

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared for: **McCoy Petroleum corp**

8080 E Central ave
Suite 300
Wichita Ks 67206

ATTN: Robert Hendrix

21-13-19w Ellis,Ks

Holcim A #1-21

Start Date: 2010.08.22 @ 06:32:05

End Date: 2010.08.22 @ 14:10:39

Job Ticket #: 039897 DST #: 1

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Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

McCoy Petroleum corp

Holcim A #1-21

21-13-19w Ellis,Ks

DST # 1

LKC-B,C,D

2010.08.22



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

McCoy Petroleum corp

8080 E Central ave
Suite 300
Wichita Ks 67206
ATTN: Robert Hendrix

Holcim A #1-21

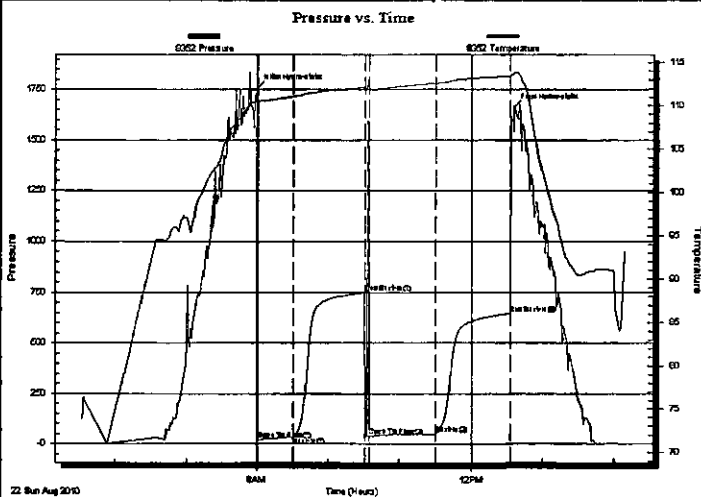
21-13-19w Ellis, Ks
Job Ticket: 039897 DST#: 1
Test Start: 2010.08.22 @ 06:32:05

GENERAL INFORMATION:

Formation: **LKC-B,C,D**
 Deviated: **No Whipstock** ft (KB)
 Test Type: **Conventional Bottom Hole**
 Time Tool Opened: **09:01:00**
 Tester: **Andy Carreira**
 Time Test Ended: **14:10:39**
 Unit No: **31**
 Interval: **3491.00 ft (KB) To 3534.00 ft (KB) (TVD)**
 Reference Elevations: **2172.00 ft (KB)**
 Total Depth: **3534.00 ft (KB) (TVD)**
2162.00 ft (CF)
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 KB to GR/CF: **10.00 ft**

Serial #: 8352 **Outside**
 Press@RunDepth: **50.47 psig @ 3496.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2010.08.22** End Date: **2010.08.22** Last Calib.: **2010.08.22**
 Start Time: **06:32:05** End Time: **14:10:40** Time On Btm: **2010.08.22 @ 09:00:00**
 Time Off Btm: **2010.08.22 @ 12:35:59**

TEST COMMENT: IF: Weak blow died in 29 min.
 IS: No return
 FF: No blow, Flushed tool, Surge, No blow.
 FS: No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1754.77	110.71	Initial Hydro-static
1	19.40	109.94	Open To Flow (1)
31	34.19	111.03	Shut-In(1)
92	746.62	112.09	End Shut-In(1)
95	39.76	111.54	Open To Flow (2)
151	50.47	112.54	Shut-In(2)
213	644.16	113.32	End Shut-In(2)
216	1663.05	113.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	SOSM 100%M	0.34

Gas Rates

Choke (Inches)	Pressure (psig)	Gas Rate (MMcf/d)



