



DRILL STEM TEST REPORT

Prepared For: **FIML Natral Resources LLC**

410 17th St. STE.900
Denver Co 80202

ATTN: Jim Musgrove

34-18-31 Scott KS

Suppes

Start Date: 2010.12.04 @ 04:56:15

End Date: 2010.12.04 @ 11:29:30

Job Ticket #: 040199 DST #: 1

RECEIVED
DEC 16 2010

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

ORIGINAL

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FIML Natral Resources LLC

Suppes

34-18-31 Scott KS

DST # 1

Marmaton Altamont A-

2010.12.04



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TESTING, INC**

DRILL STEM TEST REPORT

FML Natral Resources LLC

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Job Ticket: 040199

DST#: 1

Test Start: 2010.12.04 @ 04:56:15

GENERAL INFORMATION:

Formation: **Marmaton Altamont A-**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:18:00

Time Test Ended: 11:29:30

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 48

Interval: **4304.00 ft (KB) To 4410.00 ft (KB) (TVD)**

Total Depth: 4410.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2941.00 ft (KB)

2931.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8358

Outside

Press@RunDepth: 22.48 psig @ 4375.00 ft (KB)

Start Date: 2010.12.04

End Date:

2010.12.04

Start Time: 04:56:15

End Time:

11:29:30

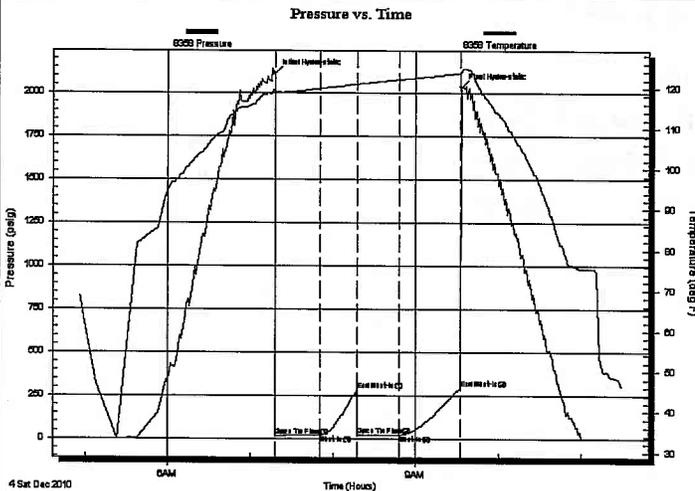
Capacity: 8000.00 psig

Last Calib.: 2010.12.04

Time On Btm: 2010.12.04 @ 07:17:45

Time Off Btm: 2010.12.04 @ 09:33:00

TEST COMMENT: IF: Built to a surface blow
IS: No return blow
FF: No blow
FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2110.02	119.48	Initial Hydro-static
1	17.88	118.90	Open To Flow (1)
33	20.13	119.84	Shut-In(1)
60	281.69	120.98	End Shut-In(1)
60	21.62	120.90	Open To Flow (2)
90	22.48	122.09	Shut-In(2)
135	296.93	123.59	End Shut-In(2)
136	2033.71	124.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	m 100% m	0.02

Gas Rates

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



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TOOL DIAGRAM

FIML Natral Resources LLC

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Test Start: 2010.12.04 @ 04:56:15

Tool Information

Drill Pipe:	Length: 4021.00 ft	Diameter: 3.80 inches	Volume: 56.40 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: 271.00 ft	Diameter: 2.25 inches	Volume: 1.33 bbl	Weight to Pull Loose: 90000.00 lb
		Total Volume:	57.73 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	4304.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	106.00 ft			
Tool Length:	126.00 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			4285.00	
Shut In Tool	5.00			4290.00	
Hydraulic tool	5.00			4295.00	
Packer	5.00			4300.00	20.00 Bottom Of Top Packer
Packer	4.00			4304.00	
Stubb	1.00			4305.00	
Perforations	5.00			4310.00	
Change Over Sub	1.00			4311.00	
Drill Pipe	63.00			4374.00	
Change Over Sub	1.00			4375.00	
Recorder	0.00	8358	Outside	4375.00	
Recorder	0.00	8322	Outside	4375.00	
Perforations	30.00			4405.00	
Bullnose	5.00			4410.00	106.00 Bottom Packers & Anchor

Total Tool Length: 126.00



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FLUID SUMMARY

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Test Start: 2010.12.04 @ 04:56:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.37 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	m 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:

