



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 N Water Ste 300
Wichita KS 67202

ATTN: Paul Gunzelman

7 32 20 Comanche KS

Gene 1-7

Start Date: 2006.11.18 @ 14:27:24

End Date: 2006.11.19 @ 01:15:24

Job Ticket #: 26877

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

250 N Water Ste 300
Wichita KS 67202

ATTN: Paul Gunzelman

Gene 1-7

7 32 20 Comanche KS

Job Ticket: 26877

DST#: 1

Test Start: 2006.11.18 @ 14:27:24

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:27:54

Time Test Ended: 01:15:24

Test Type: Conventional Bottom Hole

Tester: Michael Armbrister

Unit No: 31

Interval: **5135.00 ft (KB) To 5175.00 ft (KB) (TVD)**

Total Depth: 5175.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1944.00 ft (KB)

1934.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8018

Inside

Press@RunDepth: 191.46 psig @ 5137.00 ft (KB)

Start Date: 2006.11.18

End Date:

2006.11.19

Start Time: 14:27:29

End Time:

01:15:24

Capacity: 7000.00 psig

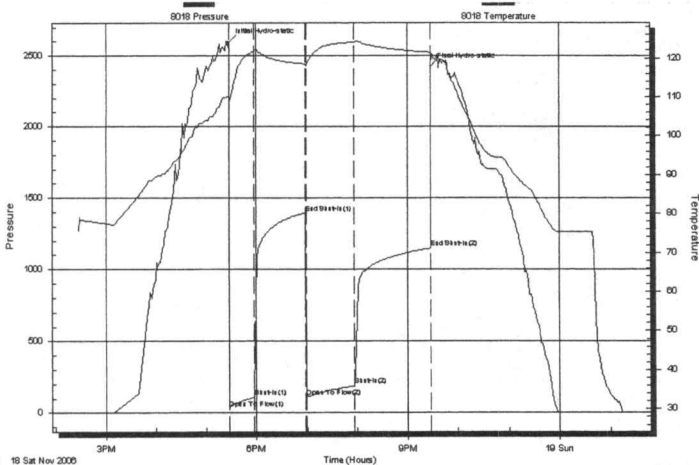
Last Calib.: 2006.11.19

Time On Btm: 2006.11.18 @ 17:27:24

Time Off Btm: 2006.11.18 @ 21:28:23

TEST COMMENT: IF Slow Building 7 " Blow
ISI Dead
FF Slow Building 7 " Blow
FF Dead

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2594.33	110.04	Initial Hydro-static
1	28.35	109.30	Open To Flow (1)
30	108.92	121.86	Shut-In(1)
91	1396.61	118.50	End Shut-In(1)
92	113.17	118.01	Open To Flow (2)
150	191.46	124.09	Shut-In(2)
241	1149.41	121.46	End Shut-In(2)
241	2423.04	121.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
340.00	Slightly Mud Cut SW 3% m 97% w	4.22

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

250 N Water Ste 300
Wichita KS 67202

ATTN: Paul Gunzelman

Gene 1-7

7 32 20 Comanche KS

Job Ticket: 26877

DST#: 1

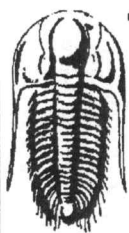
Test Start: 2006.11.18 @ 14:27:24

Tool Information

Drill Pipe:	Length: 5075.00 ft	Diameter: 3.80 inches	Volume: 71.19 bbl	Tool Weight: 20000.00 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: 60.00 ft	Diameter: 2.25 inches	Volume: 0.30 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 71.49 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	5135.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	63.00 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			5113.00	
Shut In Tool	5.00			5118.00	
Hydraulic tool	5.00			5123.00	
Safety Joint	3.00			5126.00	
Packer	4.00			5130.00	23.00 Bottom Of Top Packer
Packer	5.00			5135.00	
Stubb	1.00			5136.00	
Perforations	1.00			5137.00	
Recorder	0.00	8018	Inside	5137.00	
Perforations	35.00			5172.00	
Recorder	0.00	11084	Outside	5172.00	
Bullnose	3.00			5175.00	40.00 Bottom Packers & Anchor

Total Tool Length: 63.00



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FLUID SUMMARY

Murfin Drilling Co

Gene 1-7

250 N Water Ste 300
Wichita KS 67202

7 32 20 Comanche KS

Job Ticket: 26877

DST#: 1

ATTN: Paul Gunzelman

Test Start: 2006.11.18 @ 14:27:24

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: sec/qt

Cushion Volume:

bbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
340.00	Slightly Mud Cut SW 3% _m 97% _w	4.223