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum corp

Holcim A #1-21

8080 E Central ave

21-13-19w Ellis, Ks

Suite 300

Job Ticket: 039897

DST#: 1

Wichita Ks 67206

ATTN: Robert Hendrix

Test Start: 2010.08.22 @ 06:32:05

Tool Information

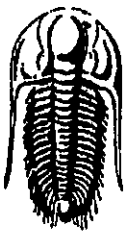
Drill Pipe:	Length: 3473.00 ft	Diameter: 3.80 inches	Volume: 48.72 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 249.17 ft	Diameter: 2.25 inches	Volume: 1.23 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 49.95 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	254.17 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	3491.00 ft			Final 76000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	43.00 ft			
Tool Length:	66.00 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			3469.00	
Shut In Tool	5.00			3474.00	
Hydraulic tool	5.00			3479.00	
Safety Joint	3.00			3482.00	
Packer	5.00			3487.00	23.00 Bottom Of Top Packer
Packer	4.00			3491.00	
Stubb	1.00			3492.00	
Perforations	3.00			3495.00	
Change Over Sub	1.00			3496.00	
Recorder	0.00	8017	Inside	3496.00	
Recorder	0.00	8352	Outside	3496.00	
Drill Pipe	32.00			3528.00	
Change Over Sub	1.00			3529.00	
Perforations	2.00			3531.00	
Bullnose	3.00			3534.00	43.00 Bottom Packers & Anchor

Total Tool Length: 66.00



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FLUID SUMMARY

McCoy Petroleum corp

Holcim A #1-21

8080 E Central ave
Suite 300
Wichita Ks 67206

21-13-19w Ellis, Ks

Job Ticket: 039897

DST#: 1

ATTN: Robert Hendrix

Test Start: 2010.08.22 @ 06:32:05

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: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

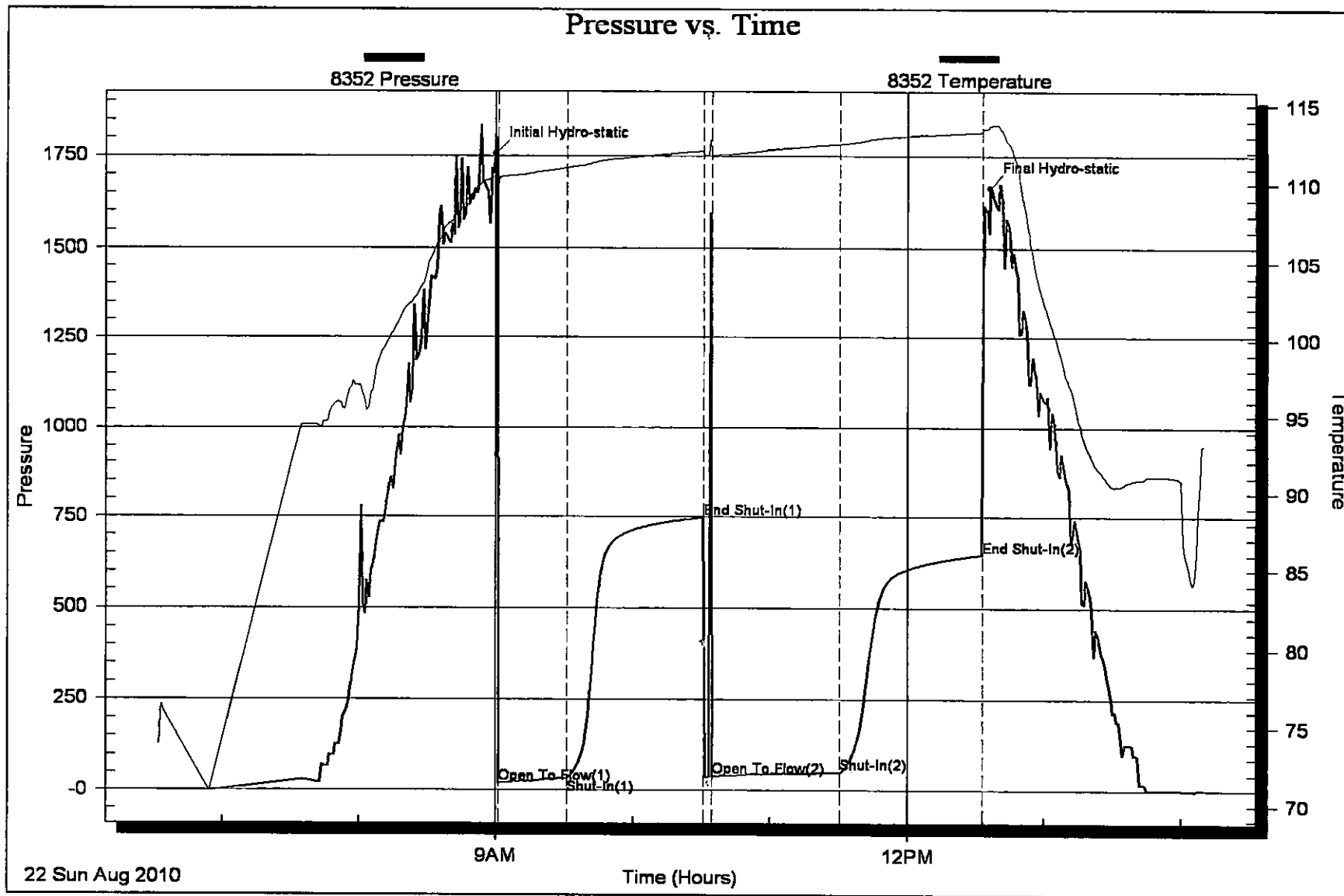
Length ft	Description	Volume bbl
70.00	SOSM 100%M	0.344

