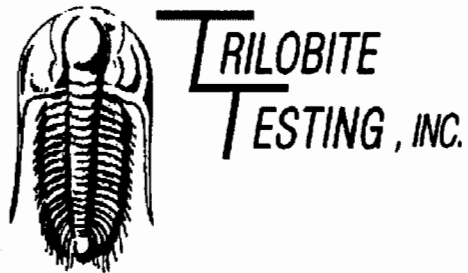


15-175-21890

1-31-32w



DRILL STEM TEST REPORT

Prepared For: **McCoy Petl.Corp.**

P.O.Box 780208
Wichita Ks. 67278

ATTN: Wes Hansen

1-31-32 Seward Ks.

Clawson A #1-1

Start Date: 2003.03.01 @ 05:35:54

End Date: 2003.03.01 @ 15:32:24

Job Ticket #: 16852 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

McCoy Petl. Corp.

P.O. Box 780208
Wichita Ks. 67278

ATTN: Wes Hansen

Clawson A #1-1

1-31-32 Seward Ks.

Job Ticket: 16852

DST#: 1

Test Start: 2003.03.01 @ 05:35:54

GENERAL INFORMATION:

Formation: **Lansing**

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

Time Tool Opened: 09:40:54

Time Test Ended: 15:32:24

Test Type: **Conventional Bottom Hole**

Tester: **Gary Pevoteaux**

Unit No: **23**

Interval: **4241.00 ft (KB) To 4278.00 ft (KB) (TVD)**

Total Depth: **4278.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **2836.00 ft (KB)**

2831.00 ft (CF)

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

Serial #: 2342 **Inside**

Press@RunDepth: **100.41 psig @ 4242.00 ft (KB)**

Start Date: **2003.03.01**

End Date:

2003.03.01

Start Time: **05:35:55**

End Time:

15:32:24

Capacity: **7000.00 psig**

Last Calib.: **2003.03.01**

Time On Btm: **2003.03.01 @ 09:38:24**

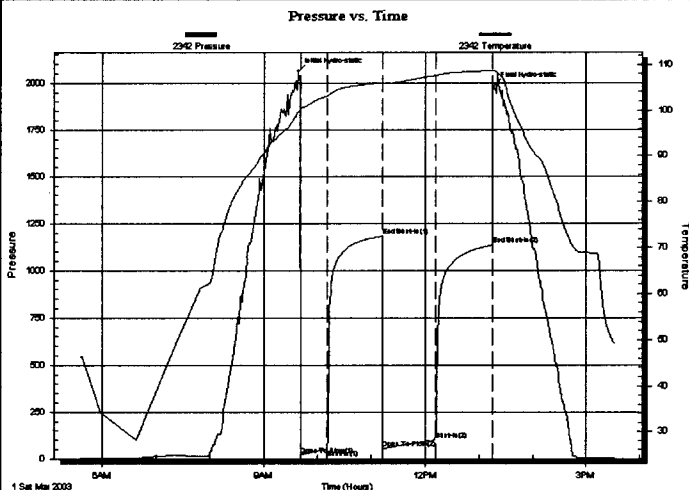
Time Off Btm: **2003.03.01 @ 13:16:09**

TEST COMMENT: IF: Weak blow. Slow increase to 5".

IS: No blow.

FF: Weak blow. Slow increase to 3 1/2".

FS: No blow.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2061.39	99.62	Initial Hydro-static
3	20.93	100.29	Open To Flow (1)
33	51.48	103.29	Shut-In (1)
94	1182.49	106.05	End Shut-In (1)
95	53.08	106.04	Open To Flow (2)
154	100.41	107.63	Shut-In (2)
217	1135.24	108.69	End Shut-In (2)
218	1981.66	108.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
160.00	MW 30% m 70% w Rw .17 ohms @ 42 de 2.24	

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petl. Corp.

Clawson A #1-1

P.O.Box 780208
Wichita Ks. 67278

1-31-32 Seward Ks.

Job Ticket: 16852

DST#: 1

ATTN: Wes Hansen

Test Start: 2003.03.01 @ 05:35:54

Tool Information

Drill Pipe:	Length: 4218.00 ft	Diameter: 3.80 inches	Volume: 59.17 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 68000.00 lb
			Total Volume: 59.17 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4241.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	37.00 ft			
Tool Length:	64.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

C.O. Sub	1.00			4215.00	
S.I. Tool	5.00			4220.00	
HMV	5.00			4225.00	
Jars	5.00			4230.00	
Safety Joint	2.00			4232.00	
Packer	4.00			4236.00	27.00 Bottom Of Top Packer
Packer	5.00			4241.00	
Stubb	1.00			4242.00	
Recorder	0.00	2342	Inside	4242.00	
Perforations	31.00			4273.00	
Recorder	0.00	13222	Outside	4273.00	
Bullnose	5.00			4278.00	37.00 Bottom Packers & Anchor

Total Tool Length: 64.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petl. Corp.

Clawson A #1-1

P.O. Box 780208
Wichita Ks. 67278

1-31-32 Seward Ks.

Job Ticket: 16852

DST#: 1

ATTN: Wes Hansen

Test Start: 2003.03.01 @ 05:35:54

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:

73000 ppm

Viscosity: 41.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.57 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
160.00	MW 30% m 70% w Rw .17 ohms @ 42 deg.	2.244

Total Length: 160.00 ft

Total Volume: 2.244 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

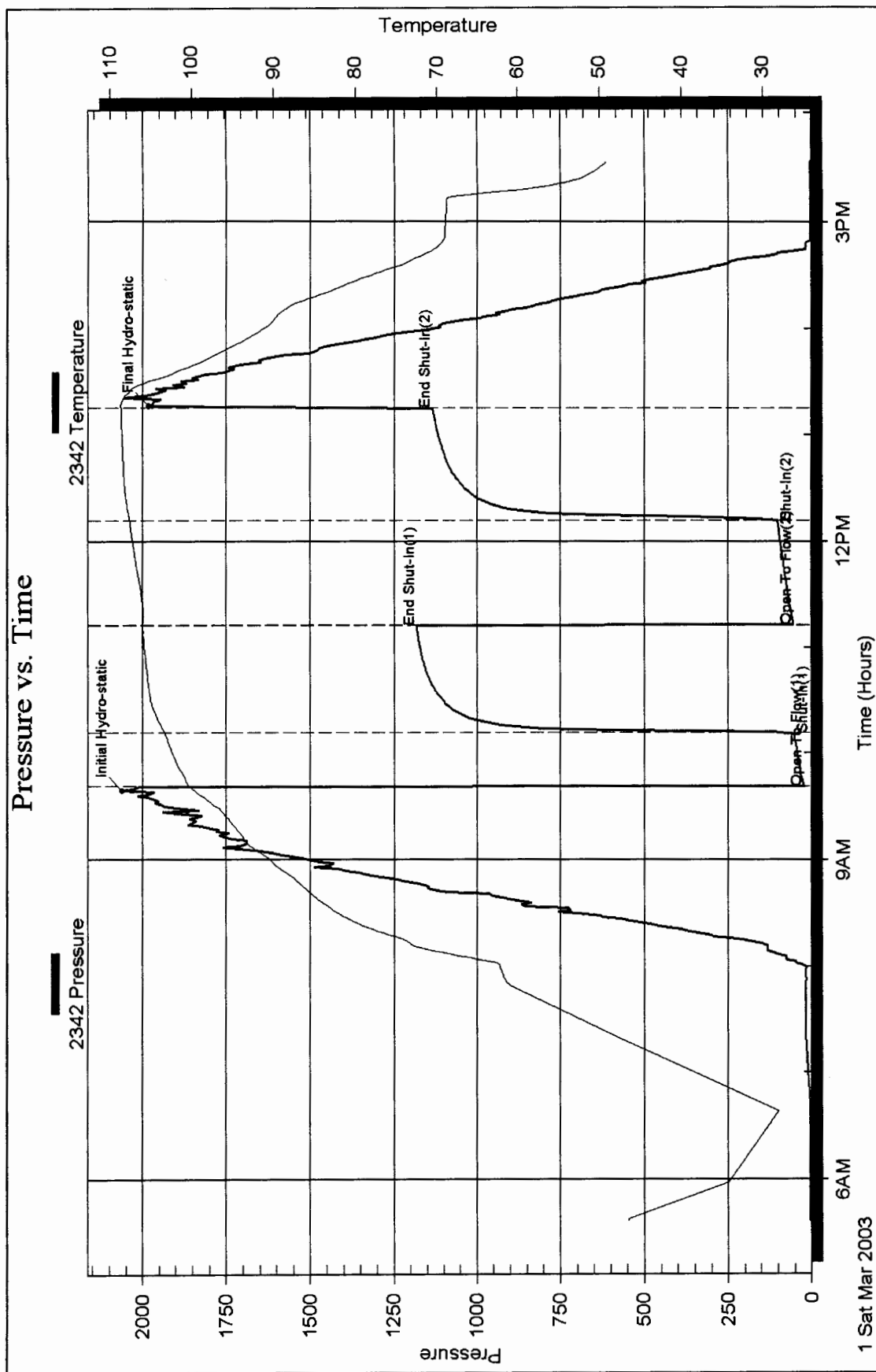
1-31-32 Seward Ks.