Total Length: 340.00 ft

Total Volume: 4.223 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

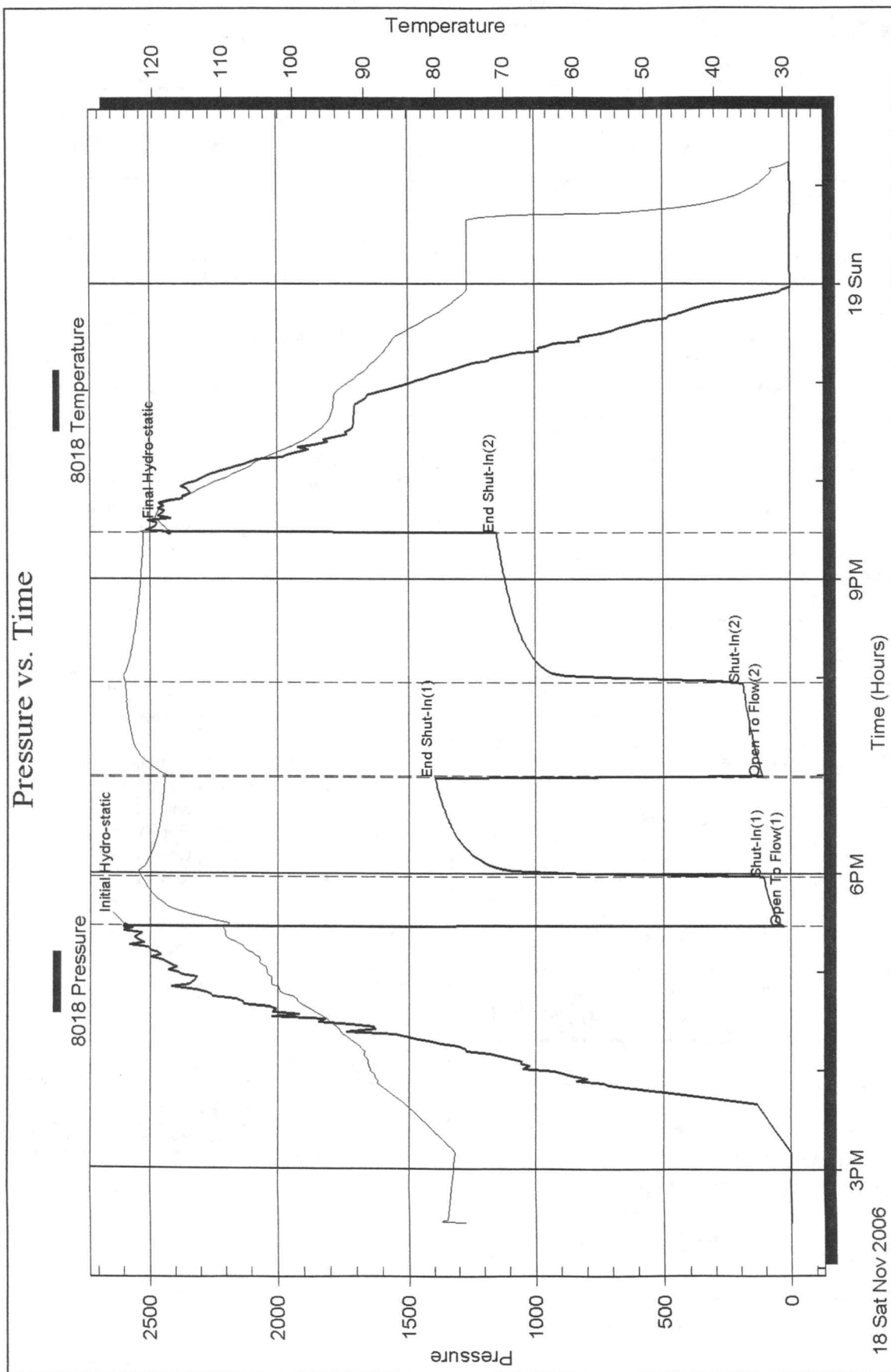
7 32 20 Comanche KS

Murfin Drilling Co

Inside

Serial #: 8018

Pressure vs. Time



Ref. No: 26877

Trilobite Testing, Inc

Printed: 2006.11.27 @ 11:44:16 Page 5



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co

250 N Water Ste 300
Wichita KS 67202

ATTN: Paul Gunzelman

Gene 1-7

7 32 20 Comanche KS

Job Ticket: 26878

DST#: 2

Test Start: 2006.11.19 @ 14:30:43

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:48:13

Time Test Ended: 02:02:13

Test Type: Conventional Bottom Hole

Tester: Michael Armbrister

Unit No: 31

Interval: **5213.00 ft (KB) To 5225.00 ft (KB) (TVD)**

Total Depth: 5225.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1944.00 ft (KB)

1934.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8018

Inside

Press@RunDepth: 160.82 psig @ 5215.00 ft (KB)

Start Date: 2006.11.19

End Date:

2006.11.20

Start Time: 14:30:48

End Time:

02:02:13

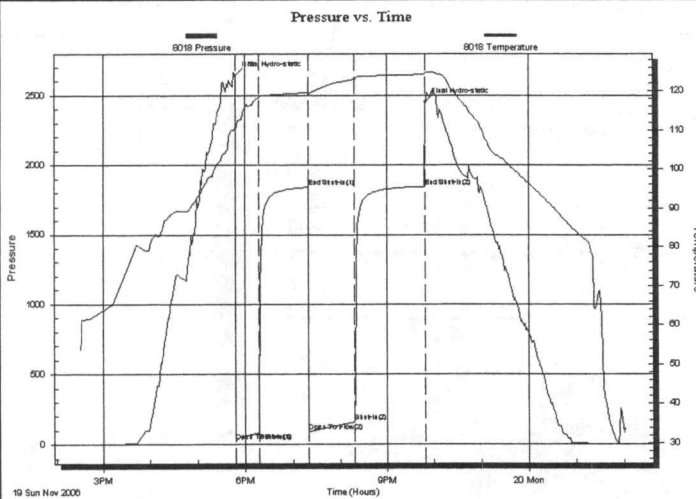
Capacity: 7000.00 psig

Last Calib.: 2006.11.20

Time On Btm: 2006.11.19 @ 17:47:43

Time Off Btm: 2006.11.19 @ 21:48:42

TEST COMMENT: IF Slow building 6" Blow
ISI Dead
FF Slow building 6" Blow
FSI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2644.35	110.60	Initial Hydro-static
1	23.65	110.03	Open To Flow (1)
30	85.14	118.20	Shut-In(1)
92	1840.30	119.59	End Shut-In(1)
92	92.99	118.68	Open To Flow (2)
151	160.82	122.96	Shut-In(2)
241	1844.25	124.16	End Shut-In(2)
241	2450.99	124.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
260.00	Salt Water	3.10

