



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **FIML Natural Resources**

410 17th St
STE. 900
Denver, CO 80202

ATTN: Gary Doke/Josh Austin

30-18s-31w Scott,KS

McKean Trust #1C

Start Date: 2011.07.30 @ 00:36:00

End Date: 2011.07.30 @ 07:07:30

Job Ticket #: 43399 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

ORIGINAL

Printed: 2011.08.04 @ 11:08:06 Page 1

FIML Natural Resources

McKean Trust #1C

30-18s-31w Scott,KS

DST # 1

Pleasanton

2011.07.30



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FIML Natural Resources

410 17th St
STE 900
Denver, CO 80202
ATTN: Gary Doke/Josh Austin

McKean Trust #1C

30-18s-31w Scott, KS

Job Ticket: 43399

DST#: 1

Test Start: 2011.07.30 @ 00:36:00

GENERAL INFORMATION:

Formation: **Pleasanton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:07:30
Time Test Ended: 07:07:30

Test Type: Conventional Bottom Hole
Tester: Chuck Smith
Unit No: 37

Interval: **4317.00 ft (KB) To 4345.00 ft (KB) (TVD)**
Total Depth: 4345.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2995.00 ft (KB)
2983.00 ft (CF)
KB to GR/CF: 12.00 ft

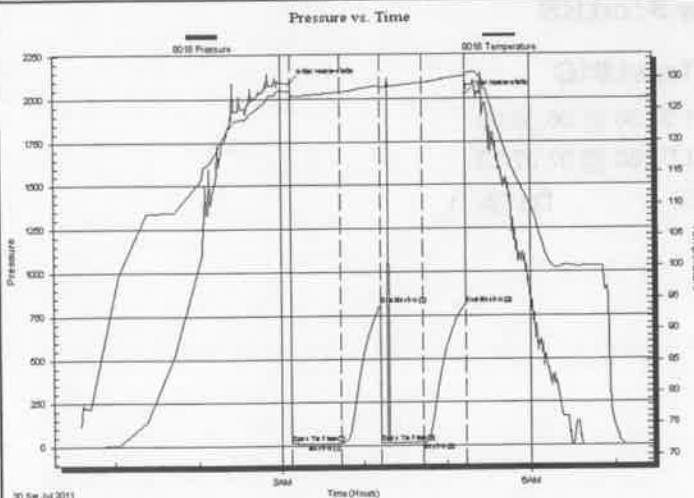
Serial #: 8018

Inside

Press@RunDepth: 17.28 psig @ 4322.00 ft (KB)
Start Date: 2011.07.30 End Date: 2011.07.30
Start Time: 00:36:02 End Time: 07:07:30

Capacity: 8000.00 psig
Last Calib.: 2011.07.30
Time On Btm: 2011.07.30 @ 03:07:20
Time Off Btm: 2011.07.30 @ 05:13:40

TEST COMMENT: IF: Surface Blow Died in 5 min
ISI-No Return
FF- No Blow , Flush Tool 5 min No Blow
FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2096.74	127.92	Initial Hydro-static
1	15.68	126.67	Open To Flow (1)
36	14.40	127.83	Shut-In(1)
65	810.44	128.85	End Shut-In(1)
65	15.78	128.26	Open To Flow (2)
96	17.28	129.30	Shut-In(2)
126	812.63	130.28	End Shut-In(2)
127	2022.83	130.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OSM 100m	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

FIML Natural Resources

McKean Trust #1C

410 17th St
STE 900
Denver, CO 80202

30-18s-31w Scott, KS

Job Ticket: 43399

DST#: 1

ATTN: Gary Doke/Josh Austin0

Test Start: 2011.07.30 @ 00:36:00

Tool Information

Drill Pipe:	Length: 4049.00 ft	Diameter: 3.80 inches	Volume: 56.80 bbl	Tool Weight:	2000.00 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: 280.00 ft	Diameter: 2.25 inches	Volume: 1.38 bbl	Weight to Pull Loose:	70000.00 lb
			Total Volume: 58.18 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial	55000.00 lb
Depth to Top Packer:	4317.00 ft			Final	55000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	28.00 ft				
Tool Length:	48.00 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			4298.00	
Shut In Tool	5.00			4303.00	
Hydraulic tool	5.00			4308.00	
Packer	5.00			4313.00	20.00 Bottom Of Top Packer
Packer	4.00			4317.00	
Stubb	1.00			4318.00	
Perforations	4.00			4322.00	
Recorder	0.00	8018	Inside	4322.00	
Recorder	0.00	6751	Outside	4322.00	
Perforations	20.00			4342.00	
Bullnose	3.00			4345.00	28.00 Bottom Packers & Anchor

