



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co Inc**

250 N Water Ste 300
Wichita KS 67202

ATTN: Dan Blankenau

17-5-29 Decatur KS

Rodney #2-17

Start Date: 2006.03.06 @ 12:45:20

End Date: 2006.03.06 @ 19:50:44

Job Ticket #: 23266 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 Ste 300
Wichita KS 67202

ATTN: Dan Blankenau

Rodney #2-17

17-5-29 Decatur KS

Job Ticket: 23266

DST#: 1

Test Start: 2006.03.06 @ 12:45:20

GENERAL INFORMATION:

Formation: **Toronto-'A-B'**

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

Time Tool Opened: 14:19:15

Time Test Ended: 19:50:44

Test Type: **Conventional Bottom Hole**

Tester: **Shane McBride**

Unit No: **25**

Interval: **3828.00 ft (KB) To 3910.00 ft (KB) (TVD)**

Total Depth: **3910.00 ft (KB) (TVD)**

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

Reference Elevations: **2778.00 ft (KB)**

2773.00 ft (CF)

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

Serial #: 6667

Inside

Press@RunDepth: **162.43 psig @ 3833.00 ft (KB)**

Start Date: **2006.03.06**

End Date: **2006.03.06**

Start Time: **12:45:20**

End Time: **19:17:44**

Capacity: **7000.00 psig**

Last Calib.: **2006.03.06**

Time On Btm: **2006.03.06 @ 14:19:00**

Time Off Btm: **2006.03.06 @ 18:05:29**

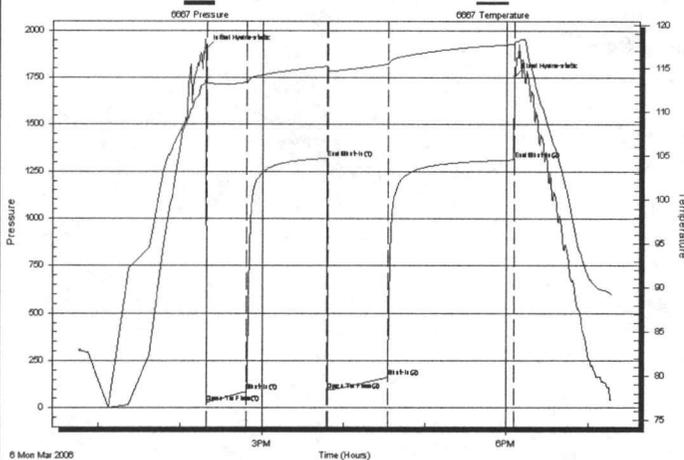
TEST COMMENT: **1/2" in. built to 1 3/3" in.**

No return

Surface blow built to 1 3/4" in.

No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1903.10	113.81	Initial Hydro-static
1	27.24	113.41	Open To Flow (1)
30	87.06	113.41	Shut-In(1)
89	1319.56	115.26	End Shut-In(1)
89	95.65	114.90	Open To Flow (2)
134	162.43	115.51	Shut-In(2)
226	1312.55	117.75	End Shut-In(2)
227	1756.74	117.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	w c m 25w 75m	0.59
180.00	s m c w 15m 85w	0.89

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co Inc

Rodney #2-17

250 N Water Ste 300
Wichita KS 67202

17-5-29 Decatur KS

Job Ticket: 23266

DST#: 1

ATTN: Dan Blankenau

Test Start: 2006.03.06 @ 12:45:20

Tool Information

Drill Pipe:	Length: 3297.00 ft	Diameter: 3.80 inches	Volume: 46.25 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: 528.00 ft	Diameter: 2.25 inches	Volume: 2.60 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 48.85 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	3828.00 ft			Final 81000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	86.00 ft			
Tool Length:	109.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3806.00	
Shut In Tool	5.00			3811.00	
Hydraulic tool	5.00			3816.00	
Jars	5.00			3821.00	
Safety Joint	2.00			3823.00	
Packer	5.00		Fluid	3828.00	23.00 Bottom Of Top Packer
Packer - Shale	4.00			3832.00	
Stubb	1.00			3833.00	
Recorder	0.00	6667	Inside	3833.00	
Perforations	14.00			3847.00	
Change Over Sub	1.00			3848.00	
Drill Pipe	60.00			3908.00	
Change Over Sub	1.00			3909.00	
Recorder	0.00	11058	Inside	3909.00	
Bullnose	5.00			3914.00	86.00 Anchor Tool

Total Tool Length: 109.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc

Rodney #2-17

250 N Water Ste 300
Wichita KS 67202

17-5-29 Decatur KS

Job Ticket: 23266

DST#: 1

ATTN: Dan Blankenau

Test Start: 2006.03.06 @ 12:45:20

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:

62000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.37 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	w c m 25w 75m	0.590
180.00	s m c w 15m 85w	0.885

Total Length: 300.00 ft

Total Volume: 1.475 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw .162@ 52*f = 62000