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co

250 N Water Ste 300
Wichita KS 67202

ATTN: Paul Gunzelman

Gene 1-7

7 32 20 Comanche KS

Job Ticket: 26878

DST#: 2

Test Start: 2006.11.19 @ 14:30:43

Tool Information

Drill Pipe:	Length: 5138.00 ft	Diameter: 3.80 inches	Volume: 72.07 bbl	Tool Weight:	20000.00 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: 60.00 ft	Diameter: 2.25 inches	Volume: 0.30 bbl	Weight to Pull Loose:	60000.00 lb
		Total Volume:	72.37 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	5213.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	12.00 ft				
Tool Length:	35.00 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			5191.00	
Shut In Tool	5.00			5196.00	
Hydraulic tool	5.00			5201.00	
Safety Joint	3.00			5204.00	
Packer	4.00			5208.00	23.00 Bottom Of Top Packer
Packer	5.00			5213.00	
Stubb	1.00			5214.00	
Perforations	1.00			5215.00	
Recorder	0.00	8018	Inside	5215.00	
Perforations	7.00			5222.00	
Recorder	0.00	11084	Outside	5222.00	
Bullnose	3.00			5225.00	12.00 Bottom Packers & Anchor

Total Tool Length: 35.00



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FLUID SUMMARY

Murfin Drilling Co

Gene 1-7

250 N Water Ste 300
Wichita KS 67202

7 32 20 Comanche KS

Job Ticket: 26878

DST#: 2

ATTN: Paul Gunzelman

Test Start: 2006.11.19 @ 14:30:43

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: sec/qt

Cushion Volume:

bbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
260.00	Salt Water	3.101

Total Length: 260.00 ft

Total Volume: 3.101 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

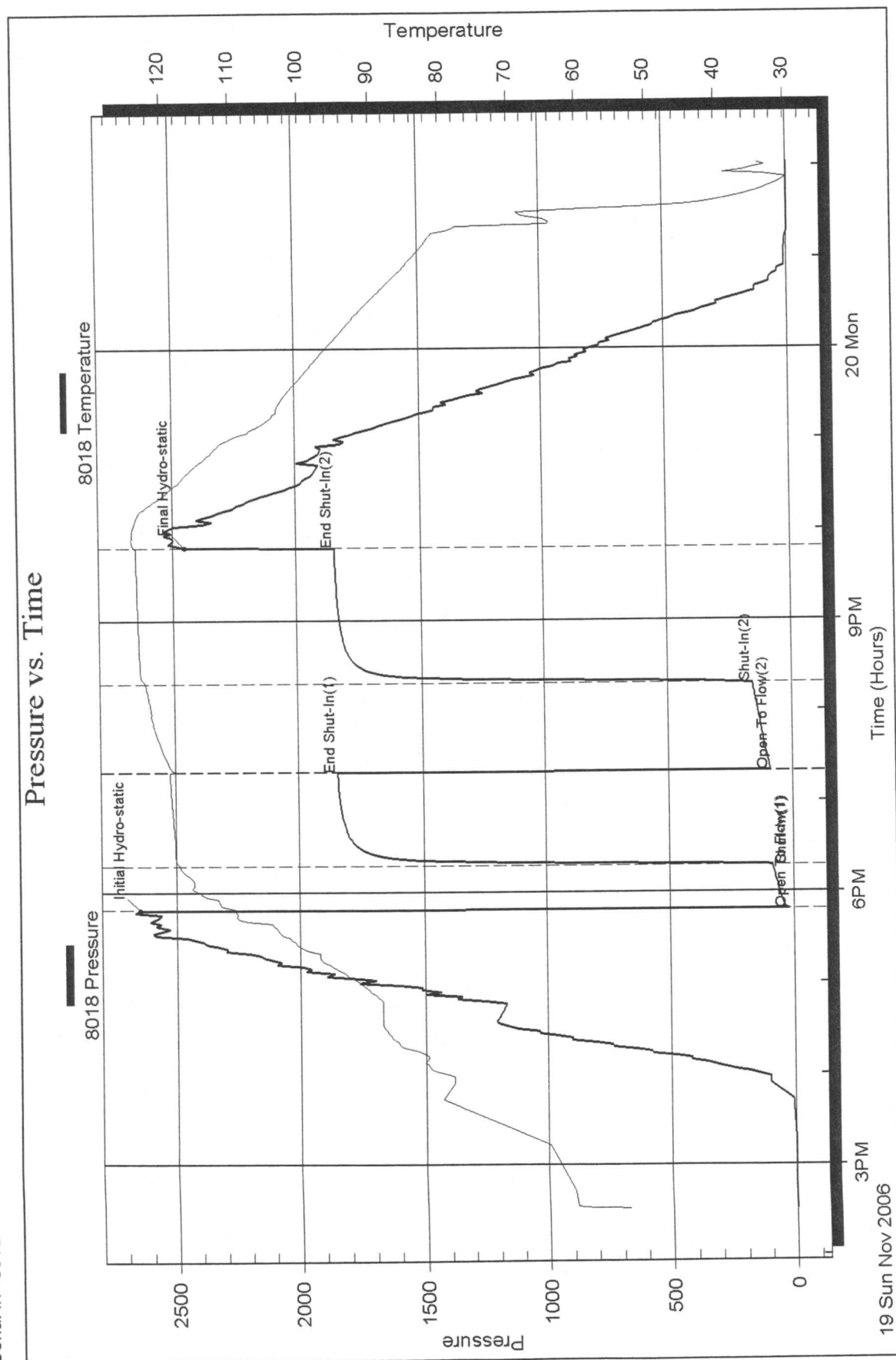
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 N Water Ste 300
Wichita KS 67202

