



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company**

250 N Water Ste 300
Wichita KS 67202

ATTN: Steve Miller

13 3s 27w Decatur KS

Moko Unit #1-13

Start Date: 2006.04.08 @ 09:30:19

End Date: 2006.04.08 @ 15:31:49

Job Ticket #: 23722 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 Company

250 N Water Ste 300
Wichita KS 67202

ATTN: Steve Miller

Moko Unit #1-13

13 3s 27w Decatur KS

Job Ticket: 23722

DST#: 1

Test Start: 2006.04.08 @ 09:30:19

GENERAL INFORMATION:

Formation: **LKC-"B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:24:34

Time Test Ended: 15:31:49

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: **3600.00 ft (KB) To 3617.00 ft (KB) (TVD)**

Total Depth: 3617.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2640.00 ft (KB)

2635.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8259 Inside

Press@RunDepth: 28.17 psig @ 3604.00 ft (KB)

Start Date: 2006.04.08

End Date:

2006.04.08

Start Time: 09:30:24

End Time:

15:31:48

Capacity: 7000.00 psig

Last Calib.: 2006.04.08

Time On Btm: 2006.04.08 @ 11:24:19

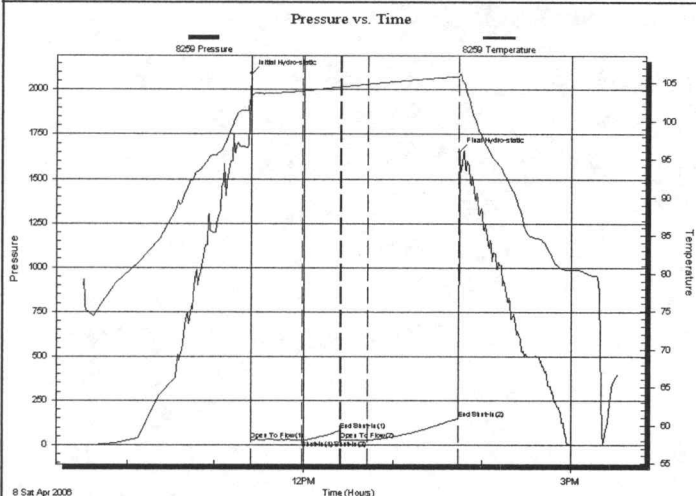
Time Off Btm: 2006.04.08 @ 13:44:04

TEST COMMENT: IFP Weak Blow Built to 3/4" Died at end of Period

ISI Dead

FFP Dead

FSI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2089.68	103.57	Initial Hydro-static
1	28.46	103.23	Open To Flow (1)
35	29.21	103.93	Shut-In (1)
61	82.40	104.48	End Shut-In (1)
61	29.74	104.47	Open To Flow (2)
79	28.17	104.84	Shut-In (2)
140	149.35	105.86	End Shut-In (2)
140	1652.28	106.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud W Oil Specks	0.05

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 Company

250 N Water Ste-300
Wichita KS 67202

ATTN: Steve Miller

Moko Unit #1-13

13 3s 27w Decatur KS

Job Ticket: 23722

DST#: 1

Test Start: 2006.04.08 @ 09:30:19

Tool Information

Drill Pipe:	Length: 3046.00 ft	Diameter: 3.80 inches	Volume: 42.73 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 529.00 ft	Diameter: 2.25 inches	Volume: 2.60 bbl	Weight to Pull Loose: 90000.00 lb
		Total Volume: 45.33 bbl		Tool Chased 3.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	3600.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	17.00 ft			
Tool Length:	45.00 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			3573.00	
Shut In Tool	5.00			3578.00	
Hydraulic tool	5.00			3583.00	
Jars	5.00			3588.00	
Safety Joint	2.00			3590.00	
Packer	5.00			3595.00	28.00 Bottom Of Top Packer
Packer	5.00			3600.00	
Stubb	1.00			3601.00	
Perforations	3.00			3604.00	
Recorder	0.00	8259	Inside	3604.00	
Perforations	10.00			3614.00	
Recorder	0.00	13221	Outside	3614.00	
Bullnose	3.00			3617.00	17.00 Bottom Packers & Anchor

Total Tool Length: 45.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company

