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TRILOBITE
TESTING, INC.

KCC
JUN 18 2002
CONFIDENTIAL

DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corp**

P O Box 780208
Wichita, Ks 67278-0208

ATTN: Bob O'Dell

~~14-11-34~~ Logan Ks

Smith 'A' 1-14

Start Date: 2003.04.26 @ 22:58:25

End Date: 2003.04.27 @ 06:58:10

Job Ticket #: 16945 DST #: 1

RELEASED
FROM
CONFIDENTIAL

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

CONFIDENTIAL

ORIGINAL


**TRILOBITE
TESTING, INC.**
DRILL STEM TEST REPORT

McCoy Petroleum Corp

 P O Box 780208
 Wichita, Ks 67278-0208

ATTN: Bob O'Dell

KCC
JUN 18 2002

CONFIDENTIAL

Smith 'A' 1-14

14-11-34-Logan Ks

Job Ticket: 16945

DST#: 1

Test Start: 2003.04.26 @ 22:58:25

GENERAL INFORMATION:

Formation: I LKC

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:11:40

Time Test Ended: 06:58:10

Interval: 4274.00 ft (KB) To 4306.00 ft (KB) (TVD)

Total Depth: 4306.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Reference Elevations: 3176.00 ft (KB)

3171.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 2357

Inside

Press@RunDepth: 22.75 psig @ 4275.00 ft (KB)

Start Date: 2003.04.26 End Date: 2003.04.27

Start Time: 22:58:30 End Time: 06:58:09

Capacity: 7000.00 psig

Last Calib.: 2003.04.27

Time On Btm: 2003.04.27 @ 01:08:55

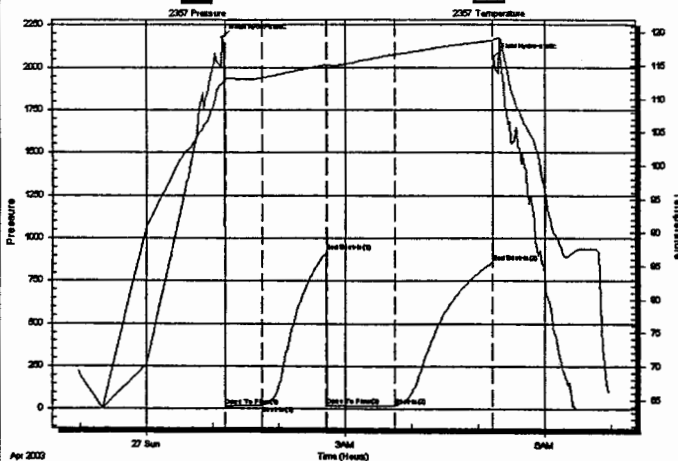
Time Off Btm: 2003.04.27 @ 05:13:55

TEST COMMENT: F-Weak steady 1/8" blow

FF-No blow

Times-30-60-60-90

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2173.64	112.36	Initial Hydro-static
3	14.46	113.06	Open To Flow (1)
35	18.60	113.20	Shut-in (1)
94	919.89	115.18	End Shut-in (1)
94	18.28	115.18	Open To Flow (2)
156	22.75	116.69	Shut-in (2)
244	860.47	118.81	End Shut-in (2)
245	2057.64	118.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	DM w/oil show on top	0.07

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcfd)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corp

Smith: 'A' 1-14

P O Box 780208
Wichita, Ks 67278-0208

14-11-34-Logan Ks

Job Ticket: 16945

DST#: 1

ATTN: Bob O'Dell

Test Start: 2003.04.26 @ 22:58:25

Tool Information

Drill Pipe:	Length: 3779.00 ft	Diameter: 3.80 inches	Volume: 53.01 bbl	Tool Weight: 2000.00 lb
Heavy WL Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 482.00 ft	Diameter: 2.25 inches	Volume: 2.37 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume:	55.38 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4274.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	32.00 ft			
Tool Length:	53.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Combination Sub	1.00			4254.00	
S.I. Tool	5.00			4259.00	
HMV	5.00			4264.00	
Packer	5.00			4269.00	21.00 Bottom Of Top Packer
Packer	5.00			4274.00	
Stubb	1.00			4275.00	
Recorder	0.00	2357	Inside	4275.00	
Perforations	28.00			4303.00	
Recorder	0.00	13254	Outside	4303.00	
Bullnose	3.00			4306.00	32.00 Bottom Packers & Anchor
Total Tool Length:	53.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corp