ATTN: Paul Gunzelman

7 32 20 Comanche KS

Gene 1-7

Start Date: 2006.11.21 @ 03:02:41

End Date: 2006.11.21 @ 16:38:11

Job Ticket #: 25516 DST #: 3

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

250 N Water Ste 300
Wichita KS 67202

ATTN: Paul Gunzelman

Gene 1-7

7 32 20 Comanche KS

Job Ticket: 25516

DST#: 3

Test Start: 2006.11.21 @ 03:02:41

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:10:41

Time Test Ended: 16:38:11

Test Type: Conventional Straddle

Tester: Leal Cason

Unit No: 19

Interval: **5166.00 ft (KB) To 5210.00 ft (KB) (TVD)**

Total Depth: 5380.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1944.00 ft (KB)

1934.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6752

Inside

Press@RunDepth: 1707.55 psig @ 5171.00 ft (KB)

Start Date: 2006.11.21

End Date:

2006.11.21

Capacity: 7000.00 psig

Last Calib.: 2006.11.21

Start Time: 03:02:46

End Time:

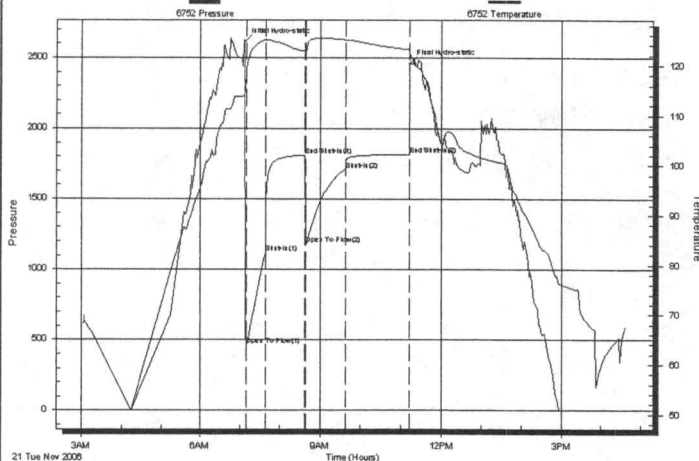
16:38:11

Time On Btm: 2006.11.21 @ 07:07:41

Time Off Btm: 2006.11.21 @ 11:13:10

TEST COMMENT: IF Strong Blow BOB in 40 seconds
ISI Bled off Blow back built to BOB in 30 minutes
FF BOB in 20 seconds GTS in 2 minutes
FSI Bled off Blow back built to BOB in 8 minutes

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2610.59	113.86	Initial Hydro-static
3	464.08	119.46	Open To Flow (1)
31	1118.73	125.09	Shut-In(1)
91	1811.15	122.79	End Shut-In(1)
92	1177.73	122.48	Open To Flow (2)
151	1707.55	125.13	Shut-In(2)
245	1817.95	123.21	End Shut-In(2)
246	2457.63	122.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
400.00	MCOW 2%M 26%O 72%W	5.06
1360.00	Muddy Water -1%M +99%W	19.08
2127.00	GSY OCMW 20%G 20%O 26%M 34%W	29.84
0.00	GIP AAFP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	3.00	6.51
Last Gas Rate	0.13	15.00	11.00
Max. Gas Rate	0.13	15.00	11.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co

250 N Water Ste 300
Wichita KS 67202

ATTN: Paul Gunzelman

Gene 1-7

7 32 20 Comanche KS

Job Ticket: 25516

DST#: 3

Test Start: 2006.11.21 @ 03:02:41

Tool Information

Drill Pipe:	Length: 5112.00 ft	Diameter: 3.80 inches	Volume: 71.71 bbl	Tool Weight: 2100.00 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: 60.00 ft	Diameter: 2.25 inches	Volume: 0.30 bbl	Weight to Pull Loose: 82000.00 lb
		Total Volume:	72.01 bbl	Tool Chased ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	5166.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	5210.00 ft			
Interval between Packers:	44.00 ft			
Tool Length:	237.00 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			5148.00	
Shut In Tool	5.00			5153.00	
Hydraulic tool	5.00			5158.00	
Safety Joint	3.00			5161.00	
Packer	5.00			5166.00	19.00 Bottom Of Top Packer
Packer - Shale	4.00			5170.00	
Stubb	1.00			5171.00	
Recorder	0.00	6752	Inside	5171.00	
Perforations	3.00			5174.00	
Drill Pipe	32.00			5206.00	
Perforations	3.00			5209.00	
Recorder	0.00	6704	Outside	5209.00	
Blank Off Sub	1.00			5210.00	44.00 Tool Interval
Packer	4.00			5214.00	
Stubb	1.00			5215.00	
Change Over Sub	0.50			5215.50	
Drill Pipe	160.00			5375.50	
Change Over Sub	0.50			5376.00	
Perforations	5.00			5381.00	
Recorder	0.00	13255	Below	5381.00	
Bullnose	3.00			5384.00	174.00 Bottom Packers & Anchor
Total Tool Length:		237.00			



TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co

Gene 1-7

250 N Water Ste 300
Wichita KS 67202

7 32 20 Comanche KS

Job Ticket: 25516

DST#: 3

ATTN: Paul Gunzelman

Test Start: 2006.11.21 @ 03:02:41

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:

4400 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 0.03 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
400.00	MCOW 2%M 26%O 72%W	5.064
1360.00	Muddy Water -1%M +99%W	19.077
2127.00	GSY OCMMV 20%G 20%O 26%M 34%W	29.836
0.00	GIP AAFP	0.000

