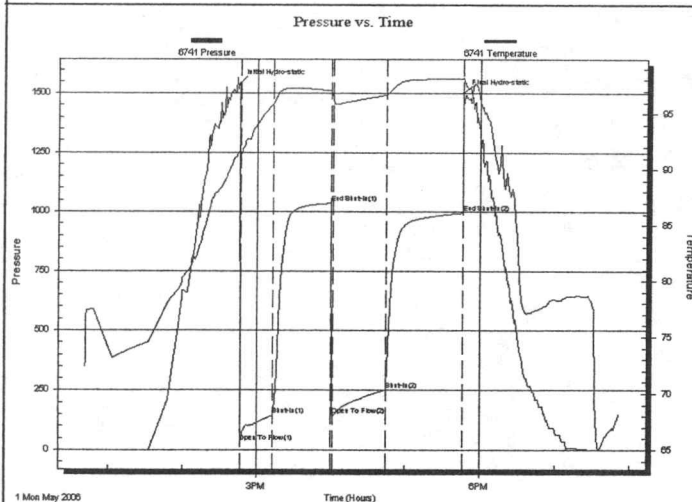
Time Off Btm: 2006.05.01 @ 17:46:40

TEST COMMENT: IF B of B 6"

ISI Blow built to 6 in then died after 20"

FF B of B 3"

FSI Blow built to 8 in then died after 22"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1540.06	91.64	Initial Hydro-static
1	34.02	91.19	Open To Flow (1)
28	146.43	95.89	Shut-In (1)
74	1036.03	97.06	End Shut-In (1)
75	146.54	96.53	Open To Flow (2)
119	252.74	96.67	Shut-In (2)
181	995.51	98.09	End Shut-In (2)
181	1501.10	98.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
380.00	GW & Mcut Oil 9%W 9%M 22%G 60%O	3.66
60.00	GMCO 10%M 40%G 50%O	0.84
60.00	GOCM 25%O 35%G 40%M	0.84
90.00	SOCM 5%O 95%M	1.26
0.00	800 GIP	0.00

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 St Ste 300
Wichita KS 67202

ATTN: Scott Robinson

Dinges 1-25

25 14 17 Ellis Ks

Job Ticket: 22756

DST#: 1

Test Start: 2006.05.01 @ 12:40:55

Tool Information

Drill Pipe:	Length: 2952.00 ft	Diameter: 3.80 inches	Volume: 41.41 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 35000.00 lb
		Total Volume: 42.31 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3145.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	105.00 ft			
Tool Length:	129.00 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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Change Over Sub	1.00			3122.00	
Shut In Tool	5.00			3127.00	
Hydraulic tool	5.00			3132.00	
Safety Joint	3.00			3135.00	
Packer	5.00			3140.00	24.00 Bottom Of Top Packer
Packer	5.00			3145.00	
Stubb	1.00			3146.00	
Perforations	1.00			3147.00	
Change Over Sub	1.00			3148.00	
Recorder	0.00	6741	Inside	3148.00	
Drill Pipe	94.00			3242.00	
Change Over Sub	1.00			3243.00	
Recorder	0.00	13254	Outside	3243.00	
Perforations	4.00			3247.00	
Bullnose	3.00			3250.00	105.00 Bottom Packers & Anchor

Total Tool Length: 129.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc

Dinges 1-25

250 N Water St Ste 300
Wichita KS 67202

25 14 17 Ellis Ks

Job Ticket: 22756

DST#: 1

ATTN: Scott Robinson

Test Start: 2006.05.01 @ 12:40:55

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: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
380.00	GW & Mcut Oil 9%W 9%M 22%G 60%O	3.663
60.00	GMCO 10%M 40%G 50%O	0.842
60.00	GOCM 25%O 35%G 40%M	0.842
90.00	SOCM 5%O 95%M	1.262
0.00	800 GIP	0.000

Total Length: 590.00 ft

Total Volume: 6.609 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6741

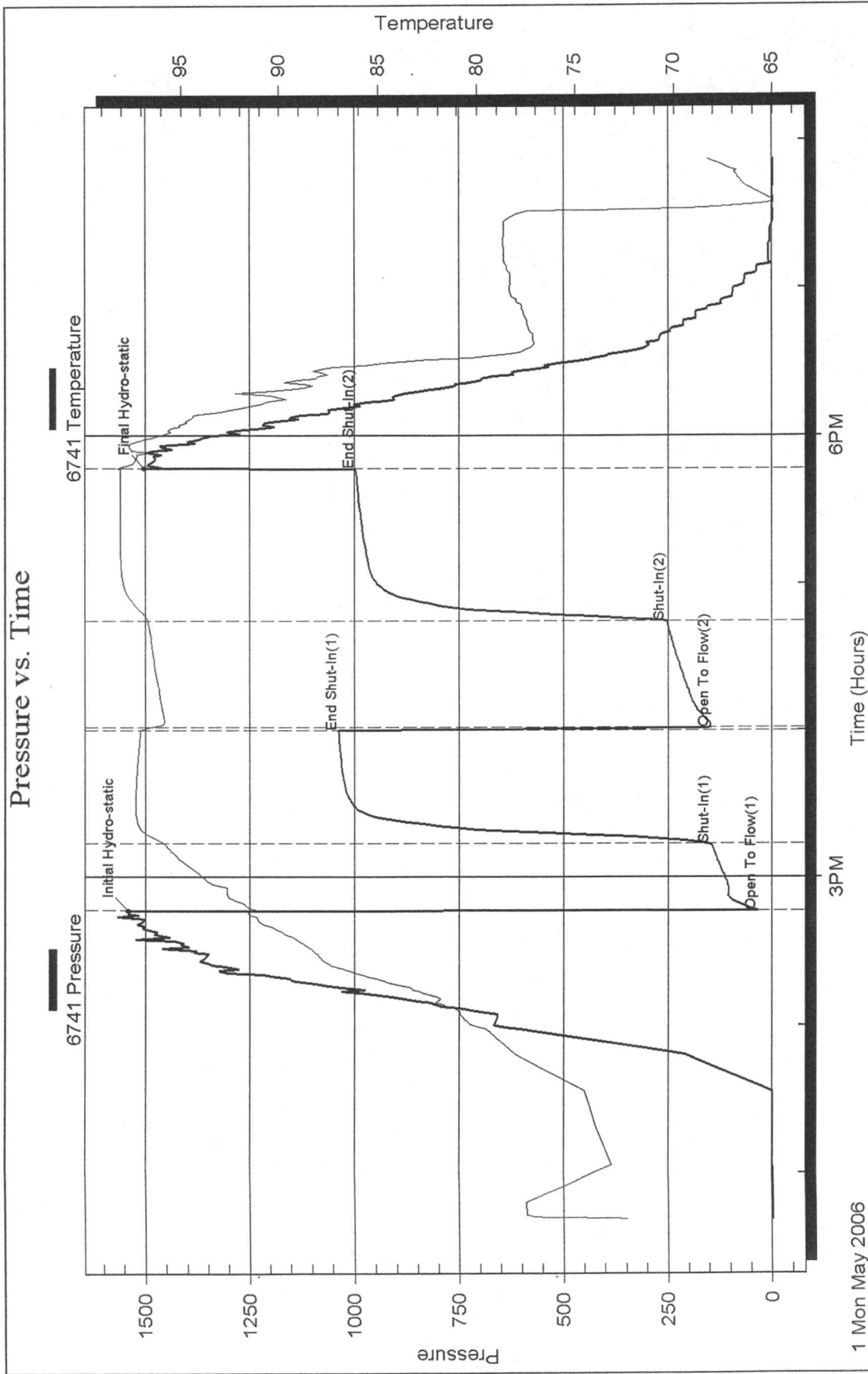
Inside

Murfin Drilling Co Inc

25 14 17 Ellis Ks

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co Inc**

250 N Water St Ste 300
Wichita KS 67202

ATTN: Scott Robinson

25 14 17 Ellis Ks

Dinges 1-25

Start Date: 2006.05.01 @ 04:17:50

End Date: 2006.05.01 @ 10:57:05

Job Ticket #: 22757

DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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DRILL STEM TEST REPORT

Murfin Drilling Co Inc
250 N Water St Ste 300
Wichita KS 67202
ATTN: Scott Robinson

Dinges 1-25

25 14 17 Ellis Ks

Job Ticket: 22757

DST#: 2

Test Start: 2006.05.01 @ 04:17:50

GENERAL INFORMATION:

Formation: **LKC- EF**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:11:05

