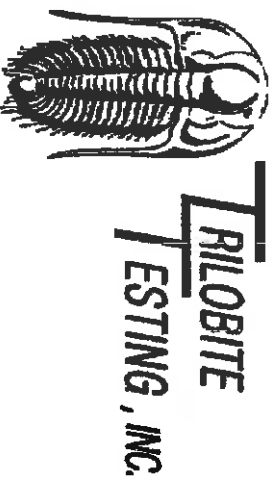


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DRILL STEM TEST REPORT

Prepared For: **FIML Natural Resources LLC**

410 17th St
Ste 900
Denver, CO 80202

ATTN: Jim Musgrove

33-18s-31w Scott, KS

Suppes #15D-33-1831

Start Date: 2010.12.12 @ 08:45:31

End Date: 2010.12.12 @ 17:30:16

Job Ticket #: 040545 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

ORIGINAL

Printed: 2010.12.30 @ 12:20:29 Page 1

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in
office*



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FML Natural Resources LLC

Suppes #15D-33-1831

410 17th St

33-18s-31w Scott, KS

Site 900

Denver, CO 80202

Job Ticket: 040545

DST#:1

ATTN: Jim Musgrove

Test Start: 2010.12.12 @ 08:45:31

GENERAL INFORMATION:

Formation: KC
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:42:46
Time Test Ended: 17:30:16
Interval: 4180.00 ft (KB) To 4218.00 ft (KB) (TVD)
Total Depth: 4218.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole
Tester: Shane McBride
Unit No: 40

Reference Elevations: 2952.00 ft (KB)
2942.00 ft (CF)
KB to GRCE: 10.00 ft

Serial #: 6667 Inside
Press@RunDepth: 250.91 psig @ 4181.00 ft (KB)
Start Date: 2010.12.12 End Date:
Start Time: 08:45:31 End Time:

Capacity: 8000.00 psig
Last Calib.: 2010.12.12
Time On Btm: 2010.12.12 @ 10:42:31
Time Off Btm: 2010.12.12 @ 13:30:46

TEST COMMENT: B.O.B. in 24 1/2 min.

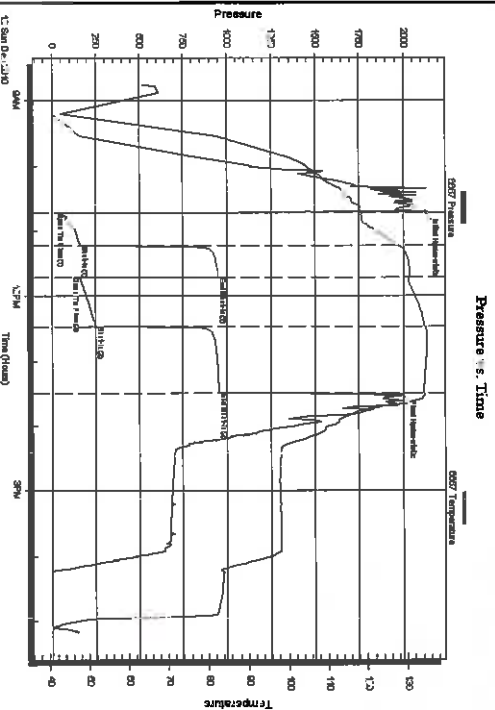
No return

B.O.B. in 31 min.

No return

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2119.88	118.55	Initial Hydro-static
1	24.57	117.76	Open To Flow (1)
31	161.39	127.59	Shut-In (1)
60	950.34	130.51	End Shut-In (1)
61	162.27	130.19	Open To Flow (2)
106	250.91	134.25	Shut-In (2)
168	953.68	134.07	End Shut-In (2)
169	1990.70	134.29	Final Hydro-static

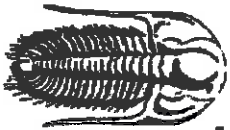


Recovery

Length (ft)	Description	Volume (bb)
242.00	s o & m c w 2%o 10% m 88%w	1.19
180.00	o & m c w 10%o 30% m 60%w	2.52
85.00	o & w c m 10%o 30%w 60% m	1.19
5.00	free oil 100%o	0.07

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

FIRM: Natural Resources LLC

Suppes #15D-33-1831

410 17th St

33-18s-31w Scott, KS

Site 900

Job Ticket: 040545

DST#: 1

Denver, CO 80202

ATTN: Jim Musgrove

Test Start: 2010.12.12 @ 08:45:31

Tool Information

Drill Pipe:	Length: 3928.00 ft	Diameter: 3.80 inches	Volume: 55.10 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: 25000.00 lb
Drill Collar:	Length: 242.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose: 100000.0 lb
			Total Volume: 56.29 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4180.00 ft			Final 81000.00 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
Change Over Sub	1.00			4154.00	
Shut In Tool	5.00			4159.00	
Hydraulic tool	5.00			4164.00	
Jars	5.00			4169.00	
Safety Joint	2.00			4171.00	
Packer	5.00			4176.00	27.00 Bottom Of Top Packer
Packer	4.00			4180.00	
Stubb	1.00			4181.00	
Recorder	0.00	6771	Outside	4181.00	
Recorder	0.00	6667	Inside	4181.00	
Perforations	32.00			4213.00	
Blunose	5.00			4218.00	38.00 Bottom Packers & Anchor
Total Tool Length:		65.00			



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

FML Natural Resources LLC
410 17th St
Ste 900
Denver, CO 80202
ATTN: Jim Musgrove

Suppes #15D-33-1831
33-18s-31w Scott, KS
Job Ticket: 040545 **DST#:** 1
Test Start: 2010.12.12 @ 08:45:31

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 57.00 sec/qt
Water Loss: 9.51 in³
Resistivity: 0.00 ohm.m
Salinity: 2000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig
Oil API: 33 deg API
Water Salinity: 31000 ppm