Total Tool Length: 48.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

FIML Natural Resources

McKean Trust #1C

410 17th St

STE 900

Denver, CO 80202

ATTN: Gary Doke/Josh Austin0

30-18s-31w Scott, KS

Job Ticket: 43399

DST#: 1

Test Start: 2011.07.30 @ 00:36:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 6.39 in³

Resistivity: ohm.m

Salinity: 900.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OSM 100m	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

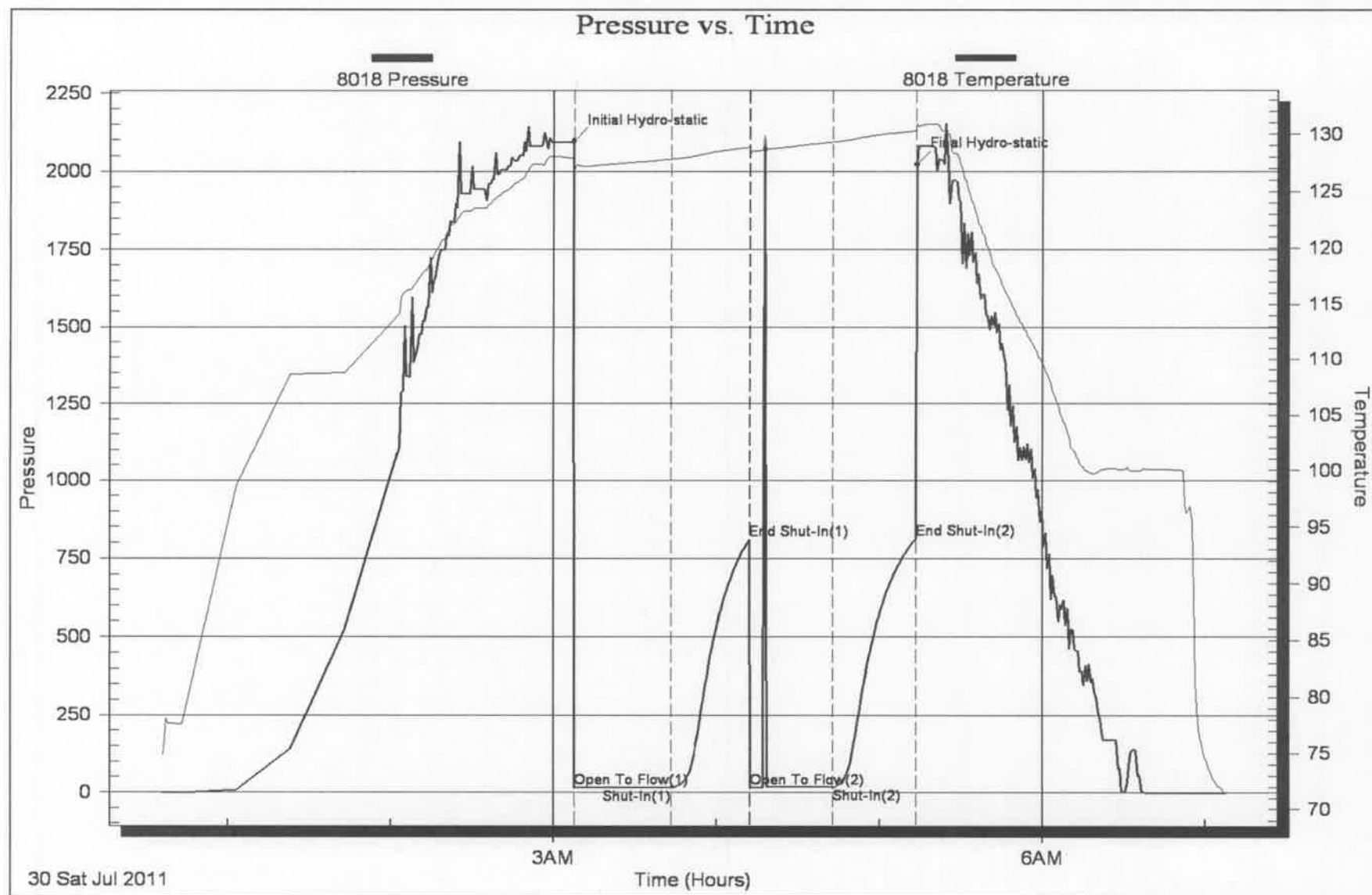
Num Gas Bombs: 0

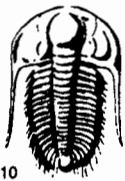
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING INC.**