Total Length: 3887.00 ft

Total Volume: 53.977 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Murfin Drilling Co

Gene 1-7

250 N Water Ste 300
Wichita KS 67202

7 32 20 Comanche KS

Job Ticket: 25516

DST#: 3

ATTN: Paul Gunzelman

Test Start: 2006.11.21 @ 03:02:41

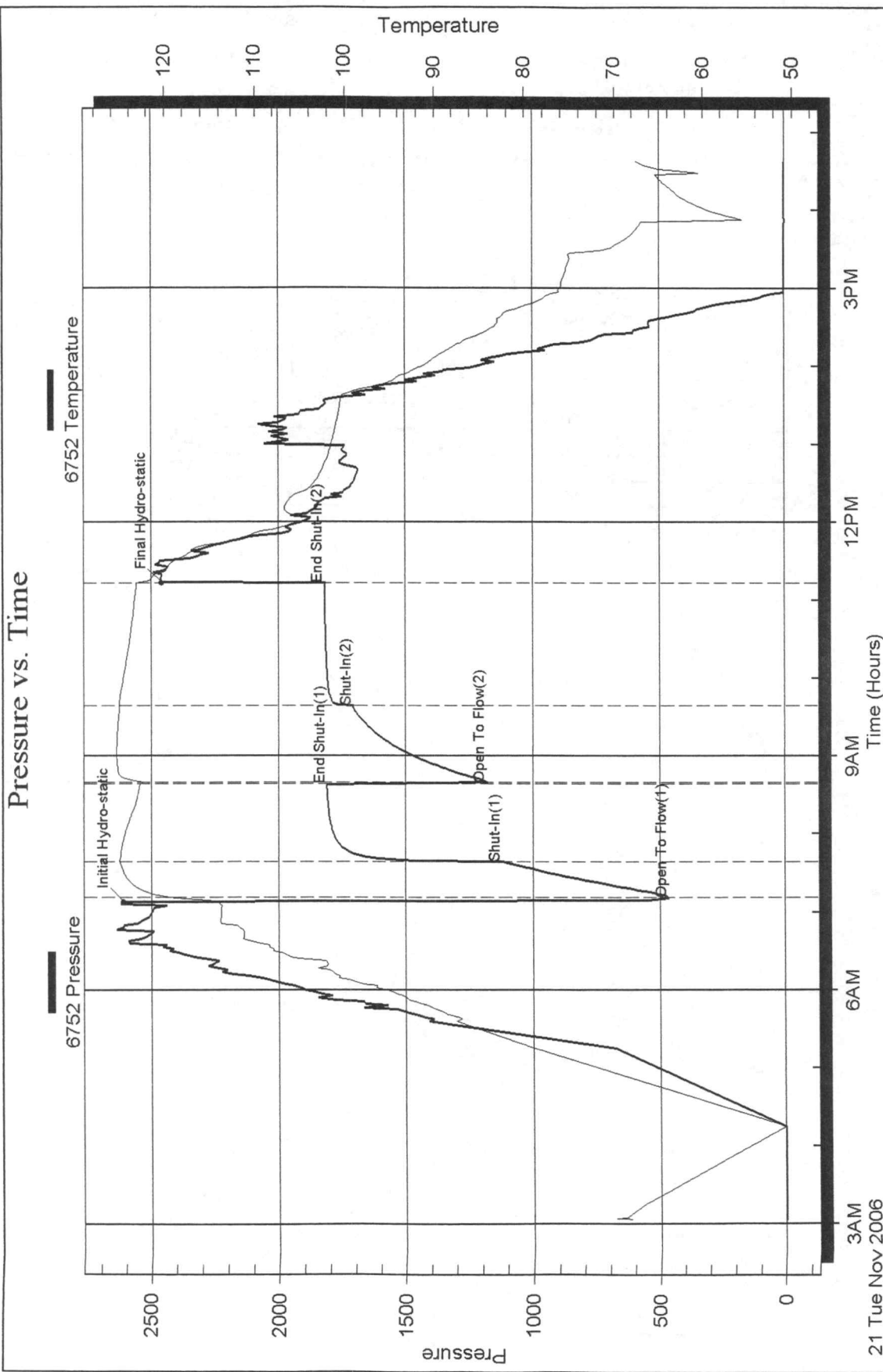
Gas Rates Information

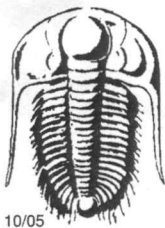
Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m³/d)
2	10	0.13	3.00	6.51
2	10	0.13	3.00	6.51
2	20	0.13	8.00	8.38
2	30	0.13	11.00	9.51
2	40	0.13	13.00	10.26
2	50	0.13	15.00	11.00

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26877

9551

Test Ticket

Well Name & No. Gene 1-7 Test No. 1 Date 11-18-07
 Company Murfin Drilling Co Zone Tested Marrow
 Address _____ Elevation 1944 KB 1934 GL
 Co. Rep / Geo. Paul Gunzelman Rig Murfin 2
 Location: Sec. 327 Twp. 3220 Rge. 20 Co. Comanche State KS
 Comment: _____ Release date / time: _____

Interval Tested 5135 - 5175 Initial Str Wt./Lbs. 60,000 Unseated Str Wt./Lbs. 61,000
 Anchor Length 40 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 65,000
 Top Packer Depth 5130 Tool Weight 2,000
 Bottom Packer Depth 5135 Hole Size 7 7/8" _____ Rubber Size 6 3/4" _____
 Total Depth 5175 Wt. Pipe Run _____ Drill Collar Run 60
 Mud Wt. _____ LCM _____ Vis. _____ WL _____ Drill Pipe Size 4 1/2 Ft. Run 5075
 Blow Description IF - Slow Building 7" Blow
ISI - Dead
FF - Slow Building 7" Blow
FST - Dead