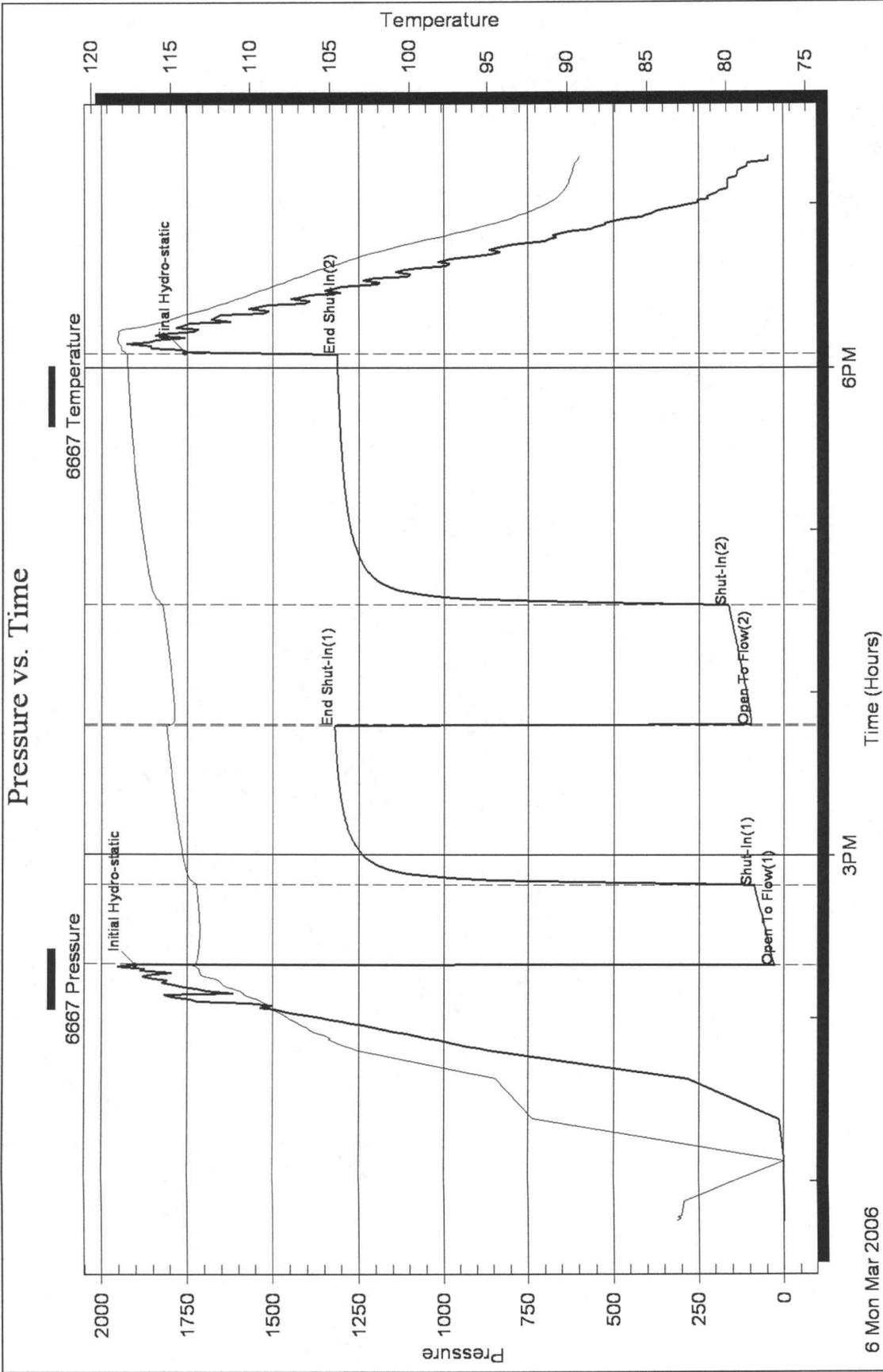
Serial #: 6667

Inside

Murfin Drilling Co Inc

17-5-29 Decatur KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co Inc**

250 N Water Ste 300
Wichita KS 67202

ATTN: Dan Blankenau

17-5-29 Decatur KS

Rodney #2-17

Start Date: 2006.03.07 @ 15:10:21

End Date: 2006.03.07 @ 22:39:30

Job Ticket #: 23267 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Murfin Drilling Co Inc

Rodney #2-17

17-5-29 Decatur KS

DST # 2

'C-F'

2006.03.07



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Dan Blankenau

Rodney #2-17

17-5-29 Decatur KS

Job Ticket: 23267

DST#: 2

Test Start: 2006.03.07 @ 15:10:21

GENERAL INFORMATION:

Formation: 'C-F'

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:04:46

Time Test Ended: 22:39:30

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 25

Interval: 3909.00 ft (KB) To 3955.00 ft (KB) (TVD)

Total Depth: 3955.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2778.00 ft (KB)

2773.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6667

Inside

Press@RunDepth: 137.41 psig @ 3914.00 ft (KB)

Start Date: 2006.03.07

End Date:

2006.03.07

Start Time: 15:10:21

End Time:

22:39:30

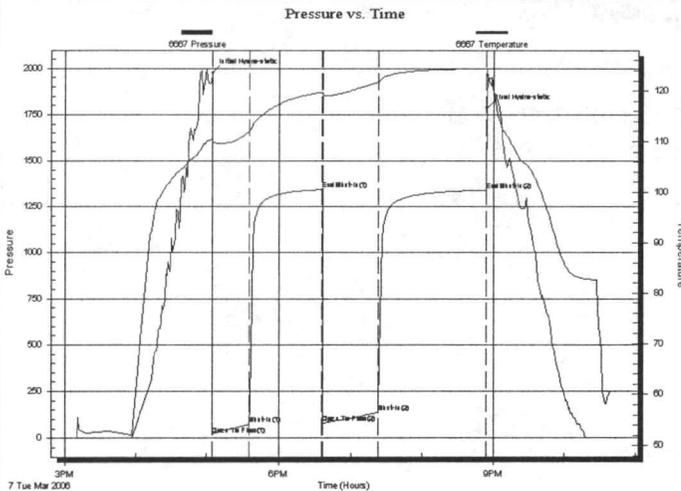
Capacity: 7000.00 psig

Last Calib.: 2006.03.07

Time On Btm: 2006.03.07 @ 17:04:31

Time Off Btm: 2006.03.07 @ 20:54:15

TEST COMMENT: Surface blow built to 1 1/2" in.
No return
Surface blow built to 1 1/2" in.
No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1974.85	110.32	Initial Hydro-static
1	20.17	109.55	Open To Flow (1)
32	74.42	112.14	Shut-In(1)
92	1343.83	119.69	End Shut-In(1)
93	79.93	119.32	Open To Flow (2)
139	137.41	121.69	Shut-In(2)
230	1341.68	124.27	End Shut-In(2)
230	1787.50	124.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	m c w 20m 80w	1.18

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co Inc

Rodney #2-17

250 N Water Ste 300
Wichita KS 67202

17-5-29 Decatur KS

Job Ticket: 23267

DST#: 2

ATTN: Dan Blankenau

Test Start: 2006.03.07 @ 15:10:21

Tool Information

Drill Pipe:	Length: 3388.00 ft	Diameter: 3.80 inches	Volume: 47.52 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: 528.00 ft	Diameter: 2.25 inches	Volume: 2.60 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 50.12 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	3909.00 ft			Final 81000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	73.00 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			3887.00	
Shut In Tool	5.00			3892.00	
Hydraulic tool	5.00			3897.00	
Jars	5.00			3902.00	
Safety Joint	2.00			3904.00	
Packer	5.00		Fluid	3909.00	23.00 Bottom Of Top Packer
Packer - Shale	4.00			3913.00	
Stubb	1.00			3914.00	
Recorder	0.00	6667	Inside	3914.00	
Perforations	7.00			3921.00	
Change Over Sub	1.00			3922.00	
Drill Pipe	31.00			3953.00	
Change Over Sub	1.00			3954.00	
Recorder	0.00	11058	Inside	3954.00	
Bullnose	5.00			3959.00	50.00 Anchor Tool

Total Tool Length: 73.00



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FLUID SUMMARY

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250 N Water Ste 300
Wichita KS 67202

17-5-29 Decatur KS

Job Ticket: 23267

DST#: 2

ATTN: Dan Blankenau

Test Start: 2006.03.07 @ 15:10:21

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:

54000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	m c w 20m 80w	1.180

Total Length: 240.00 ft

Total Volume: 1.180 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw .156 @ 62*f = 54000