250 N Water Ste 300
Wichita KS 67202

ATTN: Steve Miller

Moko Unit #1-13

13 3s 27w Decatur KS

Job Ticket: 23722

DST#: 1

Test Start: 2006.04.08 @ 09:30:19

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 6.39 in³

Resistivity: ohm.m

Salinity: 900.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

ft
bbl

psig

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud W Oil Specks	0.049

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8259

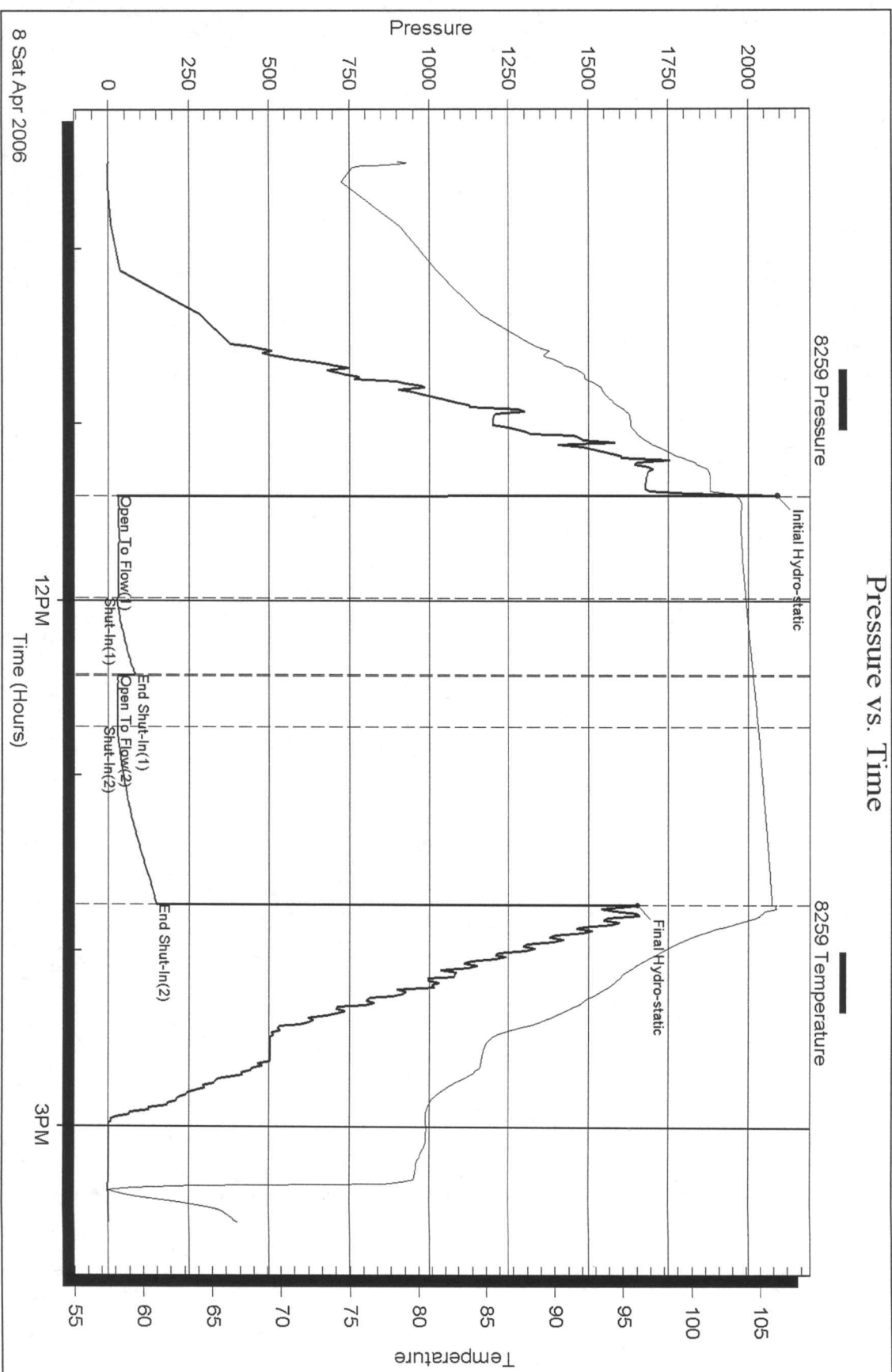
Inside

Murfin Drilling Company

13 3s 27w Decatur KS

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company**

250 N Water Ste 300
Wichita KS 67202

ATTN: Steve Miller

13 3s 27w Decatur KS

Moko Unit #1-13

Start Date: 2006.04.08 @ 22:27:59

End Date: 2006.04.09 @ 04:15:14

Job Ticket #: 23723 DST #: 2

Trilobite Testing, Inc

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

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Company

250 N Water Ste 300
Wichita KS 67202

ATTN: Steve Miller

Moko Unit #1-13

13 3s 27w Decatur KS

Job Ticket: 23723

DST#: 2

Test Start: 2006.04.08 @ 22:27:59

GENERAL INFORMATION:

Formation: LKC-"D"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:11:29

Time Test Ended: 04:15:14

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: 3600.00 ft (KB) To 3634.00 ft (KB) (TVD)

Total Depth: 3634.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2640.00 ft (KB)

2635.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8259

Inside

Press@RunDepth: 20.90 psig @ 3604.00 ft (KB)

Start Date: 2006.04.08

End Date: 2006.04.09

Start Time: 22:28:04

End Time: 04:15:13

Capacity: 7000.00 psig

Last Calib.: 2006.04.09

Time On Btm: 2006.04.09 @ 00:11:14

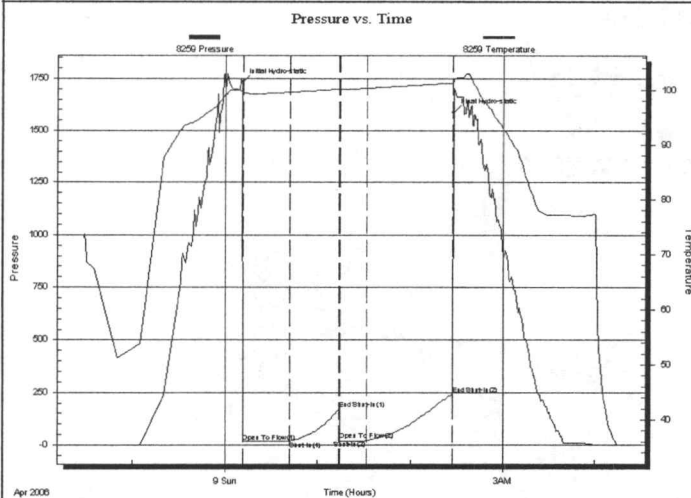
Time Off Btm: 2006.04.09 @ 02:27:29

TEST COMMENT: IFP Weak Blow Built to 3/4"

ISI Dead

FFP Dead

FSI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1731.45	99.74	Initial Hydro-static
1	16.43	99.40	Open To Flow (1)
31	18.39	99.60	Shut-In(1)
63	169.20	100.19	End Shut-In(1)
64	20.80	100.14	Open To Flow (2)
81	20.90	100.31	Shut-In(2)
136	240.52	101.28	End Shut-In(2)
137	1587.82	101.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	SOCM 5%O 95%M	0.05
0.00		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 Company

250 N Water Ste 300
Wichita KS 67202

ATTN: Steve Miller

Moko Unit #1-13

13 3s 27w Decatur KS

Job Ticket: 23723

DST#: 2

Test Start: 2006.04.08 @ 22:27:59

Tool Information

Drill Pipe:	Length: 3081.00 ft	Diameter: 3.80 inches	Volume: 43.22 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 529.00 ft	Diameter: 2.25 inches	Volume: 2.60 bbl	Weight to Pull Loose: 72000.00 lb
		Total Volume:	45.82 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 69000.00 lb
Depth to Top Packer:	3600.00 ft			Final 69000.00 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
Change Over Sub	1.00			3580.00	
Shut In Tool	5.00			3585.00	
Hydraulic tool	5.00			3590.00	
Packer	5.00			3595.00	21.00 Bottom Of Top Packer
Packer	5.00			3600.00	
Stubb	1.00			3601.00	
Perforations	3.00			3604.00	
Recorder	0.00	8259	Inside	3604.00	
Perforations	27.00			3631.00	
Recorder	0.00	13221	Outside	3631.00	
Bullhose	3.00			3634.00	34.00 Bottom Packers & Anchor

Total Tool Length: 55.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company

Moko Unit #1-13

250 N Water Ste 300
Wichita KS 67202

13 3s 27w Decatur KS

Job Ticket: 23723

DST#: 2

ATTN: Steve Miller

Test Start: 2006.04.08 @ 22:27:59

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: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	SOCM 5%O 95%M	0.049
0.00		0.000