Recovery - Total Feet 340 GIP _____ Ft. in DC 60 Ft. in DP 280
 Rec. 340 Feet of Slightly mud cut SW %gas _____ %oil 97 %water 3 %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 121 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW 237 @ 34 °F Chlorides 20,000 ppm Recovery _____ Chlorides _____ ppm System

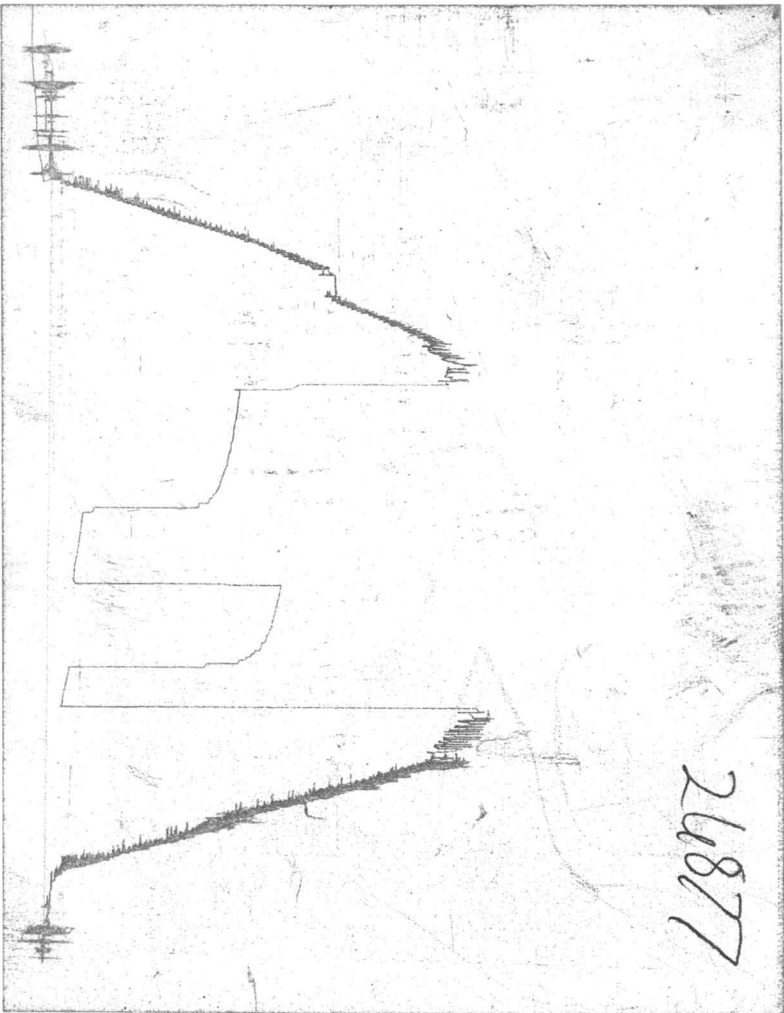
(A) Initial Hydrostatic Mud	AK-1	Alpine	Recorder No.	<u>8018</u>	<u>Test</u> <u>Ran</u> <u>1300</u>
(B) First Initial Flow Pressure		<u>2594</u> PSI	(depth)	<u>5142</u>	Jars
(C) First Final Flow Pressure		<u>28</u> PSI	Recorder No.	<u>11084</u>	<u>Safety Jt</u> <u>Ran</u> <u>75</u>
(D) Initial Shut-In Pressure		<u>109</u> PSI	(depth)	<u>5174</u>	Circ Sub
(E) Second Initial Flow Pressure		<u>1397</u> PSI	Recorder No.		Sampler
(F) Second Final Flow Pressure		<u>113</u> PSI	(depth)		Straddle
(G) Final Shut-In Pressure		<u>191</u> PSI	Initial Opening	<u>30</u>	Ext. Packer
(Q) Final Hydrostatic Mud		<u>1149</u> PSI	Initial Shut-In	<u>60</u>	Shale Packer
		<u>2520</u> PSI	Final Flow	<u>60</u>	Ruined Packer
			Final Shut-In	<u>90</u>	Mileage <u>160</u> <u>200</u>
			T-On Location	<u>13:30</u>	Sub Total:
			T-Started	<u>14:27</u>	Std. By <u>1.5</u> <u>150</u>
			T-Open	<u>17:25</u>	Acc. Chg:
			T-Pulled	<u>21:25</u>	Other: <u>\$1725</u>
			T-Out	<u>1:02</u>	Total: <u>✓</u>

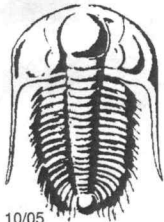
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

Approved By _____
 Our Representative Michael Ambroster

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26878

Test Ticket

Well Name & No. Gene 1-7 Test No. 2 Date 11-19-06
 Company MDC Zone Tested Morrow
 Address _____ Elevation 1944 KB 1934 GL _____
 Co. Rep / Geo. Paul Gunzelman Rig Martin 2
 Location: Sec. 7 Twp. 32 Rge. 20 Co. Comanche State KS
 Comment: _____ Release date / time: _____

Interval Tested 5213-5225 Initial Str Wt./Lbs. 60,000 Unseated Str Wt./Lbs. 60,000
 Anchor Length 12 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 60,000
 Top Packer Depth 5208 Tool Weight 2,000
 Bottom Packer Depth 5213 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 5225 Wt. Pipe Run _____ Drill Collar Run 60
 Mud Wt. _____ LCM _____ Vis. _____ WL _____ Drill Pipe Size 4 1/2 Ft. Run 5138

Blow Description IF-Slow building 6" Blow
ISI-Dead
FF-Slow building 6" Blow
FSI-Dead

Recovery - Total Feet 260 GIP _____ Ft. in DC 60 Ft. in DP 200
 Rec. 260 Feet of Salt Water %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 124 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW 194 @ 36 °F Chlorides 80,000 ppm Recovery _____ Chlorides _____ ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	2652	PSI	Recorder No.	8018	Test	1300
(B) First Initial Flow Pressure			24	PSI	(depth)	5215	Jars	
(C) First Final Flow Pressure			85	PSI	Recorder No.	11084	Safety Jt.	Ran 75
(D) Initial Shut-In Pressure			1840	PSI	(depth)	5224	Circ Sub	
(E) Second Initial Flow Pressure			93	PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure			161	PSI	(depth)		Straddle	
(G) Final Shut-In Pressure			1844	PSI	Initial Opening	30	Ext. Packer	
(Q) Final Hydrostatic Mud			2476	PSI	Initial Shut-In	60	Shale Packer	
					Final Flow	60	Ruined Packer	
					Final Shut-In	90	Mileage	24 total / 30
					T-On Location	13:30	Sub Total:	
					T-Started	14:30	Std. By	2hr 200
					T-Open	17:45	Acc. Chg:	
					T-Pulled	21:45	Other:	\$1605
					T-Out	1:30	Total:	

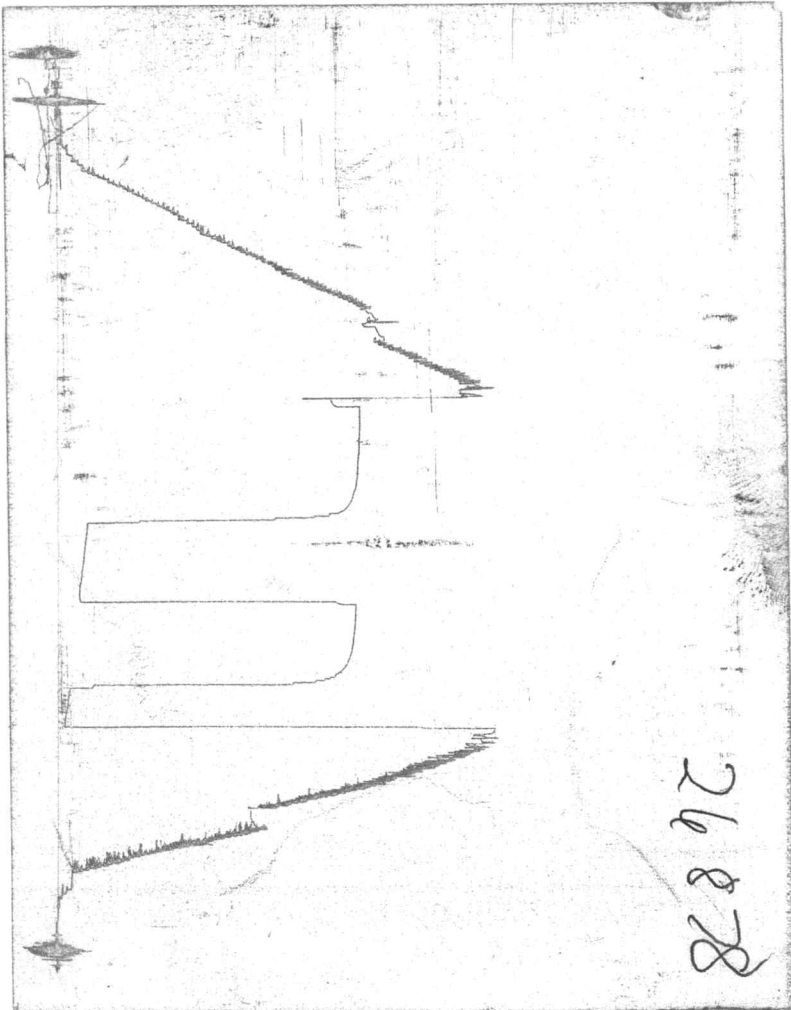
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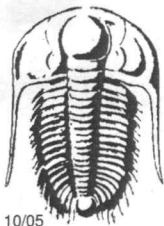
Approved By _____
 Our Representative Michael Ambriester

CHART PAGE

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

26828





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25516

10/05

Test Ticket

Well Name & No. <u>Gene 1-7</u>	Test No. <u>3</u>	Date <u>11-21-06</u>
Company <u>Murfin Drilling Co.</u>	Zone Tested <u>Morrow</u>	
Address <u>250 N. Water St 300 Wichita, KS 67202</u>	Elevation <u>1944</u> KB <u>1934</u>	GL
Co. Rep / Geo. <u>Paul Gunzelman</u>	Rig <u>Murfin rig #2</u>	
Location: Sec. <u>7</u> Twp. <u>32</u> Rge. <u>20</u>	Co. <u>Comanche</u>	State <u>KS</u>
Comment: _____		Release date / time: _____

Interval Tested <u>5166 - 5210</u>	Initial Str Wt./Lbs. <u>62000</u>	Unseated Str Wt./Lbs. <u>80,000</u>
Anchor Length <u>44</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>82000</u>
Top Packer Depth <u>5166</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>5210</u>	Hole Size 7 7/8" <u>✓</u>	Rubber Size 6 3/4" <u>✓</u>
Total Depth <u>5380</u>	Wt. Pipe Run _____	Drill Collar Run <u>80'</u>
Mud Wt. <u>9.3</u> LCM <u>3#</u> Vis. <u>60</u> WL <u>8.6</u>	Drill Pipe Size <u>4 1/2</u>	Ft. Run <u>5112</u>