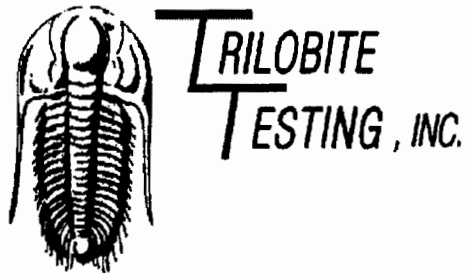
McCoy Pet. Corp.

Inside

Serial #: 2342

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **McCoy Petl.Corp.**

P.O.Box 780208
Wichita Ks. 67278

ATTN: Wes Hansen

1-31-32 Seward Ks.

Clawson A #1-1

Start Date: 2003.03.02 @ 14:10:13

End Date: 2003.03.02 @ 21:15:58

Job Ticket #: 16853 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

McCoy Petr. Corp.

P.O. Box 780208
Wichita Ks. 67278

ATTN: Wes Hansen

Clawson A #1-1

1-31-32 Seward Ks.

Job Ticket: 16853

DST#: 2

Test Start: 2003.03.02 @ 14:10:13

GENERAL INFORMATION:

Formation: **Lans. G**

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

Time Tool Opened: 16:35:43

Time Test Ended: 21:15:58

Test Type: **Conventional Bottom Hole**

Tester: **Gary Pevoteaux**

Unit No: **23**

Interval: **4450.00 ft (KB) To 4506.00 ft (KB) (TVD)**

Total Depth: **4506.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **2836.00 ft (KB)**

2831.00 ft (CF)

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

Serial #: 2342

Inside

Press@RunDepth: **37.38 psig @ 4451.00 ft (KB)**

Start Date: **2003.03.02**

End Date: **2003.03.02**

Start Time: **14:10:14**

End Time: **21:15:58**

Capacity: **7000.00 psig**

Last Calib.: **2003.03.02**

Time On Btm: **2003.03.02 @ 16:34:13**

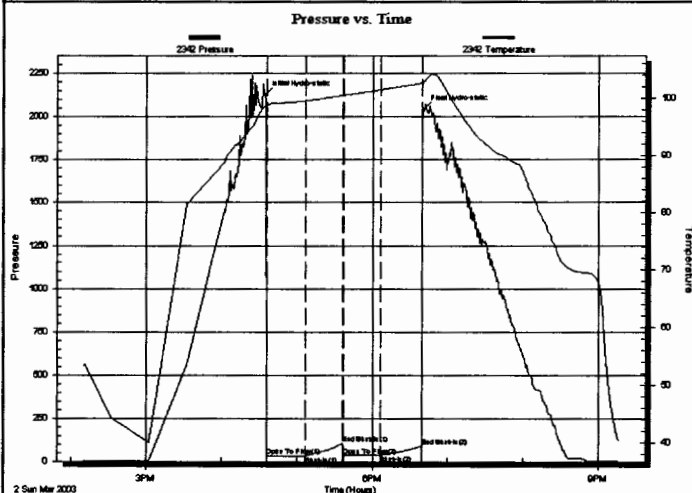
Time Off Btm: **2003.03.02 @ 18:40:28**

TEST COMMENT: **IF:Weak blow . 1/2 - 1 1/2".**

IS:No blow .

FF:Weak blow . 1/2 - 1".

FSI:No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2129.79	98.47	Initial Hydro-static
2	31.68	98.81	Open To Flow (1)
33	33.94	99.54	Shut-In(1)
62	105.62	100.48	End Shut-In(1)
63	30.67	100.50	Open To Flow (2)
92	37.38	101.46	Shut-In(2)
125	89.75	102.56	End Shut-In(2)
127	2045.36	102.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud with oil specs. Good odor!	0.28

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petl. Corp.

P.O.Box 780208
Wichita Ks. 67278

ATTN: Wes Hansen

Clawson A #1-1

1-31-32 Seward Ks.

Job Ticket: 16853

DST#: 2

Test Start: 2003.03.02 @ 14:10:13

Tool Information

Drill Pipe:	Length: 4431.00 ft	Diameter: 3.80 inches	Volume: 62.16 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume: 62.16 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial	58000.00 lb
Depth to Top Packer:	4450.00 ft			Final	58000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	56.00 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
C.O. Sub	1.00			4424.00	
S.I. Tool	5.00			4429.00	
HMV	5.00			4434.00	
Jars	5.00			4439.00	
Safety Joint	2.00			4441.00	
Packer	4.00			4445.00	27.00 Bottom Of Top Packer
Packer	5.00			4450.00	
Stubb	1.00			4451.00	
Recorder	0.00	2342	Inside	4451.00	
Perforations	17.00			4468.00	
C.O. Sub	1.00			4469.00	
Blank Spacing	31.00			4500.00	
C.O. Sub	1.00			4501.00	
Recorder	0.00	13222	Outside	4501.00	
Bullnose	5.00			4506.00	56.00 Bottom Packers & Anchor

Total Tool Length: 83.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petl. Corp.

Clawson A #1-1

P.O. Box 780208
Wichita Ks. 67278

1-31-32 Seward Ks.

Job Ticket: 16853

DST#: 2

ATTN: Wes Hansen

Test Start: 2003.03.02 @ 14:10:13

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:

4000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.57 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud with oil specs. Good oder!	0.281

Total Length: 20.00 ft

Total Volume: 0.281 bbl

Num Fluid Samples: 0

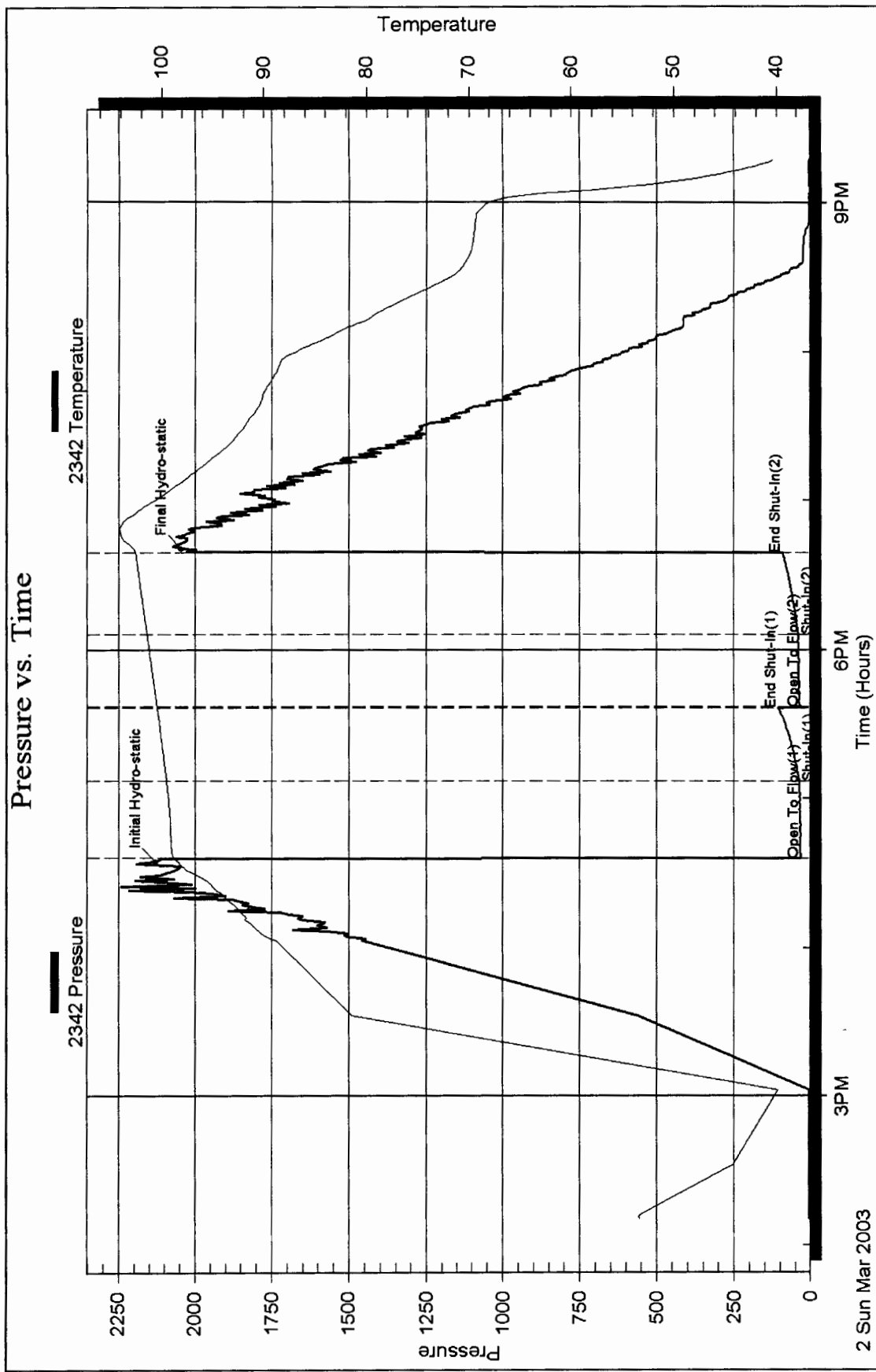
Num Gas Bombs: 0

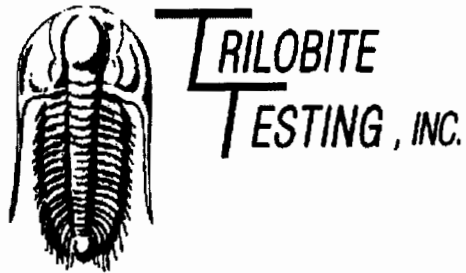
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **McCoy Petl.Corp.**

P.O.Box 780208
Wichita Ks. 67278

ATTN: Wes Hansen

1-31-32 Seward Ks.

