15-195-22448 30-11s-24w KGS

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum**

8080 E Central
Wichita KS 67205

KCC
MAY 01 2007
CONFIDENTIAL

ATTN: Tim Priest

30 11 24 Trego KS

McIntosh "A" 1-30

Start Date: 2007.05.14 @ 08:36:14
End Date: 2007.05.14 @ 16:30:38
Job Ticket #: 28027 DST #: 1

RECEIVED
KANSAS CORPORATION COMMISSION
JUN 04 2007
CONSERVATION DIVISION
WICHITA, KS

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

McCoy Petroleum
McIntosh "A" 1-30
30 11 24 Trego KS
DST # 1
2007.05.14

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

McCoy Petroleum

8080 E Central
Wichita KS 67205

ATTN: Tim Priest

McIntosh "A" 1-30

30 11 24 Trego KS

Job Ticket: 28027 **DST#: 1**

Test Start: 2007.05.14 @ 08:36:14

GENERAL INFORMATION:

Formation:
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:10:09
Time Test Ended: 16:30:38

Test Type: Conventional Bottom Hole
Tester: Brian Fairbank
Unit No: 41

Interval: 3886.00 ft (KB) To 3920.00 ft (KB) (TVD)
Total Depth: 3920.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:

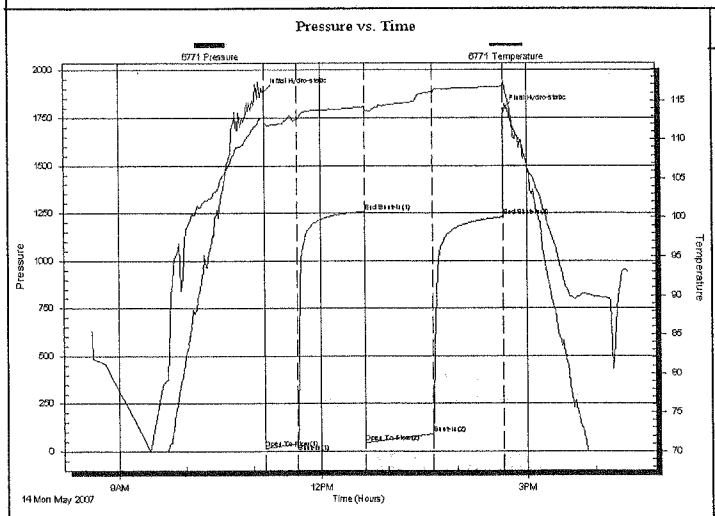
Reference Elevations: 2520.00 ft (KB)
2509.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6771 **Inside**

Press@RunDepth: 91.49 psig @ 3892.01 ft (KB)
Start Date: 2007.05.14 End Date: 2007.05.14
Start Time: 08:36:14 End Time: 16:30:38

Capacity: 7000.00 psig
Last Calib.: 2007.05.14
Time On Btm: 2007.05.14 @ 11:09:54
Time Off Btm: 2007.05.14 @ 14:39:23

TEST COMMENT: IFP Weak blow throughout 1/4 " - 2 "
ISI No blow back
FFP No blow 20 min. weak sur - 1 "
FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1885.19	112.72	Initial Hydro-static
1	14.37	111.96	Open To Flow (1)
30	41.07	112.53	Shut-In(1)
90	1257.39	114.18	End Shut-In(1)
90	44.14	113.61	Open To Flow (2)
149	91.49	116.08	Shut-In(2)
209	1228.88	116.77	End Shut-In(2)
210	1795.08	116.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	MW 50%M 50%W	0.64

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum

8080 E Central
Wichita KS 67205

ATTN: Tim Priest

McIntosh "A" 1-30

30 11 24 Trego KS

Job Ticket: 28027 **DST#: 1**

Test Start: 2007.05.14 @ 08:36:14

Tool Information

Drill Pipe:	Length:	3621.00 ft	Diameter:	3.80 inches	Volume:	50.79 bbl	Tool Weight:	2500.00 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:	248.00 ft	Diameter:	2.25 inches	Volume:	1.22 bbl	Weight to Pull Loose:	70000.00 lb
					Total Volume:	52.01 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		3.00 ft					String Weight: Initial	62000.00 lb
Depth to Top Packer:		3886.00 ft					Final	62000.00 lb
Depth to Bottom Packer:		ft						
Interval betw een Packers:		34.02 ft						
Tool Length:		54.02 ft						
Number of Packers:		2	Diameter:	6.75 inches				