Smith 'A' 1-14

P O Box 780208
Wichita, Ks 67278-0208

14-11-34-Logan Ks

Job Ticket: 16945

DST#: 1

ATTN: Bob O'Dell

Test Start: 2003.04.26 @ 22:58:25

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: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	DM w/oil show on top	0.074

Total Length: 15.00 ft

Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

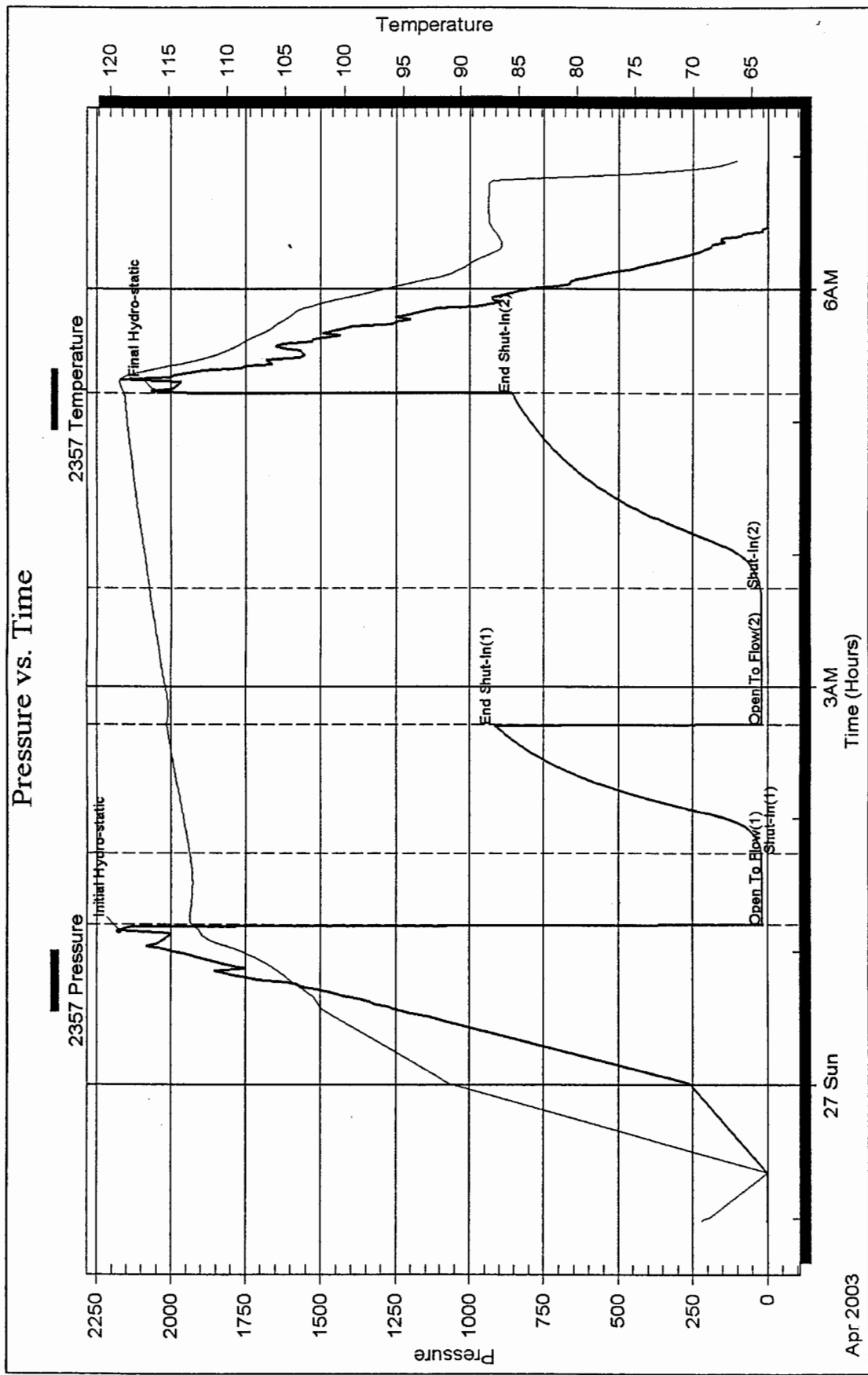
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corp**

P O Box 780208
Wichita, Ks 67278-0208

ATTN: Bob O'Dell

14-11-34-Logan Ks

Smith 'A' 1-14

Start Date: 2003.04.27 @ 18:52:04

End Date: 2003.04.28 @ 02:39:34

Job Ticket #: 16946 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
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DRILL STEM TEST REPORT