Time Test Ended: 10:57:05

Test Type: Conventional Bottom Hole

Tester: Michael Armbrister

Unit No: 1

Interval: **3256.00 ft (KB) To 3278.00 ft (KB) (TVD)**

Total Depth: 3278.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1936.00 ft (KB)

1931.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6741

Inside

Press@RunDepth: 73.04 psig @ 3258.00 ft (KB)

Start Date: 2006.05.01

End Date: 2006.05.01

Capacity: 7000.00 psig

Last Calib.: 2006.05.02

Start Time: 04:17:52

End Time: 10:57:05

Time On Btm: 2006.05.01 @ 06:10:50

Time Off Btm: 2006.05.01 @ 09:11:35

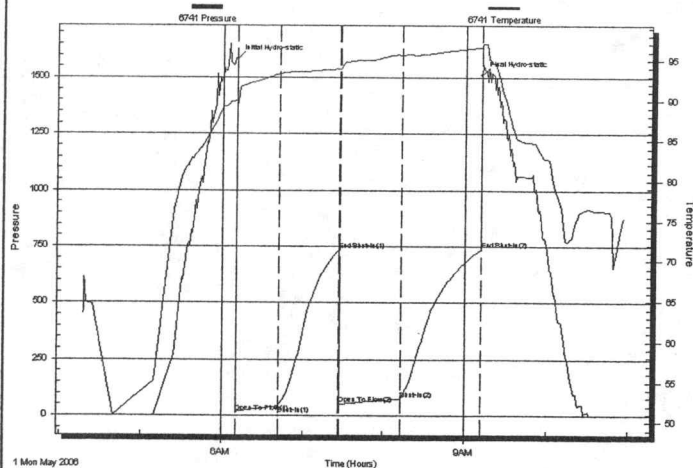
TEST COMMENT: IF B of B 15"

ISI No blow

FF B of B 25"

FSI No Blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1581.70	90.04	Initial Hydro-static
1	15.20	89.70	Open To Flow (1)
32	42.07	93.32	Shut-In (1)
76	732.24	93.92	End Shut-In (1)
77	49.59	93.86	Open To Flow (2)
123	73.04	95.59	Shut-In (2)
181	735.26	96.60	End Shut-In (2)
181	1510.49	96.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	OCM 40% O 60% M	0.10
60.00	MCO 30% M 70% O	0.30
60.00	W&MCO 10% W 30% M 60% O	0.30
0.00	100 GIP	0.00

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 St Ste 300
Wichita KS 67202

ATTN: Scott Robinson

Dinges 1-25

25 14 17 Ellis Ks

Job Ticket: 22757

DST#: 2

Test Start: 2006.05.01 @ 04:17:50

Tool Information

Drill Pipe:	Length: 3075.00 ft	Diameter: 3.80 inches	Volume: 43.13 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose:	33000.00 lb
		Total Volume:	44.03 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	33000.00 lb
Depth to Top Packer:	3256.00 ft			Final	33000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	22.00 ft				
Tool Length:	51.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3228.00	
Shut In Tool	5.00			3233.00	
Hydraulic tool	5.00			3238.00	
Jars	5.00			3243.00	
Safety Joint	3.00			3246.00	
Packer	5.00			3251.00	29.00 Bottom Of Top Packer
Packer	5.00			3256.00	
Stubb	1.00			3257.00	
Perforations	1.00			3258.00	
Recorder	0.00	6741	Inside	3258.00	
Perforations	17.00			3275.00	
Recorder	0.00	13254	Outside	3275.00	
Bullnose	3.00			3278.00	22.00 Bottom Packers & Anchor

Total Tool Length: 51.00



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FLUID SUMMARY

Murfin Drilling Co Inc

250 N Water St Ste 300
Wichita KS 67202

ATTN: Scott Robinson

Dinges 1-25

25 14 17 Ellis Ks

Job Ticket: 22757

DST#: 2

Test Start: 2006.05.01 @ 04:17:50

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 7.59 in³

Resistivity: ohm.m

Salinity: 6700.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	OCM 40%O 60%M	0.098
60.00	MCO 30%M 70%O	0.295
60.00	W&MCO 10%W 30%M 60%O	0.295
0.00	100 GIP	0.000

Total Length: 140.00 ft

Total Volume: 0.688 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6741

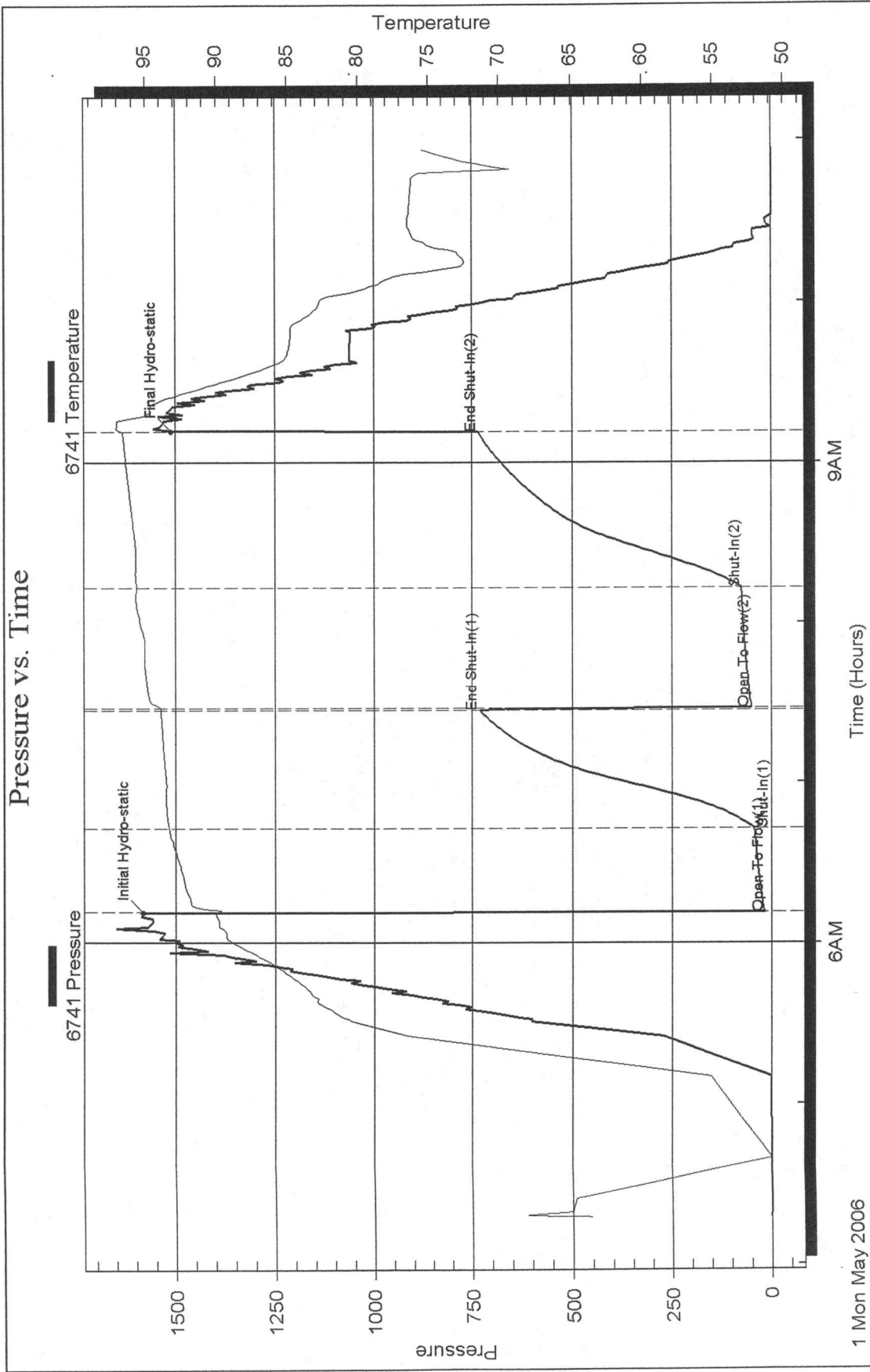
Inside

Murfin Drilling Co Inc

25 14 17 Ellis Ks

DST Test Number: 2

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co Inc**

250 N Water St Ste 300
Wichita KS 67202

ATTN: Scott Robinson

25 14 17 Ellis Ks

Dinges 1-25

Start Date: 2006.05.02 @ 17:00:08

End Date: 2006.05.02 @ 23:46:53

Job Ticket #: 22758

DST #: 3

Trilobite Testing, Inc

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



**TRILOBITE
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DRILL STEM TEST REPORT

Murfin Drilling Co Inc

250 N Water St Ste 300
Wichita KS 67202

ATTN: Scott Robinson

Dinges 1-25

25 14 17 Ellis Ks

Job Ticket: 22758

DST#: 3

Test Start: 2006.05.02 @ 17:00:08

GENERAL INFORMATION:

Formation: **LKC G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:37:23

Time Test Ended: 23:46:53

Test Type: Conventional Bottom Hole

Tester: Michael Armbrister

Unit No: 1

Interval: **3279.00 ft (KB) To 3298.00 ft (KB) (TVD)**

Total Depth: 3298.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1936.00 ft (KB)

1931.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6741 Inside

Press@RunDepth: 51.45 psig @ 3281.00 ft (KB)

Start Date: 2006.05.02

End Date:

2006.05.02

Start Time: 17:00:10

End Time:

23:46:53

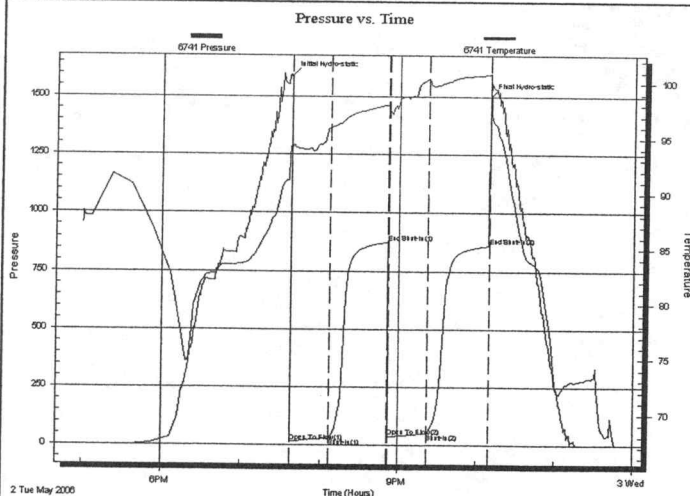
Capacity: 7000.00 psig

Last Calib.: 2006.05.02

Time On Btm: 2006.05.02 @ 19:37:08

Time Off Btm: 2006.05.02 @ 22:09:38

TEST COMMENT: IF Weak surf blow
ISI No blow
FF Weak surf blow
FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1591.41	94.36	Initial Hydro-static
1	12.90	94.06	Open To Flow (1)
30	30.70	95.99	Shut-In(1)
75	873.60	98.10	End Shut-In(1)
75	37.25	97.70	Open To Flow (2)
105	51.45	100.42	Shut-In(2)
152	860.17	100.80	End Shut-In(2)
153	1499.85	100.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	O&MC W 5%O 35%M 60%W	0.10
60.00	MC W 15%M 85%W 40000c	0.30

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 St Ste 300
Wichita KS 67202

ATTN: Scott Robinson

Dinges 1-25

25 14 17 Ellis Ks

Job Ticket: 22758

DST#: 3

Test Start: 2006.05.02 @ 17:00:08

Tool Information

Drill Pipe:	Length: 3072.00 ft	Diameter: 3.80 inches	Volume: 43.09 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 43.99 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	0.00 ft			String Weight: Initial 33000.00 lb
Depth to Top Packer:	3279.00 ft			Final 33000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	43.00 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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Change Over Sub	1.00			3256.00	
Shut In Tool	5.00			3261.00	
Hydraulic tool	5.00			3266.00	
Safety Joint	3.00			3269.00	
Packer	5.00			3274.00	24.00 Bottom Of Top Packer
Packer	5.00			3279.00	
Stubb	1.00			3280.00	
Perforations	1.00			3281.00	
Recorder	0.00	6741	Inside	3281.00	
Perforations	14.00			3295.00	
Recorder	0.00	13254	Outside	3295.00	
Bullnose	3.00			3298.00	19.00 Bottom Packers & Anchor

Total Tool Length: 43.00



TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc

250 N Water-St Ste 300
Wichita KS 67202

ATTN: Scott Robinson

Dinges 1-25

25 14 17 Ellis Ks

Job Ticket: 22758

DST#: 3

Test Start: 2006.05.02 @ 17:00:08

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 7.59 in³

Resistivity: ohm.m

Salinity: 6700.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	O&MC W 5%O 35%M 60%W	0.098
60.00	MC W 15%M 85%W 40000c	0.295

Total Length: 80.00 ft

Total Volume: 0.393 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

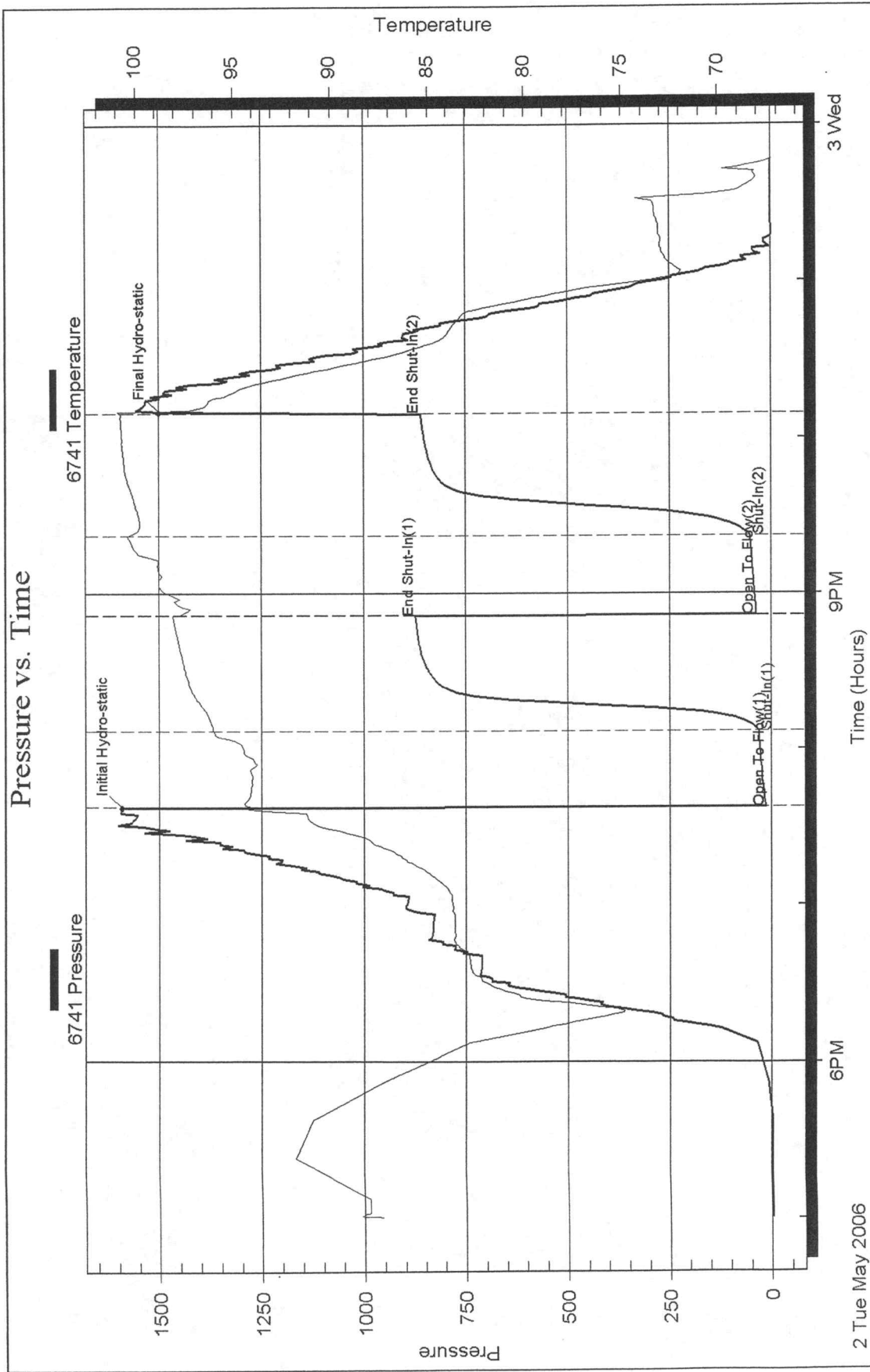
Serial #: 6741

Inside

Murfin Drilling Co Inc

25 14 17 Ellis Ks

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co Inc**

250 N Water St Ste 300
Wichita KS 67202

ATTN: Scott Robinson

25 14 17 Ellis Ks

Dinges 1-25

Start Date: 2006.05.03 @ 11:47:54

End Date: 2006.05.03 @ 18:34:09

Job Ticket #: 22759 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
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DRILL STEM TEST REPORT

Murfin Drilling Co Inc

250 N Water St Ste 300
Wichita KS 67202

ATTN: Scott Robinson

Dinges 1-25

25 14 17 Ellis Ks.