Clawson A #1-1

Start Date: 2003.03.03 @ 12:14:10

End Date: 2003.03.03 @ 21:44:25

Job Ticket #: 16854 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

McCoy Petl. Corp.

P.O. Box 780208
Wichita Ks. 67278

ATTN: Wes Hansen

Clawson A #1-1

1-31-32 Seward Ks.

Job Ticket: 16854

DST#: 3

Test Start: 2003.03.03 @ 12:14:10

GENERAL INFORMATION:

Formation: **Swope**

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

Time Tool Opened: 14:35:40

Time Test Ended: 21:44:25

Test Type: **Conventional Bottom Hole**

Tester: **Gary Pevoteaux**

Unit No: **23**

Interval: **4643.00 ft (KB) To 4659.00 ft (KB) (TVD)**

Total Depth: **4659.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **2836.00 ft (KB)**

2831.00 ft (CF)

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

Serial #: 2342

Inside

Press@RunDepth: **184.84 psig @ 4644.00 ft (KB)**

Start Date: **2003.03.03**

End Date: **2003.03.03**

Start Time: **12:14:11**

End Time: **21:44:25**

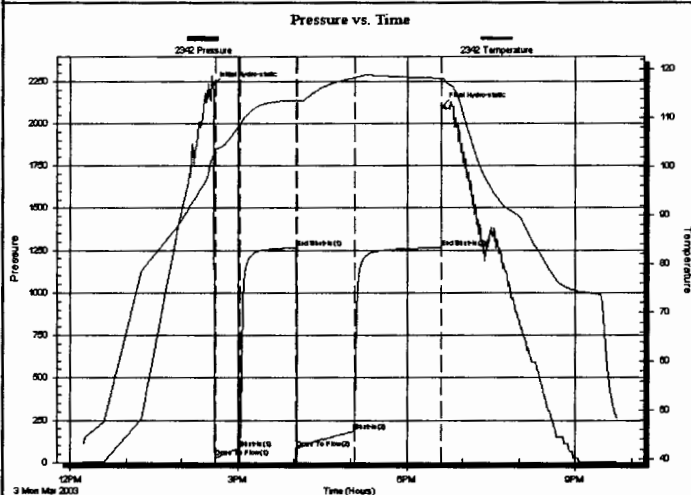
Capacity: **7000.00 psig**

Last Calib.: **2003.03.03**

Time On Btm: **2003.03.03 @ 14:32:55**

Time Off Btm: **2003.03.03 @ 18:37:25**

TEST COMMENT: **F: Strong blow . B.O.B. in 40 secs.**
IS: Weak blow . 1 - 3".
FF: Strong blow . B.O.B. in 45 secs. GTS in 27 mins. TSTM.
FSI: Weak to fair blow . 1 - 8".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2225.47	101.87	Initial Hydro-static
3	30.92	103.43	Open To Flow (1)
30	85.64	108.81	Shut-In (1)
89	1265.04	113.72	End Shut-In (1)
90	83.63	113.70	Open To Flow (2)
151	184.84	118.31	Shut-In (2)
244	1264.96	118.19	End Shut-In (2)
245	2102.85	118.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Salt water Rw .16 ohms @ 44 deg	1.68
125.00	SOCW 4%o 96%w	1.75
115.00	GOCWM 12%g 33%o 20%w 35%w	1.61

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petl. Corp.

Clawson A #1-1

P.O.Box 780208
Wichita Ks. 67278

1-31-32 Seward Ks.

Job Ticket: 16854

DST#: 3

ATTN: Wes Hansen

Test Start: 2003.03.03 @ 12:14:10

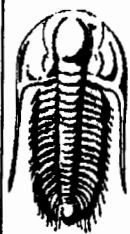
Tool Information

Drill Pipe:	Length: 4619.00 ft	Diameter: 3.80 inches	Volume: 64.79 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	69000.00 lb
			<u>Total Volume: 64.79 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4643.00 ft			Final	61000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	16.00 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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C.O. Sub	1.00			4617.00	
S.I. Tool	5.00			4622.00	
HMV	5.00			4627.00	
Jars	5.00			4632.00	
Safety Joint	2.00			4634.00	
Packer	4.00			4638.00	27.00 Bottom Of Top Packer
Packer	5.00			4643.00	
Stubb	1.00			4644.00	
Recorder	0.00	2342	Inside	4644.00	
Perforations	10.00			4654.00	
Recorder	0.00	13222	Outside	4654.00	
Bullnose	5.00			4659.00	16.00 Bottom Packers & Anchor

Total Tool Length: 43.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petr. Corp.

Clawson A #1-1

P.O. Box 780208
Wichita Ks. 67278

1-31-32 Seward Ks.

Job Ticket: 16854

DST#: 3

ATTN: Wes Hansen

Test Start: 2003.03.03 @ 12:14:10

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:

93000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
120.00	Salt water Rw .16 ohms @ 44 deg	1.683
125.00	SOCW 4%o 96%w	1.753
115.00	GOCWM 12%g 33%o 20%w 35%m	1.613

Total Length: 360.00 ft

Total Volume: 5.049 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

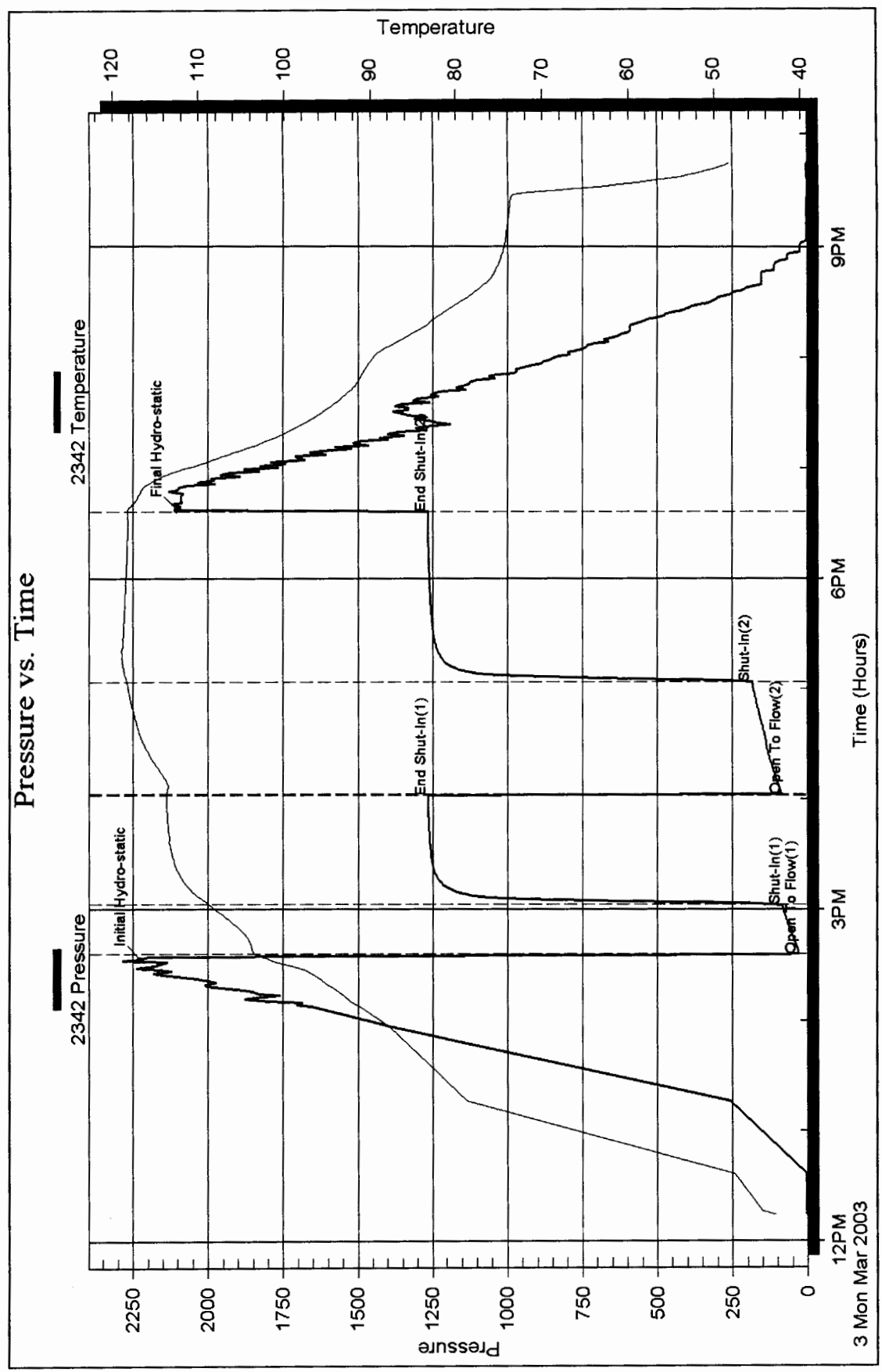
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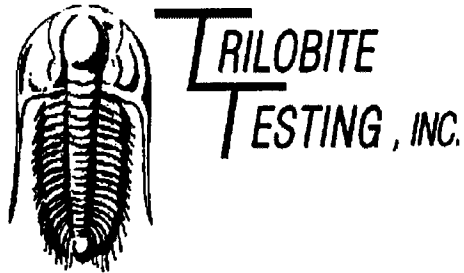
Inside

McCoy Peti Corp.

