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By

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **FIML Natural Resources, LLC**

410 17th St. Suite 900
Denver, CO 80202

ATTN: Josh Austin / Gary Do

30 18s 31w Scott, KS

Pfenninger #9D

Start Date: 2011.07.18 @ 06:35:00
End Date: 2011.07.18 @ 13:29:15
Job Ticket #: 042243 DST #: 1

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

ORIGINAL

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

FML Natural Resources, LLC
410 17th St. Suite 900
Denver, CO 80202

ATTN: Josh Austin / Gary Do0

Pfenninger #9D

30 18s 31w Scott, KS

Job Ticket: 042243 **DST#: 1**

Test Start: 2011.07.18 @ 06:35:00

GENERAL INFORMATION:

Formation: **Lansing J**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:49:00
Time Test Ended: 13:29:15

Interval: 4220.00 ft (KB) To 4255.00 ft (KB) (TVD)
Total Depth: 4255.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

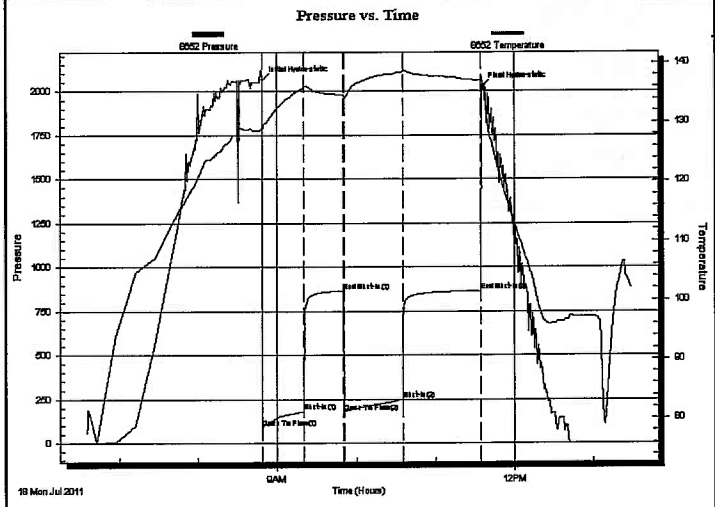
Test Type: Conventional Bottom Hole
Tester: Bradley Walter
Unit No: 40

Reference Elevations: 2996.00 ft (KB)
2984.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8652 **Inside**

Press@RunDepth:	249.40 psig @	4221.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2011.07.18	End Date:	2011.07.18	Last Calib.:	2011.07.18
Start Time:	06:35:05	End Time:	13:29:14	Time On Btm:	2011.07.18 @ 08:48:45
				Time Off Btm:	2011.07.18 @ 11:35:15

TEST COMMENT: IF: BOB @ 28 minutes.
ISI: No return blow.
FF: BOB @ 40 minutes.
FSI: No return blow.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2065.54	129.05	Initial Hydro-static
1	91.00	128.33	Open To Flow (1)
32	180.48	135.80	Shut-In(1)
62	866.41	134.54	End Shut-In(1)
62	179.56	134.08	Open To Flow (2)
107	249.40	138.48	Shut-In(2)
166	866.71	137.08	End Shut-In(2)
167	2025.54	137.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
540.00	mcw 20m 80w (oil spots on top)	5.03

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

TRILOBITE TESTING, INC

FIML Natural Resources, LLC

410 17th St. Suite 900
Denver, CO 80202

ATTN: Josh Austin / Gary Do0

Pfenninger #9D

30 18s 31w Scott, KS

Job Ticket: 042243 **DST#: 1**

Test Start: 2011.07.18 @ 06:35:00

Tool Information

Drill Pipe:	Length:	3952.00 ft	Diameter:	3.80 inches	Volume:	55.44 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:	279.00 ft	Diameter:	2.25 inches	Volume:	1.37 bbl	Weight to Pull Loose:		83000.00 lb
					Total Volume:	56.81 bbl	Tool Chased		10.00 ft
Drill Pipe Above KB:		32.00 ft					String Weight:	Initial	66000.00 lb
Depth to Top Packer:		4220.00 ft						Final	68000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		35.00 ft							
Tool Length:		56.00 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			4200.00		
Shut In Tool	5.00			4205.00		
Hydraulic tool	5.00			4210.00		
Packer	5.00			4215.00	21.00	Bottom Of Top Packer
Packer	5.00			4220.00		
Stubb	1.00			4221.00		
Recorder	0.00	8360	Outside	4221.00		
Recorder	0.00	8652	Inside	4221.00		
Perforations	31.00			4252.00		
Bullnose	3.00			4255.00	35.00	Bottom Packers & Anchor
Total Tool Length:	**56.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