Job Ticket: 22759

DST#: 4

Test Start: 2006.05.03 @ 11:47:54

GENERAL INFORMATION:

Formation: **LKC- H I J K L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:19:54

Time Test Ended: 18:34:09

Test Type: Conventional Bottom Hole

Tester: Michael Armbrister

Unit No: 1

Interval: **3318.00 ft (KB) To 3422.00 ft (KB) (TVD)**

Total Depth: 3422.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1936.00 ft (KB)

1931.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6741

Inside

Press@RunDepth: 77.86 psig @ 3321.00 ft (KB)

Start Date: 2006.05.03

End Date: 2006.05.03

Start Time: 11:47:56

End Time: 18:34:09

Capacity: 7000.00 psig

Last Calib.: 2006.05.03

Time On Btm: 2006.05.03 @ 13:19:39

Time Off Btm: 2006.05.03 @ 16:37:24

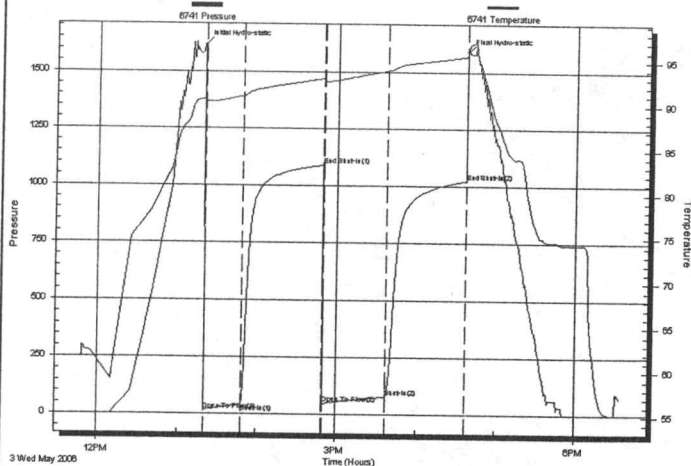
TEST COMMENT: IF- Blow built to 1/4 inch after 5m stated steady

IS- No blow

FF- Surface blow

FSI- no blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1616.89	90.86	Initial Hydro-static
1	14.66	90.42	Open To Flow (1)
29	42.29	91.01	Shut-In(1)
90	1088.53	93.02	End Shut-In(1)
91	46.46	92.79	Open To Flow(2)
138	77.86	93.91	Shut-In(2)
198	1022.67	95.59	End Shut-In(2)
198	1589.18	95.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

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 St Ste 300
Wichita KS 67202

ATTN: Scott Robinson

Dinges 1-25

25 14 17 Ellis Ks

Job Ticket: 22759

DST#: 4

Test Start: 2006.05.03 @ 11:47:54

Tool Information

Drill Pipe:	Length: 3142.00 ft	Diameter: 3.80 inches	Volume: 44.07 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose:	35000.00 lb
			<u>Total Volume: 44.97 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	35000.00 lb
Depth to Top Packer:	3318.00 ft			Final	35000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	104.00 ft				
Tool Length:	128.00 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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Change Over Sub	1.00			3295.00	
Shut In Tool	5.00			3300.00	
Hydraulic tool	5.00			3305.00	
Safety Joint	3.00			3308.00	
Packer	5.00			3313.00	24.00 Bottom Of Top Packer
Packer	5.00			3318.00	
Stubb	1.00			3319.00	
Perforations	1.00			3320.00	
Change Over Sub	1.00			3321.00	
Recorder	0.00	6741	Inside	3321.00	
Drill Pipe	93.00			3414.00	
Change Over Sub	1.00			3415.00	
Recorder	0.00	13254	Outside	3415.00	
Perforations	4.00			3419.00	
Bullnose	3.00			3422.00	104.00 Bottom Packers & Anchor

Total Tool Length: 128.00



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TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc

250 N Water St Ste 300
Wichita KS 67202

ATTN: Scott Robinson

Dinges 1-25

25 14 17 Ellis Ks

Job Ticket: 22759

DST#: 4

Test Start: 2006.05.03 @ 11:47:54

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 8.39 in³

Resistivity: ohm.m

Salinity: 9900.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity:

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

Total Length: ft Total Volume: 0.664 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6741

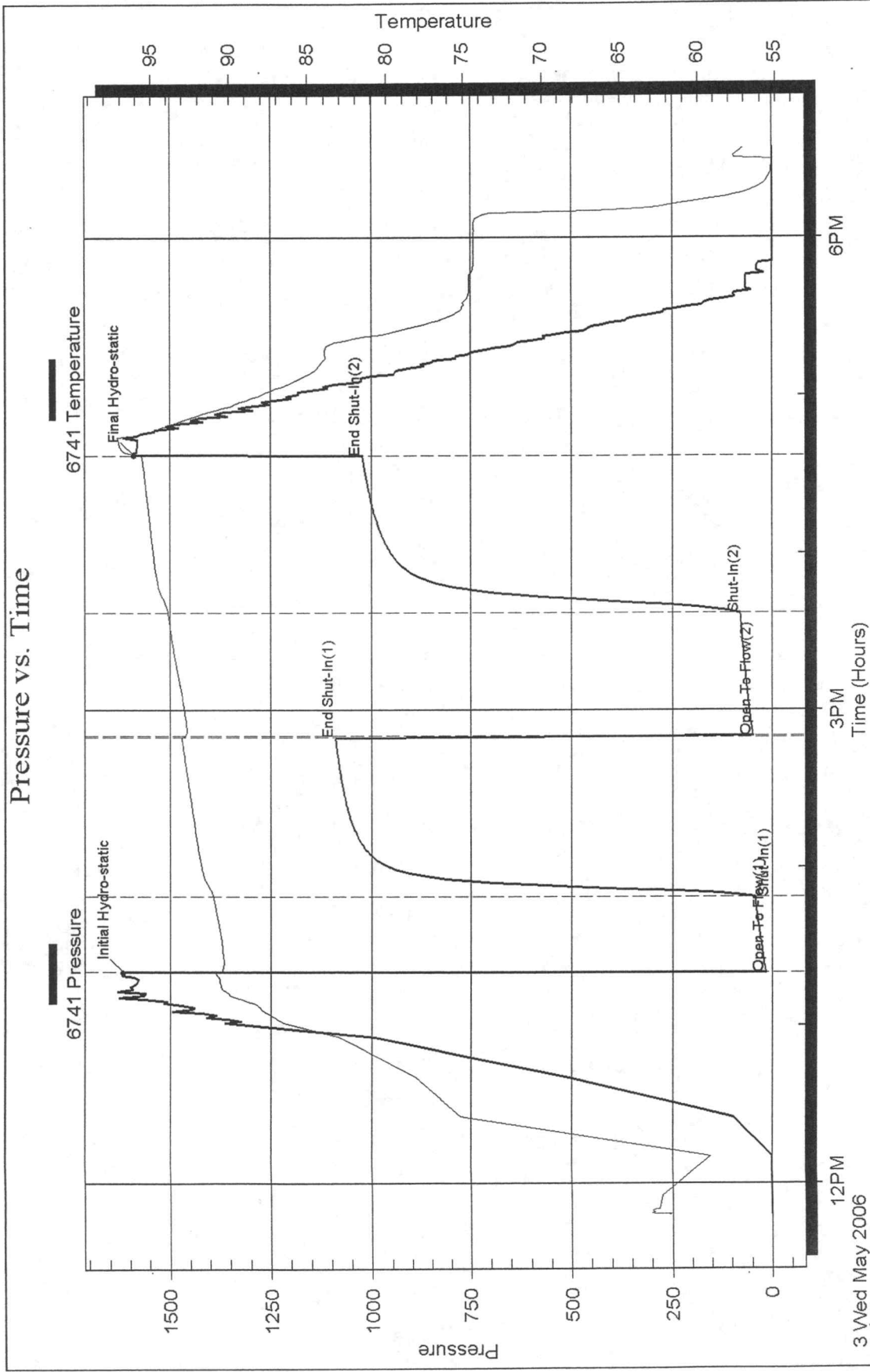
Inside

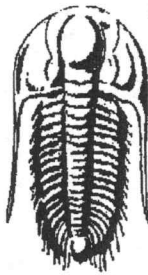
Murfin Drilling Co Inc

25 14 17 Ellis Ks

DST Test Number: 4

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co Inc**

250 N Water St Ste 300
Wichita KS 67202

ATTN: Scott Robinson

25 14 17 Ellis Ks

Dinges 1-25

Start Date: 2006.05.04 @ 09:46:47

End Date: 2006.05.04 @ 16:17:17

Job Ticket #: 23062

DST #: 5

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 St Ste 300
Wichita KS 67202