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 43399 16109

AUG 02 2011

Well Name & No. McKean Trust 1C Test No. 1 Date 7-29-11
Company FIML Natural Res, LLC Elevation 2983 2995 KB 2995 2983 GL
Address 410 17th st STE 900 Denver CO 80202
Co. Rep / Geo. Gary Duke / Josh Austin Rig H2#1
Location: Sec. 30 Twp. 18s Rge. 31w Co. Scott State KS

Interval Tested 4317 - 4345 Zone Tested Pleasanton
Anchor Length 28 Drill Pipe Run 4049 Mud Wt. 9.2
Top Packer Depth 4313 Drill Collars Run 280 Vis 50
Bottom Packer Depth 4317 Wt. Pipe Run 0 WL 6.4
Total Depth 4345 Chlorides 900 ppm System LCM ~~9.2~~ 5

Blow Description IF - Surface Blow Died in 5min

ISI - No Return

FF - No Blow, Flush Tool 5min No Blow

FSI - No Return

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>5'</u>	Feet of <u>OSM</u>	%gas	%oil	%water <u>100</u>	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 130 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2097
(B) First Initial Flow 16
(C) First Final Flow 14
(D) Initial Shut-In 810
(E) Second Initial Flow 16
(F) Second Final Flow 17
(G) Final Shut-In 813
(H) Final Hydrostatic 2023

☒ Test 1225'
☐ Jars
☐ Safety Joint
☒ Circ Sub 50
☐ Hourly Standby
☒ Mileage 16 RT 22.40
☐ Sampler
☐ Straddle
☐ Shale Packer
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☒ Accessibility 100
Sub Total 1297.40 1447.40

T-On Location 23:30
T-Started 00:36
T-Open 3:08
T-Pulled 5:13
T-Out 7:08
Comments
☐ Ruined Shale Packer
☒ Ruined Packer 260
☐ Extra Copies
Sub Total 260
Total 1707.40
MP/DST Disc't

Initial Open 30
Initial Shut-In 30
Final Flow 30
Final Shut-In 30

Approved By [Signature]

Our Representative Chuck Smith

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.

Trainer: Wm Mark



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **FIML Natural Resources**

410 17th St
STE. 900
Denver, CO 80202

ATTN: Gary Doke/Josh Austin

30-18s-31w Scott,KS

McKean Trust #1C

Start Date: 2011.07.30 @ 14:44:00

End Date: 2011.07.30 @ 23:07:39

Job Ticket #: 43400 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

FIML Natural Resources

410 17th St
STE 900
Denver, CO 80202
ATTN: Gary Doke/Josh Austin0

McKean Trust #1C

30-18s-31w Scott,KS

Job Ticket: 43400 DST#: 2

Test Start: 2011.07.30 @ 14:44:00

GENERAL INFORMATION:

Formation: **Marmaton A-C**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:53:20
Time Test Ended: 23:07:39

Test Type: Conventional Bottom Hole
Tester: Chuck Smith
Unit No: 37

Interval: **4356.00 ft (KB) To 4410.00 ft (KB) (TVD)**
Total Depth: **4410.00 ft (KB) (TVD)**
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2995.00 ft (KB)
2983.00 ft (CF)
KB to GR/CF: 12.00 ft

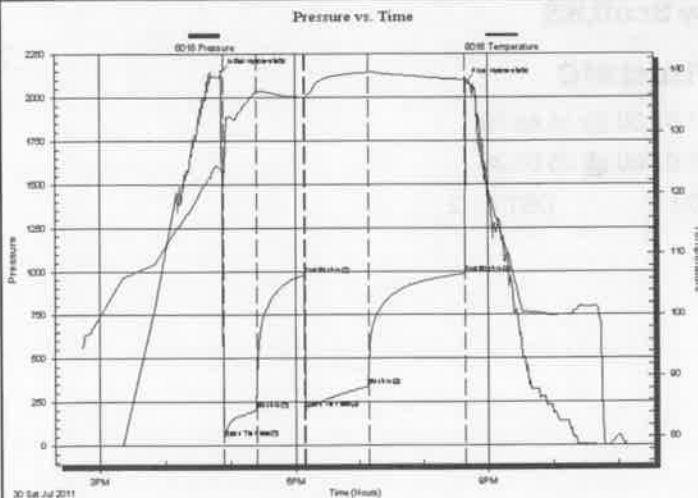
Serial #: 8018

Inside

Press@RunDepth: 339.91 psig @ 4359.00 ft (KB)
Start Date: 2011.07.30 End Date: 2011.07.30
Start Time: 14:44:02 End Time: 23:07:40