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3871.00		
Hydraulic tool	5.00			3876.00		
Packer	5.00			3881.00	20.00	Bottom Of Top Packer
Packer	5.00			3886.00		
Stubb	1.00			3887.00		
Perforations	5.00			3892.00		
Recorder	0.01	6771	Inside	3892.01		
Perforations	25.00			3917.01		
Recorder	0.01	13548	Outside	3917.02		
Bullnose	3.00			3920.02	34.02	Bottom Packers & Anchor
Total Tool Length:	**54.02**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum

8080 E Central
Wichita KS 67205

ATTN: Tim Priest

McIntosh "A" 1-30

30 11 24 Trego KS

Job Ticket: 28027 **DST#: 1**

Test Start: 2007.05.14 @ 08:36:14

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	8.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	49.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.75 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1600.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

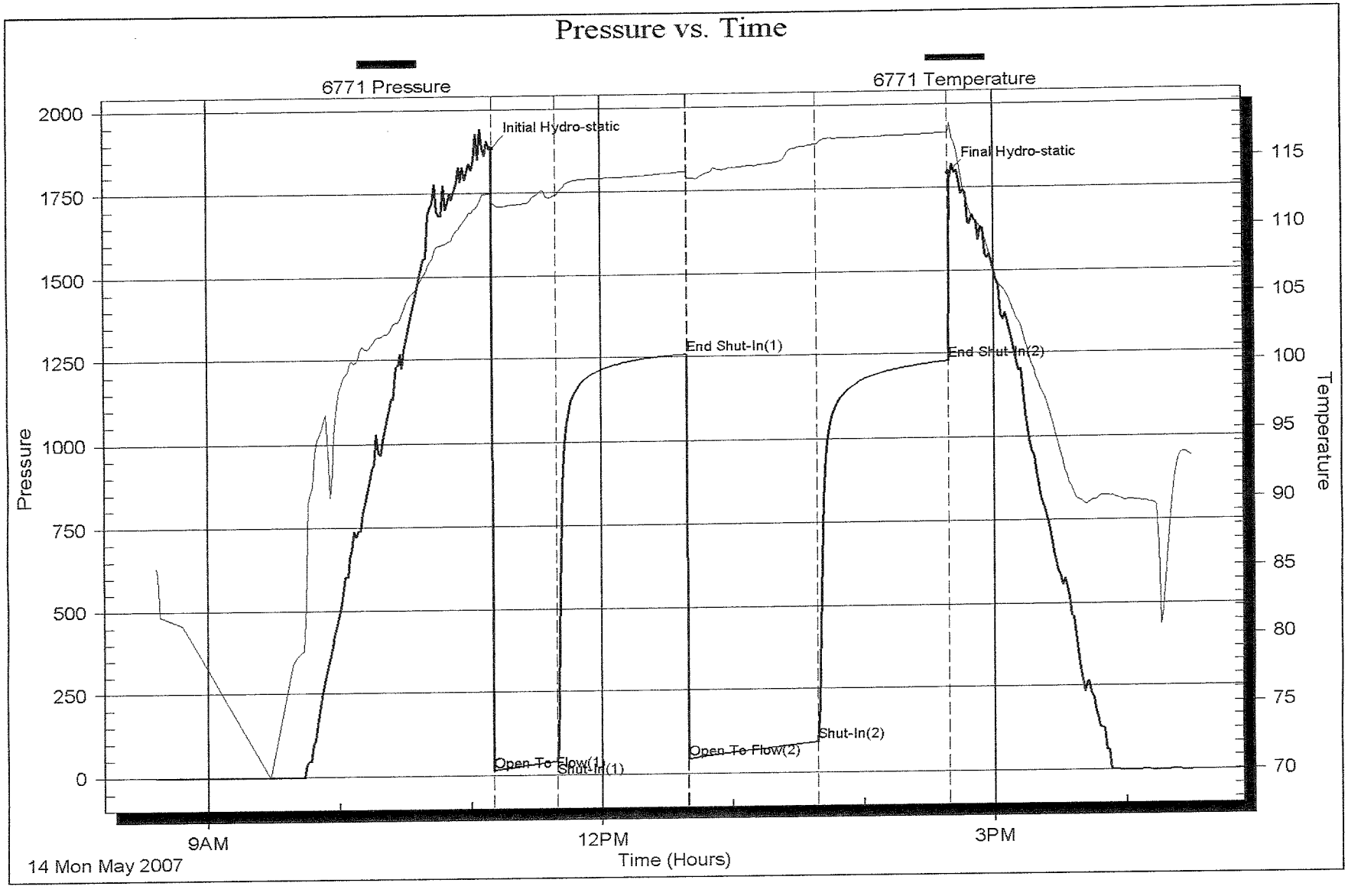
Length ft	Description	Volume bbl
130.00	MW 50%M 50%W	0.639

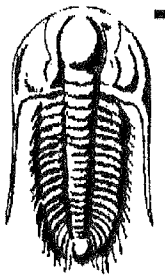
Total Length: 130.00 ft Total Volume: 0.639 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6771 Pressure
6771 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
2000
1750
1500
1250
1000
750
500
250
0
115
110
105
100
95
90
85
80
75
70
9AM
12PM
3PM
Time (Hours)
14 Mon May 2007



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum**

8080 E Central
Wichita KS 67205

ATTN: Tim Priest

30 11 24 Trego KS

McIntosh "A" 1-30

Start Date: 2007.05.15 @ 00:45:16
End Date: 2007.05.15 @ 09:20:11
Job Ticket #: 28028 DST #: 2

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

McCoy Petroleum
McIntosh "A" 1-30
30 11 24 Trego KS
DST #2
LKC E-F
2007.05.15

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

McCoy Petroleum

8080 E Central
Wichita KS 67205

ATTN: Tim Priest

McIntosh "A" 1-30

30 11 24 Trego KS

Job Ticket: 28028 **DST#: 2**

Test Start: 2007.05.15 @ 00:45:16

GENERAL INFORMATION:

Formation: **LKC "E-F"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:56:26
Time Test Ended: 09:20:11

Test Type: Conventional Bottom Hole
Tester: Brian Fairbank
Unit No: 41

Interval: 3932.00 ft (KB) To 3960.00 ft (KB) (TVD)
Total Depth: 3960.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:

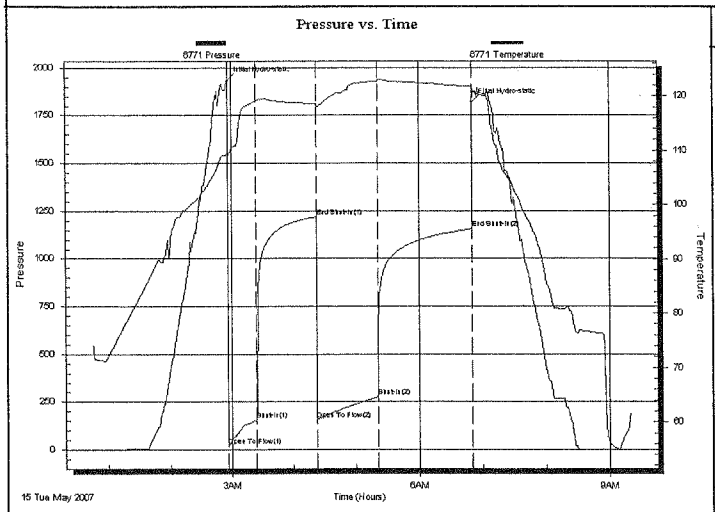
Reference Elevations: 2520.00 ft (KB)
2509.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6771 **Inside**

Press@RunDepth: 276.04 psig @ 3937.01 ft (KB)
Start Date: 2007.05.15 End Date: 2007.05.15
Start Time: 00:45:16 End Time: 09:20:11