ATTN: Scott Robinson

Dinges 1-25

25 14 17 Ellis Ks

Job Ticket: 23062

DST#: 5

Test Start: 2006.05.04 @ 09:46:47

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:43:47

Time Test Ended: 16:17:17

Interval: **3417.00 ft (KB) To 3475.00 ft (KB) (TVD)**

Total Depth: 3475.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Reference Elevations: 1936.00 ft (KB)

1931.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6741

Inside

Press@RunDepth: 21.70 psig @ 3420.00 ft (KB)

Start Date: 2006.05.04

End Date:

2006.05.04

Start Time: 09:46:49

End Time:

16:17:17

Capacity: 7000.00 psig

Last Calib.: 2006.05.04

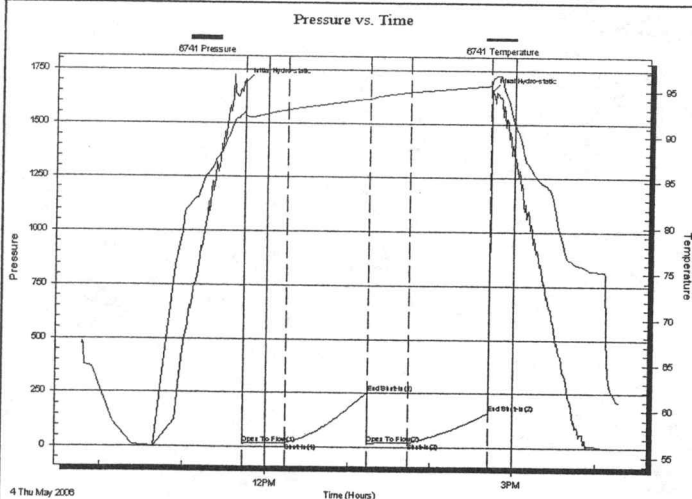
Time On Btm: 2006.05.04 @ 11:43:32

Time Off Btm: 2006.05.04 @ 14:42:47

TEST COMMENT: IF Weak died in 13"

FF No blow

Times 30 60 30 60



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1688.73	92.63	Initial Hydro-static
1	15.51	92.27	Open To Flow (1)
31	18.93	92.85	Shut-In(1)
90	251.52	94.08	End Shut-In(1)
91	20.07	94.01	Open To Flow (2)
120	21.70	94.80	Shut-In(2)
179	161.72	95.60	End Shut-In(2)
180	1654.43	95.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	DM	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co Inc

250 N Water St Ste 300
Wichita KS 67202

ATTN: Scott Robinson

Dinges 1-25

25 14 17 Ellis Ks

Job Ticket: 23062

DST#: 5

Test Start: 2006.05.04 @ 09:46:47

Tool Information

Drill Pipe:	Length: 3235.00 ft	Diameter: 3.80 inches	Volume: 45.38 bbl	Tool Weight: 2000.00 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: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 45000.00 lb
		Total Volume:	46.28 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3417.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	83.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3393.00	
Change Over Sub	1.00			3394.00	
Shut In Tool	5.00			3399.00	
Hydraulic tool	5.00			3404.00	
Safety Joint	3.00			3407.00	
Packer	5.00			3412.00	25.00 Bottom Of Top Packer
Packer	5.00			3417.00	
Stubb	1.00			3418.00	
Perforations	1.00			3419.00	
Change Over Sub	1.00			3420.00	
Recorder	0.00	6741	Inside	3420.00	
Drill Pipe	31.00			3451.00	
Change Over Sub	1.00			3452.00	
Recorder	0.00	13254	Outside	3452.00	
Perforations	20.00			3472.00	
Bullnose	3.00			3475.00	58.00 Bottom Packers & Anchor
Total Tool Length:		83.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc

250 N Water St Ste 300
Wichita KS 67202

ATTN: Scott Robinson

Dinges 1-25

25 14 17 Ellis Ks

Job Ticket: 23062

DST#: 5

Test Start: 2006.05.04 @ 09:46:47

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 8.29 in³

Resistivity: ohm.m

Salinity: 9900.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	DM	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

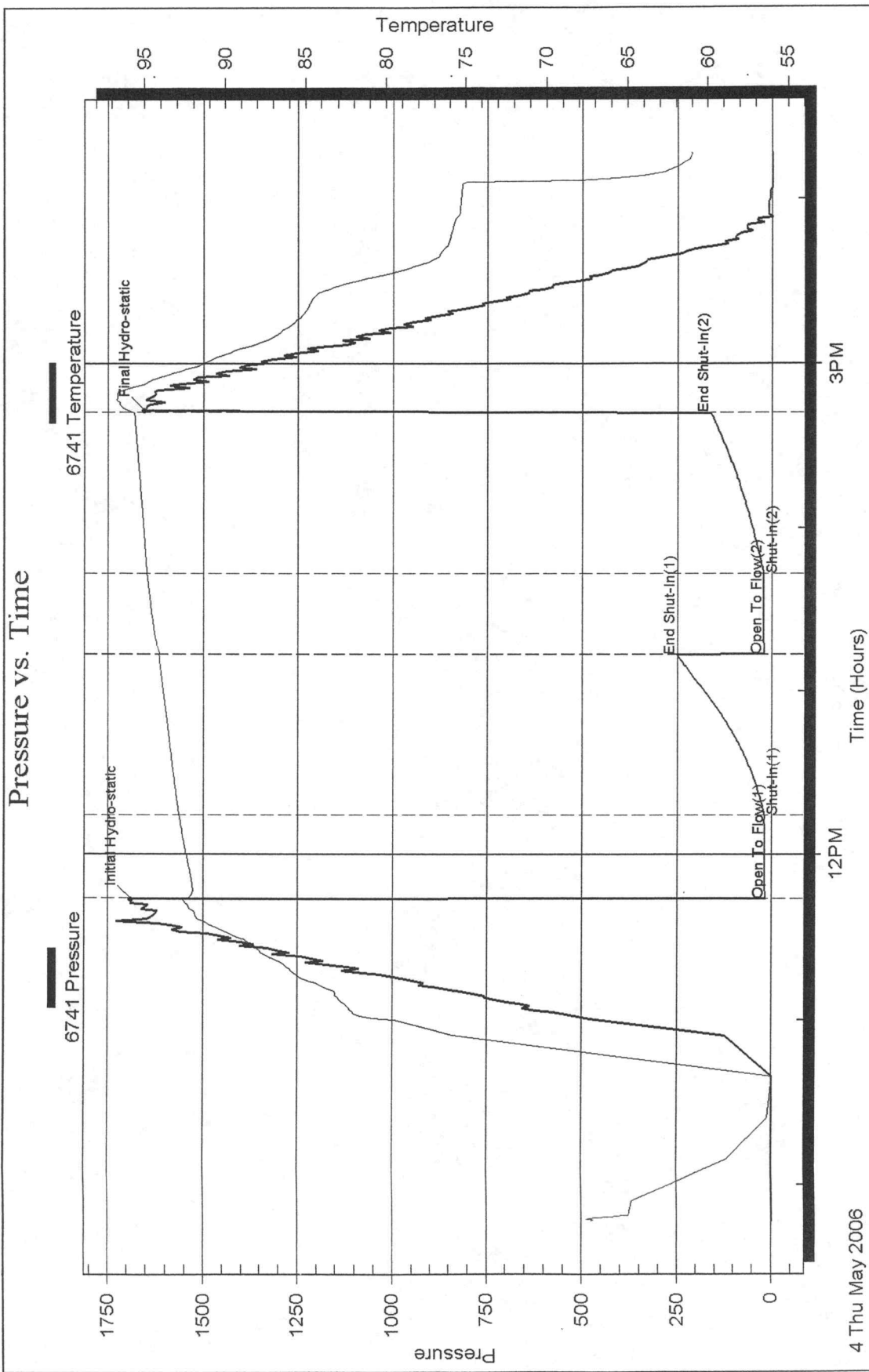
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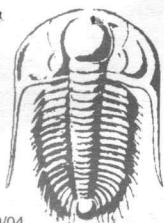
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 22756

