



DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Co.**

10500 E Berkeley Sq Pkwy
Ste 100
Wichita, KS 67206

ATTN: Kitt Noah

Nelson Trust #21-1

21 17s 34w Scott,KS

Start Date: 2014.03.24 @ 14:00:00

End Date: 2014.03.24 @ 23:04:15

Job Ticket #: 56398 DST #: 1

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

Printed: 2014.03.28 @ 11:25:53

Hartman Oil Co. 21 17s 34w Scott,KS Nelson Trust #21-1 DST # 1 Marmaton A - B 2014.03.24



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Hartman Oil Co.
 10500 E Berkeley Sq Pkw y
 Ste 100
 Wichita, KS 67206
 ATTN: Kitt Noah

21 17s 34w Scott,KS

Nelson Trust #21-1

Job Ticket: 56398 **DST#: 1**
 Test Start: 2014.03.24 @ 14:00:00

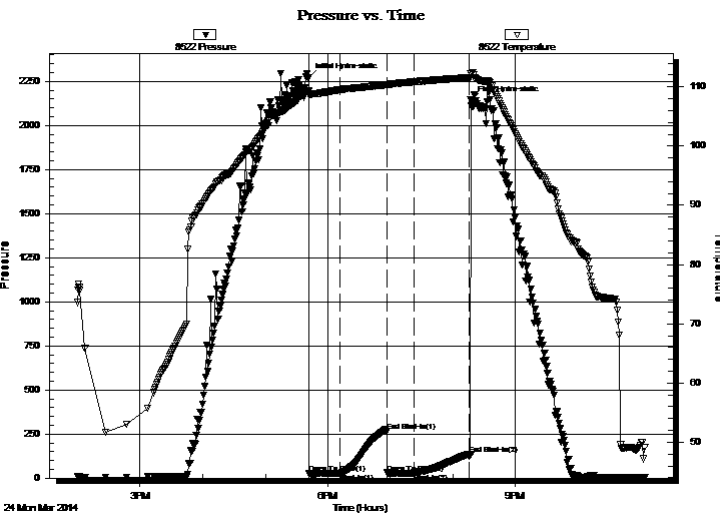
GENERAL INFORMATION:

Formation: **Marmaton A - B**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:41:45
 Time Test Ended: 23:04:15
 Interval: **4416.00 ft (KB) To 4477.00 ft (KB) (TVD)**
 Total Depth: 4477.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Bradley Walter
 Unit No: 69
 Reference Elevations: 3072.00 ft (KB)
 3060.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8522 Outside

Press@RunDepth: 29.01 psig @ 4417.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.03.24 End Date: 2014.03.24 Last Calib.: 2014.03.24
 Start Time: 14:00:05 End Time: 23:04:15 Time On Btm: 2014.03.24 @ 17:41:30
 Time Off Btm: 2014.03.24 @ 20:17:00

TEST COMMENT: IF: 1/2" blow , died @ 24 min.
 IS: No return.
 FF: No blow , Flushed tool. blow died.
 FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2271.03	109.27	Initial Hydro-static
1	24.89	108.59	Open To Flow (1)
31	27.66	109.52	Shut-In(1)
76	267.29	110.35	End Shut-In(1)
76	29.29	110.29	Open To Flow (2)
102	29.01	110.86	Shut-In(2)
154	136.25	111.57	End Shut-In(2)
156	2142.96	112.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	socm 2o 98m (oil puddle on top)	0.10

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hartman Oil Co.

21 17s 34w Scott,KS

10500 E Berkeley Sq Pkwy
Ste 100
Wichita, KS 67206
ATTN: Kitt Noah

Nelson Trust #21-1

Job Ticket: 56398

DST#: 1

Test Start: 2014.03.24 @ 14:00:00

Tool Information

Drill Pipe:	Length: 4146.00 ft	Diameter: 3.80 inches	Volume: 58.16 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: 251.00 ft	Diameter: 2.25 inches	Volume: 1.23 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 59.39 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4416.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	61.00 ft			
Tool Length:	88.00 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			4390.00	
Shut In Tool	5.00			4395.00	
Hydraulic tool	5.00			4400.00	
Jars	5.00			4405.00	
Safety Joint	2.00			4407.00	
Packer	5.00			4412.00	27.00 Bottom Of Top Packer
Packer	4.00			4416.00	
Stubb	1.00			4417.00	
Recorder	0.00	8678	Inside	4417.00	
Recorder	0.00	8522	Outside	4417.00	
Perforations	24.00			4441.00	
Change Over Sub	1.00			4442.00	
Drill Pipe	31.00			4473.00	
Change Over Sub	1.00			4474.00	
Bullnose	3.00			4477.00	61.00 Bottom Packers & Anchor

Total Tool Length: 88.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hartman Oil Co.

21 17s 34w Scott,KS

10500 E Berkeley Sq Pkwy
Ste 100
Wichita, KS 67206
ATTN: Kitt Noah

Nelson Trust #21-1

Job Ticket: 56398

DST#: 1

Test Start: 2014.03.24 @ 14:00:00

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:

0 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	socm 2o 98m (oil puddle on top)	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