1-31-32 Sew and Ks.

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **McCoy Petl.Corp.**

P.O.Box 780208
Wichita Ks. 67278

ATTN: Wes Hansen

1-31-32 Seward Ks.

Clawson A #1-1

Start Date: 2003.03.06 @ 10:30:48

End Date: 2003.03.06 @ 21:27:18

Job Ticket #: 16855 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

McCoy Petr. Corp.

P.O. Box 780208
Wichita Ks. 67278

ATTN: Wes Hansen

Clawson A #1-1

1-31-32 Seward Ks.

Job Ticket: 16855

DST#: 4

Test Start: 2003.03.06 @ 10:30:48

GENERAL INFORMATION:

Formation: **Morrow**

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

Time Tool Opened: 13:07:33

Time Test Ended: 21:27:18

Test Type: **Conventional Bottom Hole**

Tester: **Gary Pevoteaux**

Unit No: **23**

Interval: **5292.00 ft (KB) To 5419.00 ft (KB) (TVD)**

Total Depth: **5419.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **2836.00 ft (KB)**

2831.00 ft (CF)

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

Serial #: 2342 Inside

Press@RunDepth: **30.50 psig @ 5293.00 ft (KB)**

Start Date: **2003.03.06**

End Date:

2003.03.06

Start Time: **10:30:49**

End Time:

21:27:18

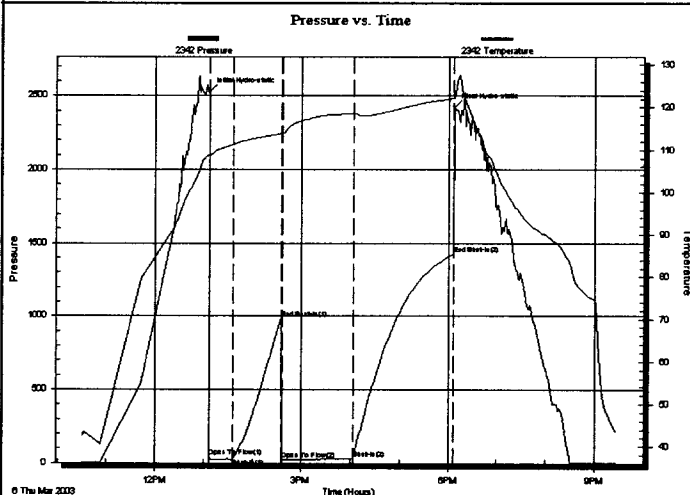
Capacity: **7000.00 psig**

Last Calib.: **2003.03.06**

Time On Btm: **2003.03.06 @ 13:06:48**

Time Off Btm: **2003.03.06 @ 18:07:03**

TEST COMMENT: IF: Fair to strong blow . B.O.B in 28 mins.
IS: No blow .
FF: Strong blow . B.O.B. in 5 - 10 secs.
FS: GTS in 1 min. Weak blow back 1/2 - 1".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2527.52	108.88	Initial Hydro-static
1	43.85	108.90	Open To Flow (1)
30	31.09	111.34	Shut-In (1)
89	983.00	113.92	End Shut-In (1)
90	25.21	113.89	Open To Flow (2)
177	30.50	118.56	Shut-In (2)
300	1423.95	122.08	End Shut-In (2)
301	2424.37	122.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	GCM 15%g 85%w /With a trace of oil.	0.77

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petl. Corp.

Clawson A #1-1

P.O. Box 780208
Wichita Ks. 67278

1-31-32 Seward Ks.

Job Ticket: 16855

DST#: 4

ATTN: Wes Hansen

Test Start: 2003.03.06 @ 10:30:48

Tool Information

Drill Pipe:	Length: 5296.00 ft	Diameter: 3.80 inches	Volume: 74.29 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 85000.00 lb
			Total Volume: 74.29 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	5292.00 ft			Final 70500.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	127.00 ft			
Tool Length:	154.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			5266.00	
S.I. Tool	5.00			5271.00	
HMV	5.00			5276.00	
Jars	5.00			5281.00	
Safety Joint	2.00			5283.00	
Packer	4.00			5287.00	27.00 Bottom Of Top Packer
Packer	5.00			5292.00	
Stubb	1.00			5293.00	
Recorder	0.00	2342	Inside	5293.00	
Perforations	3.00			5296.00	
C.O. Sub	1.00			5297.00	
Blank Spacing	94.00			5391.00	
C.O. Sub	1.00			5392.00	
Perforations	22.00			5414.00	
Recorder	0.00	13222	Outside	5414.00	
Bullnose	5.00			5419.00	127.00 Bottom Packers & Anchor
Total Tool Length:		154.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petl. Corp.

Clawson A #1-1

P.O.Box 780208
Wichita Ks. 67278

1-31-32 Seward Ks.

Job Ticket: 16855

DST#: 4

ATTN: Wes Hansen

Test Start: 2003.03.06 @ 10:30:48

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:

3000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
55.00	GCM 15%g 85%m /With a trace of oil.	0.772

Total Length: 55.00 ft

Total Volume: 0.772 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

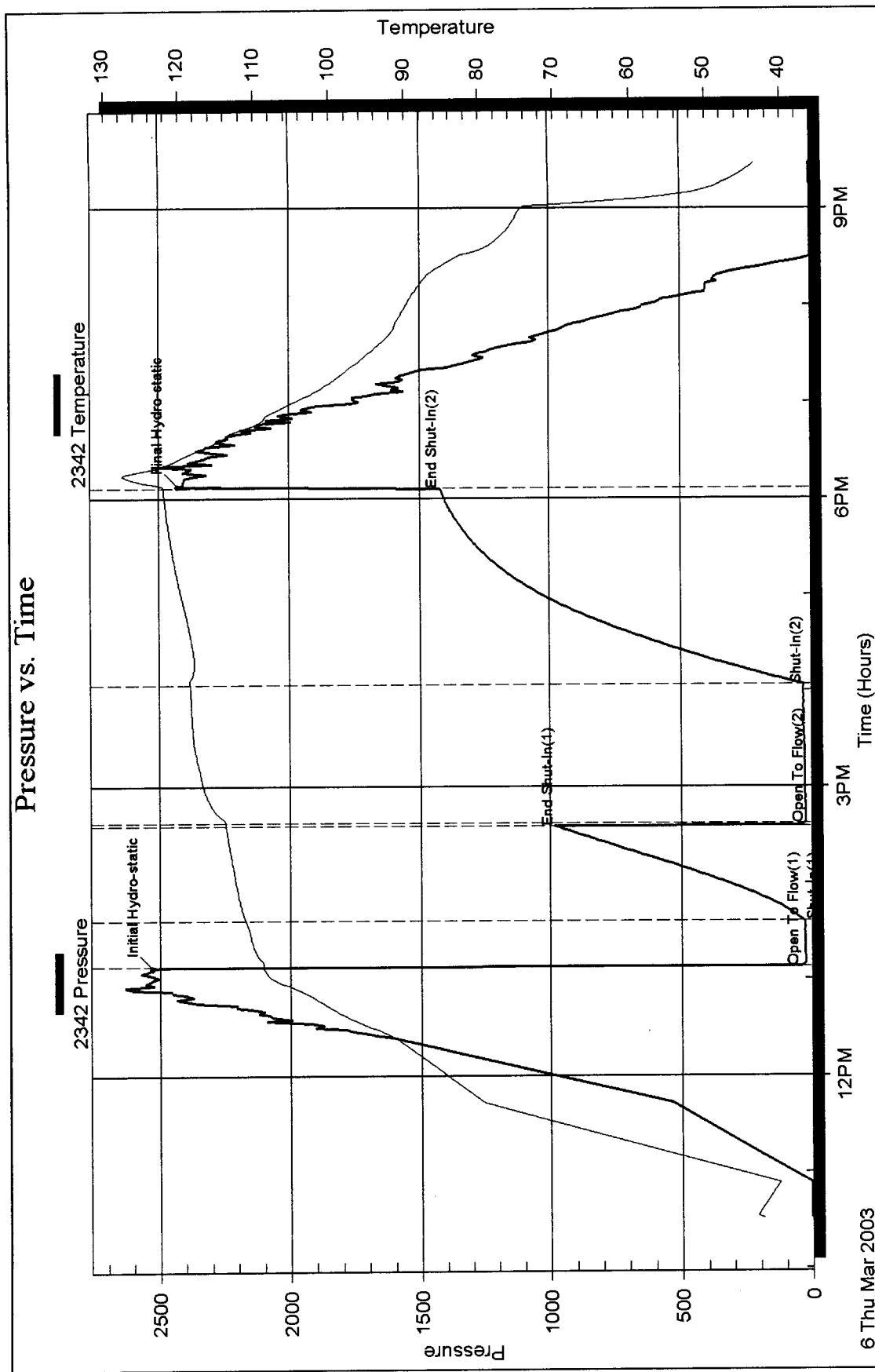
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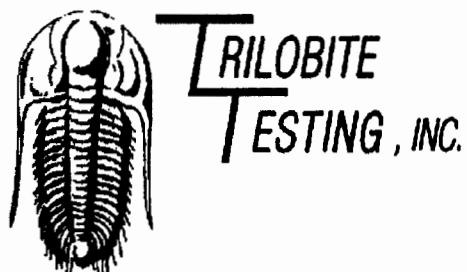
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **McCoy Petl.Corp.**

P.O.Box 780208
Wichita Ks. 67278

ATTN: Wes Hansen

1-31-32 Seward Ks.