Test Ticket

Well Name & No. Dinges 1-25 Test No. 1 Date 5-01-06
 Company MDC Zone Tested Tor LKC - A BC
 Address _____ Elevation 1936 KB 1931 GL _____
 Co. Rep / Geo. Brad Cont. Murfin 8 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 25 Twp. 14 Rge. 17 Co. Ellis State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3145 - 3250 Initial Str Wt./Lbs. 32000 Unseated Str Wt./Lbs. 35000
 Anchor Length 105 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 35000
 Top Packer Depth 3140 Tool Weight 2000
 Bottom Packer Depth 3145 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3250 Wt. Pipe Run 0 Drill Collar Run 183
 Mud Wt. 9.1 LCM 0 Vis. 51 WL 7.6 Drill Pipe Size 4 1/2 Ft. Run 2952
 Blow Description IF - BoFB 6m
ISI - Blow Built to 6" then died after 20m
FF - BoFB 3m
FSI - Blow Built to 8" then died after 20m

Recovery - Total Feet 590 GIP 800 Ft. in DC _____ Ft. in DP _____
 Rec. 380 Feet of Gassy W&M cut Oil 22 %gas 40 %oil 9 %water 9 %mud
 Rec. 60 Feet of Gassy M cut Oil 40 %gas 50 %oil _____ %water 10 %mud
 Rec. 60 Feet of Gassy O. cut Mud 35 %gas 25 %oil _____ %water 40 %mud
 Rec. 90 Feet of Slight Oil cut Mud _____ %gas 5 %oil _____ %water 95 %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 BHT 98° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW .55 @ 73 °F Chlorides 12000 ppm Recovery _____ Chlorides _____ ppm System

AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1540</u> PSI	<u>6741</u>	<u>1000</u>
(B) First Initial Flow Pressure	<u>34</u> PSI	(depth) <u>3146</u>	Jars
(C) First Final Flow Pressure	<u>146</u> PSI	Recorder No. <u>13254</u>	Safety Jt. <u>Ran</u> <u>75</u>
(D) Initial Shut-In Pressure	<u>1034</u> PSI	(depth) <u>3249</u>	Circ Sub
(E) Second Initial Flow Pressure	<u>147</u> PSI	Recorder No. _____	Sampler
(F) Second Final Flow Pressure	<u>253</u> PSI	(depth) _____	Straddle
(G) Final Shut-In Pressure	<u>994</u> PSI	Initial Opening <u>30</u>	Ext. Packer
(Q) Final Hydrostatic Mud	<u>1510</u> PSI	Initial Shut-In <u>45</u>	Shale Packer

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Approved By Brad Pine
 Our Representative Michael Ambrose

Final Flow 45
 Final Shut-In 60
 T-On Location 10:30
 T-Started 12:40
 T-Open 14:40
 T-Pulled 17:40
 T-Out 19:50

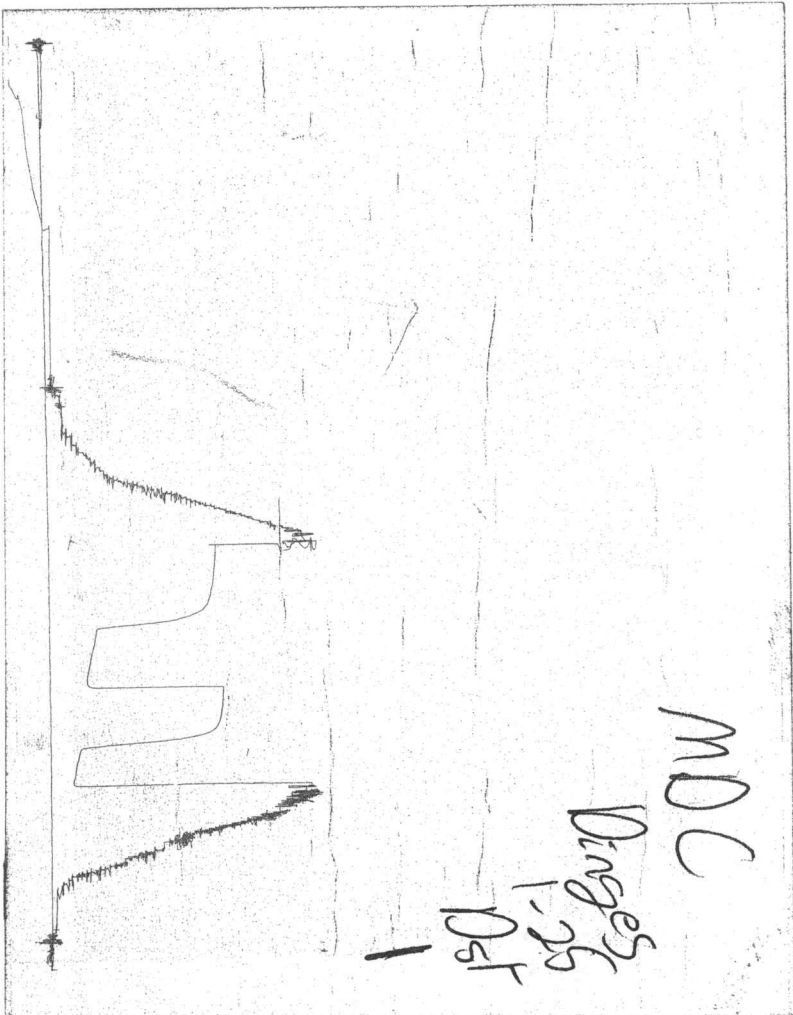
Mileage 26 RT 32.50
 Sub Total: 1107.50
 Std. By 1.5 75.00
 Other _____
 Total: 1182.50

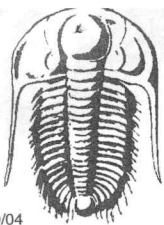
7:50 pm

sent a copy of this to Murfin about 10:00

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 22757

Test Ticket

Well Name & No. MDC Dinges 1-25 Test No. 2 Date 5-02-06
Company MDC Zone Tested LKC-EE
Address _____ Elevation 1934 KB 1931 GL
Co. Rep / Geo. Brad Rine Cont. Muffin 8 Est. Ft. of Pay _____ Por. _____ %
Location: Sec. 25 Twp. 14 Rge. 17 Co. EL State KS
No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3256 - 3278 Initial Str Wt./Lbs. 33,000 Unseated Str Wt./Lbs. 33,000
Anchor Length 22 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 33,000
Top Packer Depth 3251 Tool Weight 2000
Bottom Packer Depth 3256 Hole Size 7 7/8" Rubber Size 6 3/4"
Total Depth 3278 Wt. Pipe Run _____ Drill Collar Run 185
Mud Wt. 9.1 LCM G Vis. 51 WL 7.6 Drill Pipe Size 4 1/2 Ft. Run 3075
Blow Description IF - BoFB 15m
ISI - No Blow
FE BoFB 25m
FSI - No Blow

Recovery - Total Feet 140 GIP 100 Ft. in DC _____ Ft. in DP _____
Rec. 20 Feet of 0.1 cut mud %gas 40 %oil _____ %water 60 %mud _____
Rec. 60 Feet of Mud cut oil %gas 70 %oil _____ %water 30 %mud _____
Rec. 60 Feet of Water & Mud cut 0.1 %gas 60 %oil 10 %water 30 %mud _____
Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
BHT 97 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides _____ ppm System