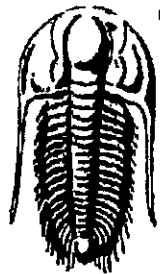
Total Length: 70.00 ft Total Volume: 0.344 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial#:

Laboratory Name: Laboratory Location:

Recovery Comments:





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8080 E Central ave
Suite 300
Wichita Ks 67206

ATTN: Robert Hendrix

21-13-19w Ellis,Ks

Holcim A #1-21

Start Date: 2010.08.23 @ 01:06:05

End Date: 2010.08.23 @ 08:59:39

Job Ticket #: 039898 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

McCoy Petroleum corp

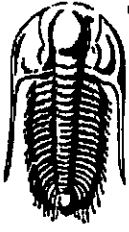
Holcim A #1-21

21-13-19w Ellis,Ks

DST # 2

LKC-E,F,G

2010.08.23



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum corp
8080 E Central ave
Suite 300
Wichita Ks 67206
ATTN: Robert Hendrix

Holcim A #1-21
21-13-19w Ellis, Ks
Job Ticket: 039898 DST#: 2
Test Start: 2010.08.23 @ 01:06:05

Tool Information

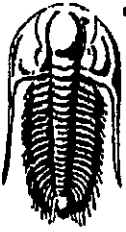
Drill Pipe:	Length: 3286.00 ft	Diameter: 3.80 inches	Volume: 46.09 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 249.17 ft	Diameter: 2.25 inches	Volume: 1.23 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 47.32 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.17 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	3548.00 ft			Final 76500.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	37.00 ft			
Tool Length:	60.00 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			3526.00	
Shut In Tool	5.00			3531.00	
Hydraulic tool	5.00			3536.00	
Safety Joint	3.00			3539.00	
Packer	5.00			3544.00	23.00 Bottom Of Top Packer
Packer	4.00			3548.00	
Stubb	1.00			3549.00	
Recorder	0.00	8017	Inside	3549.00	
Recorder	0.00	8352	Outside	3549.00	
Perforations	33.00			3582.00	
Bullnose	3.00			3585.00	37.00 Bottom Packers & Anchor

Total Tool Length: 60.00



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FLUID SUMMARY

McCoy Petroleum corp
8080 E Central ave
Suite 300
Wichita Ks 67206
ATTN: Robert Hendrix

Holcim A #1-21
21-13-19w Ellis, Ks
Job Ticket: 039898 DST#: 2
Test Start: 2010.08.23 @ 01:06:05

Mud and Cushion Information

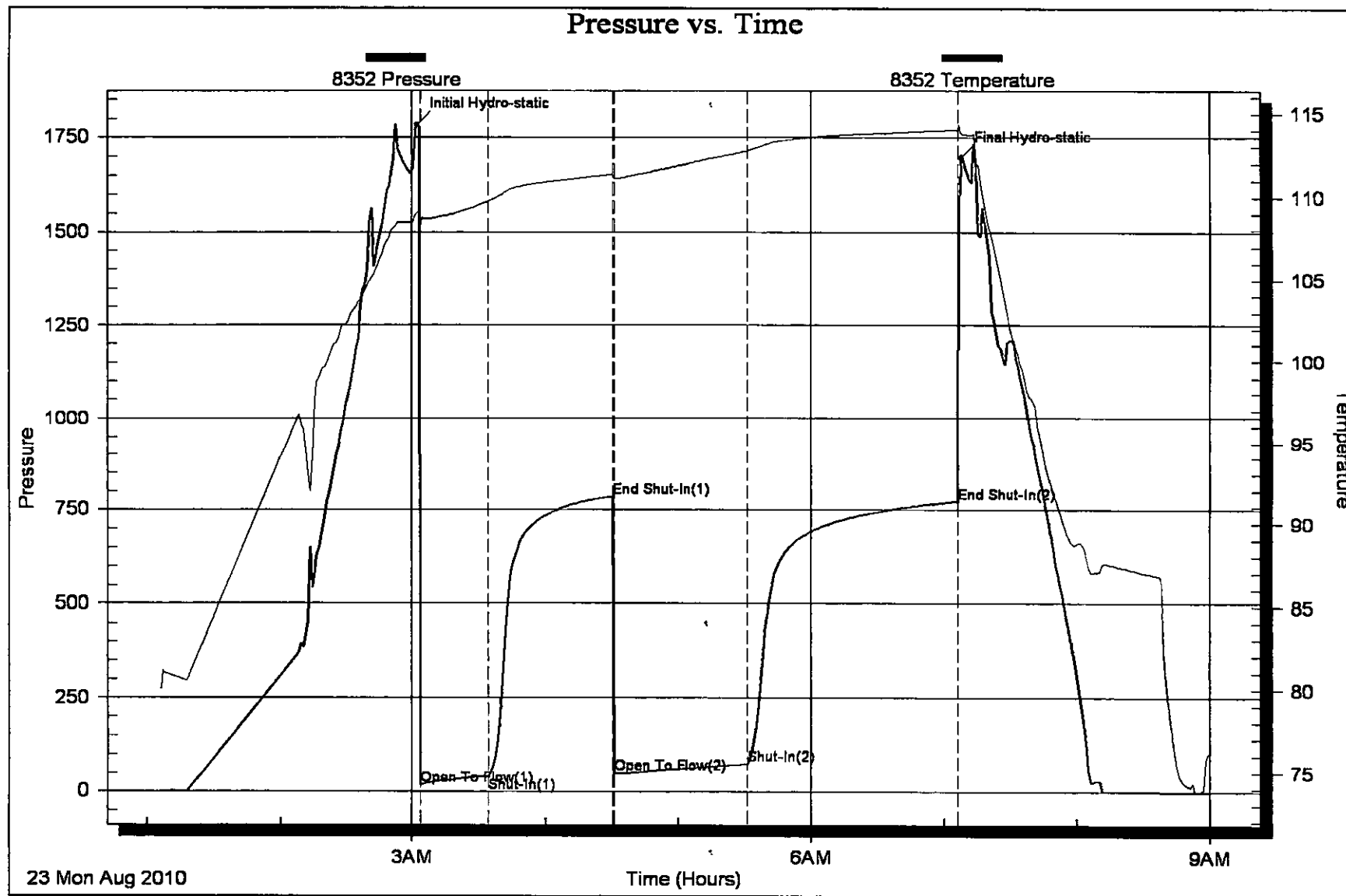
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4400.00 ppm			
Filter Cake: inches			