Recovery Information

Recovery Table

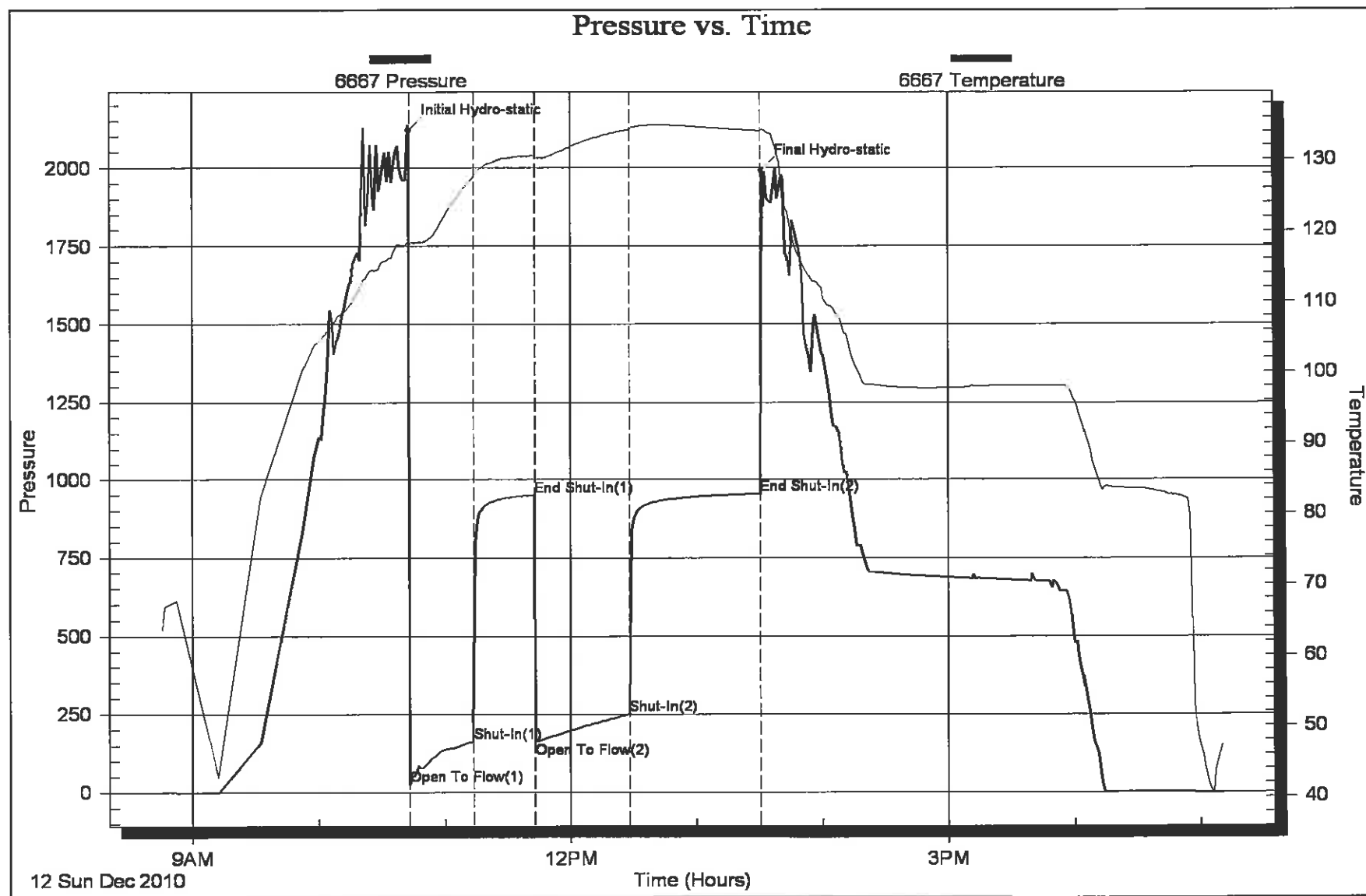
Length ft	Description	Volume bbl
242.00	s o & m c w 2%o 10%m 88%w	1.190
180.00	o & m c w 10%o 30%m 60%w	2.525
85.00	o & w c m 10%o 30%w 60%m	1.192
5.00	free oil 100%o	0.070

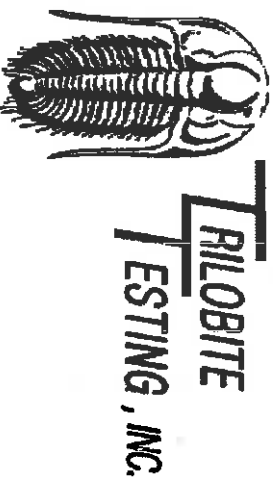
Total Length: 512.00 ft Total Volume: 4.977 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: rw .335 @ 45°F = 31,000 chlor





DRILL STEM TEST REPORT

Prepared For: **FIML Natural Resources LLC**

410 17th St
Ste 900
Denver, CO 80202

ATTN: Jim Musgrove

33-18s-31w Scott, KS

Suppes #15D-33-1831

Start Date: 2010.12.13 @ 04:44:58

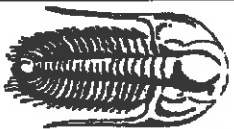
End Date: 2010.12.13 @ 11:25:43

Job Ticket #: 040546 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FML Natural Resources LLC
410 17th St
Ste 900
Denver, CO 80202
ATTN: Jim Musgrove

Suppes #15D-33-1831
33-18s-31w Scott, KS
Job Ticket: 040546 DST#: 2
Test Start: 2010.12.13 @ 04:44:58

GENERAL INFORMATION:

Formation: KC
Deviated: No Whipstock ft (KB)
Time Tool Opened: 06:55:28
Time Test Ended: 11:25:43
Interval: 4220.00 ft (KB) To 4301.00 ft (KB) (TVD)
Total Depth: 4301.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches-Hole Condition: Fair

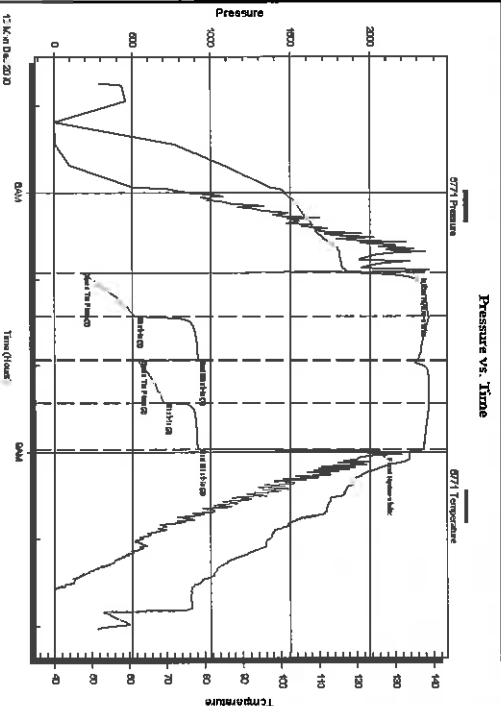
Test Type: Conventional Bottom Hole
Tester: Shane McBride
Unit No: 40

Reference Elevations: 2952.00 ft (KB)
2942.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6771 Outside
Press@RunDepth: 701.66 psig @ 4221.00 ft (KB)
Start Date: 2010.12.13 End Date: 2010.12.13
Start Time: 04:44:58 End Time: 11:02:43

Capacity: 8000.00 psig
Last Calib.: 2010.12.13
Time On Btm: 2010.12.13 @ 06:55:13
Time Off Btm: 2010.12.13 @ 08:58:43

TEST COMMENT: B.O.B. in 2 1/2 min.
No return
B.O.B. in 6 min.
No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2269.63	117.46	Initial Hydro-static
1	181.80	117.87	Open To Flow (1)
31	517.99	138.45	Shut-In (1)
61	918.93	135.91	End Shut-In (1)
61	547.09	135.76	Open To Flow (2)
91	701.66	138.65	Shut-In (2)
123	918.04	137.35	End Shut-In (2)
124	2053.55	134.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bb)
962.00	w ater w/oil scum 100%w	11.29
300.00	s m c w w/oil spots 20%cm 80%w	4.21
200.00	m c w w/oil spots 45%cm 55%w	2.81

Gas Rates

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



TRIBOLITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

FML Natural Resources LLC
410 17th St
Ste 800
Denver, CO 80202
ATTN: Jim Musgrove

Suppes #15D-33-1831
33-18s-31w Scott, KS
Job Ticket: 040546 DST#: 2
Test Start: 2010.12.13 @ 04:44:58

Tool Information

Drill Pipe: Length: 3956.00 ft Diameter: 3.80 inches Volume: 55.49 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: 25000.00 lb
Drill Collar: Length: 242.00 ft Diameter: 2.25 inches Volume: 1.19 bbl Weight to Pull Loose: 105000.0 lb
Total Volume: 56.68 bbl Tool Chased 0.00 ft
Drill Pipe Above KB: 5.00 ft String Weight: Initial 76000.00 lb
Depth to Top Packer: 4220.00 ft Final 81000.00 lb
Depth to Bottom Packer: ft
Interval between Packers: 81.00 ft
Tool Length: 108.00 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			4194.00	
Shut In Tool	5.00			4199.00	
Hydraulic tool	5.00			4204.00	
Jars	5.00			4209.00	
Safety Joint	2.00			4211.00	
Packer	5.00			4216.00	27.00 Bottom Of Top Packer
Packer	4.00			4220.00	
Stub	1.00			4221.00	
Recorder	0.00	6771	Outside	4221.00	
Recorder	0.00	6667	Inside	4221.00	
Perforations	10.00			4231.00	
Change Over Sub	1.00			4232.00	
Drill Pipe	63.00			4295.00	
Change Over Sub	1.00			4296.00	
Bullnose	5.00			4301.00	81.00 Bottom Packers & Anchor
Total Tool Length:		108.00			



TRIOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

FML Natural Resources LLC
410 17th St
Ste 900
Denver, CO 80202
ATTN: Jim Musgrove

Suppes #15D-33-1831
33-18s-31w Scott, KS
Job Ticket: 040546 DST#: 2
Test Start: 2010.12.13 @ 04:44:58

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 53.00 sec/qt
Water Loss: 9.53 in³
Resistivity: 0.00 ohm.m
Salinity: 3000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length:
Cushion Volume:
Gas Cushion Type:
Gas Cushion Pressure:
Oil API: 0 deg API
Water Salinity: 29000 ppm
ft
bbl
psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
962.00	water w/oil scum 100%w	11.290
300.00	s m c w w/oil spots 20% m 80%w	4.208
200.00	m c w w/oil spots 45% m 55%w	2.805

Total Length: 1462.00 ft Total Volume: 18.303 bbl

Num Fluid Samples: 0

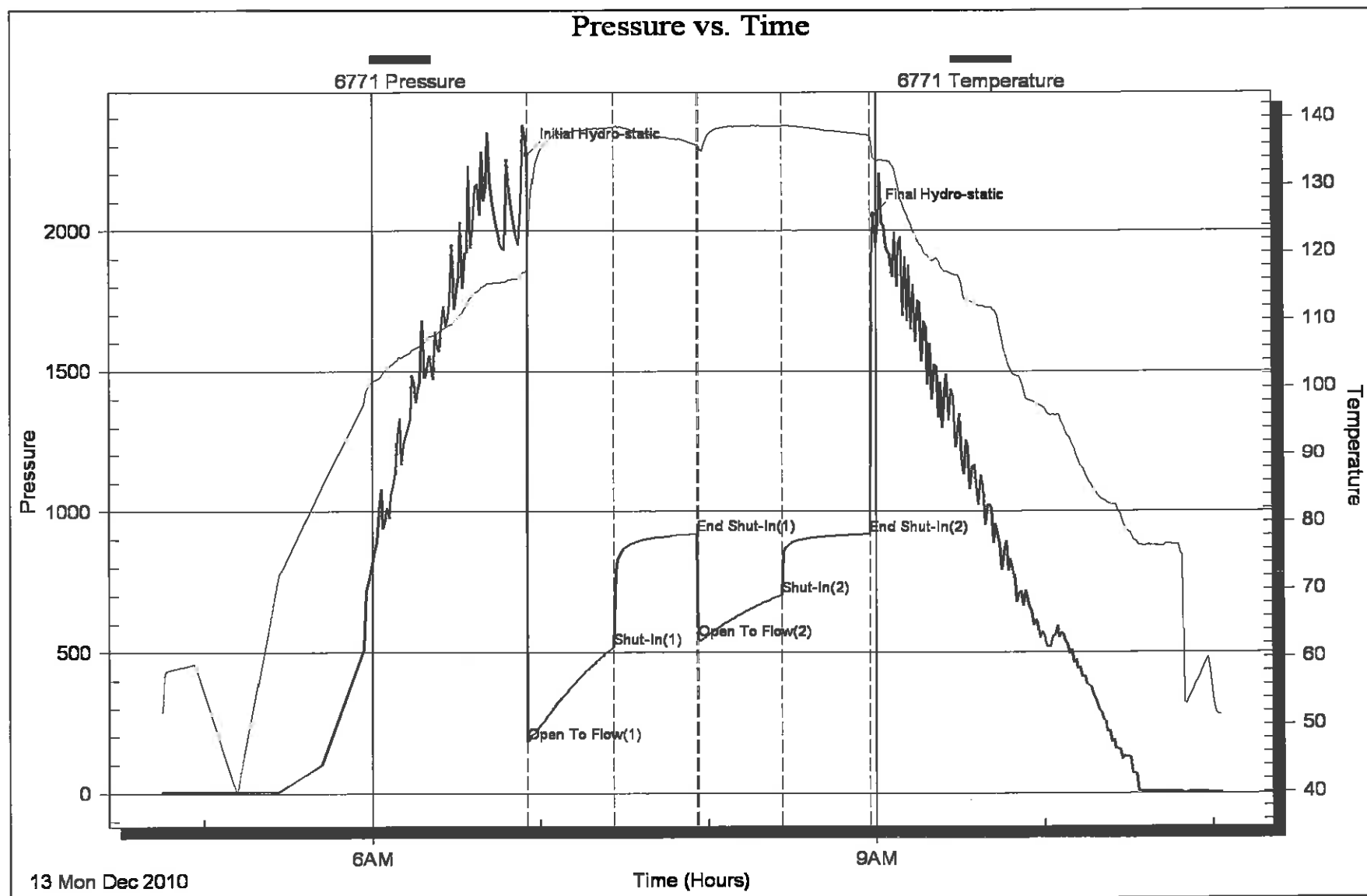
Num Gas Bombs: 0

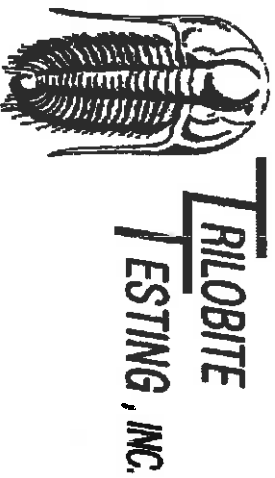
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw .325 @ 52°F = 29,000 chlor





DRILL STEM TEST REPORT

Prepared For: **FIML Natural Resources LLC**

410 17th St
Ste 900
Denver, CO 80202

ATTN: Jim Musgrove

33-18s-31w Scott, KS

Suppes #15D-33-1831

Start Date: 2010.12.13 @ 22:55:28

End Date: 2010.12.14 @ 05:55:58

Job Ticket #: 040547 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRIOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FML Natural Resources LLC

Suppes #16D-33-1831

410 17th St

33-18s-31w Scott, KS

Site 900

Job Ticket: 040547

DST#: 3

Denver, CO 80202

ATTN: Jim Masgrove

Test Start: 2010.12.13 @ 22:55:28

GENERAL INFORMATION:

Formation: Marmaton
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:55:28
Time Test Ended: 05:55:56
Interval: 4298.00 ft (KB) To 4410.00 ft (KB) (TVD)
Total Depth: 4410.00 ft (KB) (TVD)
Hole Diameter: 7.88 inchesHole Condition: Fair

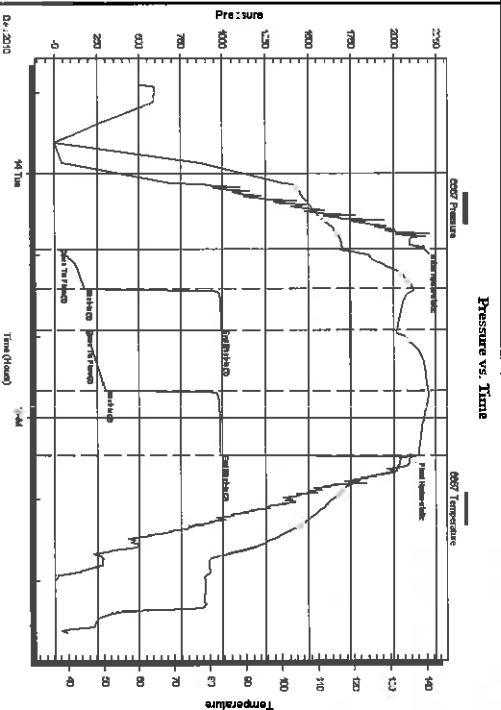
Test Type: Conventional Bottom Hole
Tester: Shane McBride
Unit No: 40

Reference Elevations: 2952.00 ft (KB)
2942.00 ft (CF)
KB to GRCE: 10.00 ft

Serial #: 6667 Inside
Press@RunDepth: 300.56 psig @ 4299.00 ft (KB)
Start Date: 2010.12.13 End Date:
Start Time: 22:55:28 End Time:

Capacity: 8000.00 psig
Last Calib.: 2010.12.14
Time On Btmr: 2010.12.14 @ 00:54:28
Time Off Btmr: 2010.12.14 @ 03:28:13

TEST COMMENT: B.O.B. in 22 min
No return
B.O.B. in 27 1/2 min.
No return



PRESSURE SUMMARY

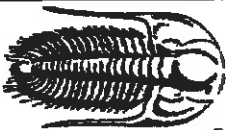
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2169.77	116.73	Initial Hydro-static
1	27.14	116.11	Open To Flow (1)
31	175.79	136.43	Shut-In (1)
61	992.01	131.95	End Shut-In (1)
61	181.79	131.61	Open To Flow (2)
106	300.56	140.39	Shut-In (2)
153	988.52	137.79	End Shut-In (2)
154	2096.05	136.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
302.00	w ater 100%w	2.03
180.00	s m c w 10% m 90%w	2.52
120.00	m c w 40% m 60%w	1.68

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

FML Natural Resources LLC

Suppes #15D-33-1831

410 17th St

33-18s-31w Scott, KS

Ste 900

Job Ticket: 040547

DST#: 3

Denver, CO 80202

ATTN: Jim Musgrove

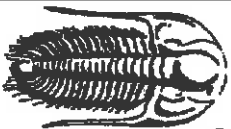
Test Start: 2010.12.13 @ 22:55:28

Tool Information

Drill Pipe:	Length: 4058.00 ft	Diameter: 3.80 inches	Volume: 56.92 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: 25000.00 lb
Drill Collar:	Length: 242.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose: 105000.0 lb
			Total Volume: 58.11 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	4298.00 ft			Final 81000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	112.00 ft			
Tool Length:	132.00 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			4279.00	
Shut In Tool	5.00			4284.00	
Hydraulic tool	5.00			4289.00	
Packer	5.00			4294.00	20.00 Bottom Of Top Packer
Packer	4.00			4298.00	
Stub	1.00			4299.00	
Recorder	0.00	6771	Outside	4299.00	
Recorder	0.00	6667	Inside	4299.00	
Perforations	10.00			4309.00	
Change Over Sub	1.00			4310.00	
Drill Pipe	94.00			4404.00	
Change Over Sub	1.00			4405.00	
Bullnose	5.00			4410.00	112.00 Bottom Packers & Anchor
Total Tool Length:		132.00			



TRIOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

FML Natural Resources LLC
410 17th St
Ste 900
Denver, CO 80202
ATTN: Jim Musgrove

Suppes #15D-33-1831
33-18s-31w Scott, KS
Job Ticket: 040547 DST#: 3
Test Start: 2010.12.13 @ 22:55:28

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 53.00 sec/qt
Water Loss: 9.51 hr³
Resistivity: 0.00 ohm.m
Salinity: 2000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig
Oil API: 0 deg API
Water Salinity: 32000 ppm

Recovery Information

Recovery Table

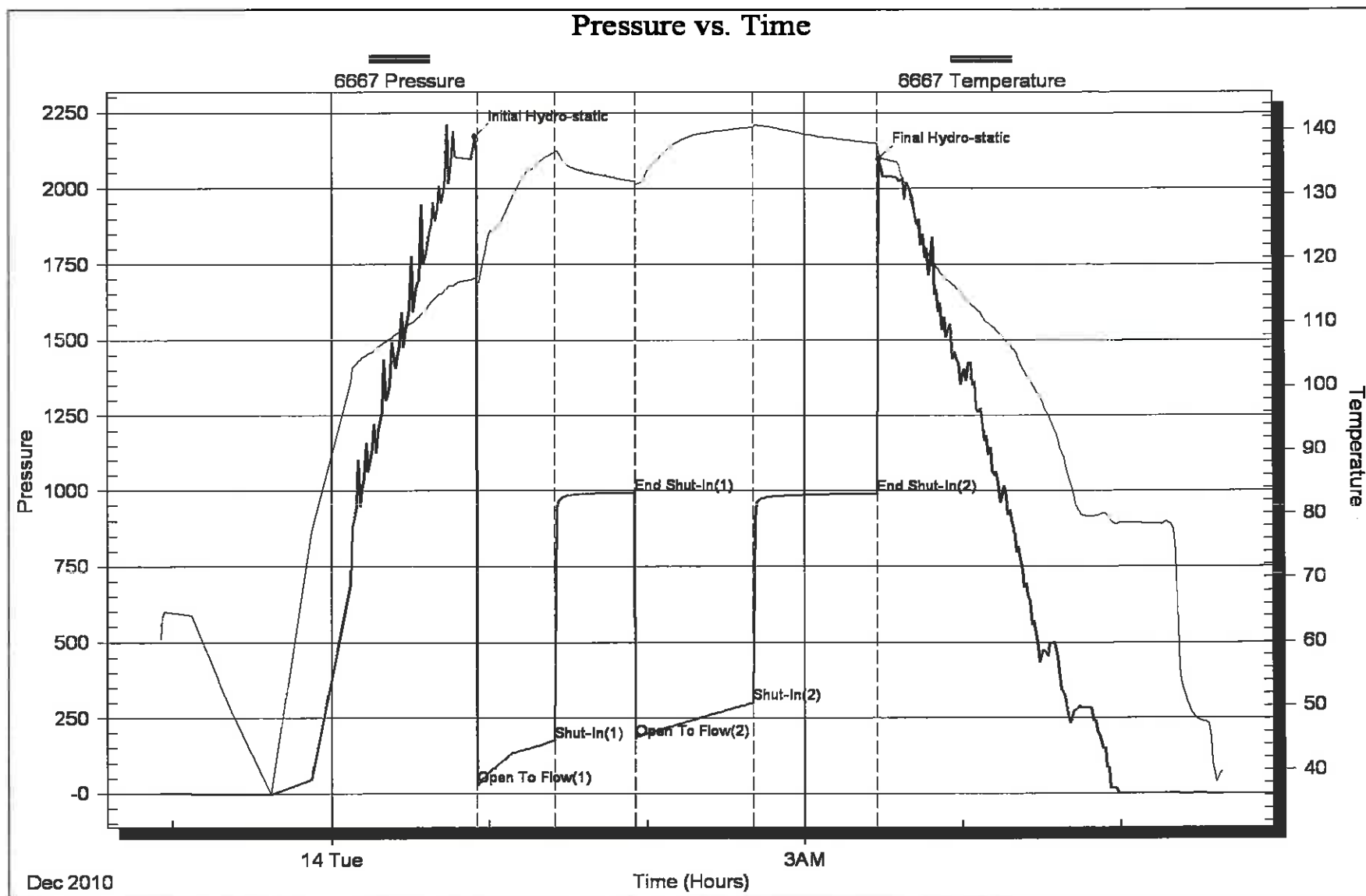
Length ft	Description	Volume bbl
302.00	water 100%w	2.032
180.00	s m c w 10% m 90% w	2.525
120.00	m c w 40% m 60% w	1.683