Serial #: 6667

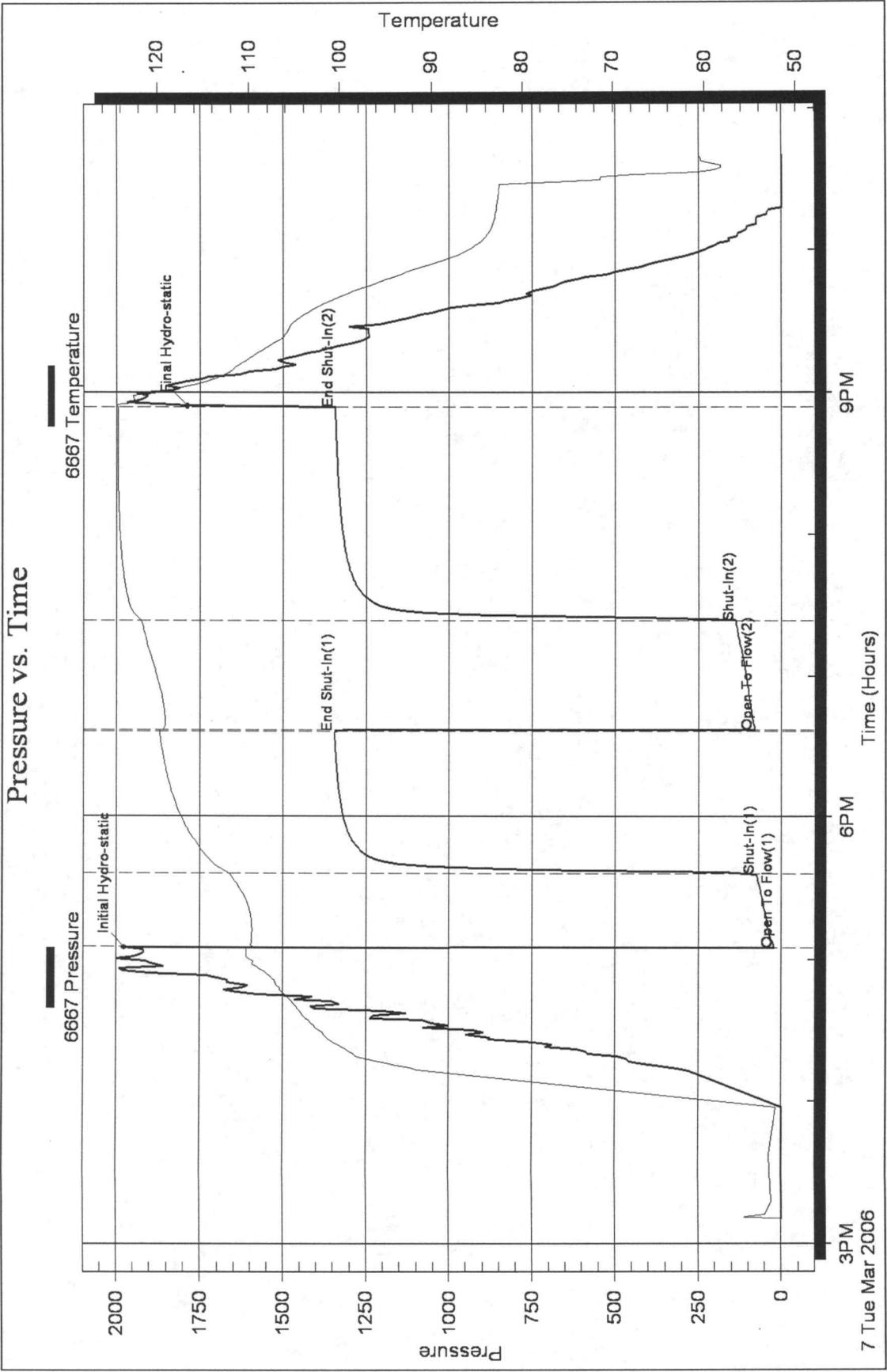
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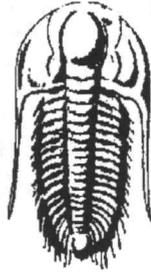
Murfin Drilling Co Inc

17-5-29 Decatur KS

DST Test Number: 2

Pressure vs. Time





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DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co Inc**

250 N Water Ste 300
Wichita KS 67202

ATTN: Dan Blankenau

17-5-29 Decatur KS

Rodney #2-17

Start Date: 2006.03.08 @ 03:05:50

End Date: 2006.03.08 @ 09:52:14

Job Ticket #: 23268 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Murfin Drilling Co Inc

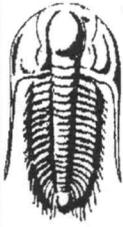
Rodney #2-17

17-5-29 Decatur KS

DST # 3

G-K

2006.03.08



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co Inc

250 N Water Ste 300
Wichita KS 67202

ATTN: Dan Blankenau

Rodney #2-17

17-5-29 Decatur KS

Job Ticket: 23268

DST#: 3

Test Start: 2006.03.08 @ 03:05:50

GENERAL INFORMATION:

Formation: **'G-K'**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: 05:03:45
 Time Test Ended: 09:52:14

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

Interval: **3956.00 ft (KB) To 4070.00 ft (KB) (TVD)**
 Total Depth: **4070.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2778.00 ft (KB)**
2773.00 ft (CF)
 KB to GR/CF: **5.00 ft**

Serial #: 6667

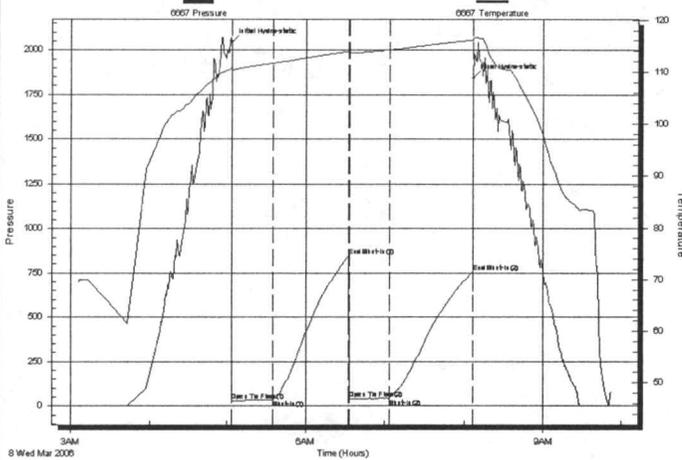
Inside

Press@RunDepth: **41.55 psig @ 3961.00 ft (KB)**
 Start Date: **2006.03.08** End Date: **2006.03.08**
 Start Time: **03:05:50** End Time: **09:52:14**

Capacity: **7000.00 psig**
 Last Calib.: **2006.03.08**
 Time On Btm: **2006.03.08 @ 05:03:15**
 Time Off Btm: **2006.03.08 @ 08:06:44**