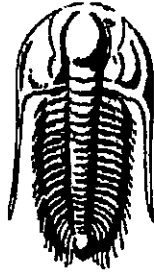
Recovery Information

Recovery Table

Length ft	Description	Volume bbl

Total Length: ft Total Volume: 0.590 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:





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Prepared For: **McCoy Petroleum corp**

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Suite 300
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ATTN: Robert Hendrix

21-13-19w Ellis,Ks

Holcim A #1-21

Start Date: 2010.08.24 @ 04:23:05

End Date: 2010.08.24 @ 13:27:30

Job Ticket #: 039899 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

McCoy Petroleum corp

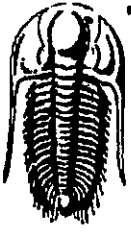
Holcim A #1-21

21-13-19w Ellis,Ks

DST # 3

LKC-H,I,J

2010.08.24



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum corp
8080 E Central ave
Suite 300
Wichita Ks 67206
ATTN: Robert Hendrix

Holclm A #1-21
21-13-19w Ellis, Ks
Job Ticket: 039899 **DST#: 3**
Test Start: 2010.08.24 @ 04:23:05

Tool Information

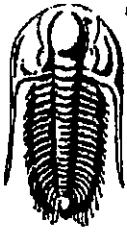
Drill Pipe:	Length: 3350.00 ft	Diameter: 3.80 inches	Volume: 46.99 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 249.17 ft	Diameter: 2.25 inches	Volume: 1.23 bbl	Weight to Pull Loose: 120000.0 lb
			Total Volume: 48.22 bbl	Tool Chased 15.00 ft
Drill Pipe Above KB:	8.17 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	3614.00 ft			Final 79000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	56.00 ft			
Tool Length:	79.00 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			3592.00	
Shut In Tool	5.00			3597.00	
Hydraulic tool	5.00			3602.00	
Safety Joint	3.00			3605.00	
Packer	5.00			3610.00	23.00 Bottom Of Top Packer
Packer	4.00			3614.00	
Stubb	1.00			3615.00	
Perforations	3.00			3618.00	
Change Over Sub	1.00			3619.00	
Recorder	0.00	8017	Inside	3619.00	
Recorder	0.00	8352	Outside	3619.00	
Drill Pipe	32.00			3651.00	
Change Over Sub	1.00			3652.00	
Perforations	15.00			3667.00	
Bullnose	3.00			3670.00	56.00 Bottom Packers & Anchor

Total Tool Length: 79.00



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FLUID SUMMARY

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ATTN: Robert Hendrix

Holcim A #1-21
21-13-19w Ellis, Ks
Job Ticket: 039899 DST#: 3
Test Start: 2010.08.24 @ 04:23:05

