

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

8080 E. Central Ste. 300
Wichita Ks. 67206

ATTN: Terry McLeod

30-30s-9w Kingman Ks

Elliott G.U.Twin#1-30

Start Date: 2005.09.15 @ 21:30:51

End Date: 2005.09.16 @ 05:21:06

Job Ticket #: 21764

DST #: 1

RECEIVED
KANSAS CORPORATION COMMISSION
DEC 05 2007
CONSERVATION DIVISION
WICHITA, KS

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.

8080 E Central Ste. 300
Wichita Ks. 67206

ATTN: Terry McLeod

Elliott G.U. Twin#1-30

30-30s-9w Kingman Ks

Job Ticket: 21764

DST#: 1

Test Start: 2005.09.15 @ 21:30:51

GENERAL INFORMATION:

Formation: **Miss.**

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

Time Tool Opened: 23:45:51

Time Test Ended: 05:21:06

Test Type: **Conventional Bottom Hole**

Tester: **Gary Pevoteaux**

Unit No: **23**

Interval: **4396.00 ft (KB) To 4406.00 ft (KB) (TVD)**

Total Depth: **4406.00 ft (KB) (TVD)**

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

Reference Elevations: **1709.00 ft (KB)**

1700.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6771

Inside

Press@RunDepth: **29.46 psig @ 4397.00 ft (KB)**

Start Date: **2005.09.15**

End Date:

2005.09.16

Start Time: **21:30:56**

End Time:

05:21:05

Capacity: **7000.00 psig**

Last Calib.: **2005.09.16**

Time On Btm: **2005.09.15 @ 23:43:36**

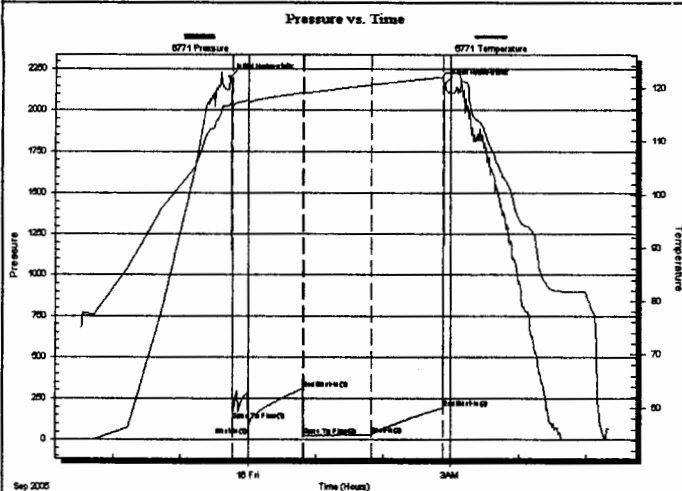
Time Off Btm: **2005.09.16 @ 02:54:51**

TEST COMMENT: IF: Weak surging blow. 1/2 - 1". Flushed tool 14 mins. in to IFP.

IS: No blow.

FF: Fair to strong blow. B.O.B. in 12 mins.

FST: No blow.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2200.69	116.77	Initial Hydro-static
3	118.27	116.11	Open To Flow (1)
17	79.03	117.37	Shut-In(1)
65	310.72	119.07	End Shut-In(1)
66	22.83	119.00	Open To Flow (2)
126	29.46	120.55	Shut-In(2)
190	193.83	122.00	End Shut-In(2)
192	2163.13	122.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Drig. mud. Show of clean oil @ tool	0.10
0.00	370 ft. of GIP	0.00

Gas Rates

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

TOOL DIAGRAM

McCoy Petl. Corp.

8080 E. Central Ste. 300
Wichita Ks. 67206

ATTN: Terry McLeod

Elliott G.U. Twin#1-30

30-30s-9w Kingman Ks

Job Ticket: 21764

DST#: 1

Test Start: 2005.09.15 @ 21:30:51

Tool Information

Drill Pipe:	Length: 4210.00 ft	Diameter: 3.80 inches	Volume: 59.06 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: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 80000.00 lb
			Total Volume: 59.97 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4396.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	32.00 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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Change Over Sub	1.00			4375.00	
Shut In Tool	5.00			4380.00	
Hydraulic tool	5.00			4385.00	
Safety Joint	2.00			4387.00	
Packer	4.00			4391.00	22.00 Bottom Of Top Packer
Packer	5.00			4396.00	
Stubb	1.00			4397.00	
Recorder	0.00	6771	Inside	4397.00	
Perforations	4.00			4401.00	
Recorder	0.00	13222	Outside	4401.00	
Bullnose	5.00			4406.00	10.00 Bottom Packers & Anchor

Total Tool Length: 32.00



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FLUID SUMMARY

McCoy Petr. Corp.

Elliott G.U. Twin#1-30

8080 E Central Ste. 300
Wichita Ks. 67206

30-30s-9w Kingman Ks

Job Ticket: 21764

DST#: 1

ATTN: Terry McLeod

Test Start: 2005.09.15 @ 21:30:51

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:

5000 ppm

Viscosity: 42.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Drig. mud. Show of clean oil @ tool	0.098
0.00	370 ft. of GIP	0.000

Total Length: 20.00 ft

Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

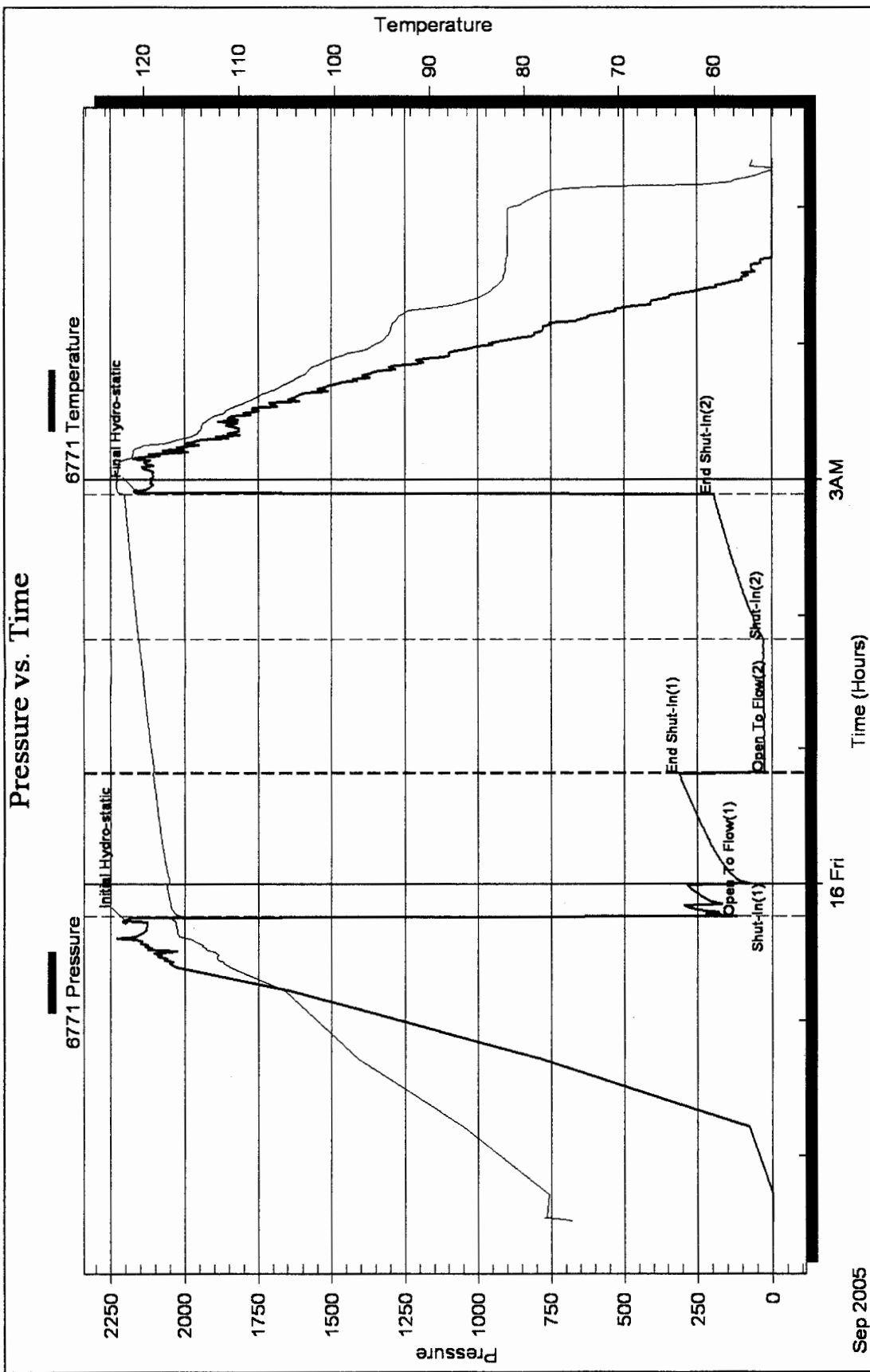
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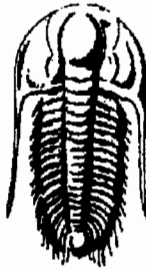
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





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8080 E. Central Ste.300
Wichita Ks. 67206