TRILOBITE TESTING, INC

FIML Natural Resources, LLC

410 17th St. Suite 900
Denver, CO 80202

ATTN: Josh Austin / Gary Do0

Pfenninger #9D

30 18s 31w Scott, KS

Job Ticket: 042243 **DST#: 1**

Test Start: 2011.07.18 @ 06:35:00

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:	43000 ppm
Viscosity:	47.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.76 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1350.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

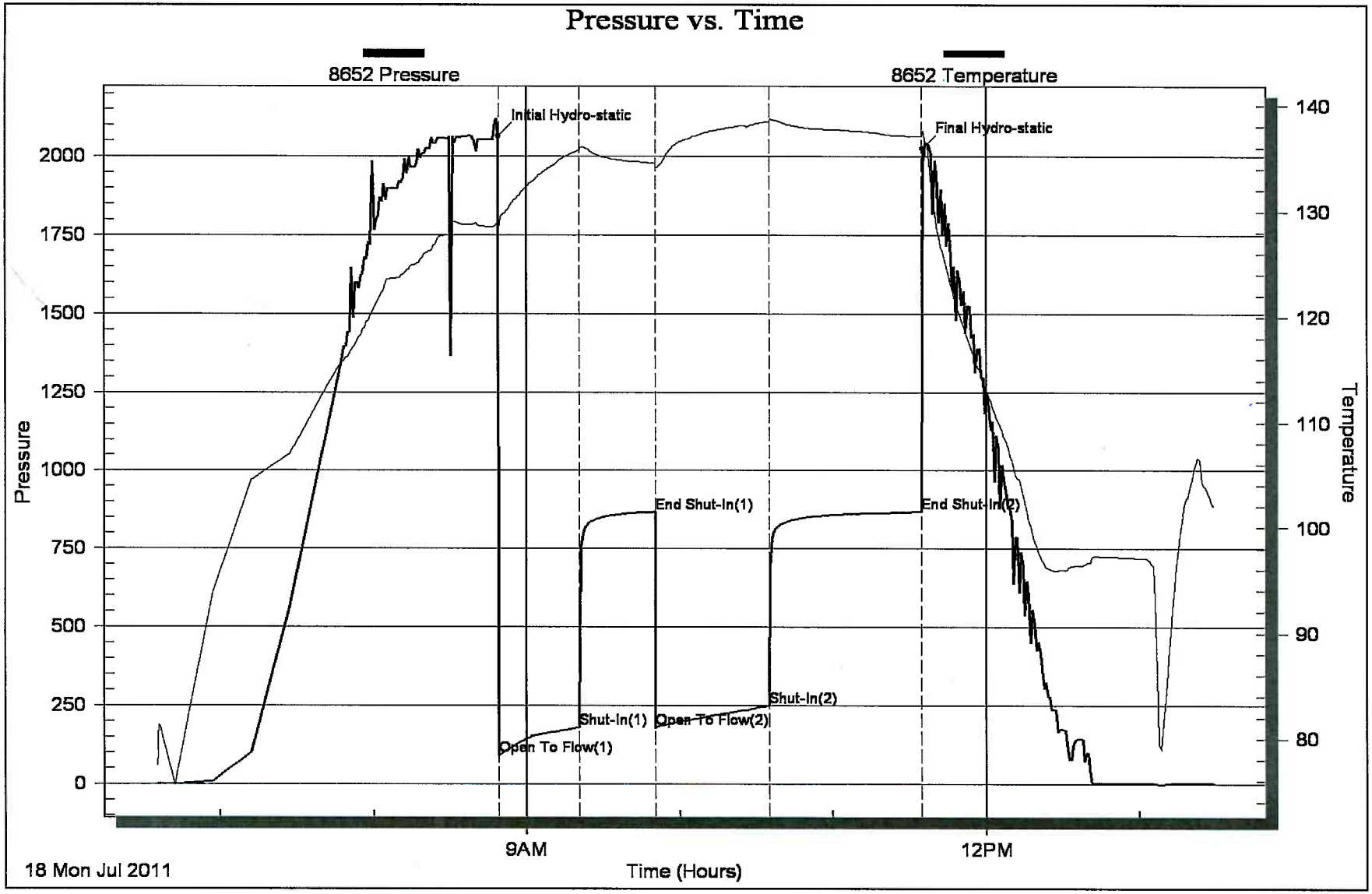
Length ft	Description	Volume bbl
540.00	mcw 20m80w (oil spots on top)	5.033

Total Length: 540.00 ft Total Volume: 5.033 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: rw is .110 @ 105 = 43000ppm


Pressure vs. Time
8652 Pressure
8652 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Open To Flow(1)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
2000
1750
1500
1250
1000
750
500
250
0
140
130
120
110
100
90
80
9AM
12PM
Time (Hours)
18 Mon Jul 2011

TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

4/10

JUL 2 1 2011

Test Ticket

NO. 042243 | 6082

Well Name & No. Pfenninger #90 Test No. 1 Date 7/18/11

Company FIML Natural Resources Elevation 2996 KB 2984 GL

Address 410 17th Street Suite 900 Denver, Co 80202

Co. Rep / Geo. Josh Austin Rig H2 #1

Location: Sec. 30 Twp. 18s Rge. 31w Co. Scott State Ks

Interval Tested 4220 - 4255 Zone Tested Lansing J

Anchor Length 35 Drill Pipe Run 3952 Mud Wt. 9.1

Top Packer Depth 4215 Drill Collars Run 279 Vis 47

Bottom Packer Depth 4220 Wt. Pipe Run 0 WL 8.8

Total Depth 4255 Chlorides 1350 ppm System LCM 2#

Blow Description IF: BOB @ 28 minutes

ISI: No return blow.

FF: BOB @ 40 minutes

FSI: No return blow.

Rec 540	Feet of mcw	%gas	%oil	80 %water	20 %mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 540 BHT 137 Gravity — API RW .110 @ 105 °F Chlorides 43,000 ppm

(A) Initial Hydrostatic	2066	☒ Test	1225	T-On Location	0600
(B) First Initial Flow	91	☐ Jars		T-Started	0635
(C) First Final Flow	180	☐ Safety Joint		T-Open	0850
(D) Initial Shut-In	866	☒ Circ Sub	NC	T-Pulled	1136
(E) Second Initial Flow	180	☐ Hourly Standby		T-Out	1329
(F) Second Final Flow	249	☒ Mileage	22 @ 1.40	Comments	
(G) Final Shut-In	867	☐ Sampler			
(H) Final Hydrostatic	2026	☐ Straddle		☐ Ruined Shale Packer	
		☐ Shale Packer		☐ Ruined Packer	
Initial Open	30	☐ Extra Packer		☐ Extra Copies	
Initial Shut-In	30	☐ Extra Recorder		Sub Total	150
Final Flow	45	☐ Day Standby		Total	1405.80
Final Shut-In	60	☒ Accessibility	150	MP/DST Disc't	
		Sub Total	1255.80		

Approved By [signature] Our Representative [signature]

Trilobite Testing Inc. shall not be liable for damaged of 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.

DRILL STEM TEST REPORT

Prepared For: **FIML Natural Resources, LLC**

410 17th St. Suite 900
Denver, CO 80202

ATTN: Josh Austin / Gary Do

30 18s 31w Scott, KS

Pfenninger #9D

Start Date: 2011.07.19 @ 02:50:00

End Date: 2011.07.19 @ 12:05:45

Job Ticket #: 042244 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

FML Natural Resources, LLC
410 17th St. Suite 900
Denver, CO 80202

ATTN: Josh Austin / Gary Do0

Pfenninger #9D

30 18s 31w Scott, KS

Job Ticket: 042244 **DST#: 2**

Test Start: 2011.07.19 @ 02:50:00

GENERAL INFORMATION:

Formation: **Marmaton/Altamont**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:20:15
Time Test Ended: 12:05:45

Test Type: Conventional Bottom Hole
Tester: Bradley Walter
Unit No: 40

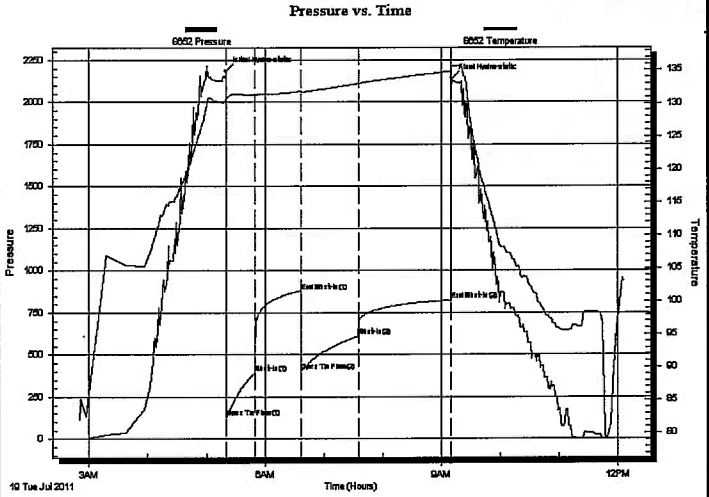
Interval: 4308.00 ft (KB) To 4400.00 ft (KB) (TVD)
Total Depth: 4400.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2996.00 ft (KB)
2984.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8652 **Inside**