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

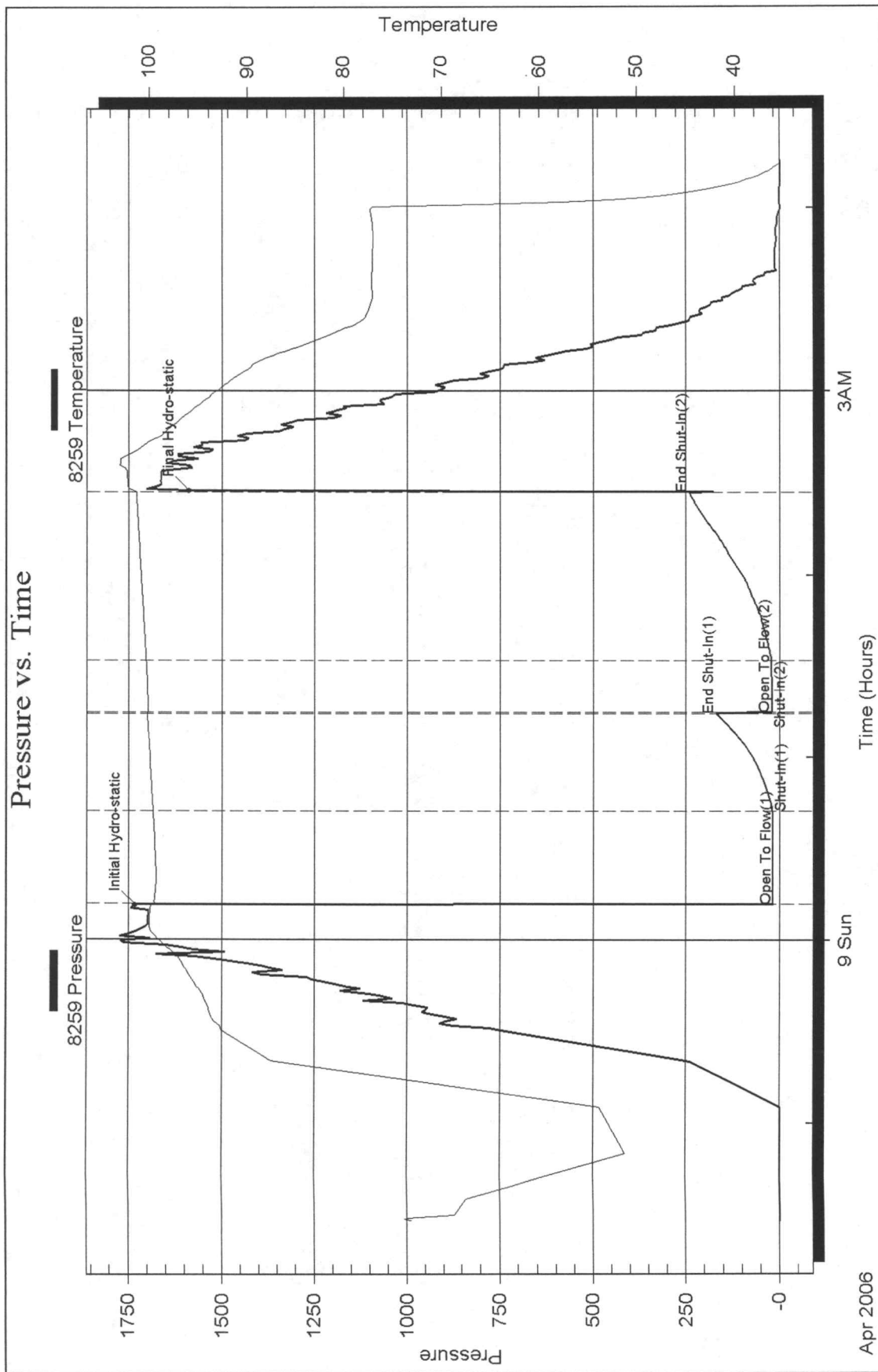
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Murfen Drilling Company**

250 N Water Ste 300
Wichita KS 67202

ATTN: Steve Miller

13 3s 27w Decatur KS

Moko Unit #1-13

Start Date: 2006.04.09 @ 16:10:32

End Date: 2006.04.09 @ 22:36:02

Job Ticket #: 23648

DST #: 3

Trilobite Testing, Inc

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Company

250 N Water Ste 300
Wichita KS 67202

ATTN: Steve Miller

Moko Unit #1-13

13 3s 27w Decatur KS

Job Ticket: 23648

DST#: 3

Test Start: 2006.04.09 @ 16:10:32

GENERAL INFORMATION:

Formation: **LKC H**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:56:32

Time Test Ended: 22:36:02

Test Type: Conventional Bottom Hole

Tester: Michael Armbrister

Unit No: 32

Interval: **3680.00 ft (KB) To 3710.00 ft (KB) (TVD)**

Total Depth: 3710.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2640.00 ft (KB)

2635.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8259

Inside

Press@RunDepth: 68.93 psig @ 3684.00 ft (KB)

Start Date: 2006.04.09

End Date:

2006.04.09

Start Time: 16:10:37

End Time:

22:36:01

Capacity: 7000.00 psig

Last Calib.: 2006.04.09

Time On Btm: 2006.04.09 @ 17:56:17

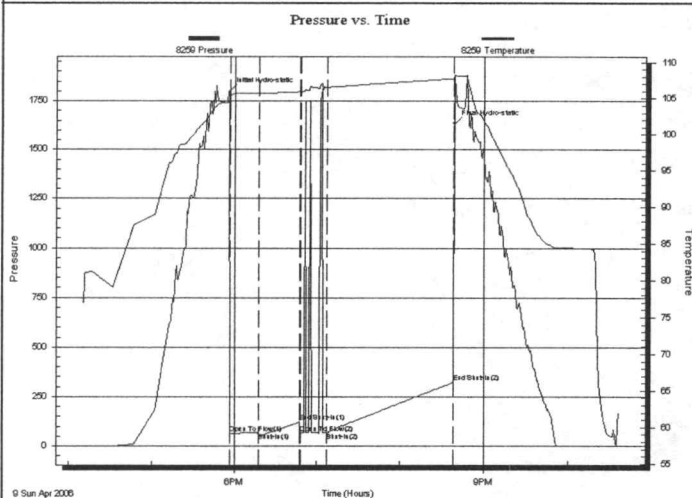
Time Off Btm: 2006.04.09 @ 20:38:31

TEST COMMENT: IF Weak surf Blow died after 10m

ISI No Blow

FF No Blow

FSI No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1799.45	104.54	Initial Hydro-static
1	62.63	103.64	Open To Flow (1)
22	65.86	105.75	Shut-In (1)
52	121.42	105.93	End Shut-In (1)
52	64.54	105.90	Open To Flow (2)
72	68.93	106.55	Shut-In (2)
162	321.55	107.73	End Shut-In (2)
163	1635.51	108.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Drilling mud	0.22