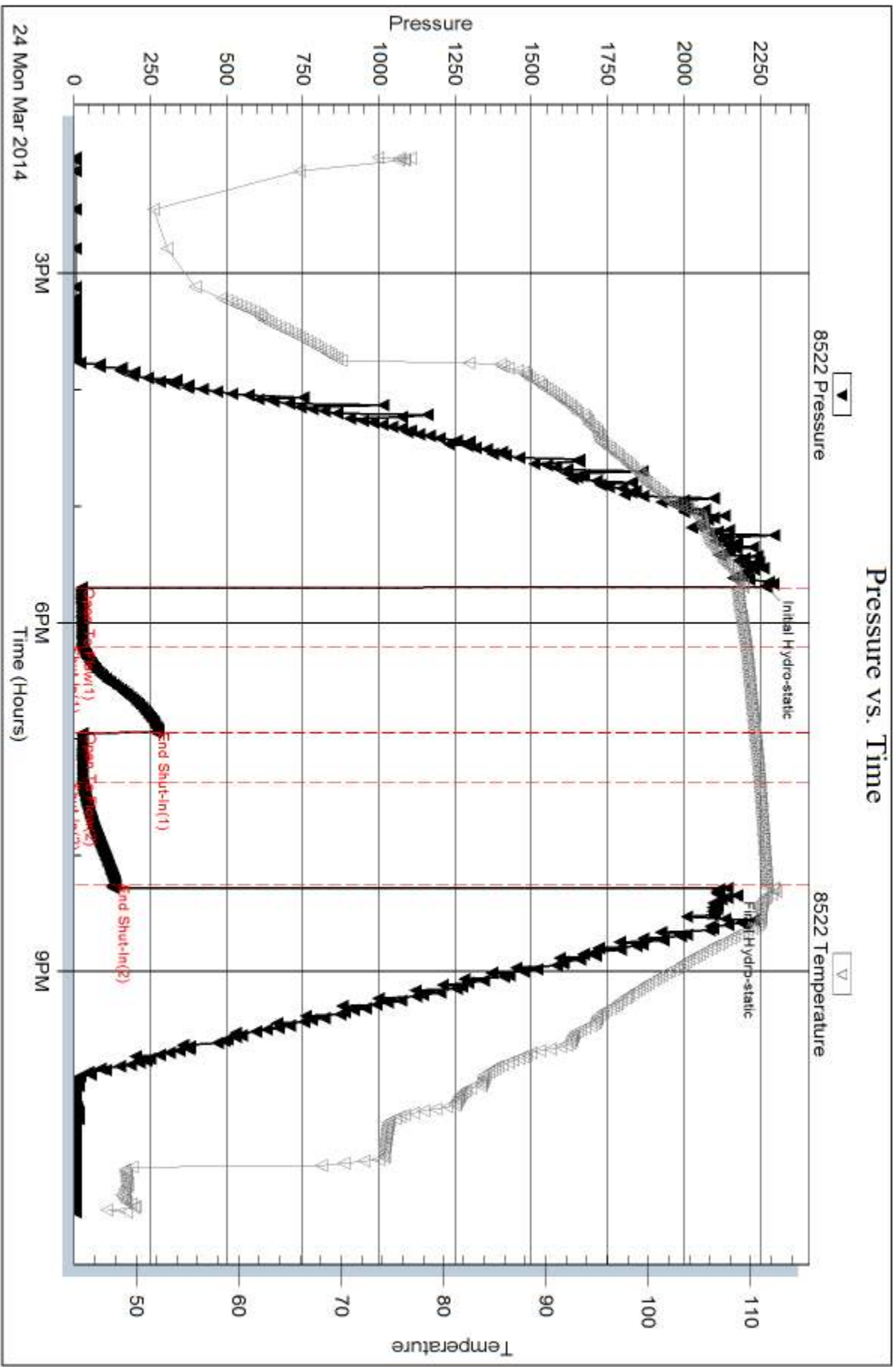
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