Capacity: 8000.00 psig
Last Calib.: 2011.07.30
Time On Btm: 2011.07.30 @ 16:52:20
Time Off Btm: 2011.07.30 @ 20:39:39

TEST COMMENT: IF-BOB in 12 min
IS- No Return
FF-BOB in 18 min
FSI-Weak Surface Blow Died in 7min



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2144.34	123.97	Initial Hydro-static
1	44.18	122.96	Open To Flow (1)
32	205.44	136.59	Shut-In(1)
76	979.61	135.65	End Shut-In(1)
77	210.95	135.33	Open To Flow (2)
137	339.91	139.72	Shut-In(2)
227	985.96	138.55	End Shut-In(2)
228	2082.73	138.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
279.00	GOSMW 5g 10m 85w	1.37
95.00	GOSMW 20g 10m 85w	1.32
375.00	GOCWM 5g 5o 45m 45w	5.26
0.00	10 feet GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

FIML Natural Resources

McKean Trust #1C

410 17th St
STE 900
Denver, CO 80202
ATTN: Gary Doke/Josh Austin0

30-18s-31w Scott, KS

Job Ticket: 43400

DST#: 2

Test Start: 2011.07.30 @ 14:44:00

Tool Information

Drill Pipe:	Length: 4083.00 ft	Diameter: 3.80 inches	Volume: 57.27 bbl	Tool Weight: 2000.00 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: 280.00 ft	Diameter: 2.25 inches	Volume: 1.38 bbl	Weight to Pull Loose: 68000.00 lb
			Total Volume: 58.65 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4356.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.00 ft			
Tool Length:	74.00 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			4337.00	
Shut In Tool	5.00			4342.00	
Hydraulic tool	5.00			4347.00	
Packer	5.00			4352.00	20.00 Bottom Of Top Packer
Packer	4.00			4356.00	
Stubb	1.00			4357.00	
Perforations	2.00			4359.00	
Recorder	0.00	8018	Inside	4359.00	
Recorder	0.00	6751	Outside	4359.00	
Perforations	15.00			4374.00	
Change Over Sub	1.00			4375.00	
Drill Pipe	31.00			4406.00	
Change Over Sub	1.00			4407.00	
Bullnose	3.00			4410.00	54.00 Bottom Packers & Anchor

Total Tool Length: 74.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

FIML Natural Resources

McKean Trust #1C

410 17th St

30-18s-31w Scott,KS

STE 900

Job Ticket: 43400

DST#: 2

Denver, CO 80202

ATTN: Gary Doke/Josh Austin0

Test Start: 2011.07.30 @ 14:44:00

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:

48000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
279.00	GOSMV 5g 10m 85w	1.372
95.00	GOSMV 20g 10m 85w	1.323
375.00	GOCVM 5g 5o 45m 45w	5.260
0.00	10 feet GIP	0.000