Blow Description IF: Strong blow, BOB in 40 seconds

ISI: Bled off, Blowback built to BOB in 30 minutes

FF: BOB in 20 seconds, GTS in 2 minutes

FSI: Bled off, Blowback built to BOB in 8 minutes

Recovery - Total Feet <u>3887</u>	GIP <u>AEFP</u>	Ft. in DC <u>60'</u>	Ft. in DP <u>3827</u>
Rec. <u>400</u> Feet of <u>MCOW</u>	%gas <u>26</u> %oil <u>72</u> %water <u>2</u> %mud		
Rec. <u>1360</u> Feet of <u>Muddy water</u>	%gas _____ %oil <u>99</u> %water <u>-1</u> %mud		
Rec. <u>2127</u> Feet of <u>Gsr OCNW</u>	<u>20</u> %gas <u>20</u> %oil <u>34</u> %water <u>26</u> %mud		
Rec. _____ Feet of _____	%gas _____ %oil _____ %water _____ %mud		
Rec. _____ Feet of _____	%gas _____ %oil _____ %water _____ %mud		
BHT <u>123</u> °F Gravity <u>N/C</u> °API D @ <u>N/C</u>	°F Corrected Gravity <u>N/C</u> °API		
RW <u>1.7</u> @ <u>65</u> °F	Chlorides <u>4400</u> ppm Recovery _____	Chlorides <u>5600</u> ppm System	

(A) Initial Hydrostatic Mud <u>2641</u> PSI	Recorder No. <u>6752</u>	Test <u>✓</u> <u>1300</u>
(B) First Initial Flow Pressure <u>464</u> PSI	(depth) <u>5171</u>	Jars _____
(C) First Final Flow Pressure <u>1119</u> PSI	Recorder No. <u>6704</u>	Safety Jt. <u>✓</u> <u>75</u>
(D) Initial Shut-In Pressure <u>1811</u> PSI	(depth) <u>5209</u>	Circ Sub _____
(E) Second Initial Flow Pressure <u>1177</u> PSI	Recorder No. <u>13255</u>	Sampler _____
(F) Second Final Flow Pressure <u>1707</u> PSI	(depth) <u>5377</u>	Straddle <u>✓</u> <u>600</u>
(G) Final Shut-In Pressure <u>1818</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud <u>2560</u> PSI	Initial Shut-In <u>60</u>	Shale Packer <u>✓</u> <u>200</u>

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Approved By Paul Gunzelman

Our Representative Paul Gunzelman

Final Flow <u>60</u>	T-Started <u>0302</u>	Std. By <u>5</u> <u>500</u>
Final Shut-In <u>90</u>	T-Open <u>0710</u>	Acc. Chg: _____
T-On Location <u>0130</u>	T-Pulled <u>1112</u>	Other: <u>\$2875</u>
	T-Out <u>1638</u>	Total: _____

GAS VOLUME REPORT

Murfin Drilling co inc

Gene 1-7

3

OPERATOR

WELL NAME AND NO.

DST NO.

GTS in 2 minutes in Final Flow

[illegible]

Remarks:

CHART PAGE

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

Ticket# 25516

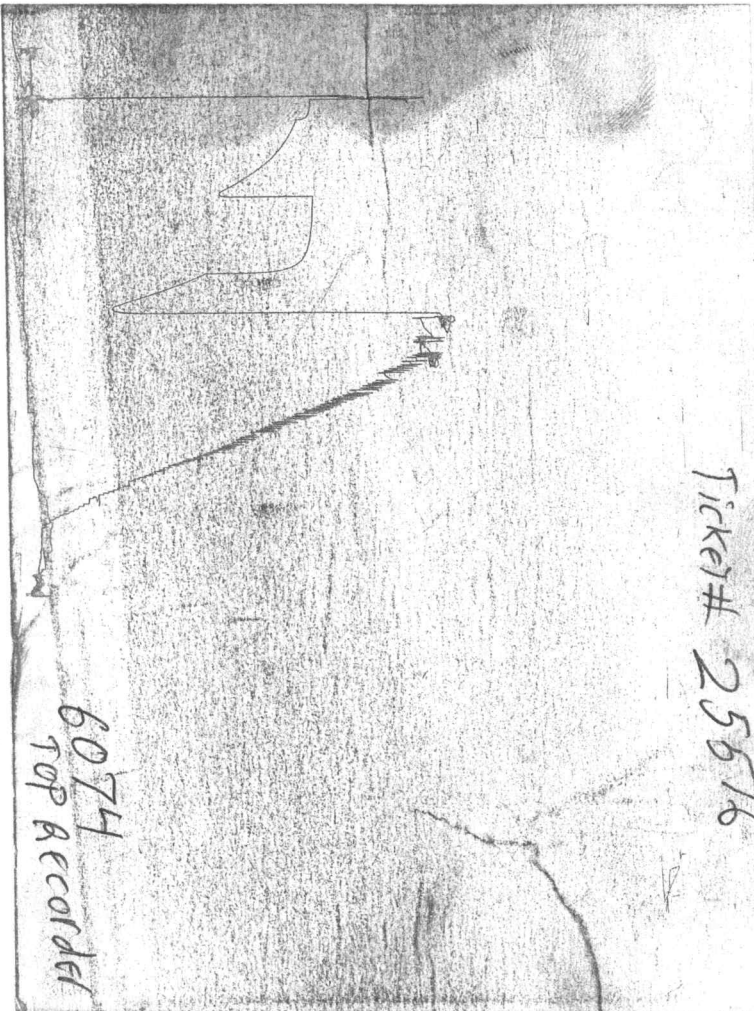


CHART PAGE

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