Press@RunDepth:	609.81 psig @	4309.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2011.07.19	End Date:	2011.07.19	Last Calib.:	2011.07.19
Start Time:	02:50:05	End Time:	12:05:45	Time On Btm:	2011.07.19 @ 05:20:00
				Time Off Btm:	2011.07.19 @ 09:10:30

TEST COMMENT: IF: BOB @ 1 1/2 minutes.
ISI: BOB @ 15 minutes.
FF:BOB @ 1 minute.
FSI BOB @ 45 minutes.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2185.26	131.16	Initial Hydro-static
1	129.13	130.45	Open To Flow (1)
30	391.58	131.23	Shut-In(1)
77	878.18	131.81	End Shut-In(1)
77	405.60	131.65	Open To Flow (2)
136	609.81	133.00	Shut-In(2)
230	822.90	134.85	End Shut-In(2)
231	2140.64	135.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
200.00	gmco 20g 30m 50o	0.98
1510.00	go 40g 60o	20.46
0.00	1140 GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

TRILOBITE TESTING, INC

FML Natural Resources, LLC
410 17th St. Suite 900
Denver, CO 80202

ATTN: Josh Austin / Gary Do0

Pfenninger #9D

30 18s 31w Scott, KS

Job Ticket: 042244 **DST#: 2**

Test Start: 2011.07.19 @ 02:50:00

Tool Information

Drill Pipe:	Length:	4016.00 ft	Diameter:	3.80 inches	Volume:	56.33 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:	279.00 ft	Diameter:	2.25 inches	Volume:	1.37 bbl	Weight to Pull Loose:		87000.00 lb
					Total Volume:	57.70 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		8.00 ft					String Weight:	Initial	68000.00 lb
Depth to Top Packer:		4308.00 ft						Final	70000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		92.00 ft							
Tool Length:		113.00 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			4288.00		
Shut In Tool	5.00			4293.00		
Hydraulic tool	5.00			4298.00		
Packer	5.00			4303.00	21.00	Bottom Of Top Packer
Packer	5.00			4308.00		
Stubb	1.00			4309.00		
Recorder	0.00	8360	Outside	4309.00		
Recorder	0.00	8652	Inside	4309.00		
Perforations	3.00			4312.00		
Change Over Sub	1.00			4313.00		
Drill Pipe	63.00			4376.00		
Change Over Sub	1.00			4377.00		
Perforations	20.00			4397.00		
Bullnose	3.00			4400.00	92.00	Bottom Packers & Anchor
Total Tool Length:	**113.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

FML Natural Resources, LLC

410 17th St. Suite 900
Denver, CO 80202

ATTN: Josh Austin / Gary Do0

Pfenninger #9D

30 18s 31w Scott, KS

Job Ticket: 042244 **DST#: 2**

Test Start: 2011.07.19 @ 02:50:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	37 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	0 ppm
Viscosity:	56.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.37 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1100.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