Capacity: 7000.00 psig
Last Calib.: 2007.05.15
Time On Btm: 2007.05.15 @ 02:56:11
Time Off Btm: 2007.05.15 @ 06:49:55

TEST COMMENT: IFP BOB 21 min.
ISI No blow back
FFP BOB 20 min.
FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1932.08	109.60	Initial Hydro-static
1	19.04	108.91	Open To Flow (1)
28	155.50	118.97	Shut-In(1)
86	1218.28	118.67	End Shut-In(1)
87	159.20	118.23	Open To Flow (2)
145	276.04	122.76	Shut-In(2)
234	1156.34	121.76	End Shut-In(2)
234	1819.75	121.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
560.00	MW 10%M 90%W	5.60
30.00	GMO 5%G 5%M 90%O	0.42

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum

8080 E Central
Wichita KS 67205

ATTN: Tim Priest

McIntosh "A" 1-30

30 11 24 Trego KS

Job Ticket: 28028 **DST#: 2**

Test Start: 2007.05.15 @ 00:45:16

Tool Information

Drill Pipe:	Length:	3680.00 ft	Diameter:	3.80 inches	Volume:	51.62 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	248.00 ft	Diameter:	2.25 inches	Volume:	1.22 bbl	
					Total Volume:	52.84 bbl	

Drill Pipe Above KB:	16.00 ft
Depth to Top Packer:	3932.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	28.02 ft
Tool Length:	48.02 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2500.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	66000.00 lb
Tool Chased	1.00 ft
String Weight: Initial	60000.00 lb
Final	64000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3917.00		
Hydraulic tool	5.00			3922.00		
Packer	5.00			3927.00	20.00	Bottom Of Top Packer
Packer	5.00			3932.00		
Stubb	1.00			3933.00		
Perforations	4.00			3937.00		
Recorder	0.01	6771	Inside	3937.01		
Perforations	20.00			3957.01		
Recorder	0.01	13548	Outside	3957.02		
Bullnose	3.00			3960.02	28.02	Bottom Packers & Anchor
Total Tool Length:	**48.02**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum

8080 E Central
Wichita KS 67205

ATTN: Tim Priest

McIntosh "A" 1-30

30 11 24 Trego KS

Job Ticket: 28028 **DST#: 2**

Test Start: 2007.05.15 @ 00:45:16

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	14 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	30000 ppm
Viscosity:	54.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.95 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1600.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