McCoy Petroleum Corp

P O Box 780208
Wichita, Ks 67278-0208

ATTN: Bob O'Dell

Smith 'A' 1-14

14-11-34-Logan Ks

Job Ticket: 16946

DST#: 2

Test Start: 2003.04.27 @ 18:52:04

GENERAL INFORMATION:

Formation: K LKC

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:47:19

Time Test Ended: 02:39:34

Interval: 4322.00 ft (KB) To 4360.00 ft (KB) (TVD)

Total Depth: 4306.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Reference Elevations: 3176.00 ft (KB)

3171.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 2357

Inside

Press@RunDepth: 72.14 psig @ 4323.00 ft (KB)

Start Date: 2003.04.27

End Date:

2003.04.28

Start Time: 18:52:09

End Time:

02:39:33

Capacity: 7000.00 psig

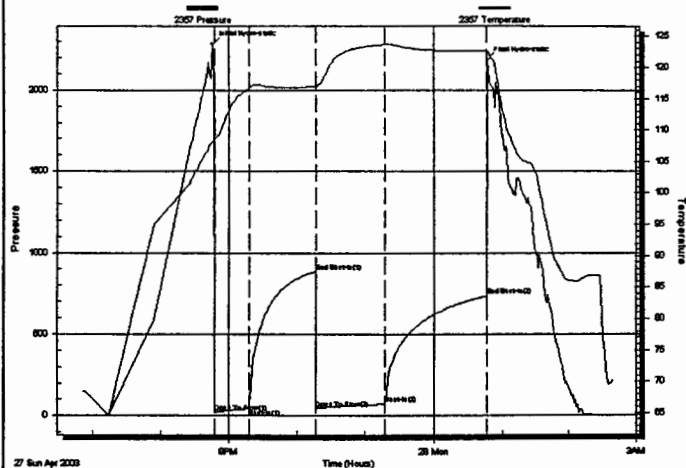
Last Calib.: 2003.04.28

Time On Btm: 2003.04.27 @ 20:45:34

Time Off Btm: 2003.04.28 @ 00:47:04

TEST COMMENT: F-Weak building to 1"
FF-Weak steady surface blow
Times-30-60-60-90

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2283.77	108.06	Initial Hydro-static
2	17.26	108.56	Open To Flow (1)
33	42.94	116.74	Shut-in(1)
91	885.82	116.94	End Shut-in(1)
92	45.50	116.96	Open To Flow (2)
152	72.14	123.66	Shut-in(2)
241	734.92	122.62	End Shut-in(2)
242	2185.23	122.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Mdy wtr 40% m 60% w	0.59
0.00	Rw .33 @ 77 = 19000ppm	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corp

Smith 'A' 1-14

P O Box 780208
Wichita, Ks 67278-0208

14-11-34-Logan Ks

Job Ticket: 16946

DST#:2

ATTN: Bob O'Dell

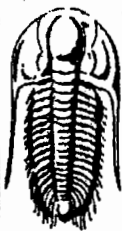
Test Start: 2003.04.27 @ 18:52:04

Tool Information

Drill Pipe:	Length: 3840.00 ft	Diameter: 3.80 inches	Volume: 53.87 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: 25000.00 lb
Drill Collar:	Length: 482.00 ft	Diameter: 2.25 inches	Volume: 2.37 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume: 56.24 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4322.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	59.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Combination Sub	1.00			4302.00	
S.L. Tool	5.00			4307.00	
ILM	5.00			4312.00	
Packer	5.00			4317.00	21.00 Bottom Of Top Packer
Packer	5.00			4322.00	
Sub	1.00			4323.00	
Recorder	0.00	2357	Inside	4323.00	
Perforations	34.00			4357.00	
Recorder	0.00	13254	Outside	4357.00	
Sub	3.00			4360.00	38.00 Bottom Packers & Anchor
Total Tool Length:	59.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corp

Smith 'A' 1-14

P O Box 780208
Wichita, Ks 67278-0208

14-11-34-Logan Ks

Job Ticket: 16946

DST#: 2

ATTN: Bob O'Dell

Test Start: 2003.04.27 @ 18:52:04

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:

19000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Mdy w tr 40% m 60% w	0.590
0.00	Rw .33 @ 77 = 19000ppm	0.000

Total Length: 120.00 ft

Total Volume: 0.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 2

14-11-34-Logan Kg

Midco Petroleum Corp

Inside

Serial #: 2357

Pressure vs. Time