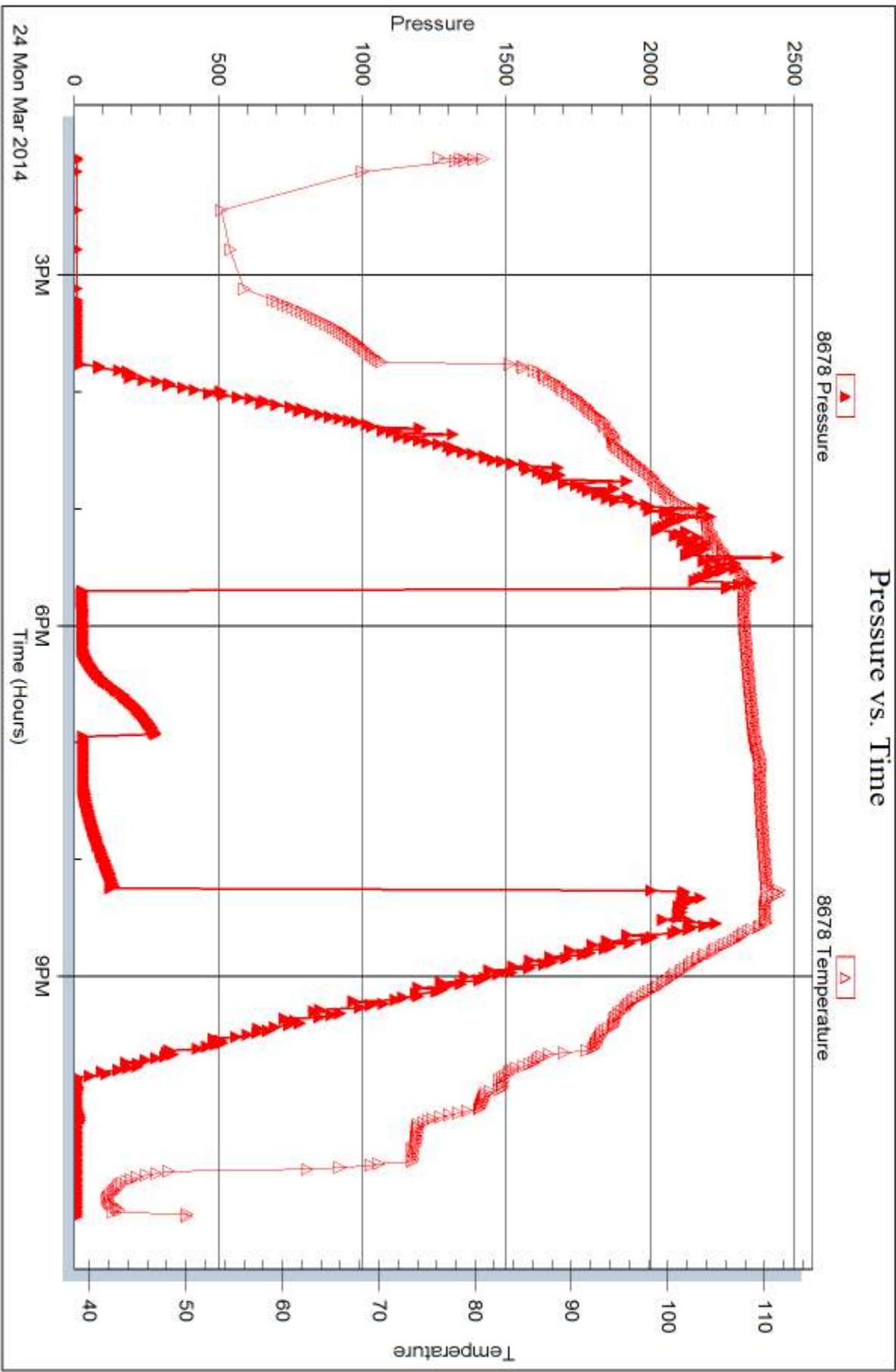
Serial #: 8678

Inside

Hartman Oil Co.

Nelson Trust #21-1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 56398

Printed: 2014.03.28 @ 11:25:55



DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Co.**

10500 E Berkeley Sq Pkwy
Ste 100
Wichita, KS 67206

ATTN: Kitt Noah

Nelson Trust #21-1

21 17s 34w Scott,KS

Start Date: 2014.03.25 @ 11:05:00

End Date: 2014.03.25 @ 19:51:45

Job Ticket #: 56399 DST #: 2

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

Printed: 2014.03.28 @ 11:25:29



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Hartman Oil Co.
 10500 E Berkeley Sq Pkw y
 Ste 100
 Wichita, KS 67206
 ATTN: Kitt Noah

21 17s 34w Scott,KS

Nelson Trust #21-1

Job Ticket: 56399

DST#: 2

Test Start: 2014.03.25 @ 11:05:00

GENERAL INFORMATION:

Formation: **Marmaton Altamont C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:43:15

Time Test Ended: 19:51:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

Interval: 4476.00 ft (KB) To 4512.00 ft (KB) (TVD)

Reference Elevations: 3072.00 ft (KB)

Total Depth: 4512.00 ft (KB) (TVD)

3060.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 8522 Outside

Press@RunDepth: 83.18 psig @ 4477.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.25

End Date: 2014.03.25

Last Calib.: 2014.03.25

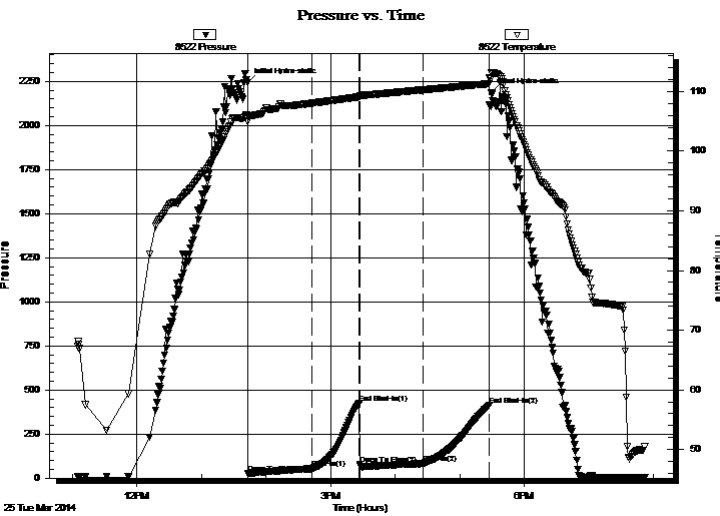
Start Time: 11:05:05

End Time: 19:51:45

Time On Btm: 2014.03.25 @ 13:43:00

Time Off Btm: 2014.03.25 @ 17:29:30

TEST COMMENT: IF: 1" blow.
 IS: No return.
 FF: 1" blow.
 FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2245.01	106.00	Initial Hydro-static
1	24.84	104.90	Open To Flow (1)
60	54.44	108.05	Shut-In(1)
104	423.26	109.09	End Shut-In(1)
105	76.73	109.17	Open To Flow (2)
163	83.18	110.27	Shut-In(2)
225	412.08	111.31	End Shut-In(2)
227	2184.11	113.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	ocm 10o 90m	0.49
40.00	oil 100o	0.20

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Hartman Oil Co.
10500 E Berkeley Sq Pkw y
Ste 100
Wichita, KS 67206
ATTN: Kitt Noah

21 17s 34w Scott,KS

Nelson Trust #21-1

Job Ticket: 56399 **DST#: 2**

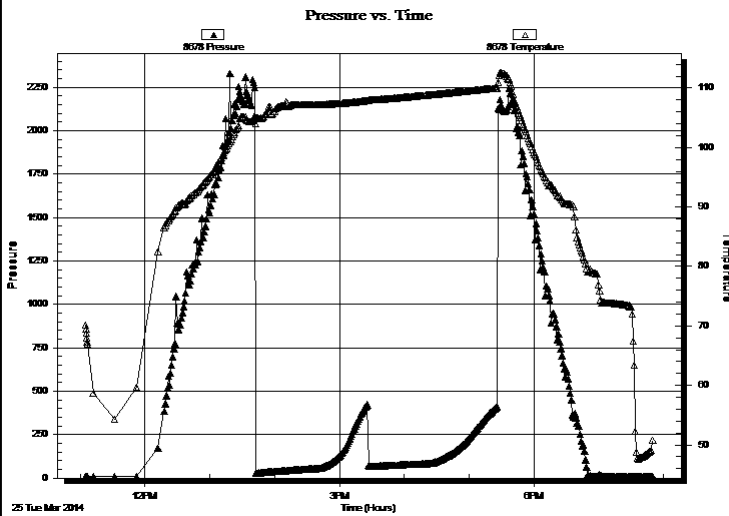
Test Start: 2014.03.25 @ 11:05:00

GENERAL INFORMATION:

Formation: **Marmaton Altamont C**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 69
 Time Tool Opened: 13:43:15
 Time Test Ended: 19:51:45
 Interval: **4476.00 ft (KB) To 4512.00 ft (KB) (TVD)**
 Reference Elevations: 3072.00 ft (KB)
 Total Depth: 4512.00 ft (KB) (TVD)
 3060.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 12.00 ft

Serial #: 8678 **Inside**
 Press@RunDepth: psig @ 4477.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.03.25 End Date: 2014.03.25 Last Calib.: 2014.03.25
 Start Time: 11:05:05 End Time: 19:50:30 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: 1" blow.
 IS: No return.
 FF: 1" blow.
 FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
100.00	ocm 10o 90m	0.49
40.00	oil 100o	0.20

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hartman Oil Co.

21 17s 34w Scott,KS

10500 E Berkeley Sq Pkwy
Ste 100
Wichita, KS 67206
ATTN: Kitt Noah

Nelson Trust #21-1

Job Ticket: 56399

DST#: 2

Test Start: 2014.03.25 @ 11:05:00

Tool Information

Drill Pipe:	Length: 4207.00 ft	Diameter: 3.80 inches	Volume: 59.01 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: 251.00 ft	Diameter: 2.25 inches	Volume: 1.23 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 60.24 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4476.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	63.00 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			4450.00	
Shut In Tool	5.00			4455.00	
Hydraulic tool	5.00			4460.00	
Jars	5.00			4465.00	
Safety Joint	2.00			4467.00	
Packer	5.00			4472.00	27.00 Bottom Of Top Packer
Packer	4.00			4476.00	
Stubb	1.00			4477.00	
Recorder	0.00	8678	Inside	4477.00	
Recorder	0.00	8522	Outside	4477.00	
Perforations	32.00			4509.00	
Bullnose	3.00			4512.00	36.00 Bottom Packers & Anchor

Total Tool Length: 63.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Hartman Oil Co.

21 17s 34w Scott,KS

10500 E Berkeley Sq Pkwy
Ste 100
Wichita, KS 67206
ATTN: Kitt Noah

Nelson Trust #21-1

Job Ticket: 56399

DST#: 2

Test Start: 2014.03.25 @ 11:05:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

23 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	ocm 10o 90m	0.492
40.00	oil 100o	0.197

Total Length: 140.00 ft Total Volume: 0.689 bbl

Num Fluid Samples: 0

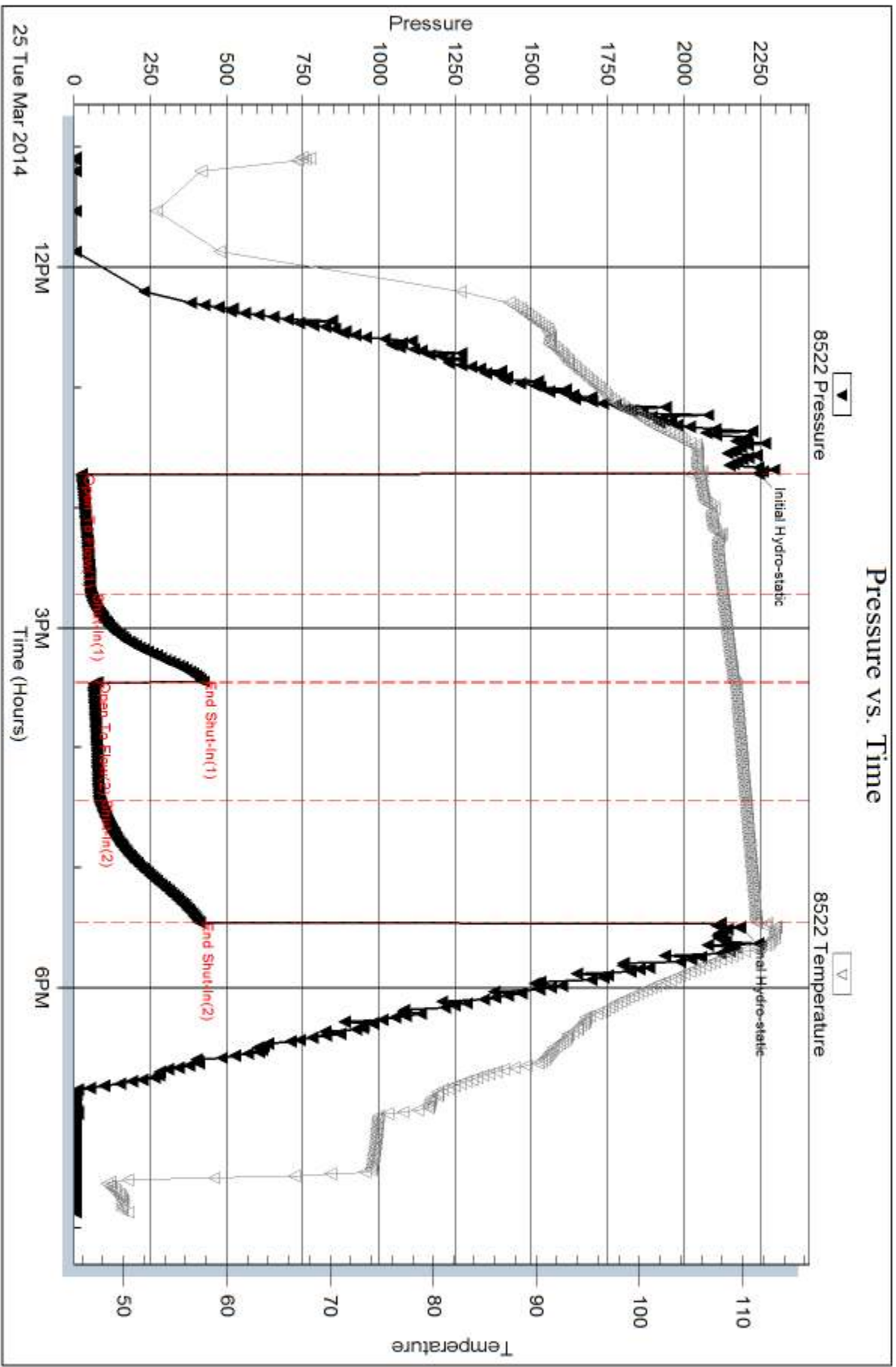
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