ATTN: Terry McLeod

30-30s-9w Kingman Ks

Elliott G.U.Twin#1-30

Start Date: 2005.09.16 @ 12:19:17

End Date: 2005.09.16 @ 19:54:02

Job Ticket #: 21765 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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DRILL STEM TEST REPORT

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8080 E. Central Ste. 300
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ATTN: Terry McLeod

Elliott G.U. Twin#1-30

30-30s-9w Kingman Ks

Job Ticket: 21765

DST#: 2

Test Start: 2005.09.16 @ 12:19:17

GENERAL INFORMATION:

Formation: **Miss.**

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

Time Tool Opened: 14:20:02

Time Test Ended: 19:54:02

Test Type: **Conventional Bottom Hole**

Tester: **Gary Revoteaux**

Unit No: **23**

Interval: **4404.00 ft (KB) To 4416.00 ft (KB) (TVD)**

Total Depth: **4416.00 ft (KB) (TVD)**

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

Reference Elevations: **1709.00 ft (KB)**

1700.00 ft (CF)

KB to GR/CF: **9.00 ft**

Serial #: **6771**

Inside

Press@RunDepth: **35.48 psig @ 4405.00 ft (KB)**

Start Date: **2005.09.16**

End Date:

2005.09.16

Capacity: **7000.00 psig**

Last Calib.: **2005.09.16**

Start Time: **12:19:22**

End Time:

19:54:01

Time On Btm: **2005.09.16 @ 14:18:32**

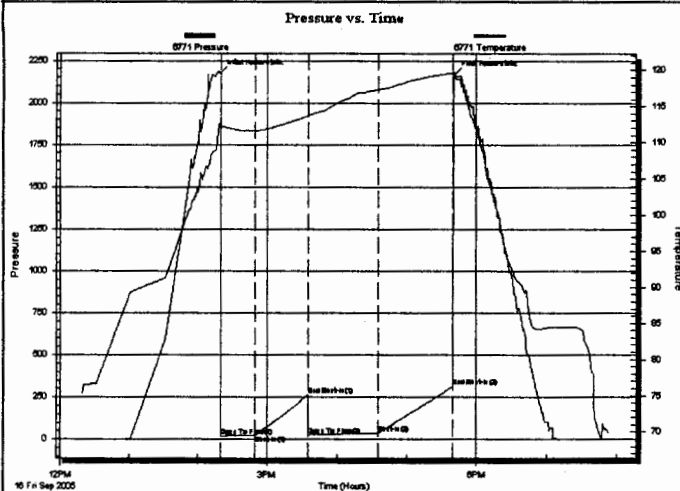
Time Off Btm: **2005.09.16 @ 17:41:02**

TEST COMMENT: **IF: Fair blow. Slow increase to 13".**

IS: No blow.

FF: Fair blow. Slow increase to 9".

FS: No blow.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2175.30	112.63	Initial Hydro-static
2	18.28	112.12	Open To Flow (1)
31	24.10	111.60	Shut-In(1)
77	261.44	113.63	End Shut-In(1)
77	23.23	113.62	Open To Flow (2)
137	35.48	117.31	Shut-In(2)
201	311.38	119.58	End Shut-In(2)
203	2167.17	119.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	1%o 99% m	0.12
0.00	220 ft. of GIP	0.00

Gas Rates

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

McCoy Petl. Corp.

Elliott G.U. Twin#1-30

8080 E Central Ste. 300
Wichita Ks. 67206

30-30s-9w Kingman Ks

Job Ticket: 21765

DST#: 2

ATTN: Terry McLeod

Test Start: 2005.09.16 @ 12:19:17

Tool Information

Drill Pipe:	Length: 4210.00 ft	Diameter: 3.80 inches	Volume: 59.06 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: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 93000.00 lb
		Total Volume:	59.97 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4404.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	34.00 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			4383.00	
Shut In Tool	5.00			4388.00	
Hydraulic tool	5.00			4393.00	
Safety Joint	2.00			4395.00	
Packer	4.00			4399.00	22.00 Bottom Of Top Packer
Packer	5.00			4404.00	
Stubb	1.00			4405.00	
Recorder	0.00	6771	Inside	4405.00	
Perforations	6.00			4411.00	
Recorder	0.00	13222	Outside	4411.00	
Bullnose	5.00			4416.00	12.00 Bottom Packers & Anchor
Total Tool Length:		34.00			



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30-30s-9w Kingman Ks

Job Ticket: 21765

DST#: 2

ATTN: Terry McLeod

Test Start: 2005.09.16 @ 12:19:17

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:

5000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	1%o 99%m	0.123
0.00	220 ft.of GIP	0.000

Total Length: 25.00 ft

Total Volume: 0.123 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6771

Inside McCoy Petl. Corp.

30-30s-9w Kingman Ks

DST Test Number: 2