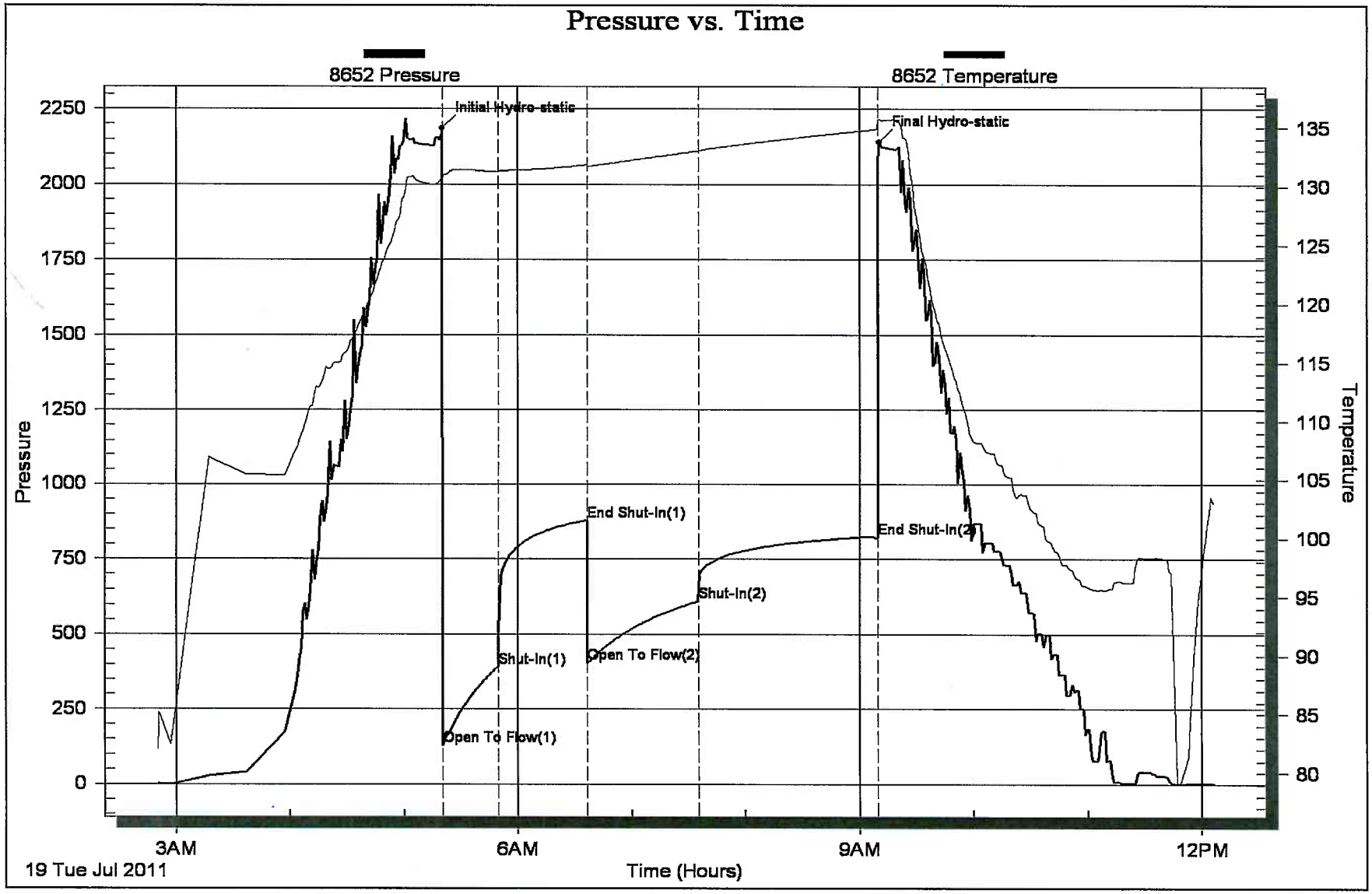
Length ft	Description	Volume bbl
200.00	gmco 20g 30m 50o	0.984
1510.00	go 40g 60o	20.462
0.00	1140 GIP	0.000

Total Length: 1710.00 ft Total Volume: 21.446 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8652 Pressure
8652 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(2)
Shut-In(1)
Open To Flow(2)
Open To Flow(1)
Pressure
Temperature
2250
2000
1750
1500
1250
1000
750
500
250
0
135
130
125
120
115
110
105
100
95
90
85
80
3AM
6AM
9AM
12PM
19 Tue Jul 2011
Time (Hours)

TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

4/10

JUL 2 1 201

Test Ticket

NO. 042244

Well Name & No. Pfenninger #9D Test No. 2 Date 7/19/11

Company FIML Natural Resources Elevation 2996 KB 2984 GL

Address 410 17th St Suite 900 Denver, Co 80202

Co. Rep / Geo. Josh Austin Rig H2 #1

Location: Sec. 30 Twp. 18s Rge. 31w Co. Scott State Ks

Interval Tested 4308 - 4400 Zone Tested Marmaton/Altamont

Anchor Length 92 Drill Pipe Run 4016 Mud Wt. 9.2

Top Packer Depth 4303 Drill Collars Run 279 Vis 56

Bottom Packer Depth 4308 Wt. Pipe Run 0 WL 8.4

Total Depth 4400 Chlorides 4100 ppm System LCM 2#

Blow Description IF BOB 1½ minutes

ISI BOB 15 minutes

FF BOB 1 minute

FSI BOB 45 minutes

Rec 1510	Feet of GO	40 %gas	60 %oil	%water	%mud	
Rec 200	Feet of GMCO	20 %gas	50 %oil	%water	30 %mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	