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 Company

250 N Water Ste 300
Wichita KS 67202

ATTN: Steve Miller

Moko Unit #1-13

13 3s 27w Decatur KS

Job Ticket: 23648

DST#: 3

Test Start: 2006.04.09 @ 16:10:32

Tool Information

Drill Pipe:	Length: 3142.00 ft	Diameter: 3.80 inches	Volume: 44.07 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 529.00 ft	Diameter: 2.25 inches	Volume: 2.60 bbl	Weight to Pull Loose: 75000.00 lb
		Total Volume: 46.67 bbl		Tool Chased 10.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	3680.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	58.00 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			3653.00	
Shut In Tool	5.00			3658.00	
Hydraulic tool	5.00			3663.00	
Jars	5.00			3668.00	
Safety Joint	2.00			3670.00	
Packer	5.00			3675.00	28.00 Bottom Of Top Packer
Packer	5.00			3680.00	
Stubb	1.00			3681.00	
Perforations	3.00			3684.00	
Recorder	0.00	8259	Inside	3684.00	
Perforations	23.00			3707.00	
Recorder	0.00	13221	Outside	3707.00	
Bullnose	3.00			3710.00	30.00 Bottom Packers & Anchor

Total Tool Length: 58.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company

Moko Unit #1-13

250 N Water Ste 300
Wichita KS 67202

13 3s 27w Decatur KS

Job Ticket: 23648

DST#: 3

ATTN: Steve Miller

Test Start: 2006.04.09 @ 16:10:32

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: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	Drilling mud	0.221

Total Length: 45.00 ft

Total Volume: 0.221 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

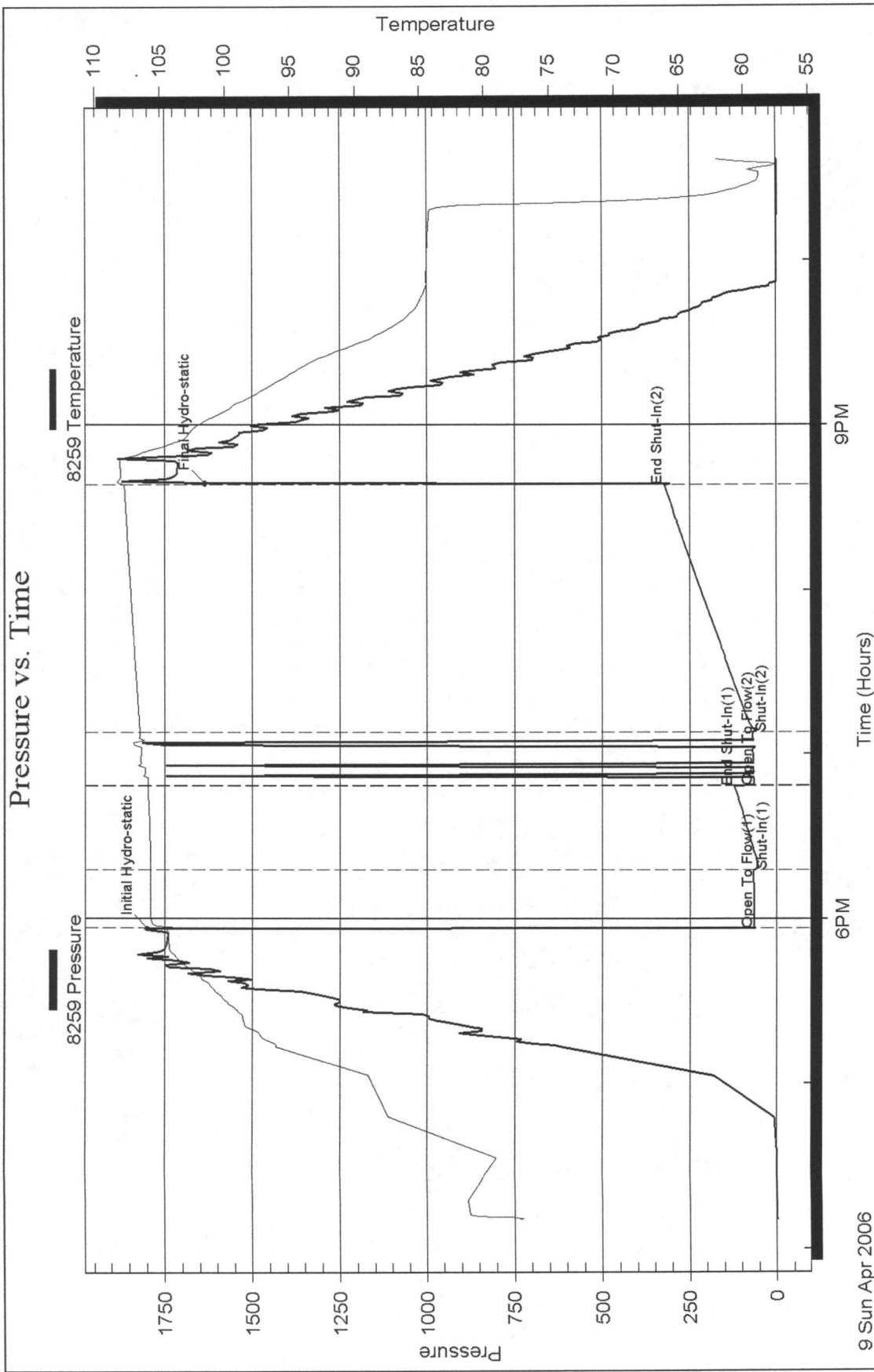
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company**

250 N Water Ste 300
Wichita KS 67202

ATTN: Steve Miller

13 3s 27w Decatur KS

Moko Unit #1-13

Start Date: 2006.04.10 @ 10:20:01

End Date: 2006.04.10 @ 16:07:46

Job Ticket #: 23649 DST #: 4

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 Company

250 N Water Ste 300
Wichita KS 67202

ATTN: Steve Miller

Moko Unit #1-13

13 3s 27w Decatur KS

Job Ticket: 23649

DST#:4

Test Start: 2006.04.10 @ 10:20:01

GENERAL INFORMATION:

Formation: **LKC- J K L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:46:16

Time Test Ended: 16:07:46

Interval: **3710.00 ft (KB) To 3790.00 ft (KB) (TVD)**

Total Depth: 3790.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Michael Armbrister

Unit No: 32

Reference Elevations: 2640.00 ft (KB)

2635.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8259

Inside

Press@RunDepth: 20.57 psig @ 3714.00 ft (KB)

Start Date: 2006.04.10

End Date:

2006.04.10

Start Time: 10:20:06

End Time:

16:07:45

Capacity: 7000.00 psig

Last Calib.: 2006.04.10

Time On Btm: 2006.04.10 @ 11:46:01

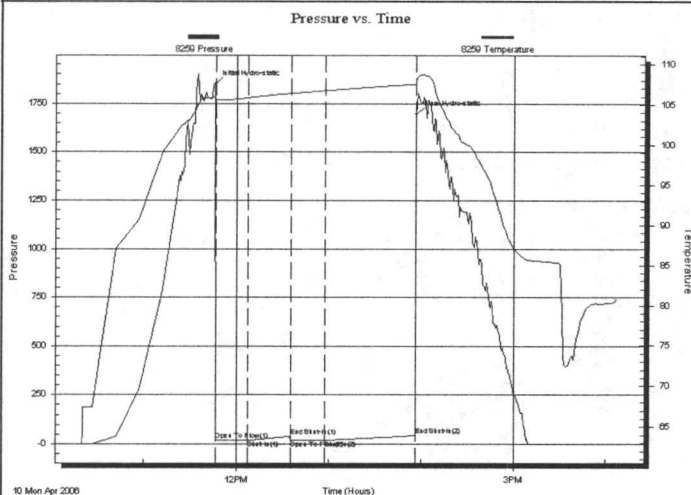
Time Off Btm: 2006.04.10 @ 13:56:46

TEST COMMENT: IF Weak surf Blow died 10m

ISI No Blow

FF No Blow

FSI No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1849.15	105.97	Initial Hydro-static
1	18.31	105.56	Open To Flow (1)
21	19.65	105.84	Shut-In(1)
50	40.80	106.41	End Shut-In(1)
50	20.98	106.41	Open To Flow (2)
72	20.57	106.74	Shut-In(2)
131	44.17	107.56	End Shut-In(2)
131	1695.89	108.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4.00	100% Mud	0.02

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 Company

250 N Water Ste 300
Wichita KS 67202

ATTN: Steve Miller

Moko Unit #1-13

13 3s 27w Decatur KS

Job Ticket: 23649

DST#: 4

Test Start: 2006.04.10 @ 10:20:01

Tool Information

Drill Pipe:	Length: 3172.00 ft	Diameter: 3.80 inches	Volume: 44.49 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 529.00 ft	Diameter: 2.25 inches	Volume: 2.60 bbl	Weight to Pull Loose: 79000.00 lb
		Total Volume: 47.09 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 74000.00 lb
Depth to Top Packer:	3710.00 ft			Final 74000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	80.00 ft			
Tool Length:	101.00 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			3690.00	
Shut In Tool	5.00			3695.00	
Hydraulic tool	5.00			3700.00	
Packer	5.00			3705.00	21.00 Bottom Of Top Packer
Packer	5.00			3710.00	
Stubb	1.00			3711.00	
Perforations	2.00			3713.00	
Change Over Sub	1.00			3714.00	
Recorder	0.00	8259	Inside	3714.00	
Blank Spacing	62.00			3776.00	
Change Over Sub	1.00			3777.00	
Perforations	10.00			3787.00	
Recorder	0.00	13221	Outside	3787.00	
Bullnose	3.00			3790.00	80.00 Bottom Packers & Anchor

Total Tool Length: 101.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Company

Moko Unit #1-13

250 N Water Ste 300
Wichita KS 67202

13 3s 27w Decatur KS

Job Ticket: 23649

DST#: 4

ATTN: Steve Miller

Test Start: 2006.04.10 @ 10:20:01

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: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
4.00	100% Mud	0.020

Total Length: 4.00 ft

Total Volume: 0.020 bbl

Num Fluid Samples: 0

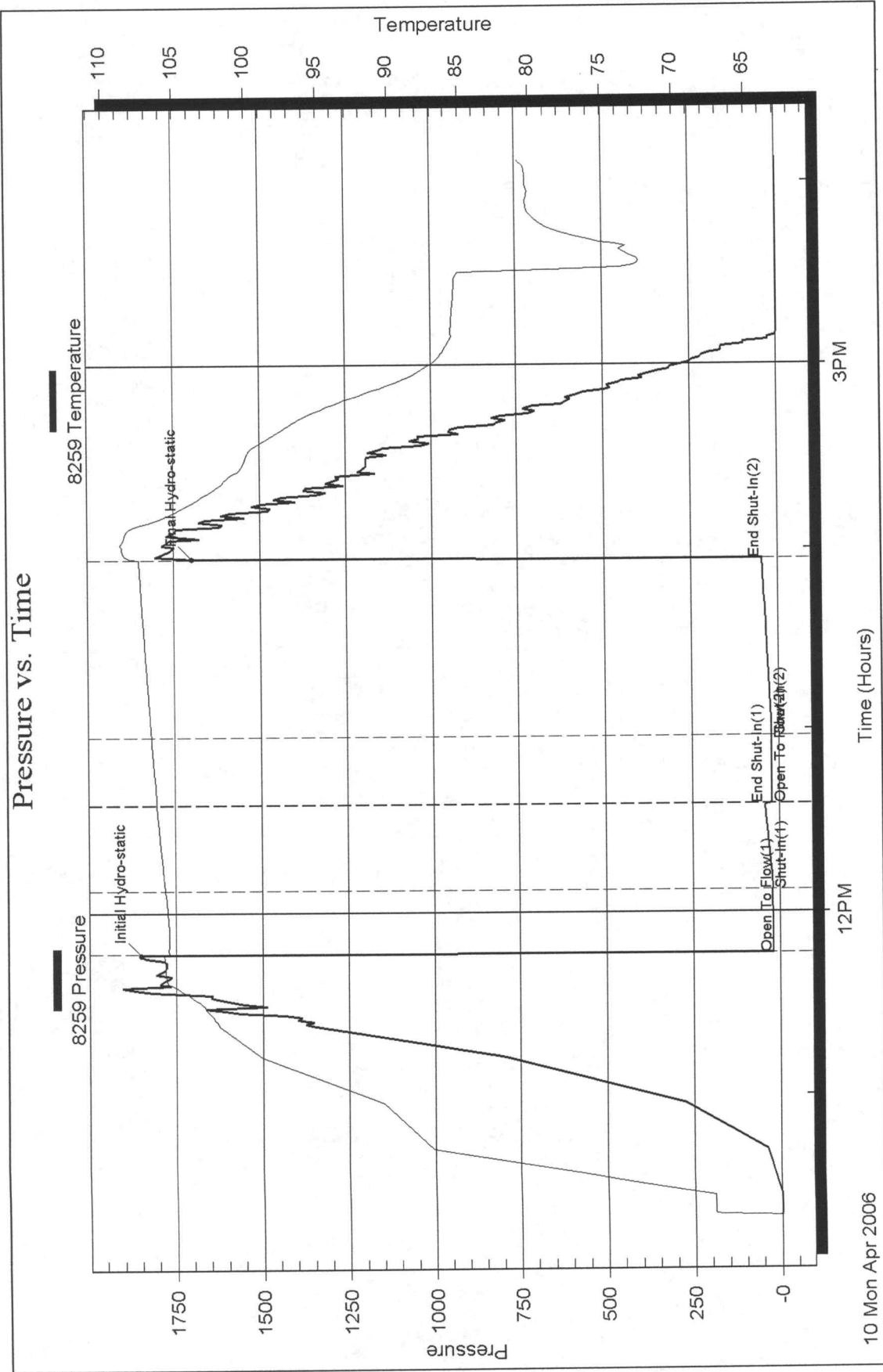
Num Gas Bombs: 0

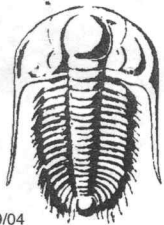
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

8619

No 23722

9/04

Test Ticket

Well Name & No. MOKO UNIT # 1-13 Test No. 1 Date 4-8-06
 Company Murfin Drilling Company Inc Zone Tested LKC-"B"
 Address 250 N. Water, Ste 300, Wichita, Ks. 67202 Elevation 2640 KB 2635 GL
 Co. Rep / Geo. Steve Miller Cont. Murfin #3 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 13 Twp. 3s Rge. 27 w Co. Decatur State Ks
 No. of Copies Reg Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3600 - 3617 Initial Str Wt./Lbs. 70,000 Unseated Str Wt./Lbs. 70,000
 Anchor Length 17' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 90,000
 Top Packer Depth 3595 Tool Weight 2200
 Bottom Packer Depth 3600 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3617 Wt. Pipe Run 0 Drill Collar Run 529
 Mud Wt. 8.9 LCM 0 Vis. 55 WL 6.4 Drill Pipe Size 4 1/2 XH Ft. Run 3046
 Blow Description IFP-Weak Blow, Built to 3/4", Died at end of period

ISI-Dead
FFP-Dead
FSI-Dead

Recovery - Total Feet 10 GIP _____ Ft. in DC 10 Ft. in DP _____
 Rec. 10 Feet of Mud w/oil specks %gas <1 %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 106° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 900 ppm System

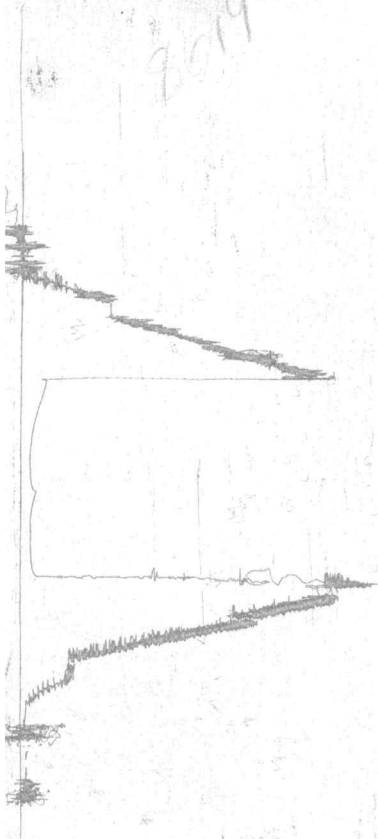
	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>2089</u>	PSI	Recorder No.	<u>8259</u>	(Test) <u>1000</u>
(B) First Initial Flow Pressure	<u>28</u>	PSI	(depth)	<u>3604</u>	(Jars) <u>250</u>
(C) First Final Flow Pressure	<u>29</u>	PSI	Recorder No.	<u>13221</u>	(Safety Jt.) <u>75</u>
(D) Initial Shut-In Pressure	<u>82</u>	PSI	(depth)	<u>3614</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>29</u>	PSI	Recorder No.	_____	Sampler _____
(F) Second Final Flow Pressure	<u>28</u>	PSI	(depth)	_____	Straddle _____
(G) Final Shut-In Pressure	<u>149</u>	PSI	Initial Opening	<u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1757</u>	PSI	Initial Shut-In	<u>30</u>	Shale Packer _____
			Final Flow	<u>15</u>	Ruined Packer _____
			Final Shut-In	<u>60</u>	Mileage <u>250 R.T.</u> <u>312.50</u>
			T-On Location	<u>8:05</u>	Sub Total: <u>1637.50</u>
			T-Started	<u>9:30</u>	Std. By _____
			T-Open	<u>11:25</u>	Other _____
			T-Pulled	<u>13:40</u>	Total: _____
			T-Out	<u>15:32</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.

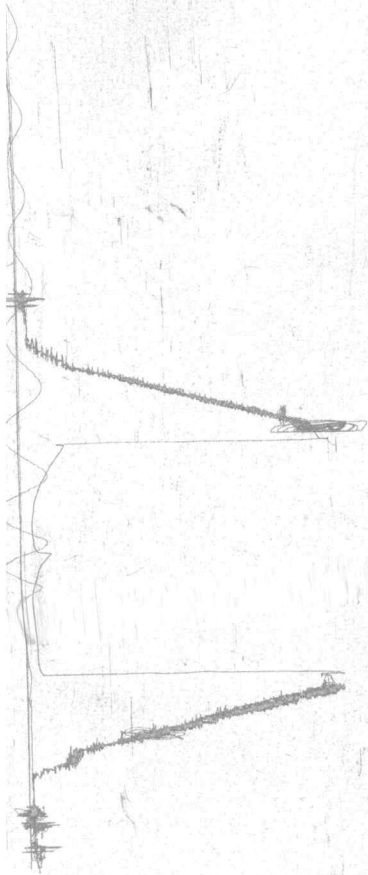
Approved By _____
 Our Representative J. McLenore *Thank you*

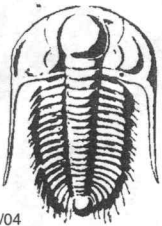
Murfin Drilling Co.
Mokd Unit #1-13
OST #1

6108



Murphy
Moko Unit #1-13
DST #2





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 23723

9/04

Test Ticket

Well Name & No. <u>Moko Unit #1-13</u>	Test No. <u>2</u>	Date <u>4-8-06</u>
Company <u>Murfin Drilling Company Inc.</u>	Zone Tested <u>LKC - "D"</u>	
Address <u>250 N. Water, Ste 300, Wichita, Ks. 67202</u>	Elevation <u>2640</u>	KB <u>2635</u> GL
Co. Rep / Geo. <u>Steve Miller</u>	Cont. <u>Murfin #3</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>13</u>	Twp. <u>3s</u>	Rge. <u>27w</u> Co. <u>Decatur</u> State <u>Ks</u>
No. of Copies <u>Reg</u>	Disbtribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

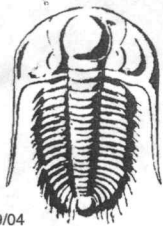
Interval Tested <u>3600 - 3634</u>	Initial Str Wt./Lbs. <u>69,000</u>	Unseated Str Wt/Lbs. <u>69,000</u>
Anchor Length <u>34'</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>72000</u>
Top Packer Depth <u>3595</u>	Tool Weight <u>2200</u>	
Bottom Packer Depth <u>3600</u>	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth <u>3634</u>	Wt. Pipe Run <u>0</u>	Drill Collar Run <u>529</u>
Mud Wt. <u>8.9</u> LCM <u>0</u> Vis. <u>55</u> WL <u>6.4</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>3077</u>
Blow Description <u>IFP-Weak Blow, Built to 3/4"</u>		
<u>ISI-Dead</u>		
<u>FFP-Dead</u>		
<u>FSI-Dead</u>		