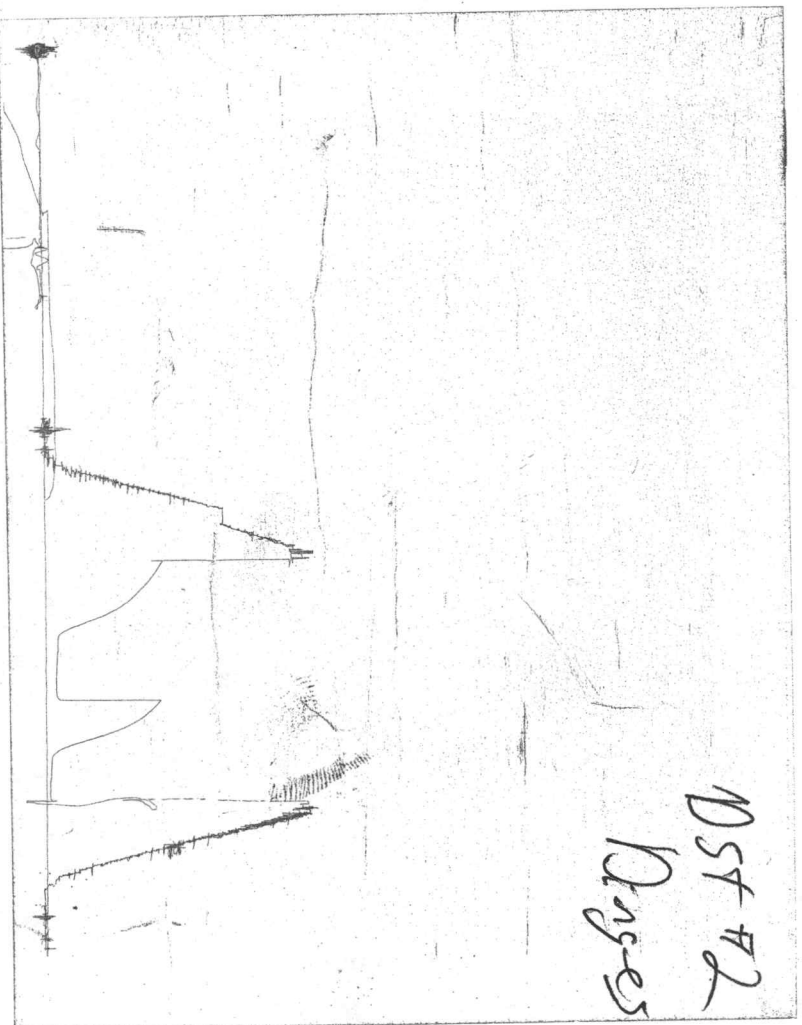
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1582</u> PSI	<u>6741</u>	<u>1000.00</u>
(B) First Initial Flow Pressure		<u>15</u> PSI	(depth) <u>3258</u>	Jars
(C) First Final Flow Pressure		<u>42</u> PSI	Recorder No. <u>13254</u>	Safety <u>1100.00</u>
(D) Initial Shut-In Pressure		<u>732</u> PSI	(depth) <u>3277</u>	Circ Sub
(E) Second Initial Flow Pressure		<u>50</u> PSI	Recorder No. _____	Sampler
(F) Second Final Flow Pressure		<u>73</u> PSI	(depth) _____	Straddle
(G) Final Shut-In Pressure		<u>735</u> PSI	Initial Opening <u>30</u>	Ext. Packer
(Q) Final Hydrostatic Mud		<u>1552</u> PSI	Initial Shut-In <u>45</u>	Shale Packer
			Final Flow <u>45</u>	Ruined Packer
			Final Shut-In <u>60</u>	Mileage <u>24 R 32.50</u>
			T-On Location <u>3:15</u>	Sub Total: <u>1107.50</u>
			T-Started <u>4:17</u>	Std. By _____
			T-Open <u>6:10</u>	Other _____
			T-Pulled <u>9:10</u>	Total: _____
			T-Out <u>10:50</u>	

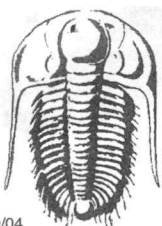
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Approved By Brad Rine
Our Representative Michael Ambrose

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 22758

Test Ticket

Well Name & No. <u>Dinges 1-25</u>	Test No. <u>3</u>	Date <u>5-02-04</u>
Company <u>MDC</u>	Zone Tested <u>LKC - G</u>	
Address _____	Elevation <u>1934</u> KB <u>1931</u> GL	
Co. Rep / Geo. <u>Brad Rine</u>	Cont. <u>Murfin 8</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>25</u> Twp. <u>14</u>	Rge. <u>17</u> Co. <u>Ellis</u>	State <u>Ks</u>
No. of Copies _____	Disbtribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>3279-3298</u>	Initial Str Wt./Lbs. <u>33,000</u>	Unseated Str Wt./Lbs. <u>33,000</u>
Anchor Length <u>19</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>50,000</u>
Top Packer Depth <u>3274</u>	Tool Weight <u>2,000</u>	
Bottom Packer Depth <u>3279</u>	Hole Size <u>7 7/8"</u>	Rubber Size <u>6 3/4"</u>
Total Depth <u>3298</u>	Wt. Pipe Run <u>4 1/2</u>	Drill Collar Run <u>183</u>
Mud Wt. _____ LCM _____ Vis. _____ WL _____	Drill Pipe Size <u>4 1/2</u>	Ft. Run <u>3072</u>
Blow Description <u>IF - Weak surface Blow</u>		
<u>ISF - No Blow</u>		
<u>EF - Weak surface Blow</u>		
<u>FSF - No Blow</u>		

Recovery - Total Feet <u>80</u>	GIP _____	Ft. in DC _____	Ft. in DP _____
Rec. <u>20</u>	Feet of <u>OG M cut W</u>	%gas <u>5</u>	%oil <u>60</u> %water <u>35</u> %mud
Rec. <u>60</u>	Feet of <u>M cut W</u>	%gas _____	%oil <u>85</u> %water <u>15</u> %mud
Rec. _____	Feet of _____	%gas _____	%oil _____ %water _____ %mud
Rec. _____	Feet of _____	%gas _____	%oil _____ %water _____ %mud
Rec. _____	Feet of _____	%gas _____	%oil _____ %water _____ %mud
BHT <u>101</u>	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____ °API
RW <u>.19</u> @ <u>70</u>	°F	Chlorides <u>40,000</u> ppm	Recovery _____ Chlorides _____ ppm System

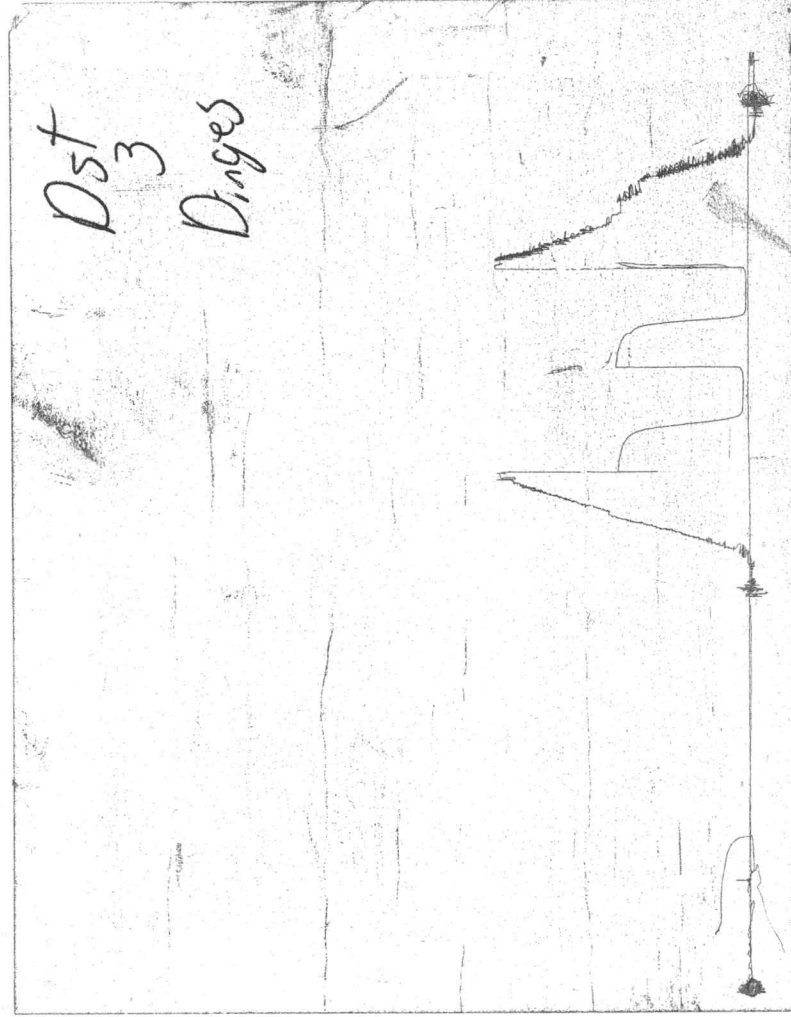
(A) Initial Hydrostatic Mud	AK-1	Alpine	1593	PSI	Recorder No. <u>6741</u>	Test <u>1000.00</u>
(B) First Initial Flow Pressure			13	PSI	(depth) <u>3281</u>	Jars
(C) First Final Flow Pressure			31	PSI	Recorder No. <u>13254</u>	Safety Jt. <u>Ran</u> <u>75.0</u>
(D) Initial Shut-In Pressure			874	PSI	(depth) <u>3297</u>	Circ Sub
(E) Second Initial Flow Pressure			37	PSI	Recorder No. _____	Sampler
(F) Second Final Flow Pressure			51	PSI	(depth) _____	Straddle
(G) Final Shut-In Pressure			860	PSI	Initial Opening <u>30</u>	Ext. Packer
(Q) Final Hydrostatic Mud			1554	PSI	Initial Shut-In <u>45</u>	Shale Packer
					Final Flow <u>30</u>	Ruined Packer
					Final Shut-In <u>45</u>	Mileage <u>26.4</u> <u>32.50</u>
					T-On Location <u>16:00</u>	Sub Total: <u>1107.50</u>
					T-Started <u>17:00</u>	Std. By _____
					T-Open <u>19:35</u>	Other _____
					T-Pulled <u>22:05</u>	Total: _____
					T-Out <u>23:35</u>	