Rec Total 1710 BHT 135 Gravity 137 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic	2185	☒ Test	1225	T-On Location	0200
(B) First Initial Flow	129	[redacted]		T-Started	0250
(C) First Final Flow	392	☐ Safety Joint		T-Open	0521
(D) Initial Shut-In	878	☒ Circ Sub	NC	T-Pulled	0906
(E) Second Initial Flow	406	☐ Hourly Standby		T-Out	1205
(F) Second Final Flow	610	☒ Mileage	22 RT 30.80	Comments	
(G) Final Shut-In	823	☐ Sampler			
(H) Final Hydrostatic	2141	☐ Straddle		☐ Ruined Shale Packer	
		☐ Shale Packer		☐ Ruined Packer	
Initial Open	30	☐ Extra Packer		☐ Extra Copies	
Initial Shut-In	45	☐ Extra Recorder		Sub Total	150
Final Flow	60	☐ Day Standby		Total	1405.80
Final Shut-In	90	☒ Accessibility	150	MP/D&T Disc't	
		Sub Total	1255.80		

Approved By [signature] Our Representative [signature]

Trilobite Testing Inc. shall not be liable for damaged of 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.

DRILL STEM TEST REPORT

Prepared For: **FIML Natural Resources, LLC**

410 17th St. Suite 900
Denver, CO 80202

ATTN: Josh Austin / Gary Do

30 18s 31w Scott, KS

Pfenninger #9D

Start Date: 2011.07.20 @ 06:05:00

End Date: 2011.07.20 @ 13:42:45

Job Ticket #: 43227 DST #: 3

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

FIML Natural Resources, LLC
410 17th St. Suite 900
Denver, CO 80202

ATTN: Josh Austin / Gary Do0

Pfenninger #9D

30 18s 31w Scott, KS

Job Ticket: 43227 **DST#: 3**

Test Start: 2011.07.20 @ 06:05:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:13:45
Time Test Ended: 13:42:45

Interval: 4608.00 ft (KB) To 4623.00 ft (KB) (TVD)
Total Depth: 4623.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

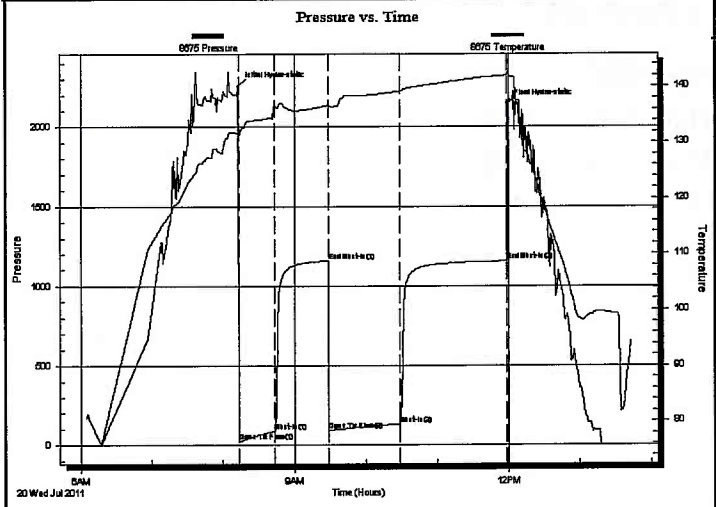
Test Type: Conventional Bottom Hole
Tester: Jace McKinney
Unit No: 28

Reference Elevations: 2996.00 ft (KB)
2984.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8675 **Inside**

Press@RunDepth:	132.85 psig @	4609.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2011.07.20	End Date:	2011.07.20	Last Calib.:	2011.07.20
Start Time:	06:05:01	End Time:	13:42:45	Time On Btm:	2011.07.20 @ 08:13:00
				Time Off Btm:	2011.07.20 @ 11:58:45

TEST COMMENT: Built to 6" Blow
No Return Blow
Built to 8 1/2 Blow
Weak Return Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2255.12	131.59	Initial Hydro-static
1	24.15	131.11	Open To Flow (1)
31	88.37	136.83	Shut-In(1)
76	1157.40	136.57	End Shut-In(1)
76	92.73	136.39	Open To Flow (2)
136	132.85	139.12	Shut-In(2)
226	1155.26	141.94	End Shut-In(2)
226	2143.48	142.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	ocw m 5%O 35%W 60%M	0.44
90.00	gcmo 10%G 30%M 60%O	0.44
103.00	O 100%O	1.44