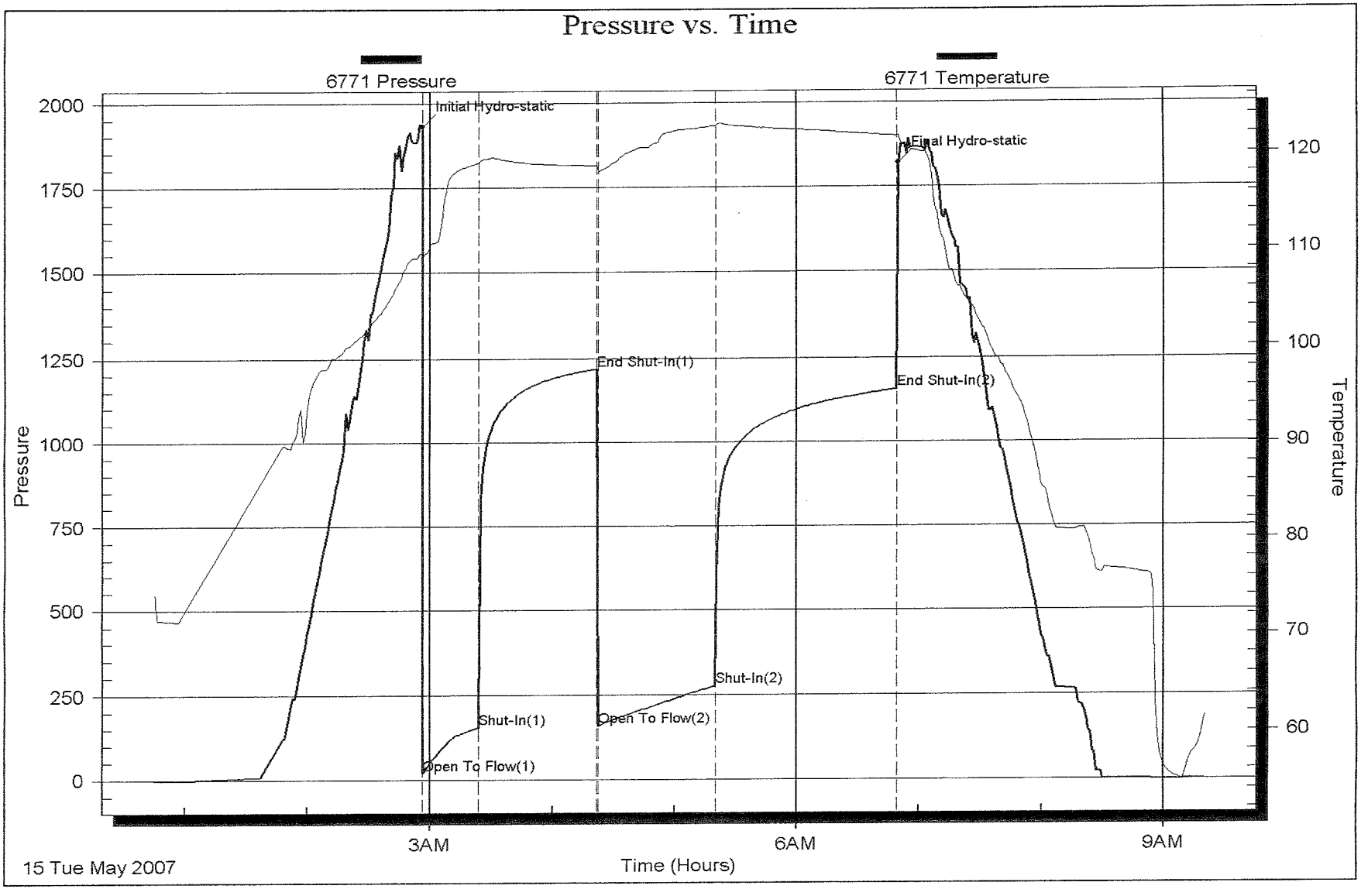
Length ft	Description	Volume bbl
560.00	MW 10%M 90%W	5.596
30.00	GMO 5%G 5%M 90%O	0.421

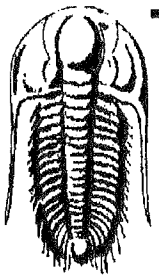
Total Length: 590.00 ft Total Volume: 6.017 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6771 Pressure
6771 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure
Temperature
2000
1750
1500
1250
1000
750
500
250
0
120
110
100
90
80
70
60
3AM
6AM
9AM
15 Tue May 2007
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum**

8080 E Central
Wichita KS 67205

ATTN: Tim Priest

30 11 24 Trego KS

McIntosh "A" 1-30

Start Date: 2007.05.15 @ 20:22:48
End Date: 2007.05.16 @ 03:29:42
Job Ticket #: 28029 DST #: 3

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

McCoy Petroleum
McIntosh "A" 1-30
30 11 24 Trego KS
DST # 3
LKC "H-I"
2007.05.15

DRILL STEM TEST REPORT

McCoy Petroleum

8080 E Central
Wichita KS 67205

ATTN: Tim Priest

McIntosh "A" 1-30

30 11 24 Trego KS

Job Ticket: 28029 **DST#: 3**

Test Start: 2007.05.15 @ 20:22:48

GENERAL INFORMATION:

Formation: **LKC "H-I"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:12:43
Time Test Ended: 03:29:42

Test Type: Conventional Bottom Hole
Tester: Brian Fairbank
Unit No: 41

Interval: 3988.00 ft (KB) To 4040.00 ft (KB) (TVD)
Total Depth: 4040.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:

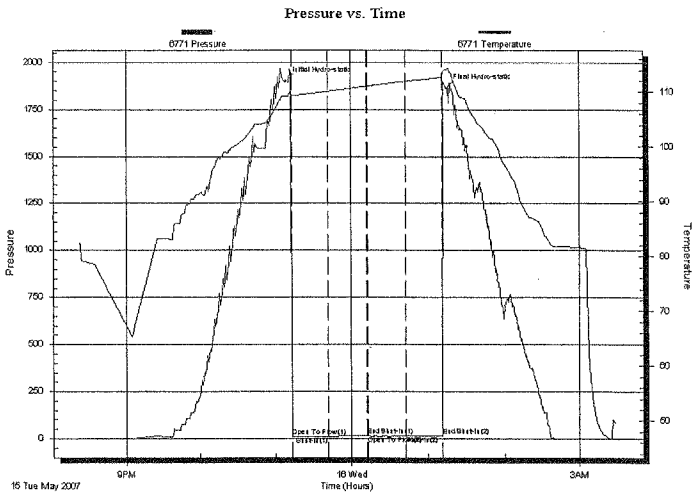
Reference Elevations: 2520.00 ft (KB)
2509.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6771 **Inside**

Press@RunDepth: 13.84 psig @ 3995.01 ft (KB)
Start Date: 2007.05.15 End Date: 2007.05.16
Start Time: 20:22:48 End Time: 03:29:42

Capacity: 7000.00 psig
Last Calib.: 2007.05.16
Time On Btm: 2007.05.15 @ 23:09:13
Time Off Btm: 2007.05.16 @ 01:14:57

TEST COMMENT: IFP Weak blow throughout - 1/4 " - 1/2 " died 27 min.
ISI No blow back
FFP No blow
FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1898.84	109.14	Initial Hydro-static
4	12.69	109.44	Open To Flow (1)
33	12.62	110.13	Shut-In(1)
63	14.51	111.05	End Shut-In(1)
63	13.54	111.06	Open To Flow (2)
94	13.84	111.95	Shut-In(2)
123	14.72	112.69	End Shut-In(2)
126	1863.37	114.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	100%M	0.00

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum

8080 E Central
Wichita KS 67205

ATTN: Tim Priest

McIntosh "A" 1-30

30 11 24 Trego KS

Job Ticket: 28029 **DST#: 3**

Test Start: 2007.05.15 @ 20:22:48

Tool Information

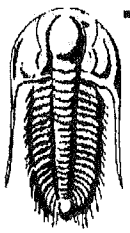
Drill Pipe:	Length:	3740.00 ft	Diameter:	3.80 inches	Volume:	52.46 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	248.00 ft	Diameter:	2.25 inches	Volume:	1.22 bbl	
					Total Volume:	53.68 bbl	

Drill Pipe Above KB:	44.00 ft
Depth to Top Packer:	3988.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	52.02 ft
Tool Length:	96.02 ft
Number of Packers:	2
Diameter:	6.75 inches

Tool Weight:	2500.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	75000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	60000.00 lb
Final	60000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3949.00		
Telemtary Tool	24.00			3973.00		
Hydraulic tool	5.00			3978.00		
Packer	5.00			3983.00	44.00	Bottom Of Top Packer
Packer	5.00			3988.00		
Stubb	1.00			3989.00		
Perforations	5.00			3994.00		
Change Over Sub	1.00			3995.00		
Recorder	0.01	6771	Inside	3995.01		
Blank Spacing	31.00			4026.01		
Change Over Sub	1.00			4027.01		
Perforations	10.00			4037.01		
Recorder	0.01	13548	Outside	4037.02		
Bullnose	3.00			4040.02	52.02	Bottom Packers & Anchor
Total Tool Length:	**96.02**					



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum

8080 E Central
Wichita KS 67205

ATTN: Tim Priest

McIntosh "A" 1-30

30 11 24 Trego KS

Job Ticket: 28029 **DST#: 3**

Test Start: 2007.05.15 @ 20:22:48

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:	ppm
Viscosity:	51.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.35 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1800.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