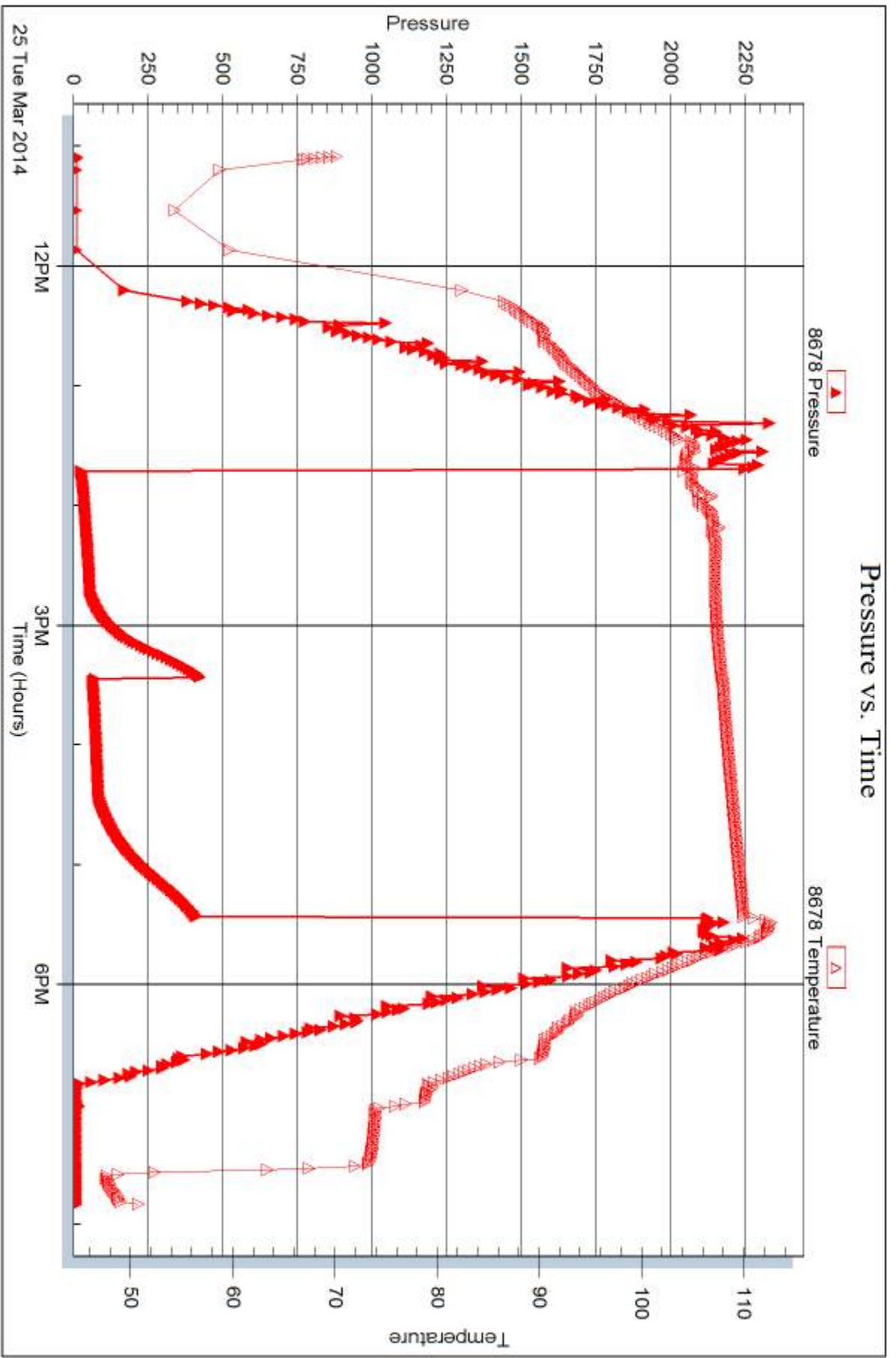
Serial #: 8678

Inside

Hartman Oil Co.

Nelson Trust #21-1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 56399

Printed: 2014.03.28 @ 11:25:32



DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Co.**

10500 E Berkeley Sq Pkwy
Ste 100
Wichita, KS 67206

ATTN: Kitt Noah

Nelson Trust #21-1

21 17s 34w Scott,KS

Start Date: 2014.03.26 @ 11:12:00

End Date: 2014.03.26 @ 19:25:00

Job Ticket #: 56400 DST #: 3

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

Printed: 2014.03.28 @ 11:24:53

Hartman Oil Co.
21 17s 34w Scott,KS
Nelson Trust #21-1
DST # 3
Pawnee - Ft Scott
2014.03.26



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Hartman Oil Co.
10500 E Berkeley Sq Pkw y
Ste 100
Wichita, KS 67206
ATTN: Kitt Noah

21 17s 34w Scott,KS

Nelson Trust #21-1

Job Ticket: 56400

DST#: 3

Test Start: 2014.03.26 @ 11:12:00

GENERAL INFORMATION:

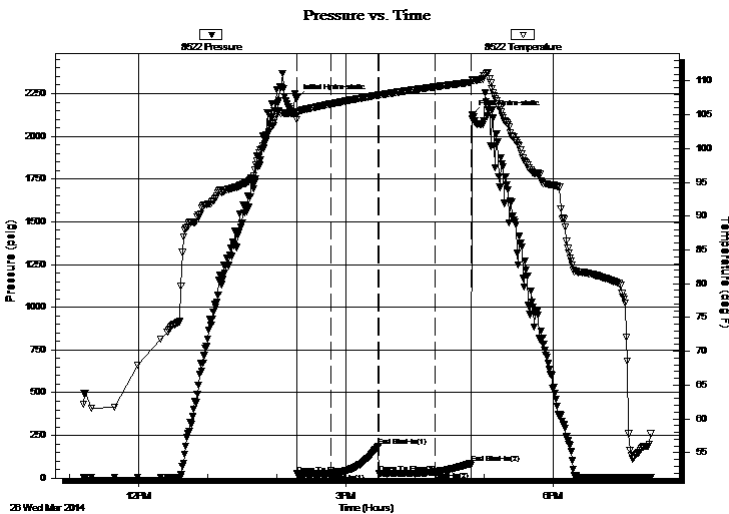
Formation: **Pawnee - Ft Scott**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:17:15
 Time Test Ended: 19:25:00
 Interval: **4516.00 ft (KB) To 4596.00 ft (KB) (TVD)**
 Total Depth: 4477.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 69
 Reference Elevations: 3072.00 ft (KB)
 3060.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8522 Outside

Press@RunDepth: 37.14 psig @ 4517.00 ft (KB)
 Start Date: 2014.03.26 End Date: 2014.03.26
 Start Time: 11:12:05 End Time: 19:24:59
 Capacity: 8000.00 psig
 Last Calib.: 2014.03.26
 Time On Btm: 2014.03.26 @ 14:17:00
 Time Off Btm: 2014.03.26 @ 16:50:00

TEST COMMENT: IF: Surface blow, died @ 20 min.
 IS: No return.
 FF: No blow flushed tool no blow.
 FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2222.04	105.28	Initial Hydro-static
1	24.47	104.28	Open To Flow (1)
30	26.03	106.59	Shut-In(1)
71	187.62	107.91	End Shut-In(1)
72	26.12	107.92	Open To Flow (2)
120	37.14	109.11	Shut-In(2)
152	87.65	109.79	End Shut-In(2)
153	2126.24	110.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	MUD 100M (oil spots)	0.10

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hartman Oil Co.

21 17s 34w Scott,KS

10500 E Berkeley Sq Pkwy
Ste 100
Wichita, KS 67206
ATTN: Kitt Noah

Nelson Trust #21-1

Job Ticket: 56400

DST#: 3

Test Start: 2014.03.26 @ 11:12:00

Tool Information

Drill Pipe:	Length: 4268.00 ft	Diameter: 3.80 inches	Volume: 59.87 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: 251.00 ft	Diameter: 2.25 inches	Volume: 1.23 bbl	Weight to Pull Loose: 80000.00 lb
			Total Volume: 61.10 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4516.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	80.00 ft			
Tool Length:	107.00 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			4490.00	
Shut In Tool	5.00			4495.00	
Hydraulic tool	5.00			4500.00	
Jars	5.00			4505.00	
Safety Joint	2.00			4507.00	
Packer	5.00			4512.00	27.00 Bottom Of Top Packer
Packer	4.00			4516.00	
Stubb	1.00			4517.00	
Recorder	0.00	8678	Inside	4517.00	
Recorder	0.00	8522	Outside	4517.00	
Perforations	11.00			4528.00	
Change Over Sub	1.00			4529.00	
Drill Pipe	63.00			4592.00	
Change Over Sub	1.00			4593.00	
Bullnose	3.00			4596.00	80.00 Bottom Packers & Anchor

Total Tool Length: 107.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hartman Oil Co.

21 17s 34w Scott,KS

10500 E Berkeley Sq Pkwy
Ste 100
Wichita, KS 67206
ATTN: Kitt Noah

Nelson Trust #21-1

Job Ticket: 56400

DST#: 3

Test Start: 2014.03.26 @ 11:12:00

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:

0 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	MUD 100M (oil spots)	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

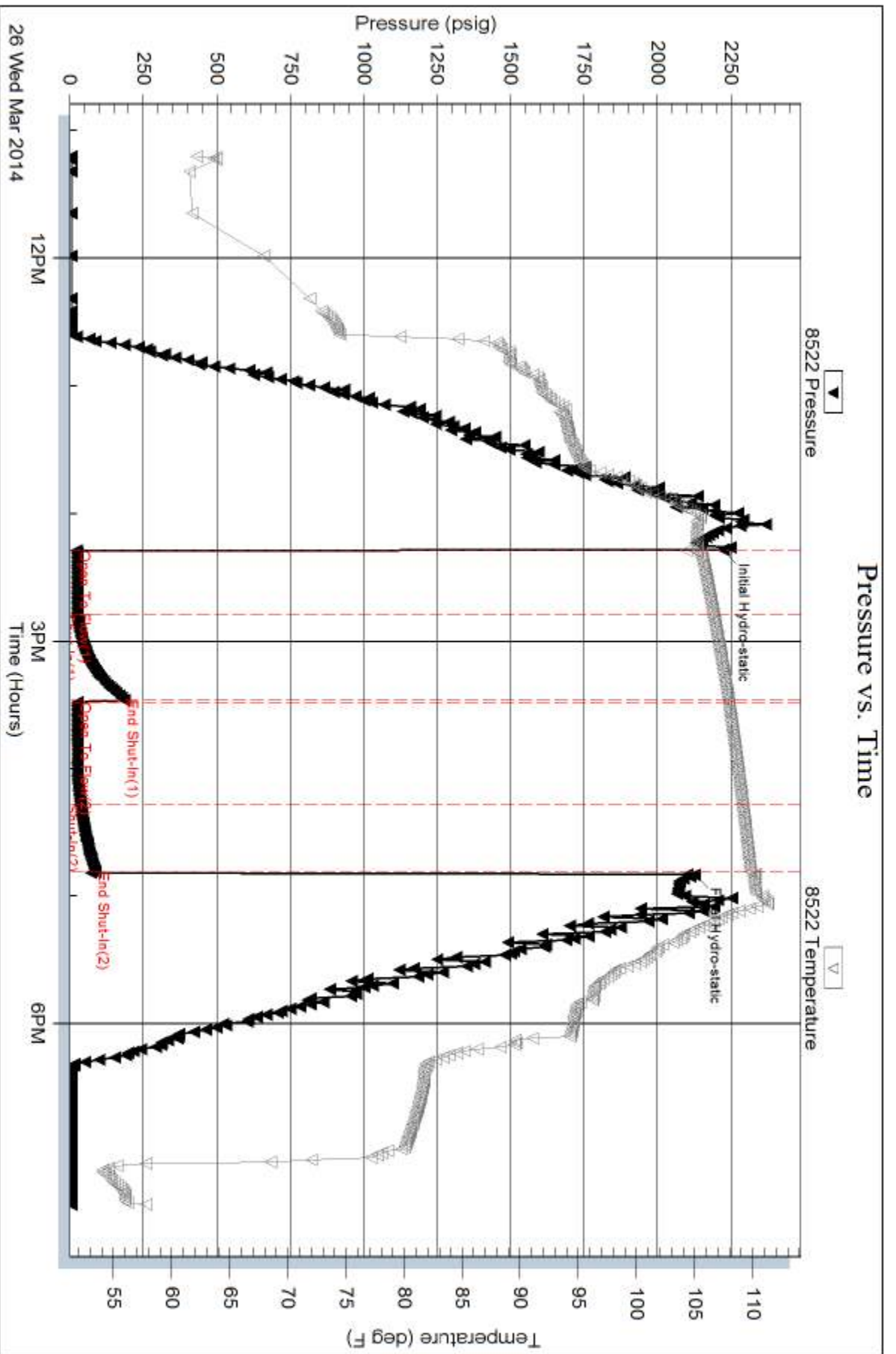
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