Total Length: 749.00 ft

Total Volume: 7.955 bbl

Num Fluid Samples: 0

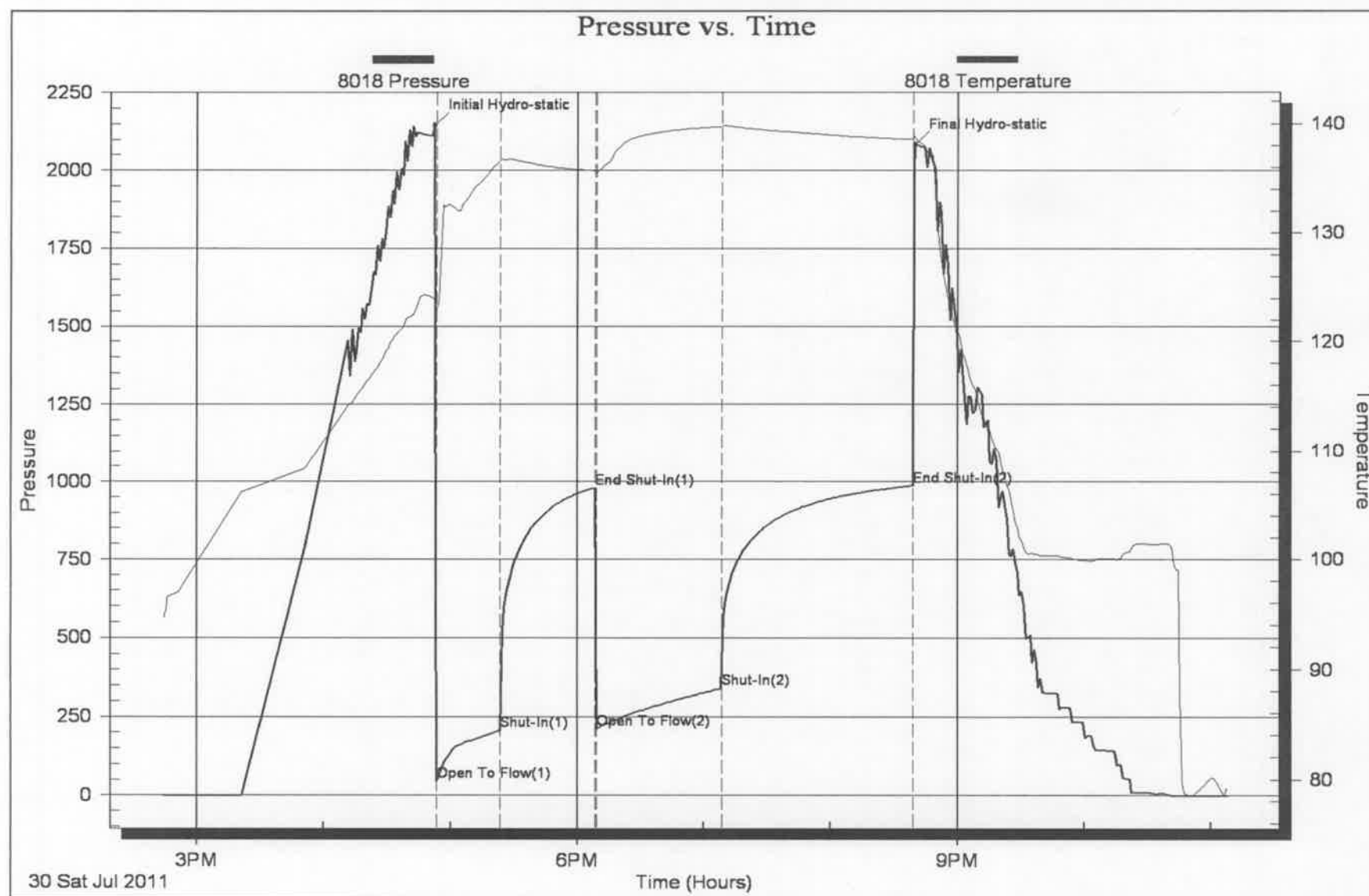
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW.141 @76 deg





**TRILOBITE
TESTING INC.**

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 43400

AUG 02 2011

Well Name & No. McKean Trust / C Test No. 2 Date 7-30-11
 Company FINL Natural Resources, LLC Elevation 2995 KB 2983 GL
 Address 410 17th St. Ste. 900 Denver, CO 80202
 Co. Rep / Geo. Gary Duke / Josh Austin Rig H2 #1
 Location: Sec. 30 Twp. 18s Rge. 31w Co. Scott State KS

Interval Tested 4356-4410 Zone Tested Marmaton A-C
 Anchor Length 54 Drill Pipe Run 4083 Mud Wt. 9.2
 Top Packer Depth 4352 Drill Collars Run 280 Vis 49
 Bottom Packer Depth 4356 Wt. Pipe Run 0 WL 7.2
 Total Depth 4410 Chlorides 1200 ppm System LCM 4

Blow Description B.O.B. @ 12 min.
No return.
B.O.B. @ 18 min.
Surface return died @ 7 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>325</u>	<u>GOCWM</u>	<u>5</u>	<u>5</u>	<u>45</u>	<u>45</u>
<u>95</u>	<u>GOSMW</u>	<u>20</u>	<u>%oil</u>	<u>60</u>	<u>20</u>
<u>279</u>	<u>GOSMW</u>	<u>5</u>	<u>%oil</u>	<u>85</u>	<u>10</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 749 BHT 139 Gravity — API RW .141 @ 76 °F Chlorides 48,000 ppm

(A) Initial Hydrostatic <u>2144</u>	☒ Test <u>1225'</u>	T-On Location <u>14:15</u>
(B) First Initial Flow <u>44</u>	☐ Jars	T-Started <u>14:44</u>
(C) First Final Flow <u>205</u>	☐ Safety Joint	T-Open <u>16:53</u>
(D) Initial Shut-In <u>980</u>	☒ Circ Sub <u>N/C</u>	T-Pulled <u>20:39</u>
(E) Second Initial Flow <u>211</u>	☐ Hourly Standby	T-Out <u>23:08</u>
(F) Second Final Flow <u>340</u>	☒ Mileage <u>16 RT 22.40</u>	Comments
(G) Final Shut-In <u>986</u>	☐ Sampler	
(H) Final Hydrostatic <u>2083</u>	☐ Straddle	

Initial Open <u>30</u>	☐ Shale Packer	☐ Ruined Shale Packer
Initial Shut-In <u>45</u>	☐ Extra Packer	☐ Ruined Packer
Final Flow <u>60</u>	☐ Extra Recorder	☐ Extra Copies
Final Shut-In <u>90</u>	☐ Day Standby	Sub Total <u>0</u>
	☒ Accessibility <u>1505</u>	Total <u>1397.40</u>
	Sub Total <u>1247.40</u> <u>1397.40</u>	MP/DST Disc't

Approved By W. Gary Duke Our Representative Chuck Smith

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.

Trained: W. Gary Duke



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **FIML Natural Resources**

410 17th St
STE. 900
Denver, CO 80202

ATTN: Gary Doke/Josh Austin

30-18s-31w Scott,KS

McKean Trust #1C

Start Date: 2011.07.31 @ 15:20:00

End Date: 2011.07.31 @ 23:13:20

Job Ticket #: 43652 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FIML Natural Resources

410 17th St
STE 900
Denver, CO 80202
ATTN: Gary Doke/Josh Austin0

McKean Trust #1C

30-18s-31w Scott,KS

Job Ticket: 43652 **DST#: 3**

Test Start: 2011.07.31 @ 15:20:00

GENERAL INFORMATION:

Formation: **Miss/Spergen**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:44:20

Time Test Ended: 23:13:20

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: **4620.00 ft (KB) To 4635.00 ft (KB) (TVD)**

Total Depth: 4635.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2995.00 ft (KB)

2983.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8018

Inside

Press@RunDepth: 98.16 psig @ 4622.00 ft (KB)

Start Date: 2011.07.31

End Date: 2011.07.31

Start Time: 15:20:02

End Time: 23:13:19

Capacity: 8000.00 psig

Last Calib.: 2011.07.31

Time On Btm: 2011.07.31 @ 17:43:40

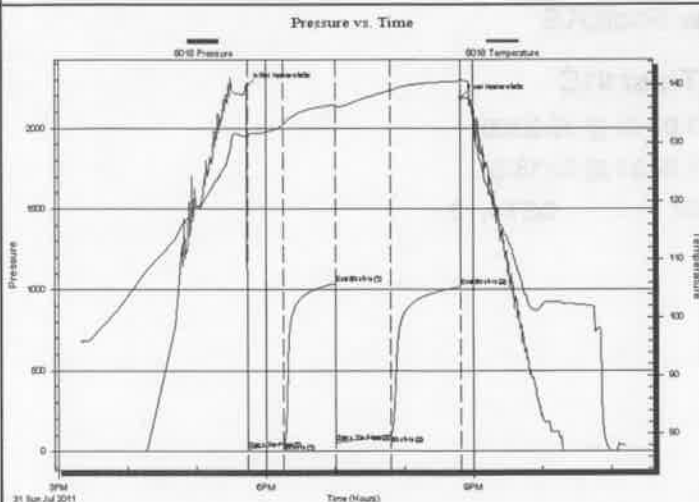
Time Off Btm: 2011.07.31 @ 20:48:50

TEST COMMENT: IF-1.75 in Blow

ISI-No Return

FF- 1 in Blow

FSI-No Return



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2256.63	131.16	Initial Hydro-static
1	13.46	130.67	Open To Flow (1)
32	49.36	133.20	Shut-In(1)
78	1039.89	136.53	End Shut-In(1)
78	53.63	135.97	Open To Flow (2)
125	98.16	138.97	Shut-In(2)
185	1018.05	140.57	End Shut-In(2)
186	2185.02	141.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
93.00	OSMW 30m 70w	0.46
93.00	OCMW 2o 48m 50w	0.46
20.00	GO 20g 80o	0.10