Clawson A #1-1

Start Date: 2003.03.08 @ 02:26:11

End Date: 2003.03.08 @ 11:59:54

Job Ticket #: 16202 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

McCoy Petl. Corp.

P.O. Box 780208
Wichita Ks. 67278

ATTN: Wes Hansen

Clawson A #1-1

1-31-32 Seward Ks.

Job Ticket: 16202

DST#: 5

Test Start: 2003.03.08 @ 02:26:11

GENERAL INFORMATION:

Formation: **Miss**

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

Time Tool Opened: 05:10:39

Time Test Ended: 11:59:54

Test Type: **Conventional Bottom Hole**

Tester: **Shane McBride**

Unit No: **25**

Interval: **5602.00 ft (KB) To 5640.00 ft (KB) (TVD)**

Total Depth: **5640.00 ft (KB) (TVD)**

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

Reference Elevations: **2836.00 ft (KB)**

2831.00 ft (CF)

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

Serial #: 2341

Inside

Press@RunDepth: **31.40 psig @ 5603.00 ft (KB)**

Start Date: **2003.03.08**

End Date:

2003.03.08

Start Time: **02:26:11**

End Time:

11:59:54

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Time On Btm: **2003.03.08 @ 05:10:09**

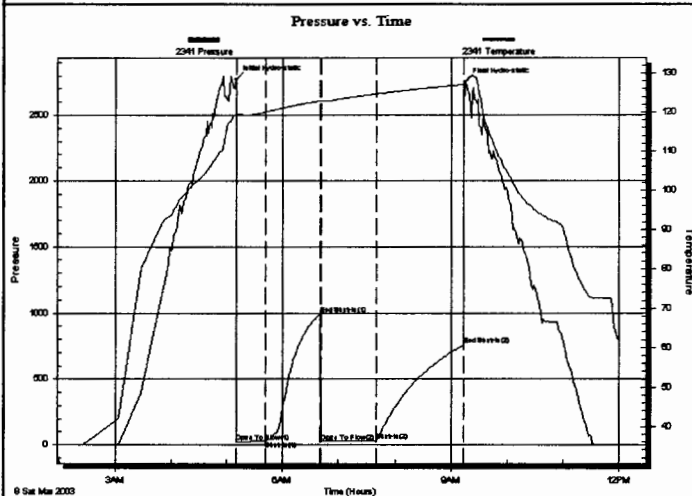
Time Off Btm: **2003.03.08 @ 09:15:09**

TEST COMMENT: **B.O.B. in 1 1/2 min.**

No return

B.O.B. @ open

Gas to surface during the bleed off , No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2775.39	119.46	Initial Hydro-static
1	20.65	119.48	Open To Flow (1)
32	30.44	120.06	Shut-In (1)
90	992.73	122.95	End Shut-In (1)
91	23.15	122.94	Open To Flow (2)
150	31.40	124.69	Shut-In (2)
244	755.59	127.10	End Shut-In (2)
245	2753.16	127.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	s g m 10%g 90%m	0.10

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petl. Corp.

P.O. Box 780208
Wichita Ks. 67278

ATTN: Wes Hansen

Clawson A #1-1

1-31-32 Seward Ks.

Job Ticket: 16202

DST#: 5

Test Start: 2003.03.08 @ 02:26:11

Tool Information

Drill Pipe:	Length: 5482.00 ft	Diameter: 3.80 inches	Volume: 76.90 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: 30000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 77.49 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	5602.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	65.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

C.O. Sub	1.00			5576.00	
S.I. Tool	5.00			5581.00	
HMV	5.00			5586.00	
Jars	5.00			5591.00	
Safety Joint	2.00			5593.00	
Packer	5.00			5598.00	27.00 Bottom Of Top Packer
Packer	4.00			5602.00	
Stubb	1.00			5603.00	
Recorder	0.00	2341	Inside	5603.00	
Perforations	32.00			5635.00	
Recorder	0.00	2023	Outside	5635.00	
Bullnose	5.00			5640.00	38.00 Bottom Packers & Anchor

Total Tool Length: 65.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petl. Corp.

Clawson A #1-1

P.O.Box 780208
Wichita Ks. 67278

1-31-32 Seward Ks.

Job Ticket: 16202

DST#: 5

ATTN: Wes Hansen

Test Start: 2003.03.08 @ 02:26:11

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: 60.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	s g m 10%g 90%m	0.098

Total Length: 20.00 ft

Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

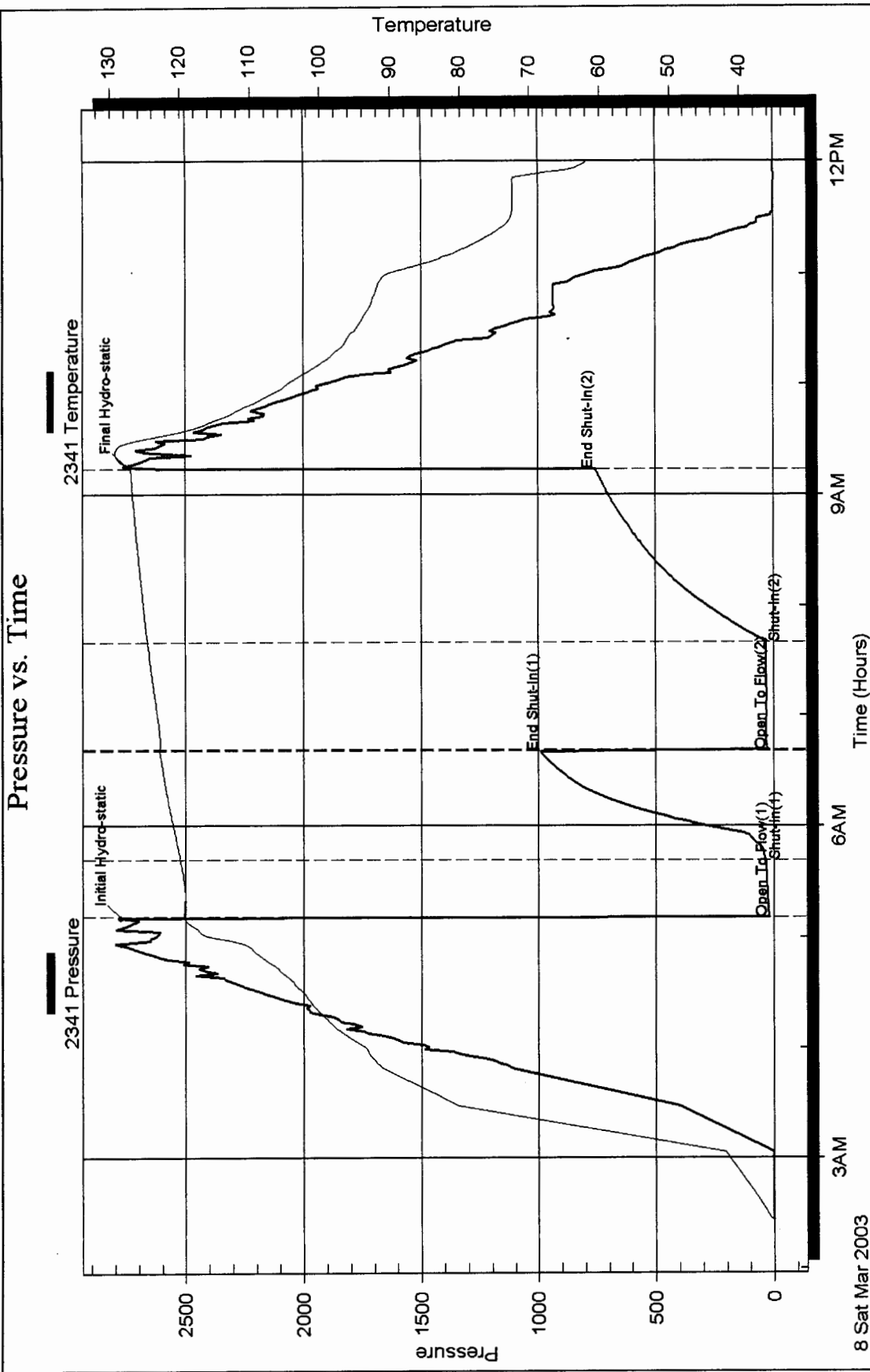
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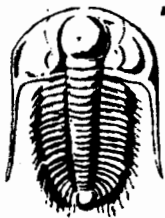
Inside

McCoy Peti Corp.

1-31-32 Sew and Ks.