TEST COMMENT: **1/2" in. blow died in 28 min.**
No return
No blow
No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2044.53	110.81	Initial Hydro-static
1	28.06	110.40	Open To Flow (1)
32	34.45	111.69	Shut-In(1)
90	843.94	113.93	End Shut-In(1)
90	37.62	113.63	Open To Flow (2)
120	41.55	114.25	Shut-In(2)
183	756.84	116.14	End Shut-In(2)
184	1843.20	116.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud w/oil spots	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co Inc

Rodney #2-17

250 N Water Ste 300
Wichita KS 67202

17-5-29 Decatur KS

Job Ticket: 23268

DST#: 3

ATTN: Dan Blankenau

Test Start: 2006.03.08 @ 03:05:50

Tool Information

Drill Pipe:	Length: 3420.00 ft	Diameter: 3.80 inches	Volume: 47.97 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: 528.00 ft	Diameter: 2.25 inches	Volume: 2.60 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 50.57 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 81000.00 lb
Depth to Top Packer:	3956.00 ft			Final 81000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	118.00 ft			
Tool Length:	141.00 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			3934.00	
Shut In Tool	5.00			3939.00	
Hydraulic tool	5.00			3944.00	
Jars	5.00			3949.00	
Safety Joint	2.00			3951.00	
Packer	5.00		Fluid	3956.00	23.00 Bottom Of Top Packer
Packer - Shale	4.00			3960.00	
Stubb	1.00			3961.00	
Recorder	0.00	6667	Inside	3961.00	
Perforations	13.00			3974.00	
Change Over Sub	1.00			3975.00	
Drill Pipe	93.00			4068.00	
Change Over Sub	1.00			4069.00	
Recorder	0.00	11058	Inside	4069.00	
Bullnose	5.00			4074.00	118.00 Anchor Tool

Total Tool Length: 141.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co Inc

Rodney #2-17

250 N Water Ste 300
Wichita KS 67202

17-5-29 Decatur KS

Job Ticket: 23268

DST#: 3

ATTN: Dan Blankenau

Test Start: 2006.03.08 @ 03:05:50

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:

1000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	mud w/oil spots	0.074

Total Length: 15.00 ft

Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

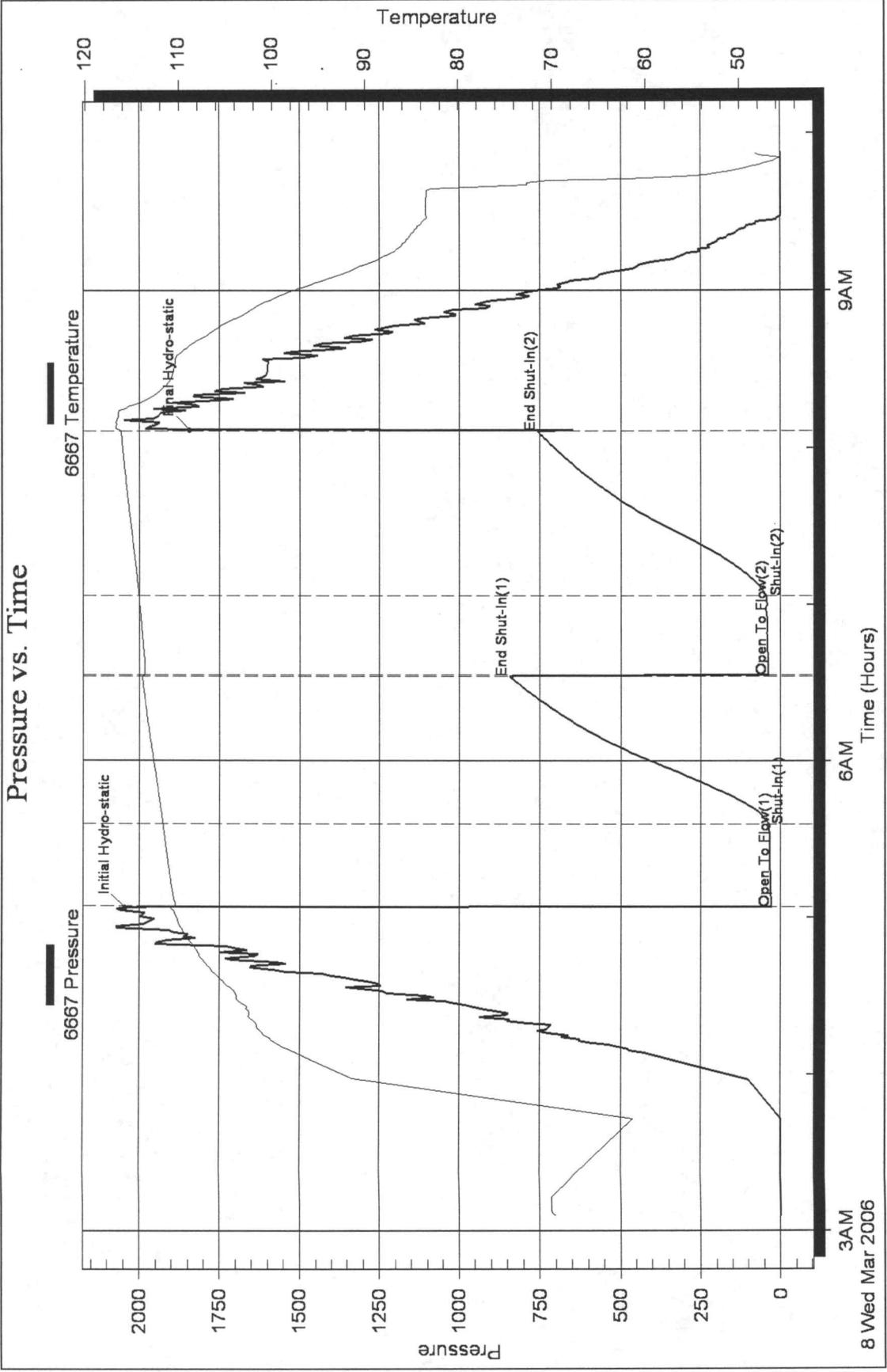
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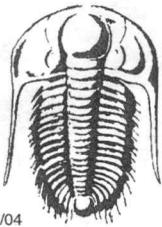
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