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

FIML Natural Resources

McKean Trust #1C

410 17th St
STE 900
Denver, CO 80202

30-18s-31w Scott, KS

Job Ticket: 43652

DST#: 3

ATTN: Gary Doke/Josh Austin0

Test Start: 2011.07.31 @ 15:20:00

Tool Information

Drill Pipe:	Length: 4335.00 ft	Diameter: 3.80 inches	Volume: 60.81 bbl	Tool Weight:	2000.00 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: 280.00 ft	Diameter: 2.25 inches	Volume: 1.38 bbl	Weight to Pull Loose:	75000.00 lb
			Total Volume: 62.19 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4620.00 ft			Final	61000.00 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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4601.00	
Shut In Tool	5.00			4606.00	
Hydraulic tool	5.00			4611.00	
Packer	5.00			4616.00	20.00 Bottom Of Top Packer
Packer	4.00			4620.00	
Stubb	1.00			4621.00	
Perforations	1.00			4622.00	
Recorder	0.00	8018	Inside	4622.00	
Recorder	0.00	6751	Outside	4622.00	
Perforations	10.00			4632.00	
Bullnose	3.00			4635.00	15.00 Bottom Packers & Anchor

Total Tool Length: 35.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

FIML Natural Resources

McKean Trust #1C

410 17th St

30-18s-31w Scott, KS

STE 900

Job Ticket: 43652

DST#: 3

Denver, CO 80202

ATTN: Gary Doke/Josh Austin

Test Start: 2011.07.31 @ 15:20:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API: 27 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity: 22000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
93.00	OSMW 30m 70w	0.457
93.00	OCMW 2o 48m 50w	0.457
20.00	GO 20g 80o	0.098