DST Test Number: 5





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV #5441

No 16852

Test Ticket

Well Name & No. Clawson A #1-1 Test No. 1 Date 3-1-2003
 Company McCoy Pith Corp Zone Tested Hansing
 Address P.O. Box 780208, Wichita Ks 67278 Elevation 2836' KB 2831' GL
 Co. Rep / Geo. Wes Hansen Cont. Val Energy #1 Est. Ft. of Pay Por. %
 Location: Sec. 1 Twp. 31S Rge. 32W Co. Noward State Ks.
 No. of Copies Distribution Sheet (Y, N) Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 4241 - 4278' Initial Str Wt/Lbs. 56,000 Unseated Str Wt/Lbs. 57,000
 Anchor Length 37' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 68,000
 Top Packer Depth 4236' Tool Weight 2100#
 Bottom Packer Depth 4241' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓
 Total Depth 4278' Wt. Pipe Run None Drill Collar Run None
 Mud Wt. 9.1 LCM 3# Vis. 41 WL 11.6cc. Drill Pipe Size 4 1/2" x 14. Ft. Run 4218
 Blow Description IF: Wash below. Slow increase to 5". ISI: No blow.

FF: Wash below. Slow increase to 3 1/2" FSI: No blow.

Recovery — Total Feet 160 GIP 0 Ft. in DC 0 Ft. in DP 160
 Rec. 160 Feet Of MW %gas %oil 70 %water 30 %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 109 °F Gravity N/A °API D@ °F Corrected Gravity N/A °API
 RW .17 @ 42 °F Chlorides 73,000 ppm Recovery Chlorides 4,000 ppm System

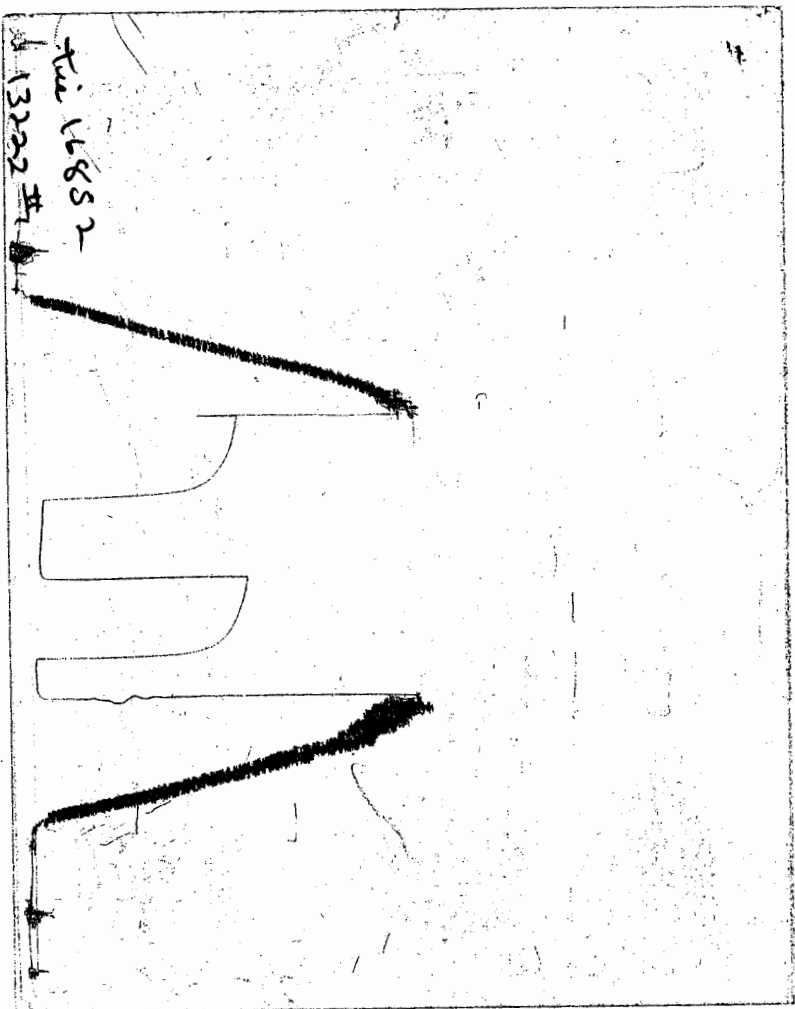
AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>2061</u> PSI	Recorder No. <u>2342</u>	T-On Location <u>0405</u>
(B) First Initial Flow Pressure	<u>21</u> PSI	(depth) <u>4242'</u>	T-Started <u>0535</u>
(C) First Final Flow Pressure	<u>51</u> PSI	Recorder No. <u>13222</u>	T-Open <u>0940</u>
(D) Initial Shut-In Pressure	<u>1182</u> PSI	(depth) <u>4273'</u>	T-Pulled <u>1313</u>
(E) Second Initial Flow Pressure	<u>53</u> PSI	Recorder No. <u> </u>	T-Out <u>1532</u>
(F) Second Final Flow Pressure	<u>100</u> PSI	(depth) <u> </u>	T-Off Location <u>1620</u>
(G) Final Shut-in Pressure	<u>1135</u> PSI	Initial Opening <u>30</u>	Test <u>✓</u> <u>800⁰⁰</u>
(Q) Final Hydrostatic Mud	<u>1282</u> PSI	Initial Shut-in <u>60</u>	Jars <u>✓</u> <u>200⁰⁰</u>
		Final Flow <u>60</u>	Safety Joint <u>✓</u> <u>50⁰⁰</u>
		Final Shut-in <u>60</u>	Straddle <u> </u>
		<u>7</u>	Circ. Sub <u> </u>
		<u>7</u>	Sampler <u> </u>

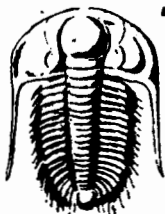
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Approved By Wesley Hansen
 Our Representative Gary R. Watson

From Hugoton → Mileage 50⁰⁰
 Other BY 60⁰⁰
 TOTAL PRICE \$ 1310⁰⁰
1310

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16853

Test Ticket

Well Name & No. Clawson A #1-1 Test No. 2 Date 3-2-2003
 Company McCoy Peth. Corp. Zone Tested Law G
 Address PO Box 980208, Wichita Ks. 67278 Elevation 2836 KB 2831 GL
 Co. Rep / Geo. Wes Hansen Cont. Val Energy #1 Est. Ft. of Pay Por. %
 Location: Sec. 1 Twp. 31^s Rge. 32^W Co. Seward State Ks.
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 4450 - 4506' Initial Str Wt./Lbs. 58,000 Unseated Str Wt./Lbs. 58,000
 Anchor Length 56' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 65,000
 Top Packer Depth 4445' Tool Weight 2100 #
 Bottom Packer Depth 4450' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓
 Total Depth 4506' Wt. Pipe Run None Drill Collar Run None
 Mud Wt. 9.1 LCM 3# Vis. 49 WL 11.4 cc. Drill Pipe Size 4 1/2" x H. Ft. Run 4431
 Blow Description IF: Wnd below. 1/2 - 1 1/2" - IST: No below.

FF: Wnd below 1/2 - 1". FST: No below.

Recovery — Total Feet 20 GIP 0 Ft. in DC 0 Ft. in DP 20
 Rec. 20 Feet Of Mud w/ oil specs %gas %oil %water %mud
 Rec. Feet Of Good Order! %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 103 °F Gravity N/A °API D@ °F Corrected Gravity N/A °API
 RW N.C. @ °F Chlorides 4,000 ppm Recovery Chlorides 4,000 ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud	<u>2130</u>	PSI	Recorder No. <u>2342</u>	T-On Location	<u>0904</u>	
(B) First Initial Flow Pressure	<u>32</u>	PSI	(depth) <u>4450'</u>	T-Started	<u>1004</u>	<u>1410</u>
(C) First Final Flow Pressure	<u>34</u>	PSI	Recorder No. <u>13222</u>	T-Open	<u>1635</u>	
(D) Initial Shut-In Pressure	<u>106</u>	PSI	(depth) <u>4501'</u>	T-Pulled	<u>1837</u>	
(E) Second Initial Flow Pressure	<u>31</u>	PSI	Recorder No. <u> </u>	T-Out	<u>2115</u>	
(F) Second Final Flow Pressure	<u>37</u>	PSI	(depth) <u> </u>	T-Off Location	<u>2145</u>	
(G) Final Shut-in Pressure	<u>90</u>	PSI	Initial Opening <u>30</u>	Test	<u>✓</u>	<u>800⁰⁰ 800</u>
(Q) Final Hydrostatic Mud	<u>2045</u>	PSI	Initial Shut-in <u>30</u>	Jars	<u>✓</u>	<u>200⁰⁰ 200</u>
			Final Flow <u>30</u>	Safety Joint	<u>✓</u>	<u>50⁰⁰ 50</u>
			Final Shut-in <u>30</u>	Straddle	<u> </u>	
			<u>4</u>	Circ. Sub	<u> </u>	
				Sampler	<u> </u>	
				Extra Packer	<u> </u>	
				Elec. Rec.	<u>✓</u>	<u>150⁰⁰ 150</u>
				Mileage	<u>✓</u>	<u>50⁰⁰ 50</u>
				Other <u>By</u>	<u>✓</u>	<u>90⁰⁰ 90</u>
				TOTAL PRICE \$	<u>✓</u>	<u>1340⁰⁰ 1340</u>