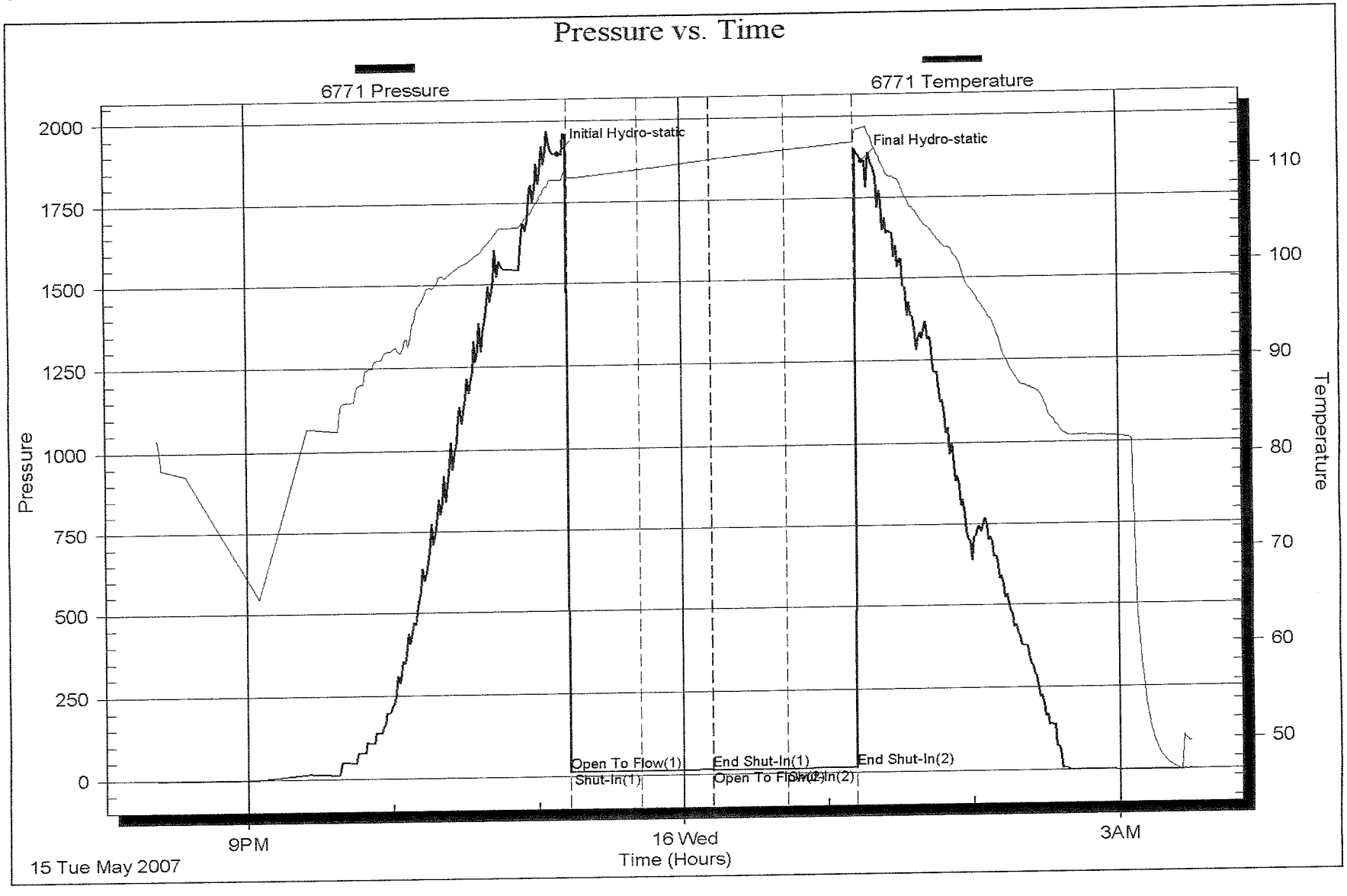
Length ft	Description	Volume bbl
1.00	100%M	0.005

Total Length: 1.00 ft Total Volume: 0.005 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6771 Pressure
6771 Temperature
Initial Hydro-static
Final Hydro-static
Pressure
Temperature
2000
1750
1500
1250
1000
750
500
250
0
110
100
90
80
70
60
50
Open To Flow(1)
Shut-In(1)
End Shut-In(1)
Open To Flow(2)
End Shut-In(2)
9PM
16 Wed
3AM
Time (Hours)
15 Tue May 2007