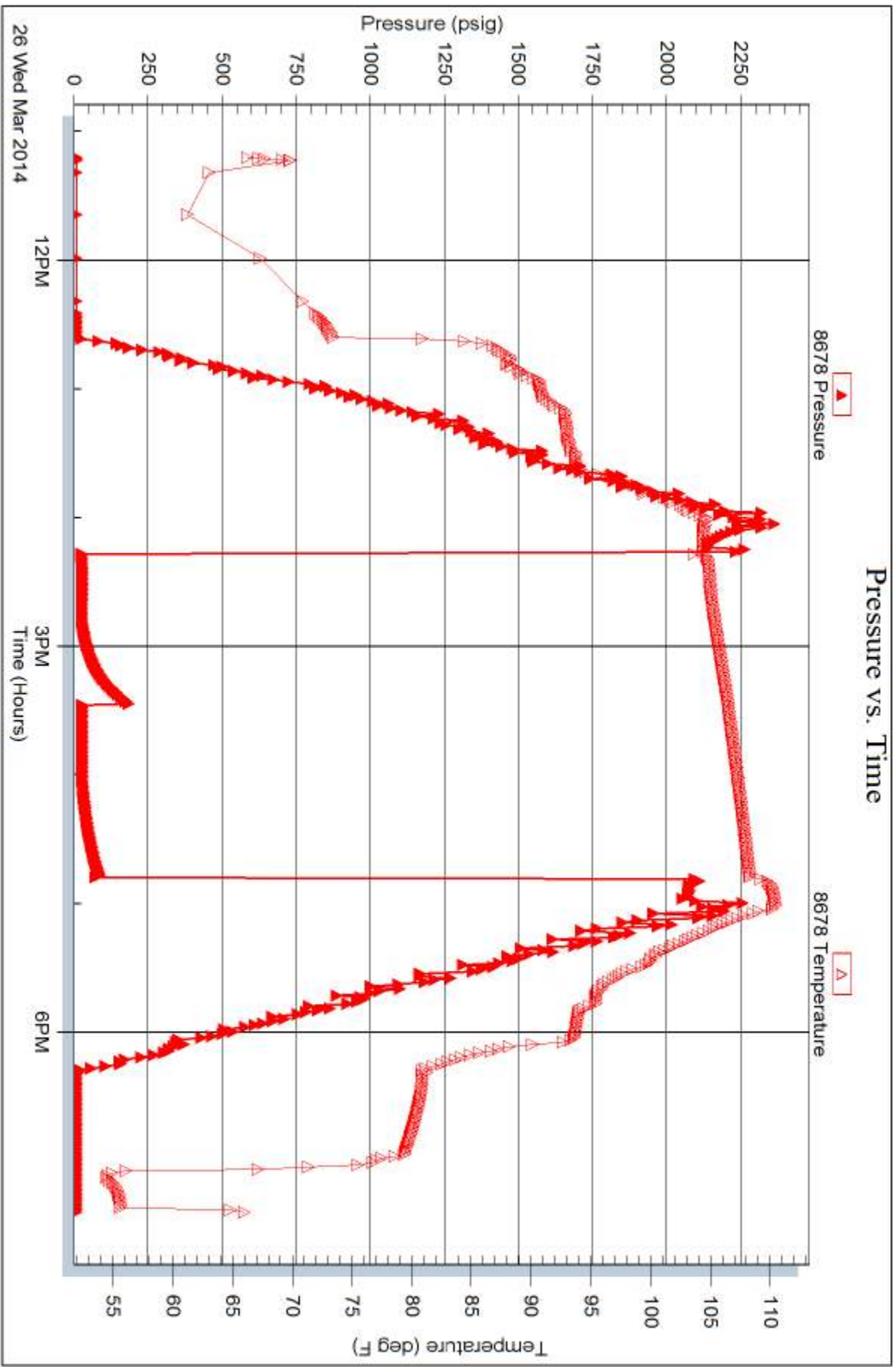
Serial #: 8678

Inside

Hartman Oil Co.