Mud and Cushion Information

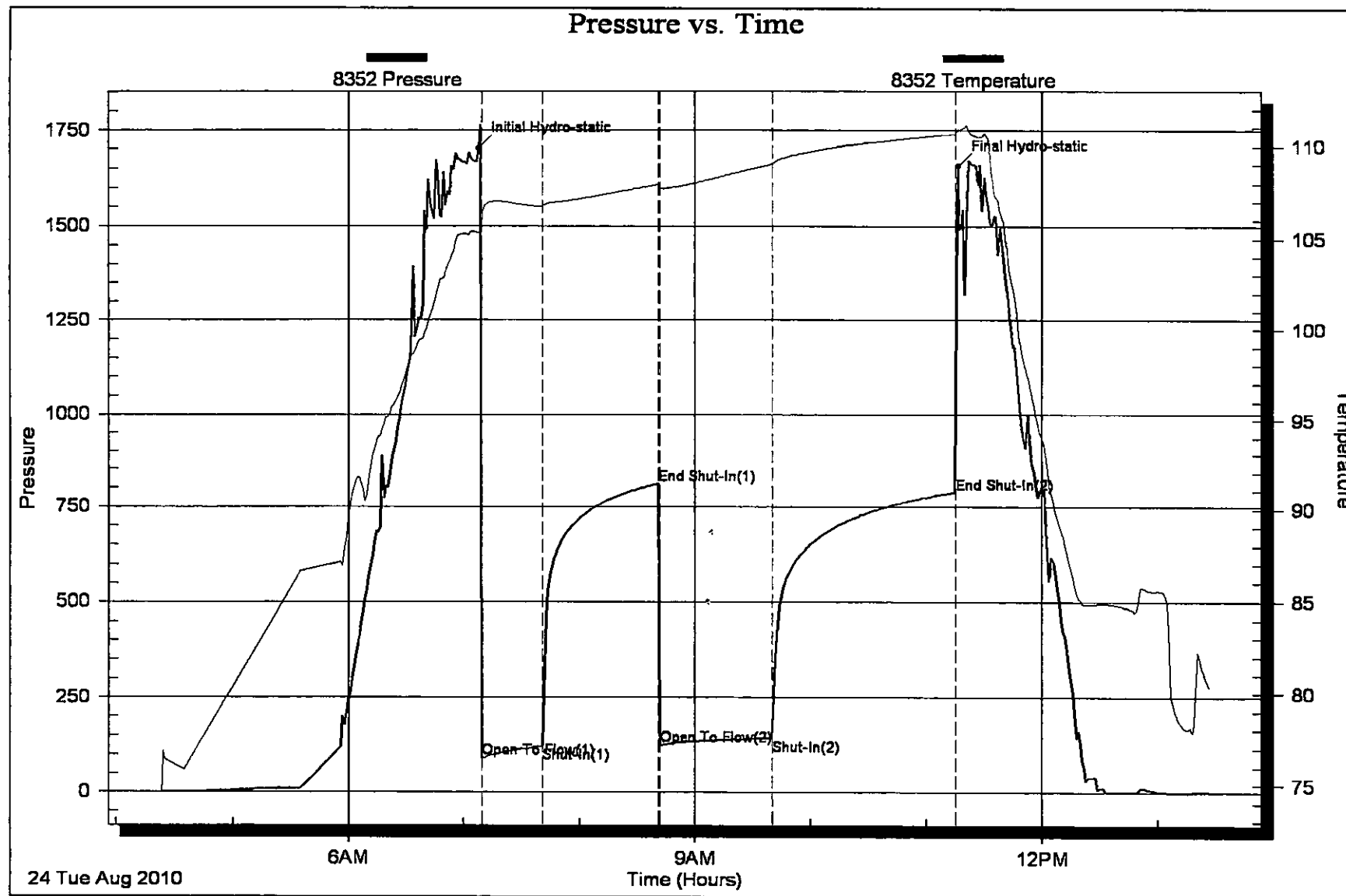
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 40.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3300.00 ppm			
Filter Cake: inches			

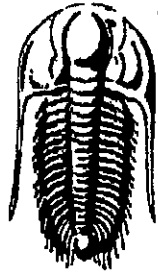
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
250.00	WMw =40% m=60%	1.237

Total Length: 250.00 ft Total Volume: 1.237 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





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Prepared For: **McCoy Petroleum corp**