8507
No 23266

Test Ticket

Well Name & No. Rodney # 2-17 Test No. # 1 Date 3-6-06
 Company Mulkin Drilling Co Inc. Zone Tested Toronto A-B'
 Address 250 N. Water Suite 300, Wichita, Ks Elevation 2778 KB 2773 GL
 Co. Rep / Geo Dan Blankenau Cont. Mulkin #3 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 17 Twp. 5 Rge. 29 Co. Decatur State Ks
 No. of Copies 3 - Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3828 3910 Initial Str Wt./Lbs. 80,000 Unseated Str Wt./Lbs. 81,000
 Anchor Length _____ 82 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 95,000
 Top Packer Depth _____ 3823 Tool Weight 1500
 Bottom Packer Depth _____ 3828 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth _____ 3910 Wt. Pipe Run _____ Drill Collar Run 528'
 Mud Wt. 8.9 LCM Ti Vis. 48 WL 6.4 Drill Pipe Size 4 1/2 X 4 Ft. Run 3297'
 Blow Description 1/2" in built to 1 3/4" in

No return
Surface blow built to 1 3/4" in.
No return

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>300'</u>	—	<u>300'</u>	—
Rec. <u>120'</u>	Feet of <u>WEM w/oil spots</u>	%gas _____ %oil <u>25</u> %water <u>75</u> %mud _____	
Rec. <u>180'</u>	Feet of <u>SMCW w/oil spots</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 118° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW .162 @ 52 °F Chlorides 62,000 ppm Recovery 62,000 Chlorides 600 ppm System

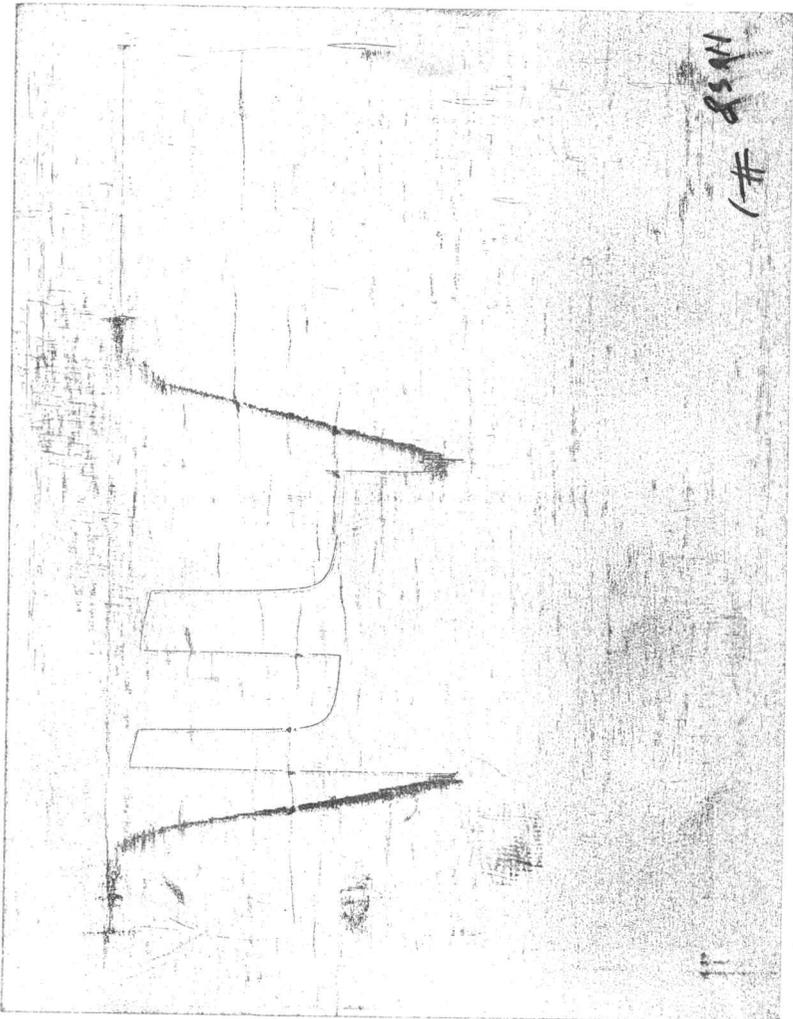
	AK-1	Alpine	Recorder No.	Test X
(A) Initial Hydrostatic Mud	<u>1954</u> PSI	<u>1954</u> PSI	<u>6667</u>	<u>\$ 1000.00</u>
(B) First Initial Flow Pressure	<u>27</u> PSI	<u>27</u> PSI	(depth) <u>3829</u>	Jars <u>\$ 250.00</u>
(C) First Final Flow Pressure	<u>87</u> PSI	<u>87</u> PSI	Recorder No. <u>11058</u>	Safety Jt. <u>Y \$ 75.00</u>
(D) Initial Shut-In Pressure	<u>1319</u> PSI	<u>1319</u> PSI	(depth) <u>3905</u>	Circ Sub <u>X N/C</u>
(E) Second Initial Flow Pressure	<u>95</u> PSI	<u>95</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>162</u> PSI	<u>162</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>1312</u> PSI	<u>1312</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1861</u> PSI	<u>1861</u> PSI	Initial Shut-In _____ <u>60</u>	Shale Packer <u>X \$ 200.00</u>