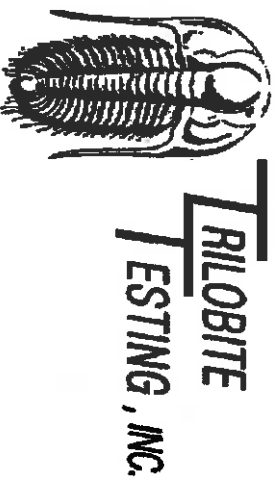
Total Length: 602.00 ft Total Volume: 6.240 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: rw .312 @ 45°F = 32,000 chlor





DRILL STEM TEST REPORT

Prepared For: **FIML Natural Resources LLC**

410 17th St
Ste 900
Denver, CO 80202

ATTN: Jim Musgrove

33-18s-31w Scott, KS

Suppes #15D-33-1831

Start Date: 2010.12.14 @ 19:45:34

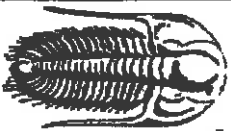
End Date: 2010.12.15 @ 02:35:34

Job Ticket #: 040548 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FML Natural Resources LLC

Suppes #16D-33-1831

410 17th St

33-18s-31w Scott, KS

Site 900

Job Ticket: 040548 DST#: 4

Denver, CO 80202

ATTN: Jim Musgrove

Test Start: 2010.12.14 @ 19:45:34

GENERAL INFORMATION:

Formation: Ft Scott, Cherokee
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:59:34
Time Test Ended: 02:35:34
Interval: 4451.00 ft (KB) To 4530.00 ft (KB) (TVD)
Total Depth: 4530.00 ft (KB) (TVD)
Hole Diameter: 7.88 inchesHole Condition: Fair

Test Type: Conventional Bottom Hole
Tester: Shane McBride
Unit No: 40

Reference Elevations: 2952.00 ft (KB)
2942.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6667 Inside
Press@RunDepth: 22.55 psig @ 4452.00 ft (KB)
Start Date: 2010.12.14 End Date: 2010.12.15
Start Time: 19:45:34 End Time: 02:19:34

Capacity: 8000.00 psig
Last Calib.: 2010.12.15
Time On Btmr: 2010.12.14 @ 21:59:19
Time Off Btmr: 2010.12.15 @ 00:17:19

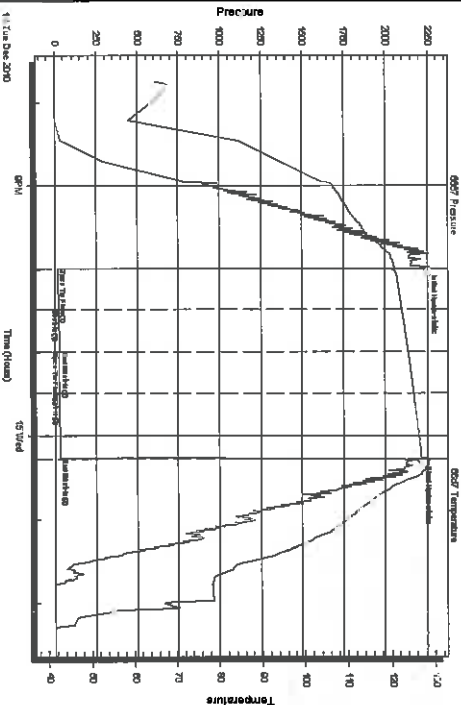
TEST COMMENT: 1/4" in blow died in 19 min.

No return

Weak surface blow died in 7 min.

No return

Pressure vs. Time



PRESSURE SUMMARY

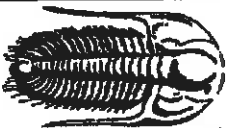
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2220.79	120.61	Initial Hydro-static
1	18.10	119.59	Open To Flow (1)
30	21.56	122.30	Shut-h(1)
60	32.42	123.80	End Shut-h(1)
61	22.95	123.81	Open To Flow (2)
90	22.55	125.11	Shut-h(2)
137	31.59	126.82	End Shut-h(2)
138	2189.61	128.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bb)
5.00	mud 100% m	0.02

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

FML Natural Resources LLC

Suppes #15D-33-1831

410 17th St

33-18s-31w Scott, KS

Ste 900

Job Ticket: 040548

Denver, CO 80202

DST#: 4

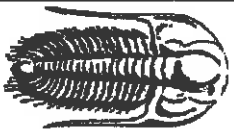
ATTN: Jim Musgrove

Test Start: 2010.12.14 @ 19:45:34

Tool Information

Drill Pipe: Length: 4214.00 ft Diameter: 3.80 inches Volume: 59.11 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: 25000.00 lb
Drill Collar: Length: 242.00 ft Diameter: 2.25 inches Volume: 1.19 bbl Weight to Pull Loose: 100000.0 lb
Drill Pipe Above KB: 25.00 ft Total Volume: 60.30 bbl Tool Chased 0.00 ft
Depth to Top Packer: 4451.00 ft String Weight: Initial 78000.00 lb
Depth to Bottom Packer: ft Final 78000.00 lb
Interval between Packers: 79.00 ft
Tool Length: 99.00 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			4432.00	
Shut In Tool	5.00			4437.00	
Hydraulic tool	5.00			4442.00	
Packer	5.00			4447.00	20.00 Bottom Of Top Packer
Packer	4.00			4451.00	
Stub	1.00			4452.00	
Recorder	0.00	6771	Outside	4452.00	
Recorder	0.00	6667	Inside	4452.00	
Perforations	8.00			4460.00	
Change Over Sub	1.00			4461.00	
Drill Pipe	63.00			4524.00	
Change Over Sub	1.00			4525.00	
Bit/nose	5.00			4530.00	79.00 Bottom Packers & Anchor
Total Tool Length:		99.00			



TRIOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

FML Natural Resources LLC
410 17th St
Ste 900
Denver, CO 80202
ATTN: Jim Musgrove

Suppes #16D-33-1831
33-18s-31w Scott, KS
Job Ticket: 040548 DST#: 4
Test Start: 2010.12.14 @ 19:45:34

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 56.00 sec/qt
Water Loss: 7.96 in³
Resistivity: 0.00 ohm.m
Salinity: 3200.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig
Oil API: 0 deg API
Water Salinity: 0 ppm