8080 E Central ave
Suite 300
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ATTN: Robert Hendrix

21-13-19w Ellis,Ks

Holcim A #1-21

Start Date: 2010.08.25 @ 09:12:26

End Date: 2010.08.25 @ 17:31:35

Job Ticket #: 39900 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

McCoy Petroleum corp

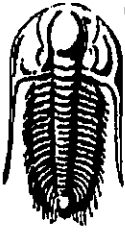
Holcim A #1-21

21-13-19w Ellis,Ks

DST # 4

Arbuckle

2010.08.25



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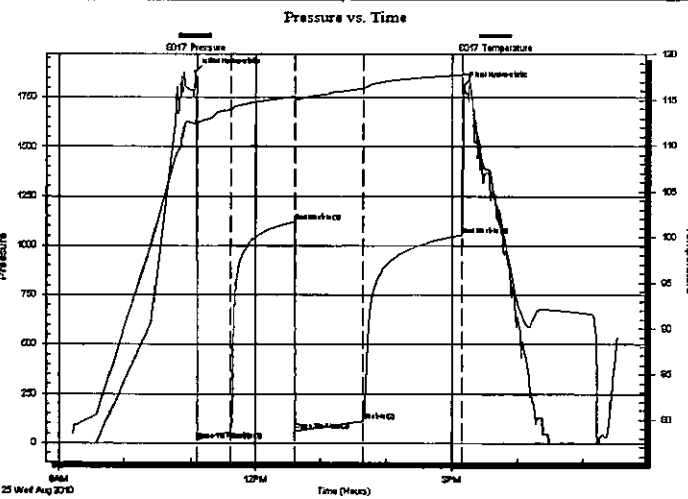
Holcim A #1-21
21-13-19w Ellis, Ks
Job Ticket: 39900 **DST#: 4**
Test Start: 2010.08.25 @ 09:12:26

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 11:05:46
Time Test Ended: 17:31:35
Interval: **3807.00 ft (KB) To 3837.00 ft (KB) (TVD)**
Total Depth: **3837.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Poor**
Test Type: **Conventional Bottom Hole**
Tester: **Dustin Rash**
Unit No: **31**
Reference Elevations: **2172.00 ft (KB)**
2162.00 ft (CF)
KB to GR/CF: **10.00 ft**

Serial #: 8017 **Inside**
Press@RunDepth: **109.81 psig @ 3808.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2010.08.25** End Date: **2010.08.25** Last Calib.: **2010.08.25**
Start Time: **09:12:31** End Time: **17:31:36** Time On Btm: **2010.08.25 @ 11:04:16**
Time Off Btm: **2010.08.25 @ 15:09:35**

TEST COMMENT: IF Weak blow built to 4.5"
ISI No return
FF Weak blow after 7 min built to 5"
FSI No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1878.70	112.75	Initial Hydro-static
2	14.12	112.12	Open To Flow (1)
33	57.44	113.93	Shut-In(1)
93	1119.83	115.40	End Shut-In(1)
93	61.14	115.05	Open To Flow (2)
155	109.81	116.32	Shut-In(2)
245	1052.17	117.77	End Shut-In(2)
246	1808.42	118.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCM 70% M 30% O	0.30
60.00	MO 50% M 50% O	0.30
60.00	GCO 60% O 40% G	0.30
60.00	GCO 80% O 20% G	0.30

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (MMcf/d)



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum corp
8080 E Central ave
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ATTN: Robert Hendrix

Holcim A #1-21
21-13-19w Ellis, Ks
Job Ticket: 39900 DST#: 4
Test Start: 2010.08.25 @ 09:12:26

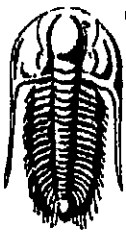
Tool Information

Drill Pipe:	Length: 3544.00 ft	Diameter: 3.80 inches	Volume: 49.71 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 249.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 4000.00 lb
			Total Volume: 50.93 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	3807.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	52.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3790.00	
Hydraulic tool	5.00			3795.00	
Safety Joint	2.00			3797.00	
Packer	5.00			3802.00	22.00 Bottom Of Top Packer
Packer	5.00			3807.00	
Stubb	1.00			3808.00	
Recorder	0.00	8017	Inside	3808.00	
Recorder	0.00	8352	Outside	3808.00	
Perforations	26.00			3834.00	
Bullnose	3.00			3837.00	30.00 Bottom Packers & Anchor
Total Tool Length:	52.00				



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FLUID SUMMARY

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8080 E Central ave
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ATTN: Robert Hendrix

Holcim A #1-21
21-13-19w Ellis, Ks
Job Ticket: 39900 DST#: 4
Test Start: 2010.08.25 @ 09:12:26

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 50.00 sec/qt
Water Loss: 7.99 in³
Resistivity: ohm.m
Salinity: 5800.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 31 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OCM 70%M 30%O	0.295
60.00	MO 50%M 50%O	0.295
60.00	GCO 60%O 40%G	0.295
60.00	GCO 80%O 20%G	0.295

Total Length: 240.00 ft Total Volume: 1.180 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