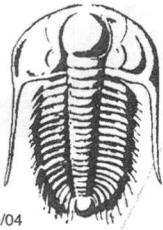
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Final Flow	<u>45</u>	Ruined Packer _____
Final Shut-In	<u>90</u>	Mileage <u>X 20.00 \$ 250.00</u>
T-On Location	<u>11:00 a.m.</u>	Sub Total: <u>\$ 1775.00</u>
T-Started	<u>12:45 p.m.</u>	Std. By/hr <u>\$ 50.00</u>
T-Open	<u>14:15 p.m.</u>	Other _____
T-Pulled	<u>18:00 p.m.</u>	Total: <u>\$ 1825.00</u>
T-Out	<u>19:50 p.m.</u>	

Approved By _____
 Our Representative Shawn McR...

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





TRILOBITE TESTING INC.

No 23267

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Well Name & No. Rodney #2-17 Test No. #2 Date 3-7-06
 Company Mullin Drilling Co Inc Zone Tested LKC 'C-F'
 Address 250 N. Water Suite 300 Wichita, KS Elevation 2778' KB 2773' GL
 Co. Rep / Geo. Dan Blankenau Cont. Mullin #3 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 17 Twp. 5s Rge. 29w Co. Decatur State KS
 No. of Copies Alarm Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3909 3955 Initial Str Wt./Lbs. 80,000 Unseated Str Wt./Lbs. 81,000
 Anchor Length _____ 46 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 85,000
 Top Packer Depth _____ 3904 Tool Weight 1500
 Bottom Packer Depth _____ 3909 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth _____ 3955 Wt. Pipe Run _____ Drill Collar Run 528'
 Mud Wt. 9.1 LCM Ø Vis. 55 WL 6.0 Drill Pipe Size 4 1/2 XH Ft. Run 3388'
 Blow Description Surface blow built to 1/2" in.
No return
Surface blow built to 1/2" in.
No return

Recovery - Total Feet 240' GIP _____ Ft. in DC 240' Ft. in DP _____
 Rec. 240' Feet of MCW %gas _____ %oil 80 %water 20 %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 124' °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API _____
 RW .154 @ 62 °F Chlorides 54,000 ppm Recovery 54,000 Chlorides 1000 ppm System

	AK-1	Alpine	Recorder No.	Test X
(A) Initial Hydrostatic Mud		<u>1974</u> PSI	<u>6667</u>	<u>\$1000.00</u>
(B) First Initial Flow Pressure		<u>20</u> PSI (depth)	<u>3910</u>	<u>\$250.00</u>
(C) First Final Flow Pressure		<u>74</u> PSI (depth)	<u>11058</u>	<u>\$75.00</u>
(D) Initial Shut-In Pressure		<u>1343</u> PSI (depth)	<u>3950</u>	<u>N/A</u>
(E) Second Initial Flow Pressure		<u>79</u> PSI (depth)		
(F) Second Final Flow Pressure		<u>137</u> PSI (depth)		
(G) Final Shut-In Pressure		<u>1341</u> PSI	<u>Initial Opening 30</u>	
(Q) Final Hydrostatic Mud		<u>1951</u> PSI	<u>Initial Shut-In 60</u>	<u>Shale Packer & \$200.00</u>