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

TRILOBITE TESTING, INC

FIML Natural Resources, LLC
410 17th St. Suite 900
Denver, CO 80202

ATTN: Josh Austin / Gary Do0

Pfenninger #9D

30 18s 31w Scott, KS

Job Ticket: 43227 **DST#: 3**

Test Start: 2011.07.20 @ 06:05:00

Tool Information

Drill Pipe:	Length:	4420.65 ft	Diameter:	3.80 inches	Volume:	62.01 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:		20000.00 lb
Drill Collar:	Length:	180.00 ft	Diameter:	2.25 inches	Volume:	0.89 bbl	Weight to Pull Loose:		80000.00 lb
					Total Volume:	62.90 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		12.65 ft					String Weight:	Initial	70000.00 lb
Depth to Top Packer:		4608.00 ft						Final	74000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		15.00 ft							
Tool Length:		35.00 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			4589.00		
Shut In Tool	5.00			4594.00		
Hydraulic tool	5.00			4599.00		
Packer	5.00			4604.00	20.00	Bottom Of Top Packer
Packer	4.00			4608.00		
Stubb	1.00			4609.00		
Recorder	0.00	8675	Inside	4609.00		
Recorder	0.00	8371	Outside	4609.00		
Perforations	11.00			4620.00		
Change Over Sub	0.00			4620.00		
Drill Pipe	0.00			4620.00		
Change Over Sub	0.00			4620.00		
Bullnose	3.00			4623.00	15.00	Bottom Packers & Anchor
Total Tool Length:	**35.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

FIML Natural Resources, LLC

410 17th St. Suite 900
Denver, CO 80202

ATTN: Josh Austin / Gary Do0

Pfenninger #9D

30 18s 31w Scott, KS

Job Ticket: 43227 **DST#: 3**

Test Start: 2011.07.20 @ 06:05:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	35 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	25000 ppm
Viscosity:	56.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.18 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1200.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

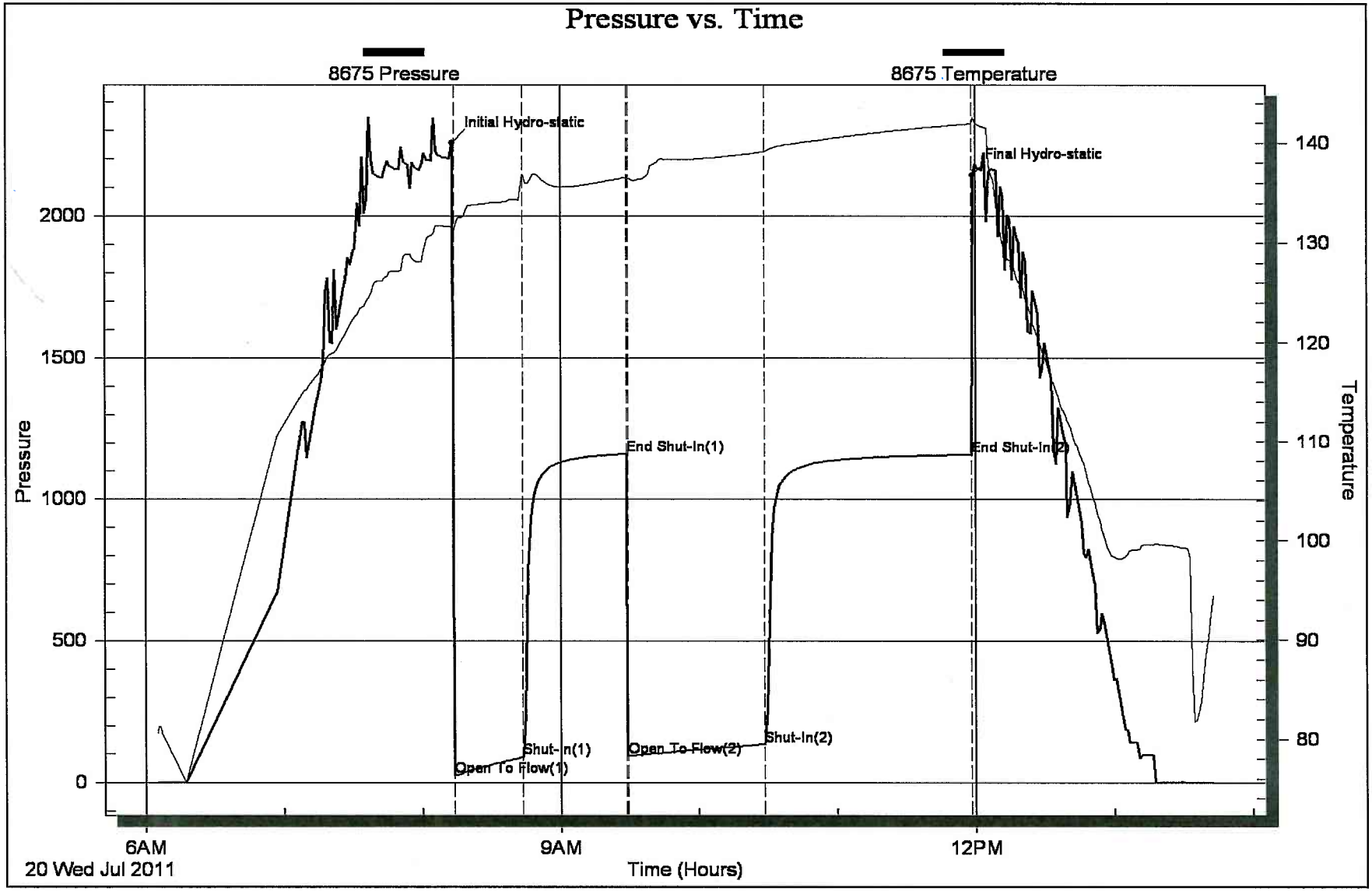
Length ft	Description	Volume bbl
90.00	ocw m 5%O 35%W 60%M	0.443
90.00	gcmo 10%G 30%M 60%O	0.443
103.00	O 100%O	1.445