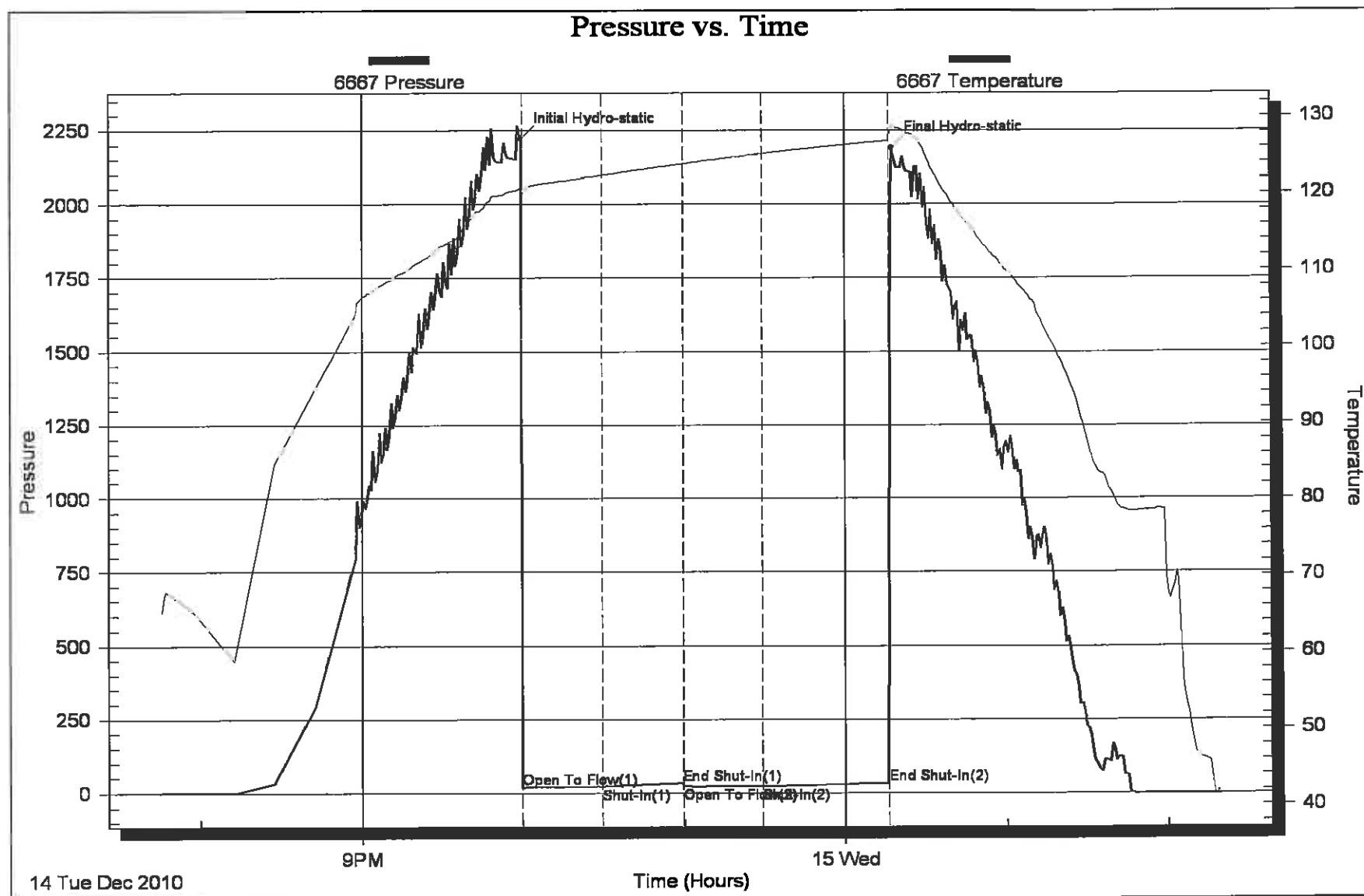
Recovery Information

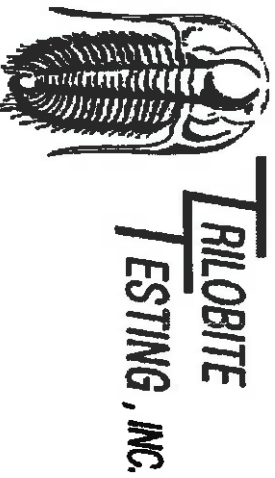
Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100% m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **FIML Natural Resources LLC**

410 17th St
Ste 900
Denver, CO 80202

ATTN: Jim Musgrove

33-18s-31w Scott, KS

Suppes #15D-33-1831

Start Date: 2010.12.15 @ 11:45:59

End Date: 2010.12.15 @ 20:40:59

Job Ticket #: 040549 DST #: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FML Natural Resources LLC
410 17th St
Ste 900
Denver, CO 80202
ATTN: Jim Masgrove

Suppes #16D-33-1831
33-18s-31w Scott, KS
Job Ticket: 040549 DST#: 5
Test Start: 2010.12.15 @ 11:45:59

GENERAL INFORMATION:

Formation: Spergen
Deviated: No Whipstock
Time Tool Opened: 13:33:44
Time Test Ended: 20:40:59
Interval: 4578.00 ft (KB) To 4596.00 ft (KB) (TVD)
Total Depth: 4596.00 ft (KB) (TVD)
Hole Diameter: 7.88 inchesHole Condition: Fair

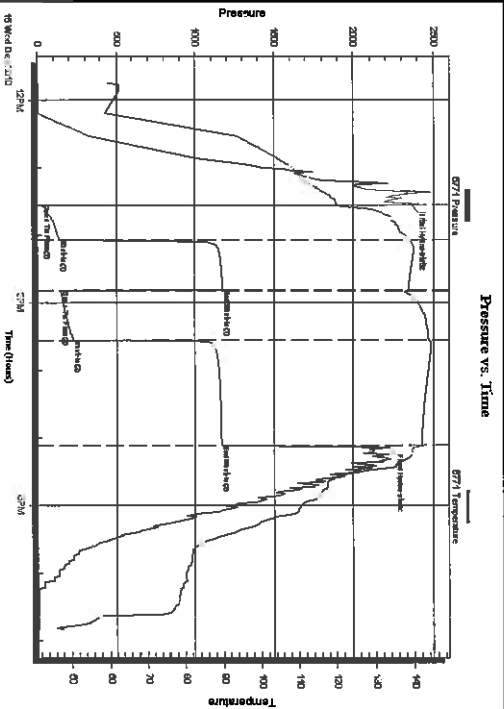
Test Type: Conventional Bottom Hole
Tester: Shane McBride
Unit No: 40

Reference Elevations: 2952.00 ft (KB)
2942.00 ft (CF)
KB to GRCF: 10.00 ft

Serial #: 6771 Outside
Press@RunDepth: 220.54 psig @ 4579.00 ft (KB)
Start Date: 2010.12.15 End Date:
Start Time: 11:45:59 End Time:

Capacity: 8000.00 psig
Last Calib.: 2010.12.15
Time On Btmr: 2010.12.15 @ 13:33:14
Time Off Btmr: 2010.12.15 @ 17:08:29

TEST COMMENT: B.O.B. in 14 1/2 min.
5" in return blow
5" in @ open B.O.B. in 11 min.
1" in return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2360.01	119.77	Initial Hydro-static
1	29.45	119.20	Open To Flow (1)
32	135.80	138.38	Shut-In(1)
76	1170.26	138.34	End Shut-In(1)
77	146.96	137.58	Open To Flow (2)
121	220.54	143.51	Shut-In(2)
214	1167.47	141.66	End Shut-In(2)
216	2217.02	140.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	g m c o 35%g 30% m 35% o	0.59
407.00	c g o 20%g 80% o	4.60
0.00	555' gas in pipe	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

FML Natural Resources LLC

Suppes #15D-33-1831

410 17th St

33-18s-31w Scott, KS

Ste 900

Job Ticket: 040549

DST#:5

Denver, CO 80202

ATTN: Jim Musgrove

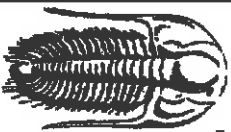
Test Start: 2010.12.15 @ 11:45:59

Tool Information

Drill Pipe:	Length: 4341.00 ft	Diameter: 3.80 inches	Volume: 60.89 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: 25000.00 lb
Drill Collar:	Length: 242.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose: 105000.0 lb
			Total Volume: 62.08 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 79000.00 lb
Depth to Top Packer:	4578.00 ft			Final 81000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	38.00 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			4559.00	
Shut In Tool	5.00			4564.00	
Hydraulic tool	5.00			4569.00	
Packer	5.00			4574.00	20.00 Bottom Of Top Packer
Packer	4.00			4578.00	
Stub	1.00			4579.00	
Recorder	0.00	6771	Outside	4579.00	
Recorder	0.00	6667	Inside	4579.00	
Perforations	12.00			4591.00	
Bullnose	5.00			4596.00	18.00 Bottom Packers & Anchor
Total Tool Length:		38.00			



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

FML Natural Resources LLC

Suppes #15D-33-1831

410 17th St

33-18s-31w Scott, KS

Ste 900

Job Ticket: 040549

DST#: 5

Denver, CO 80202

ATTN: Jim Musgrove

Test Start: 2010.12.15 @ 11:45:59

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 10.00 lb/gal
Viscosity: 57.00 sec/qt
Water Loss: 7.19 in³
Resistivity: 0.00 ohm.m
Salinity: 4000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig
Oil API: 32 deg API
Water Salinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	g m c o 35%g 30% m 35% o	0.590
407.00	c g o 20%g 80% o	4.598
0.00	555' gas in pipe	0.000

Total Length: 527.00 ft Total Volume: 5.188 bbl

Num Fluid Samples: 0

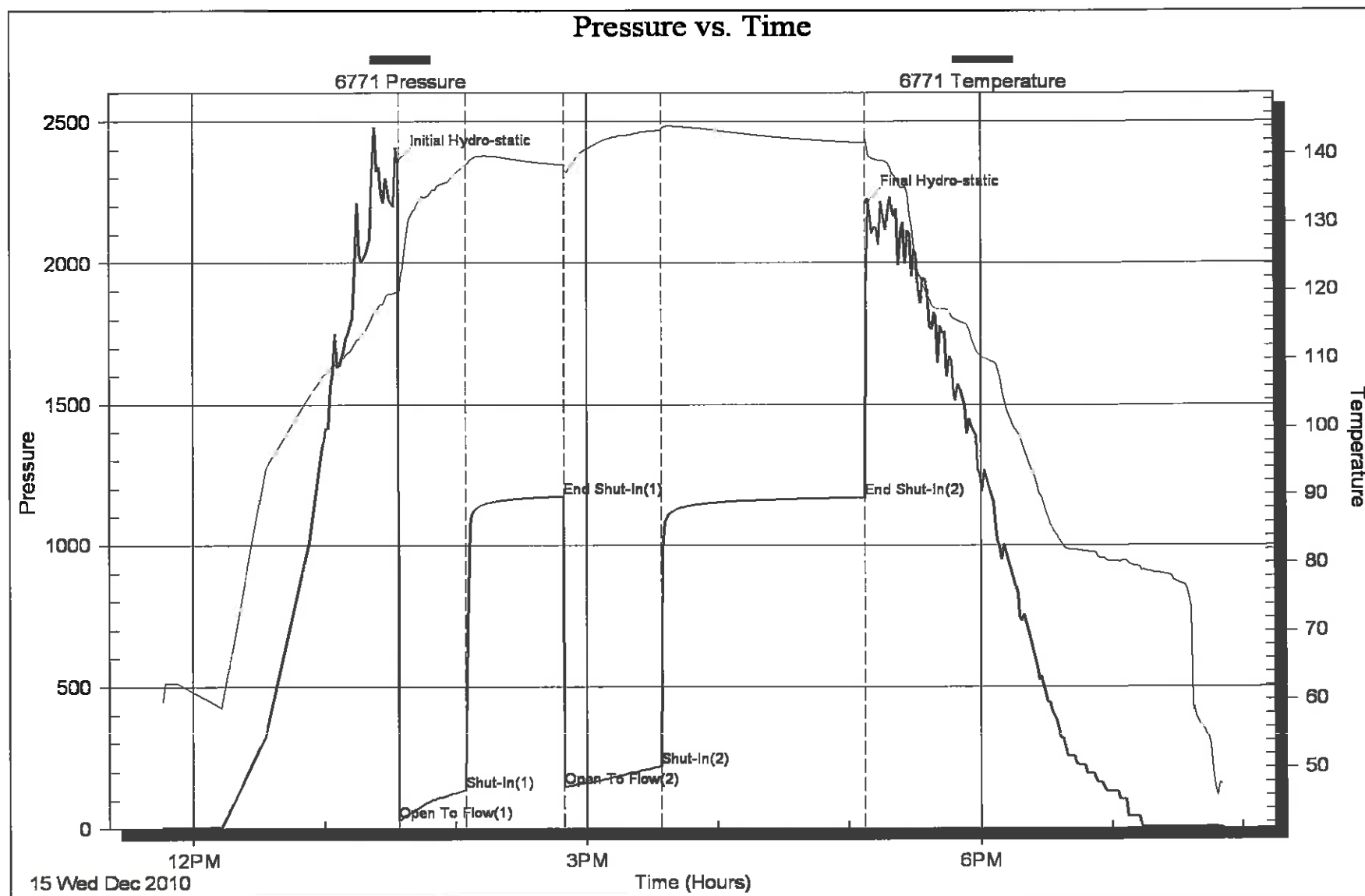
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING INC.**

P.O. Box 1733 • Hays, Kansas 67601

DEC 20 2010

Test Ticket

NO. 040545

4/10

Well Name & No. Suppes # 15D-33-1831 Test No. #1 Date 12/12/10
Company ETM Natural Resources LLC Elevation 2852 KB 2942 GL
Address 1017th St, Ste 900 Denver, Colo 80202
Co. Rep / Geo. Timothy Square / Kemp Rig Shut-In #21
Location: Sec. 33 Twp. 18S Rge. 31W Co. Scott State Ks

Interval Tested 41180 4118 Zone Tested RC
Anchor Length 38 Drill Pipe Run 3928 Mud Wt. 9.3
Top Packer Depth 4175 Drill Collars Run 242 Vis 57
Bottom Packer Depth 41180 Wt. Pipe Run --- WL 9.4
Total Depth 41218 Chlorides 2000 ppm System LCM #10
Blow Description B.O.B. in 24 1/2 min

4116 returned

B.O.B. in 31 min

4116 returned

Rec	5	Feet of	Free Oil	%gas	100%oil	%water	%mud
Rec	85	Feet of	0 1/2 m cu	%gas	10 %oil	30 %water	60 %mud
Rec	180	Feet of	0 3/4 m cu	%gas	10 %oil	60 %water	30 %mud
Rec	242	Feet of	5 1/2 m cu	%gas	2 %oil	88 %water	10 %mud
Rec		Feet of		%gas			

Rec Total 512' BHT 134° Gravity 33 API RW 335 @ 45 ° F Chlorides 31,000 ppm
(A) Initial Hydrostatic 2119 Test 1225.00 T-On Location 07:40
(B) First Initial Flow 24 X Jars 250.00 T-Started 08:45
(C) First Final Flow 1461 X Safety Joint 75.00 T-Open 10:42
(D) Initial Shut-In 950 X Circ Sub 4/c T-Pulled 13:27
(E) Second Initial Flow 162 X Hourly Standby T-Out 17:30
(F) Second Final Flow 250 X Mileage 261R 32.50 Comments _____
(G) Final Shut-In 953 X Sampler _____
(H) Final Hydrostatic 1990 X Straddle _____

Initial Open 30 ☐ Shale Packer _____ ☐ Ruined Shale Packer _____
Initial Shut-In 30 ☐ Extra Packer _____ ☐ Ruined Packer _____
Final Flow 45 ☐ Extra Recorder _____ ☐ Extra Copies _____
Final Shut-In 60 ☐ Day Standby _____ Sub Total _____
MP/DST Disc't _____
Sub Total 1582.50

Approved By [Signature] Our Representative [Signature]
Trilobite Testing Inc. shall not be liable for damaged or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE
TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
DEC 20 2010