Recovery - Total Feet <u>10</u>	GIP _____	Ft. in DC _____	Ft. in DP _____
Rec. <u>10</u>	Feet of <u>SOCM</u>	%gas <u>5</u> %oil _____	%water _____ %mud <u>95</u>
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 <u>101</u>	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____ °API _____
RW _____ @ _____ °F	Chlorides _____ ppm	Recovery _____	Chlorides <u>900</u> ppm System

(A) Initial Hydrostatic Mud	AK-1 <u>1731</u> PSI	Alpine <u>1731</u> PSI	Recorder No. <u>8259</u>	Test <u>1000</u>
(B) First Initial Flow Pressure	<u>16</u> PSI	<u>16</u> PSI	(depth) <u>3604</u>	Jars _____
(C) First Final Flow Pressure	<u>18</u> PSI	<u>18</u> PSI	Recorder No. <u>13221</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>169</u> PSI	<u>169</u> PSI	(depth) <u>3631</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>21</u> PSI	<u>21</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>21</u> PSI	<u>21</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>241</u> PSI	<u>241</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1706</u> PSI	<u>1706</u> PSI	Initial Shut-In <u>30</u>	Shale Packer _____
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.			Final Flow <u>15</u>	Ruined Packer _____
			Final Shut-In <u>60</u>	Mileage <u>48 + 60</u>
			T-On Location <u>22:00</u>	Sub Total: <u>\$1060</u>
			T-Started <u>22:27</u>	Std. By _____
			T-Open <u>00:10</u>	Other _____
			T-Pulled <u>2:25</u>	Total: _____
			T-Out <u>4:15</u>	

Approved By _____

Our Representative J. Mc Lennan *Thank you*



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 23648

Test Ticket

Well Name & No. <u>Moko Unit # 1-13</u>	Test No. <u>3</u>	Date <u>4-09-06</u>
Company <u>Murfin Drilling Co., Inc.</u>	Zone Tested <u>LKC-H</u>	
Address <u>250 N Water Ste 300 Wichita KS 67202</u>	Elevation <u>2140</u> KB <u>2635</u> GL	
Co. Rep / Geo. <u>Steve Miller</u>	Cont. <u>Murfin #3</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>13</u> Twp. <u>3s</u>	Rge <u>27w</u> Co. <u>Decatur</u>	State <u>KS</u>
No. of Copies _____	Disbtribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>3680-3710</u>	Initial Str Wt./Lbs. <u>72000</u>	Unseated Str Wt./Lbs. <u>72000</u>
Anchor Length <u>30</u>	Wt. Set Lbs. <u>25000</u>	Wt. Pulled Loose/Lbs. <u>75000</u>
Top Packer Depth <u>3675</u>	Tool Weight <u>2000</u>	
Bottom Packer Depth <u>3680</u>	Hole Size <u>7 7/8"</u>	Rubber Size <u>6 3/4"</u>
Total Depth <u>3710</u>	Wt. Pipe Run <u>4 1/2</u>	Drill Collar Run <u>529</u>
Mud Wt. <u>9.0</u> LCM <u>DO</u> Vis. <u>54</u> WL <u>6.4</u>	Drill Pipe Size <u>4 1/2</u>	Ft. Run <u>3142</u>
Blow Description <u>IF - Weak Blow died after 10m</u>		

ISI - No Blow
FF - No Blow
FSI - No Blow

Recovery - Total Feet <u>45</u>	GIP _____	Ft. in DC _____	Ft. in DP _____
Rec. _____	Feet of <u>Drilling Mud</u>	%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 <u>108</u>	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____ °API _____
RW _____ @ _____ °F	Chlorides _____ ppm	Recovery _____	Chlorides <u>900</u> ppm System

(A) Initial Hydrostatic Mud	AK-1 <u>1800</u> PSI	Recorder No. <u>8259</u>	☒ Test <u>Ran</u> <u>1000</u>
(B) First Initial Flow Pressure	<u>63</u> PSI	(depth) <u>3682</u>	Jars _____
(C) First Final Flow Pressure	<u>64</u> PSI	Recorder No. <u>13221</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>121</u> PSI	(depth) <u>3709</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>65</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>69</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>322</u> PSI	Initial Opening <u>20</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1662</u> PSI	Initial Shut-In <u>20</u>	Shale Packer _____
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.		Final Flow <u>20</u>	Ruined Packer _____
		Final Shut-In <u>90</u>	Mileage <u>481</u> <u>60</u>
		T-On Location <u>15:30</u>	Sub Total: <u>1060</u>
		T-Started <u>16:10</u>	Std. By _____
		T-Open <u>18:00</u>	Other _____
		T-Pulled <u>20:40</u>	Total: _____
		T-Out <u>22:20</u>	

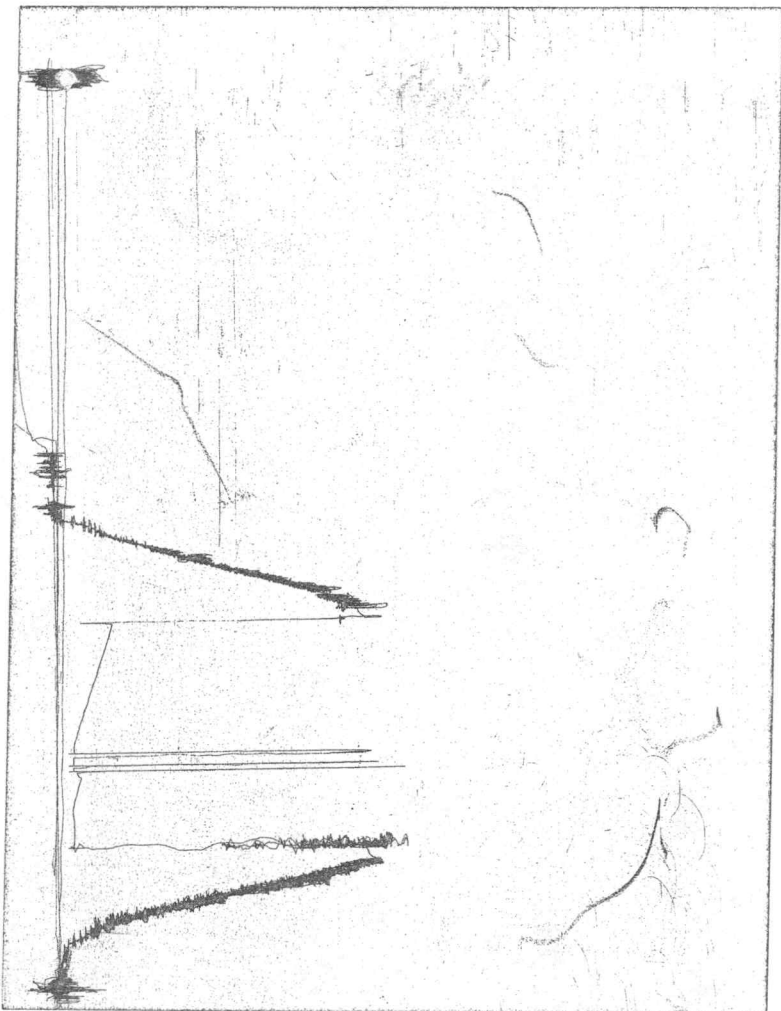
Approved By [Signature]

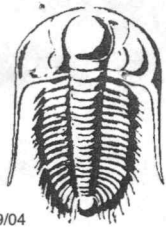
Our Representative Michael Ambriester

23648
Mokd Unit 1-13
Muejin

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 23649

9/04

Test Ticket

Well Name & No. <u>Moko Unit #1-13</u>	Test No. <u>4</u>	Date <u>4-10-07</u>
Company <u>MPC</u>	Zone Tested <u>LKC-J KL</u>	
Address <u>250 N Water Ste 300</u>	Elevation <u>2640</u>	KB <u>2635</u> GL
Co. Rep / Geo. <u>Steve Miller</u>	Cont. <u>Murfin #3</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>13</u> Twp. <u>3s</u>	Rge. <u>27W</u>	Co. <u>Decatur</u> State <u>KS</u>
No. of Copies _____	Disbtribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>3710 - 3790</u>	Initial Str Wt./Lbs. <u>74000</u>	Unseated Str Wt./Lbs. <u>74000</u>
Anchor Length <u>80</u>	Wt. Set Lbs. <u>25000</u>	Wt. Pulled Loose/Lbs. <u>79000</u>
Top Packer Depth <u>3705</u>	Tool Weight <u>2000</u>	
Bottom Packer Depth <u>3710</u>	Hole Size <u>7 7/8"</u>	Rubber Size <u>6 3/4"</u>
Total Depth <u>3790</u>	Wt. Pipe Run _____	Drill Collar Run <u>529</u>
Mud Wt. <u>9.1</u> LCM <u>0.0</u> Vis. <u>57</u> WL <u>6.4</u>	Drill Pipe Size <u>4-1/2</u>	Ft. Run <u>3172</u>
Blow Description <u>IF - Weak Blow died 10m</u>		

ISI - No Blow
FE - No Blow
FSI - No Blow

Recovery - Total Feet <u>4</u>	GIP _____	Ft. in DC _____	Ft. in DP _____
Rec. <u>4</u> Feet of <u>Drilling Mud</u>	%gas _____	%oil _____	%water <u>100</u> %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 <u>108</u> °F Gravity _____	°API D @ _____	°F Corrected Gravity _____	°API _____
RW _____ @ _____ °F	Chlorides _____ ppm Recovery _____	Chlorides <u>900</u> ppm System _____	

(A) Initial Hydrostatic Mud	AK-1 <u>1849</u> PSI	Recorder No. <u>8259</u>	<u>Test</u> <u>Ran</u>
(B) First Initial Flow Pressure	<u>18</u> PSI	(depth) <u>3712</u>	Jars _____
(C) First Final Flow Pressure	<u>20</u> PSI	Recorder No. <u>3789</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>41</u> PSI	(depth) _____	Circ Sub _____
(E) Second Initial Flow Pressure	<u>21</u> PSI	Recorder No. <u>13221</u>	Sampler _____
(F) Second Final Flow Pressure	<u>21</u> PSI	(depth) <u>3789</u>	Straddle _____
(G) Final Shut-In Pressure	<u>44</u> PSI	Initial Opening <u>20</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1696</u> PSI	Initial Shut-In <u>30</u>	Shale Packer _____

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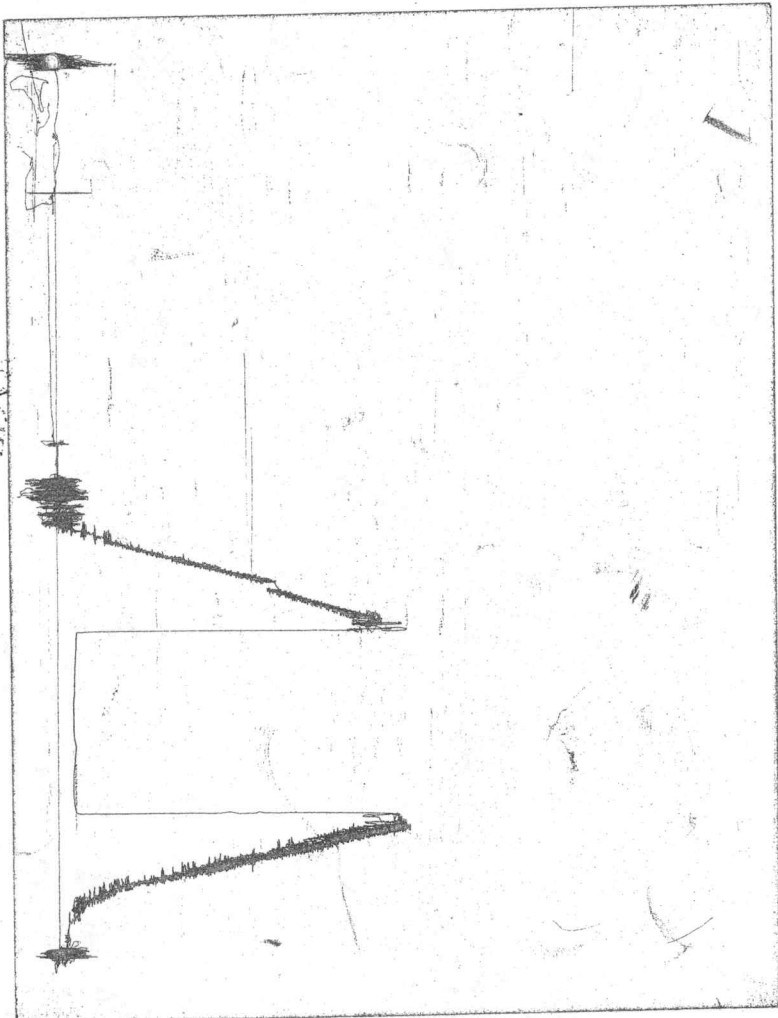
Approved By _____

Our Representative Michael Ambriester

Final Flow <u>20</u>	Ruined Packer _____
Final Shut-In <u>60</u>	Mileage <u>48.5</u>
T-On Location <u>10:10</u>	Sub Total: <u>1060</u>
T-Started <u>10:20</u>	Std. By _____
T-Open <u>11:50</u>	Other _____
T-Pulled <u>14:00</u>	Total: _____
T-Out _____	

CHART PAGE

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



23649

#4 DST
Moko Unit 1-13

Mudra