Total Length: 283.00 ft Total Volume: 2.331 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: API: 31 @ 100 F= 35 RW: .20 @ 108 F= 25,000


Pressure vs. Time
8675 Pressure
8675 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Open To Flow(1)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
2000
1500
1000
500
0
140
130
120
110
100
90
80
6AM
9AM
12PM
20 Wed Jul 2011
Time (Hours)

TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

4/10

JUL 2 8 20

Test Ticket

NO. 43227

Well Name & No. Pfenninger 9-D Test No. 3 Date 7/20/11

Company FIML Natural Resources LLC. Elevation 2994 KB 2984 GL

Address 410 17th ST Ste 900 Denver CO. 80202-4420

Co. Rep / Geo. Josh Austin Rig H2 Rig 1

Location: Sec. 30 Twp. 18 Rge. 31 Co. Scott State KS

Interval Tested 4608-4623 Zone Tested Mississippi

Anchor Length 15 Drill Pipe Run 4420 Mud Wt. 9.3

Top Packer Depth 4604 Drill Collars Run 180 Vis 56

Bottom Packer Depth 4608 Wt. Pipe Run 0 WL 7.2

Total Depth 4623 Chlorides 1,200 ppm System LCM 3

Blow Description Built to 6" Blow
No Return Blow
Built to 8½" Blow
Weak Surface Return Blow

Rec 108	Feet of Oil	%gas	100	%oil		%water		%mud
Rec 90	Feet of GCMO	10	%gas	60	%oil	%water	30	%mud
Rec 90	Feet of OCWM	%gas	5	%oil	35	%water	60	%mud
Rec	Feet of	%gas		%oil		%water		%mud
Rec	Feet of	%gas		%oil		%water		%mud

Rec Total 283 BHT 142 Gravity 35 API RW .20 @ 108 °F Chlorides 25,000 ppm

(A) Initial Hydrostatic	2,255	☑ Test	1225	T-On Location	5:30
(B) First Initial Flow	24	☐ Jars		T-Started	6:05
(C) First Final Flow	88	☐ Safety Joint		T-Open	8:14
(D) Initial Shut-In	1,157	☑ Circ Sub	N/C	T-Pulled	11:59
(E) Second Initial Flow	93	☐ Hourly Standby		T-Out	13:43
(F) Second Final Flow	133	☑ Mileage	22RT 30.80	Comments	
(G) Final Shut-In	1,155	☐ Sampler			
(H) Final Hydrostatic	2,143	☐ Straddle		☐ Ruined Shale Packer	
		☐ Shale Packer		☑ Ruined Packer	260
Initial Open	30	☐ Extra Packer		☐ Extra Copies	
Initial Shut-In	45	☐ Extra Recorder		Sub Total	260
Final Flow	60	☐ Day Standby		Total	1665.80
Final Shut-In	90	☑ Accessibility	150	MP/DST Disc't	
		Sub Total	1405.80 1225.80		

Approved By [signature] Our Representative [signature]

Trilobite Testing Inc. shall not be liable for damages of 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.