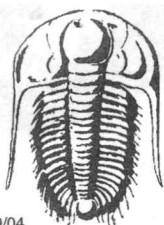
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Approved By Brad Rine
Our Representative Michael Armbrister

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 22759

Test Ticket

Well Name & No. Dinges 1-25 Test No. 4 Date 5-03-06
Company MDC Zone Tested LKC-HIJKL
Address _____ Elevation 1934 KB 1931 GL _____
Co. Rep / Geo. Brad Rine Cont. Murfin 8 Est. Ft. of Pay _____ Por. _____ %
Location: Sec. 25 Twp. 14 Rge. 17 Co. EL State KS
No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3318 - 3422 Initial Str Wt./Lbs. 35000 Unseated Str Wt./Lbs. 35000
Anchor Length 104 Wt. Set Lbs. 20600 Wt. Pulled Loose/Lbs. 35000
Top Packer Depth 3313 Tool Weight 2000
Bottom Packer Depth 3318 Hole Size 7 7/8" Rubber Size 6 3/4"
Total Depth 3422 Wt. Pipe Run _____ Drill Collar Run 183
Mud Wt. 9.2 LCM 49 Vis. 8.4 WL 8.4 Drill Pipe Size 4 1/2 Ft. Run 3142
Blow Description IF - Built to 1/4" after 5m stayed steady
ISI - No Blow
FF - Surface Blow

Recovery - Total Feet 135 GIP _____ Ft. in DC _____ Ft. in DP _____
Rec. 135 Feet of Drilling Mud %gas _____ %oil _____ %water _____ %mud _____
Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
BHT 96 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 9,900 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	1617	PSI	6741	1000.00
(B) First Initial Flow Pressure	15	PSI	3320	
(C) First Final Flow Pressure	42	PSI	13254	
(D) Initial Shut-In Pressure	1089	PSI	3421	
(E) Second Initial Flow Pressure	46	PSI		
(F) Second Final Flow Pressure	78	PSI		
(G) Final Shut-In Pressure	1023	PSI		
(Q) Final Hydrostatic Mud	1589	PSI		

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

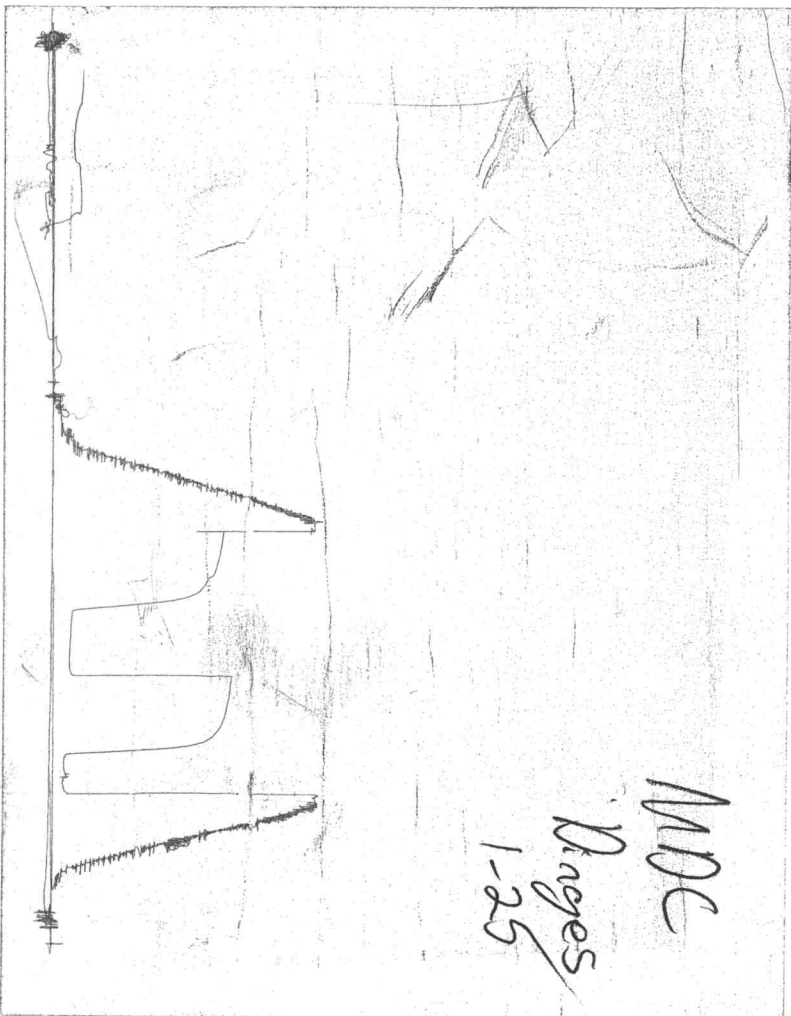
Approved By Brad Rine
Our Representative Michael Ambroster

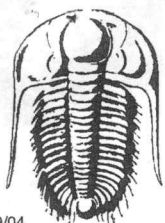
T-On Location 11:45
T-Started 14:12:47
T-Open 14:15
T-Pulled 17:30
T-Out 19:15

Safety Jt. Ren 75
Circ Sub _____
Sampler _____
Straddle _____
Ext. Packer _____
Shale Packer _____
Ruined Packer _____
Mileage 26 RT 32.50
Sub Total: 1107.50
Std. By _____
Other _____
Total: _____

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 23062

9/04

Test Ticket

Well Name & No. <u>Dinges #1-25</u>	Test No. <u>5</u>	Date <u>5-4-06</u>
Company <u>Murfin Drilling Co. Inc</u>	Zone Tested <u>Arbuckle</u>	
Address _____	Elevation <u>1936</u> KB <u>1931</u>	GL _____
Co. Rep / Geo. <u>Brad Rine</u>	Cont. <u>Murfin #8</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>25</u> Twp. <u>14</u> Rge. <u>17</u>	Co. <u>Ellis</u>	State <u>KS</u>
No. of Copies _____	Disbtribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3417 ——— 3475 Initial Str Wt./Lbs. 38,000 Unseated Str Wt./Lbs. 38,000
 Anchor Length 58 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 45,000
 Top Packer Depth 3412 Tool Weight 2200
 Bottom Packer Depth 3417 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3475 Wt. Pipe Run _____ Drill Collar Run 183
 Mud Wt. 9.2 LCM 49 Vis. _____ WL 8.3 Drill Pipe Size 4.5 XH Ft. Run 3235
 Blow Description I.F. Weak- Died in 13 min.

F.F. No blow

Recovery - Total Feet 5 GIP _____ Ft. in DC 5 Ft. in DP _____
 Rec. 5 Feet of DM %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 9.5 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 9900 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1690</u>	PSI	<u>6241</u>	<u>1000.00</u>
(B) First Initial Flow Pressure	<u>15</u>	PSI	<u>3420</u>	Jars _____
(C) First Final Flow Pressure	<u>18</u>	PSI	<u>13254</u>	Safety Jt. <u>X</u> <u>75.00</u>
(D) Initial Shut-In Pressure	<u>251</u>	PSI	<u>3452</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>20</u>	PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>21</u>	PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>161</u>	PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1654</u>	PSI	Initial Shut-In <u>60</u>	Shale Packer _____
			Final Flow <u>30</u>	Ruined Packer _____
			Final Shut-In <u>60</u>	Mileage <u>26</u> <u>32.50</u>
			T-On Location <u>09:00</u>	Sub Total: <u>1107.50</u>
			T-Started <u>09:46</u>	Std. By <u>225 7.12</u>
			T-Open <u>11:43</u>	Other _____
			T-Pulled <u>14:43</u>	Total: _____
			T-Out <u>16:17</u> <u>7.25</u>	

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Approved By Brad Rine

Our Representative Don Bangle

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