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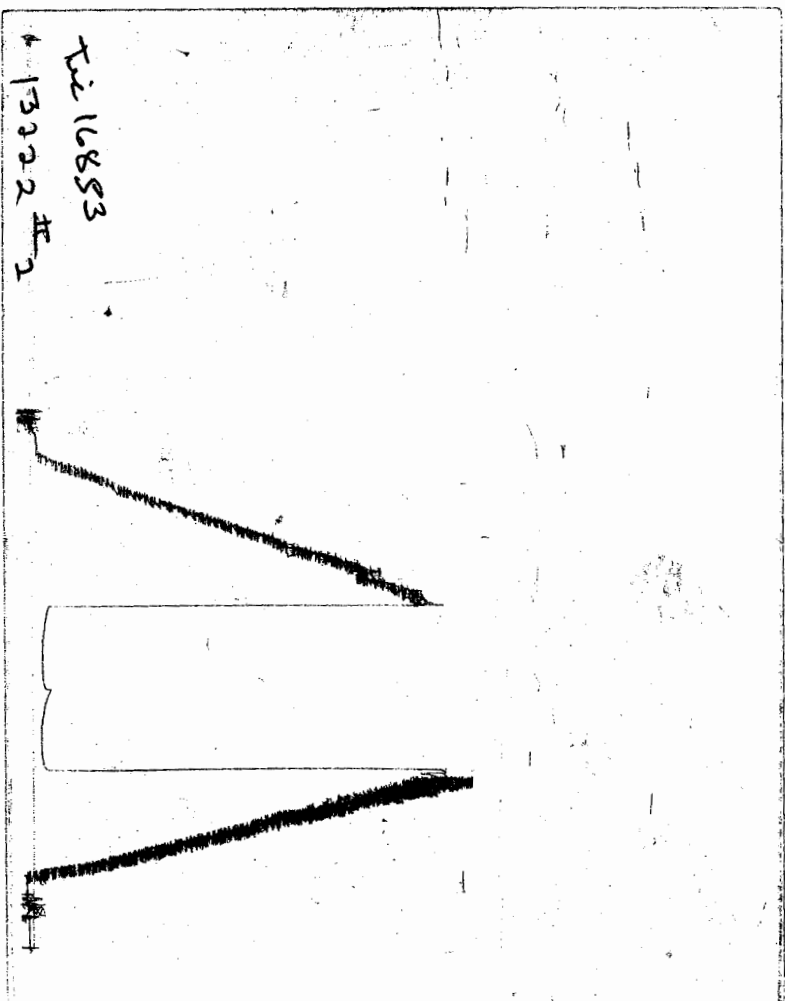
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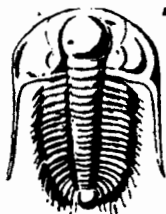
Our Representative Gary Twolaney

From Hugoton →

STAND BY
#1340

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16854

Test Ticket

Well Name & No.	Clayton A #1-1		Test No.	3	Date	3-3-2003
Company	McCoy Petr. Corp.		Zone Tested	Nugget		
Address	Wichita Ks. 67278		Elevation	2836 KB	2831 GL	
Co. Rep / Geo.	Wes Hansen	Cont.	Val Energy #1	Est. Ft. of Pay	Por. %	
Location: Sec.	1	Twp.	31 S	Rge.	32 W	Co. Seward State Ks
No. of Copies	5	Distribution Sheet (Y, N)	N	Turnkey (Y, N)	Evaluation (Y, N)	

Interval Tested 4643 - 4659' Initial Str Wt/Lbs. 10,000 Unseated Str Wt/Lbs. 61,000
 Anchor Length 16 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 69,000
 Top Packer Depth 4638' Tool Weight 2100 #
 Bottom Packer Depth 4643' Hole Size — 7 7/8" ☒ Rubber Size — 6 3/4" ☒
 Total Depth 4659' Wt. Pipe Run None Drill Collar Run None
 Mud Wt. 9.0 LCM 2# Vis. SI WL 9.4 cc Drill Pipe Size 4 1/2" x H. Ft. Run 4619
 Blow Description IF: Strong below. B.O.B. in 40 sec. ISI: Weak below. 1-3".
FF: Strong below B.O.B. in 45 sec. GTS in 27 mins. TSTM.
FSI: Weak to fair below. 1-8".

Recovery — Total Feet	<u>360</u>	GIP	<u>yes</u>	Ft. in DC	<u>0</u>	Ft. in DP	<u>360</u>
Rec.	<u>115</u>	Feet Of	<u>60CWM</u>	12% gas	<u>38</u>	%oil	<u>20</u>
Rec.	<u>125</u>	Feet Of	<u>50CW</u>	%gas	<u>4</u>	%oil	<u>96</u>
Rec.	<u>120</u>	Feet Of	<u>Salt Water</u>	%water		%mud	
Rec.		Feet Of		%water		%mud	
Rec.		Feet Of		%water		%mud	
BHT	<u>118</u>	°F Gravity	<u>N/A</u>	°API D@		°F Corrected Gravity	<u>N/A</u>
RW	<u>-16</u>	°F	<u>44</u>	Chlorides	<u>93,000</u>	ppm Recovery	Chlorides <u>3,000</u> ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	2225	PSI	Recorder No.	2342	T-On Location	1155
(B) First Initial Flow Pressure			31	PSI	(depth)	4644'	T-Started	1214
(C) First Final Flow Pressure			86	PSI	Recorder No.	13222	T-Open	1435
(D) Initial Shut-In Pressure			1265	PSI	(depth)	4654'	T-Pulled	1833
(E) Second Initial Flow Pressure			84	PSI	Recorder No.		T-Out	2144
(F) Second Final Flow Pressure			185	PSI	(depth)		T-Off Location	2230
(G) Final Shut-in Pressure			1265	PSI	Initial Opening	30	Test	☒ 800 00200
(Q) Final Hydrostatic Mud			2103	PSI	Initial Shut-in	60	Jars	☒ 200 00200

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Approved By Wesley Hansen

Our Representative Craig Swanson

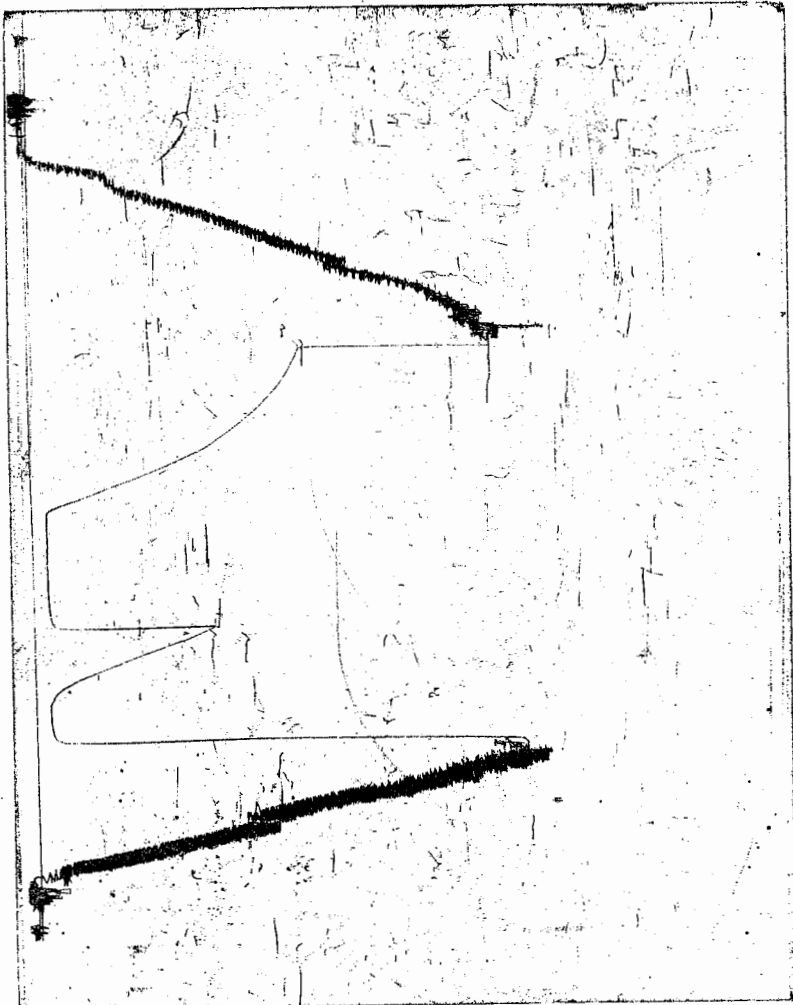
Final Flow 60 Safety Joint ☒ 50 0050
 Final Shut-in 90 Straddle
 Circ. Sub
 Sampler

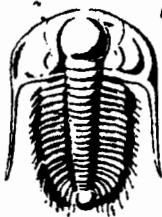
From Hugoton

Extra Packer
 Elec. Rec. ☒ 150 00 150
 Mileage ☒ 50 00 50
 Other ☒ 30 00 30
 TOTAL PRICE \$ ☒ 1280 00250 30
 \$1280

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16855

Test Ticket

Well Name & No. <u>Clauson A #1-1</u>	Test No. <u>4</u>	Date <u>3-6-2003</u>
Company <u>McGraw Hill Corp.</u>	Zone Tested <u>Monroe</u>	
Address <u>Wichita Ks. 67278</u>	Elevation <u>2836</u> KB <u>2831</u> GL	
Co. Rep / Geo. <u>Wes Hansen</u>	Cont. <u>Val Energy #1</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>1</u> Twp. <u>31 S</u> Rge. <u>32 W</u>	Co. <u>Deward</u> State <u>Ks.</u>	
No. of Copies <u>5</u> Distribution Sheet (Y, N) <u>N</u>	Turnkey (Y, N) <u> </u>	Evaluation (Y, N) <u> </u>

Interval Tested 5292 - 5419' Initial Str Wt/Lbs. 70,000 Unseated Str Wt/Lbs. 70,500
 Anchor Length 127' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 85,000
 Top Packer Depth 5287' Tool Weight 2100#
 Bottom Packer Depth 5292' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓
 Total Depth 5419' Wt. Pipe Run None Drill Collar Run None
 Mud Wt. 9.1 LCM 4# Vis. 50 WL 8.0 cc. Drill Pipe Size 4 1/2" x 4 Ft. Run 5296
 Blow Description IF: Fair to strong blow. B.O.B. in 28 mins.