Test Ticket

NO. **040546**

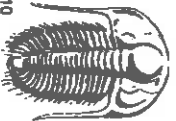
Well Name & No. Suppes #15D-33-1831 Test No. #2 Date 12/13/10
Company ETM Natural Resources Inc Elevation 2952 KB 2942 GL
Address 410 17th St. Ste 100 Denver, Colo 80202
Co. Rep / Geo Jim Musgrove Rig Murphy #21
Location: Sec. 33 Twp. 18S Rge. 3W Co. Scott State KS

Interval Tested 4220 4301 Zone Tested KL
Anchor Length 81 Drill Pipe Run 3956' Mud Wt. 9.4
Top Packer Depth 4215 Drill Collars Run 242' XH Vis 5.3
Bottom Packer Depth 4220 Wt. Pipe Run _____ WL 9.6
Total Depth 4301 Chlorides 3000 ppm System LCM #4
Blow Description BOB. in 2 1/2 min
710 return
BOB. in 1 min
710 return

Rec	Feet of	%gas	SPOT%oil	%water	%mud
Rec <u>200</u>	Feet of <u>meas</u>	%gas	<u>SPOT%oil</u>	<u>55</u> %water	<u>45</u> %mud
Rec <u>300</u>	Feet of <u>Smeco</u>	%gas	<u>SPOT%oil</u>	<u>80</u> %water	<u>20</u> %mud
Rec <u>962</u>	Feet of <u>water</u>	%gas	<u>SW%oil</u>	<u>100</u> %water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud

Rec Total 1462' BHT 1370 Gravity _____ API RW 1.325 @ 52 °F Chlorides 29000 ppm
(A) Initial Hydrostatic 2269 X Test \$1225.00 T-On Location 04.15
(B) First Initial Flow 181 X Jars \$250.00 T-Started 04.45
(C) First Final Flow 517 X Safety Joint \$75.00 T-Open 06.37
(D) Initial Shut-In 918 X Circ Sub N/C T-Pulled 08.37
(E) Second Initial Flow 547 X Hourly Standby _____ T-Out 11.25
(F) Second Final Flow 701 X Mileage NR \$ 32.50 Comments _____
(G) Final Shut-In 918 X Sampler _____
(H) Final Hydrostatic 2053 X Straddle _____

Initial Open 30 ☐ Shale Packer _____
Initial Shut-In 30 ☐ Extra Packer _____
Final Flow 30 ☐ Extra Recorder _____
Final Shut-In 30 ☐ Day Standby _____
Sub Total 1582.50 ☐ Accessibility _____
MP/DST Disc't _____
Approved By [Signature] Our Representative [Signature]
Trilobite Testing Inc. shall not be liable for damaged or any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE
TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

DEC 20 2010

Test Ticket
NO. 040547

4/10

Well Name & No.	Suppes #15D-33-1831	Test No.	#3	Date	12/14/10
Company	ETM Natural Resources, Inc.	Elevation	2952	KB	2029 ft
Address	410 17th St Ste 800 Lawer Colo	City	80502	State	CO
Co. Rep / Geo.	Jim Magnuson	Rig	9 Manul #21		
Location: Sec.	33	Twp.	18S	Rge.	3rd
				Co.	Scott
				State	KS

Interval Tested 4198 4410 Zone Tested Manul 41038' Mud Wt. 9.4

Anchor Length 113 Drill Pipe Run 41038' Mud Wt. 9.4

Top Packer Depth 4193 Drill Collars Run 442 1/4 Vis 33

Bottom Packer Depth 4298 Wt. Pipe Run 2 WL 9.6

Total Depth 4410 Chlorides 3008 ppm System LCM 446

Blow Description B.O.B. in 202 min

1103 return
B.O.B. in 27 1/2 min.
No return

Rec 120 Feet of muc %gas %oil 600 %water 415 %mud

Rec 180 Feet of SMUC %gas %oil 80 %water 10 %mud

Rec 302 Feet of water %gas %oil 100 %water %mud

Rec Feet of %gas %oil %water %mud

Rec Feet of %gas %oil %water %mud

Rec Total 6002' BHT 138° Gravity API RW. 312 @ 45° F Chlorides 3200 ppm

(A) Initial Hydrostatic 2169 Test 1225 T-On Location 22.120

(B) First Initial Flow 27 Jars T-Started 22.155

(C) First Final Flow 175 Safety Joint T-Open 20.153

(D) Initial Shut-In 992 Circ Sub n/c T-Pulled 03.123

(E) Second Initial Flow 181 Hourly Standby T-Out 05.55

(F) Second Final Flow 300 Mileage 26 RT 32 50 Comments

(G) Final Shut-In 988 Sampler

(H) Final Hydrostatic 2026 Straddle

Initial Open 30 Shale Packer

Initial Shut-In 30 Extra Packer

Final Flow 445 Extra Recorder

Final Shut-In 445 Day Standby

Sub Total 1257.50 Accessibility Sub Total 8 Total 1257.50

Approved By [Signature] Our Representative [Signature] MP/DST Disc't

TriLOBITE Testing Inc. shall not be liable for damaged or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

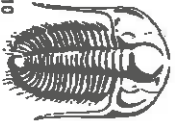


DEC 20 2010

No. 040548

BY

Tribletta Testing Inc. shall not be liable for damaged or any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE
TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

DEC 20 2010

Test Ticket

NO. 040549

4/10

Well Name & No.	Supper #151D	Test No.	#5	Date	12/15/10
Company	FTM Natural Resources Inc.	Elevation	2952	KB	23418
Address	410 17th St Ste 900 Denver, CO 80202				
Co. Rep / Geo.	Jim Musgrave	Rig	Murphy #21		
Location: Sec.	33	Twp.	R5	Rge.	3W
				Co.	Sec #
				State	KS

Interval Tested	3575	4596	Zone Tested	Spargal	Mud Wt.	9.5
Anchor Length	18'	4541	Drill Pipe Run	4541		
Top Packer Depth	4523	4523	Drill Collars Run	212' KH	Vis	57
Bottom Packer Depth	4528	4528	Wt. Pipe Run		WL	7.2
Total Depth	4596	4596	Chlorides	1100	ppm System	LCM
Blow Description	5" open B.O.B. in 14 1/2 min					

5" open B.O.B. in 11 min

Rec	402	Feet of	290	%gas	80	%oil		%water		%mud
Rec	120	Feet of	9mud	35	%gas	35	%oil		%water	30
Rec		Feet of		%gas		%oil		%water		%mud
Rec		Feet of	(555' gas in D.H.)	%gas		%oil		%water		%mud

Rec		Feet of		%gas		%oil		%water		%mud
Rec Total	527	BHT	142°	Gravity	32	API	FW		Chlorides	
(A) Initial Hydrostatic	2360			X Test	#1225					ppm
(B) First Initial Flow	135			☐ Jars						T-On Location
(C) First Final Flow	135			☐ Safety Joint						T-Started
(D) Initial Shut-In	1170			X Circ Sub	Wt					T-Open
(E) Second Initial Flow	146			☐ Hourly Standby						T-Pulled
(F) Second Final Flow	270			X Mileage	227	#3250				T-Out
(G) Final Shut-In	1147			☐ Sampler						Comments
(H) Final Hydrostatic	2217			☐ Straddle						

Initial Open	30	☐ Shale Packer	☐ Ruined Shale Packer
Initial Shut-In	45	☐ Extra Packer	☐ Ruined Packer
Final Flow	45	☐ Extra Recorder	☐ Extra Copies
Final Shut-In	90	☐ Day Standby	Sub Total 8
		☐ Accessibility	Total 125750

Sub Total	125750	MP/DST Disc't	
Approved By	Al Bengi De	Our Representative	Al Bengi De
TriLOBITE Testing Inc. shall not be liable for damaged or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of the equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.			