Nelson Trust #21-1

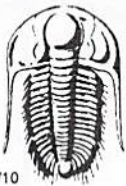
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 56400

Printed: 2014.03.28 @ 11:24:55



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56398

4/10

Well Name & No. Nelson Trust 21-1 Test No. 1 Date 3/24/14
 Company Hartman Oil Coy Inc Elevation ~~4416~~ 3072 KB 5460 GL
 Address 10500 E Berkeley Sq. Pkwy Ste 100 Wichita, ks 67206
 Co. Rep / Geo. Kitt Noah Rig H12 #2
 Location: Sec. 21 Twp. 17s Rge. 34w Co. Scott State Ks

Interval Tested 4416 4477 Zone Tested Marmaton A-B
 Anchor Length 61' Drill Pipe Run 4146 Mud Wt. 9.4
 Top Packer Depth 4411 Drill Collars Run 251 Vis 55
 Bottom Packer Depth 4416 Wt. Pipe Run 0 WL 10.0
 Total Depth 4477 Chlorides 8500 ppm System LCM 2 #

Blow Description IF: 1/2" blow, died @ 24 min.
ISI: No return.
FF: No blow. Flushed tool blow died.
FSI: No return.

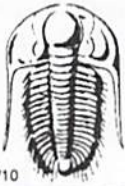
Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>500m</u>		<u>2</u>	<u>98</u>	
	<u>Oil Puddle on top</u>				

Rec Total 20 BHT 111 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2271</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>1215</u>
(B) First Initial Flow <u>25</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1400</u>
(C) First Final Flow <u>28</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1741</u>
(D) Initial Shut-In <u>267</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>2011</u>
(E) Second Initial Flow <u>29</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>2304</u>
(F) Second Final Flow <u>29</u>	<input checked="" type="checkbox"/> Mileage <u>33 RT</u> 51.15	Comments
(G) Final Shut-In <u>136</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2143</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1</u>
Final Shut-In <u>45</u>	<input checked="" type="checkbox"/> Accessibility <u>150</u>	MP/DST Disc't
	Sub Total <u>1776.15</u>	

Approved By _____ 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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56399

4/10

Well Name & No. Nelson Trust 21-1 Test No. 2 Date 3/25/14
 Company Hartman Oil Co, Inc Elevation 3072 KB 3060 GL
 Address 10500 E Berkeley Sq. PKwy Ste 100 Wichita, Ks 67206
 Co. Rep / Geo. Kitt Noah Rig H2 #2
 Location: Sec. 21 Twp. 17s Rge. 34w Co. Scott State Ks

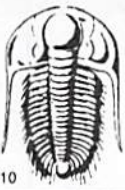
Interval Tested 4476 4512 Zone Tested Marmaton Alignment 'C'
 Anchor Length 36 Drill Pipe Run 4207 Mud Wt. 9.3
 Top Packer Depth 4471 Drill Collars Run 250 Vis 58
 Bottom Packer Depth 4476 Wt. Pipe Run 0 WL 8.8
 Total Depth 4512 Chlorides 8,000 ppm System LCM 2#
 Blow Description TF: 1" blow
ISI: No return.
FF: 1" blow
FSI: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>OTL</u>	<u>100</u>			
<u>100</u>	<u>OCM</u>	<u>10</u>			<u>90</u>

Rec Total 140 BHT 111 Gravity 2.3 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2245 Test 1250 T-On Location 0930
 (B) First Initial Flow 25 Jars _____ T-Started 1105
 (C) First Final Flow 54 Safety Joint _____ T-Open 1241
 (D) Initial Shut-In 423 Circ Sub NC T-Pulled 1726
 (E) Second Initial Flow 77 Hourly Standby _____ T-Out 1952
 (F) Second Final Flow 83 Mileage 33 RT 51.15 Comments _____
 (G) Final Shut-In 412 Sampler _____
 (H) Final Hydrostatic 2184 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 60 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1451.15
 Final Flow 60 Accessibility 150 MP/DST Disc' _____
 Final Shut-In 60 Sub Total 1451.15

Approved By _____ Our Representative [Signature]
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **56400**

4/10

Well Name & No. Nelson Trust 21-1 Test No. 3 Date 3/25/14
 Company Hartman Oil Co, Inc Elevation 3072 KB 3060 GL
 Address 10500 E Berkeley Sq Pkwy Ste 100 Wichita, KS 67206
 Co. Rep / Geo. K.H. Noah Rig H12 #2
 Location: Sec. 21 Twp. 17s Rge. 34w Co. Scott State KS

Interval Tested 4516 4596 Zone Tested Purnee - Ft. Scott
 Anchor Length 80 Drill Pipe Run 4268 Mud Wt. 9.4
 Top Packer Depth 4511 Drill Collars Run 250 Vis 52
 Bottom Packer Depth 4516 Wt. Pipe Run 0 WL 8.0
 Total Depth 4596 Chlorides 6500 ppm System LCM 2#

Blow Description IF: Surface blow
IS: No return
FF: No blow, Flushed tool, No blow
FSI: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>Mon</u>			<u>100</u>	

Rec Total 20 BHT 110 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2222 Test 1250 T-On Location 1030
 (B) First Initial Flow 24 Jars — T-Started 1112
 (C) First Final Flow 26 Safety Joint — T-Open 1417
 (D) Initial Shut-In 188 Circ Sub — T-Pulled 1647
 (E) Second Initial Flow 26 Hourly Standby — T-Out 1925
 (F) Second Final Flow 37 Mileage 33 RT 51.15 Comments —
 (G) Final Shut-In 88 Sampler —
 (H) Final Hydrostatic 2126 Straddle — Ruined Shale Packer —
 Shale Packer — Ruined Packer —
 Extra Packer — Extra Copies —
 Extra Recorder — Sub Total 0
 Day Standby — Total 1451.15
 Accessibility 150 MP/DST Disc't —
 Sub Total 1451.15

Approved By _____ Our Representative 

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