Total Length: 206.00 ft

Total Volume: 1.012 bbl

Num Fluid Samples: 0

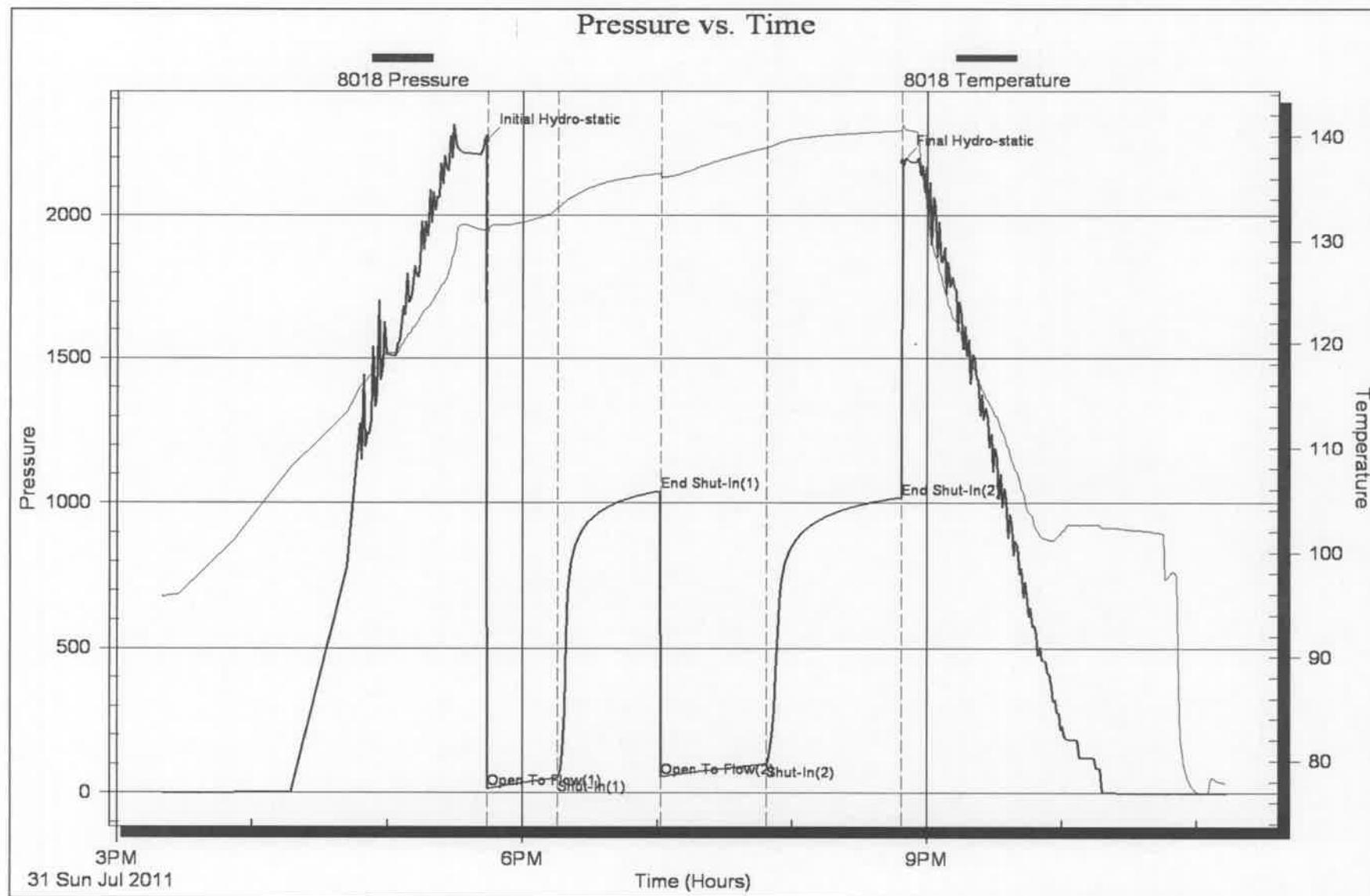
Num Gas Bombs: 0

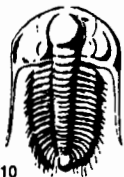
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 29 @ 80 RV: .268 @ 75 deg





**TRILOBITE
TESTING INC.**

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 43652

AUG 02 2011

Well Name & No. McKean Test No. #3 Date 7-31-11
 Company FIML Elevation _____ KB _____ GL _____
 Address 410 17th STE 900 Denver CO 80202
 Co. Rep / Geo. Gary Duke / Josh Austin Rig _____
 Location: Sec. 30 Twp. 18s Rge. 31w Co. Scott State KS

Interval Tested 4620 - 4635 Zone Tested Miss / Spergen
 Anchor Length 15 Drill Pipe Run 4335 Mud Wt. 9.2
 Top Packer Depth 4616 Drill Collars Run 280 Vis 55
 Bottom Packer Depth 4620 Wt. Pipe Run 0 WL 6.4
 Total Depth 4635 Chlorides 1000 ppm System LCM 4

Blow Description 134 blow in 30min

No Return
line IN 45 min
No Return

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>93</u>	Feet of <u>OSMW</u>	%gas	%oil <u>70</u>	%water <u>30</u>	%mud
Rec <u>93</u>	Feet of <u>OCMW</u>	%gas <u>2</u>	%oil <u>50</u>	%water <u>48</u>	%mud
Rec <u>20</u>	Feet of <u>GO</u>	<u>20</u> %gas <u>80</u>	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud

Rec Total 206 BHT 141 Gravity 27 API RW 268 @ 75 °F Chlorides _____ ppm
 (A) Initial Hydrostatic 2257 ☒ Test 1225 T-On Location 3:15 pm
 (B) First Initial Flow 13 ☐ Jars _____ T-Started 3:20 pm
 (C) First Final Flow 49 ☐ Safety Joint _____ T-Open 5:44 pm
 (D) Initial Shut-In 1040 ☒ Circ Sub NIC T-Pulled 8:48 pm
 (E) Second Initial Flow 54 ☐ Hourly Standby _____ T-Out 23:13
 (F) Second Final Flow 99 ☐ Mileage 16 RT 22.40 Comments _____
 (G) Final Shut-In 1018 ☐ Sampler _____
 (H) Final Hydrostatic 2185 ☐ Straddle _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60

☐ Ruined Shale Packer
☐ Ruined Packer
☐ Extra Copies
 Sub Total 8
 Total 1397.40
 MP/DST Disc't _____
☒ Accessibility 150
 Sub Total 1247.40 1397.40

Approved By [Signature]

Our Representative Chuck Smith

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.

Trainee: [Signature]