ISI: No blow.

FF: Strong blow. B.O.B. in 5-10 sec. FST: 655 1 min. in to
 FSIP: Weak blow loads 1/2 - 1".

Recovery — Total Feet 55 GIP yes Ft. in DC 0 Ft. in DP 55
 Rec. 55 Feet Of GCM with a 15 %gas %oil %water 85 %mud
 Rec. Feet Of trace of oil %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 122 °F Gravity N/A °API D@ °F Corrected Gravity N/A °API
 RW N.C. @ °F Chlorides 3,000 ppm Recovery Chlorides 3,000 ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud		2527		2342	0930
(B) First Initial Flow Pressure		44		(depth) 5293'	T-Started 1030
(C) First Final Flow Pressure		31		Recorder No. 13222	T-Open 1307
(D) Initial Shut-In Pressure		983		(depth) 5414'	T-Pulled 1806
(E) Second Initial Flow Pressure		25		Recorder No. —	T-Out 2127
(F) Second Final Flow Pressure		31		(depth) —	T-Off Location 2250
(G) Final Shut-in Pressure		1424	PSI	Initial Opening 30	Test <u>✓</u> 900 900
(Q) Final Hydrostatic Mud		2424	PSI	Initial Shut-in 60	Jars <u>✓</u> 200 200
				Final Flow 90	Safety Joint <u>✓</u> 50 50
				Final Shut-in 120	Straddle <u> </u>
				<u> </u>	Circ. Sub <u> </u>
				<u> </u>	Sampler <u> </u>
					Extra Packer <u> </u>
					Elec. Rec. <u>✓</u> 150 150
					Mileage <u>✓</u> 50 50
					Other <u>STAND BY</u> <u>✓</u> 60 1350
					TOTAL PRICE \$ <u>✓</u> 1410 1410

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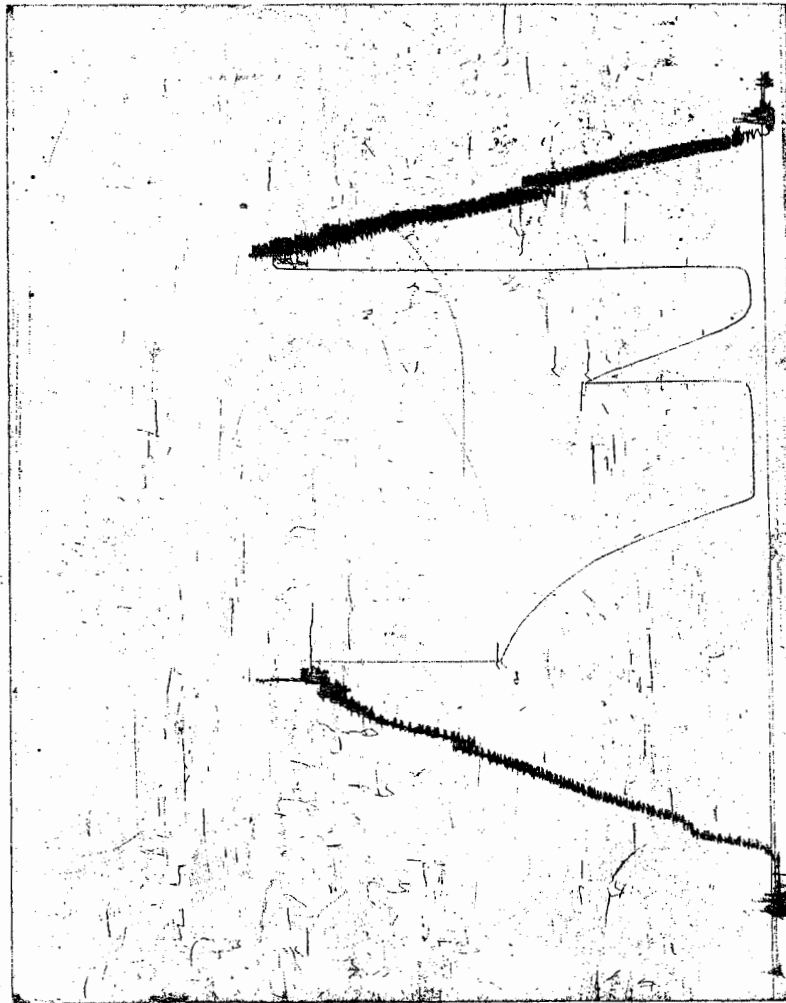
Approved By Wes Hansen

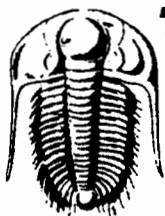
Our Representative Wes Hansen

From Hugoton

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16202

Test Ticket

Well Name & No. <u>Clawson "A" #1-1</u>	Test No. <u>#5</u>	Date <u>3-8-03</u>
Company <u>McCoy Petro. Corp</u>	Zone Tested <u>MISS</u>	
Address <u>P.O. Box 780208 Wichita, KS 67278</u>	Elevation <u>2836'</u> KB <u>2831'</u> GL	
Co. Rep / Geo. <u>Wes Hans</u>	Cont. <u>Val</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>1</u> Twp. <u>31S</u> Rge. <u>32W</u>	Co. <u>Seward</u>	State <u>KS</u>
No. of Copies <u>1 Norm</u>	Distribution Sheet (Y, N) <u> </u>	Turnkey (Y, N) <u> </u> Evaluation (Y, N) <u> </u>

Interval Tested <u>5602'</u>	<u>5640'</u>	Initial Str Wt./Lbs. <u>68,000</u>	Unseated Str Wt./Lbs. <u>68,000</u>
Anchor Length <u>38'</u>		Wt. Set Lbs. <u>30,000</u>	Wt. Pulled Loose/Lbs. <u>85,000</u>
Top Packer Depth <u>5597'</u>		Tool Weight <u>1,500</u>	
Bottom Packer Depth <u>5602'</u>		Hole Size — 7 7/8" <u>✓</u>	Rubber Size — 6 3/4" <u>✓</u>
Total Depth <u>5640'</u>		Wt. Pipe Run <u> </u>	Drill Collar Run <u>120'</u>
Mud Wt. <u>9.1</u> LCM <u>#4</u> Vis. <u> </u> WL <u>9.2</u>		Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>5482'</u>
Blow Description <u>B.O.B in 1 1/2 min</u>			
<u>No return</u>			

B.O.B @ open
(Gas to Surface during the bleed off) No return

Recovery — Total Feet <u>20'</u>	GIP <u>G.T.S.</u>	Ft. in DC <u>20'</u>	Ft. in DP <u> </u>
Rec. <u>20'</u> Feet Of <u>sgm</u>	<u>10</u> %gas	%oil	%water <u>90</u> %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water <u> </u> %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water <u> </u> %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water <u> </u> %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water <u> </u> %mud
BHT <u>127°</u> °F Gravity <u> </u>	°API D@ <u> </u>	°F Corrected Gravity <u> </u>	°API <u> </u>
RW <u> </u> @ <u> </u> °F	Chlorides <u> </u> ppm Recovery	Chlorides <u>3,900</u> ppm System	

	AK-1	Alpine	
(A) Initial Hydrostatic Mud	<u>2775</u>	PSI	Recorder No. <u>2341</u>
(B) First Initial Flow Pressure	<u>20</u>	PSI	(depth) <u>5603'</u>
(C) First Final Flow Pressure	<u>30</u>	PSI	Recorder No. <u>2023</u>
(D) Initial Shut-In Pressure	<u>992</u>	PSI	(depth) <u>5635'</u>
(E) Second Initial Flow Pressure	<u>23</u>	PSI	Recorder No. <u> </u>
(F) Second Final Flow Pressure	<u>31</u>	PSI	(depth) <u> </u>
(G) Final Shut-in Pressure	<u>755</u>	PSI	Initial Opening <u>30</u>
(Q) Final Hydrostatic Mud	<u>2753</u>	PSI	Initial Shut-in <u>60</u>
			Final Flow <u>60</u>
			Final Shut-in <u>90</u>

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Approved By Wesley Hansen
 Our Representative Shane M. B. D.

T-On Location 23:00 p.m.
 T-Started 02:30 A.M.
 T-Open 05:15 A.M.
 T-Pulled 09:15 A.M.
 T-Out 12:25 p.m.
 T-Off Location 13:55pm
 Test X 900
 Jars X 200
 Safety Joint X 50
 Straddle
 Circ. Sub X N/C
 Sampler
 Extra Packer
 Elec. Rec. X 150
 Mileage X 90 /way 50
 Other 4.5 Sandbag 1350
 TOTAL PRICE \$ 1530

CHART PAGE

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