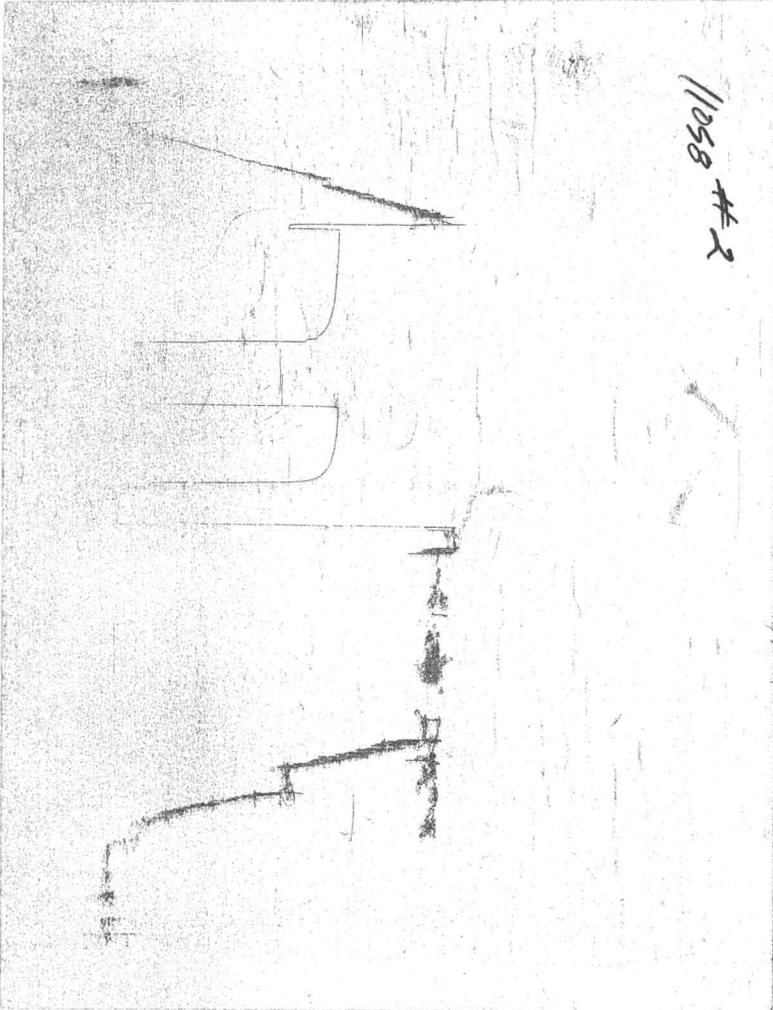
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

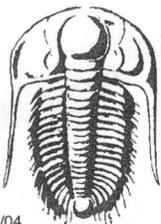
Approved By _____
 Our Representative [Signature]

Final Flow 45 Ruined Packer _____
 Final Shut-In 90 Mileage x 1/4 RT \$57.50
 T-On Location 02:50 A.M. Sub Total: \$1582.00
 T-Started 03:01 A.M. Std. By _____
 T-Open 05:15 A.M. Other _____
 T-Pulled 09:00 A.M. Total: \$1582.00
 T-Out 10:55 A.M.

CHART PAGE

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





TRILOBITE TESTING INC.

No 23268

P.O. Box 362 • Hays, Kansas 67601

9/04

Test Ticket

Well Name & No. Rodney #2-17 Test No. #3 Date 3-8-06
 Company Mulkin Drilling Co Inc. Zone Tested 'G-K'
 Address 250 N. Water Suite 300 Wichita KS Elevation 2778 KB 2773 GL
 Co. Rep / Geo. Dan Blankenau Cont. Mulkin #3 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 17 Twp. 55 Rge. 29W Co. Decatur State KS
 No. of Copies 4/100 Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3956 4070 Initial Str Wt./Lbs. 81,000 Unseated Str Wt/Lbs. 81,000
 Anchor Length _____ 114 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 95,000
 Top Packer Depth _____ 3951 Tool Weight 1500
 Bottom Packer Depth _____ 3956 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth _____ 4070 Wt. Pipe Run _____ Drill Collar Run 528'
 Mud Wt. 9.1 LCM Ø Vis. 56 WL 6.0 Drill Pipe Size 4 1/2 XH Ft. Run 3420'
 Blow Description 1/2" blow died in 28 min
No return
No blow
No return

Recovery - Total Feet 15' GIP _____ Ft. in DC 15' Ft. in DP _____
 Rec. 15' Feet of mud w/ 1 spots %gas spots %oil _____ %water 100 %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 116° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 1000 ppm System

	AK-1	Alpine	Recorder No.	Test Y
(A) Initial Hydrostatic Mud	<u>2044</u>	PSI	<u>6667</u>	<u>\$1100.00</u>
(B) First Initial Flow Pressure	<u>28</u>	PSI	(depth) <u>3957</u>	Jars <u>250.00</u>
(C) First Final Flow Pressure	<u>34</u>	PSI	Recorder No. <u>11058</u>	Safety Jt. <u>75.00</u>
(D) Initial Shut-In Pressure	<u>843</u>	PSI	(depth) <u>4065</u>	Circ Suby <u>N/A</u>
(E) Second Initial Flow Pressure	<u>37</u>	PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>41</u>	PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>756</u>	PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1980</u>	PSI	Initial Shut-In <u>60</u>	Shale Packer <u>200.00</u>
			Final Flow <u>30</u>	Ruined Packer _____
			Final Shut-In <u>60</u>	Mileage <u>50.00</u>
			T-On Location <u>02:10 A.M.</u>	Sub Total: <u>\$1675.00</u>
			T-Started <u>03:05 A.M.</u>	Std. By _____
			T-Open <u>05:00 A.M.</u>	Other <u>_____</u>
			T-Pulled <u>08:00 A.M.</u>	Total: <u>\$1675.00</u>
			T-Out <u>10:00 A.M.</u>	

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Approved By _____

Our Representative [Signature]

CHART PAGE

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

