

DRILL STEM TEST REPORT

Prepared For: **VJI Natural Resources**

30-38 48th St
Astoria NY 11103

ATTN: Jason Dinges

25 18 18 Rush KS

Oliverius #2

Start Date: 2007.02.05 @ 14:12:01

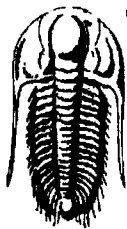
End Date: 2007.02.05 @ 21:01:10

Job Ticket #: 26900 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

VJI Natural Resources

30-38 48th St
Astoria NY 11103

ATTN: Jason Dinges

Oliverius #2

25 18 18 Rush KS

Job Ticket: 26900

DST#: 1

Test Start: 2007.02.05 @ 14:12:01

GENERAL INFORMATION:

Formation: **ARB**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:50:11

Time Test Ended: 21:01:10

Test Type: Conventional Bottom Hole

Tester: Michael Armbrister

Unit No: 21

Interval: **3695.00 ft (KB) To 3758.00 ft (KB) (TVD)**

Total Depth: 3758.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1995.00 ft (KB)

1987.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8320 Inside

Press@RunDepth: 29.75 psig @ 3701.00 ft (KB)

Start Date: 2007.02.05

End Date:

2007.02.05

Start Time: 14:12:03

End Time:

21:01:11

Capacity: 7000.00 psig

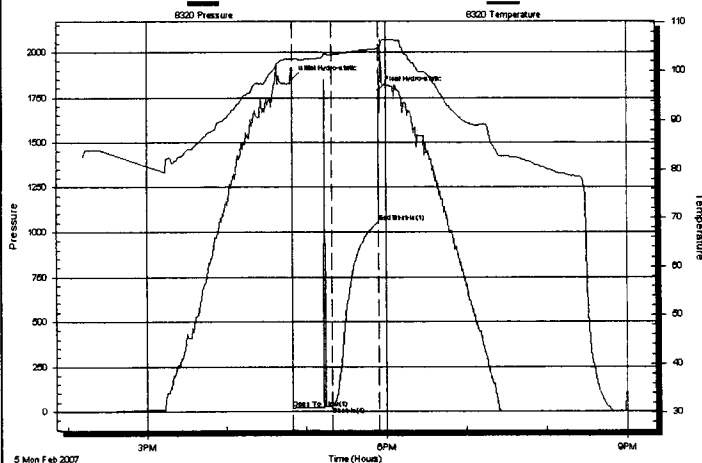
Last Calib.: 2007.02.05

Time On Btm: 2007.02.05 @ 16:50:01

Time Off Btm: 2007.02.05 @ 17:54:21

TEST COMMENT: IF Weak surface blow Flushed
ISI Dead
Pulled

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1850.41	102.63	Initial Hydro-static
1	17.58	101.99	Open To Flow (1)
30	29.75	103.33	Shut-In(1)
64	1052.52	104.55	End Shut-In(1)
65	1789.07	104.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Oil Spotted Mud	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

VJI Natural Resources

Oliverius #2

30-38 48th St
Astoria NY 11103

25 18 18 Rush KS

Job Ticket: 26900

DST#: 1

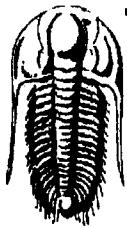
ATTN: Jason Dinges

Test Start: 2007.02.05 @ 14:12:01

Tool Information

Drill Pipe:	Length: 3570.00 ft	Diameter: 3.80 inches	Volume: 50.08 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume: 50.67 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3695.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	63.00 ft			
Tool Length:	92.00 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			3667.00	
Shut In Tool	5.00			3672.00	
Hydraulic tool	5.00			3677.00	
Jars	5.00			3682.00	
Safety Joint	3.00			3685.00	
Packer	5.00			3690.00	29.00 Bottom Of Top Packer
Packer	5.00			3695.00	
Stubb	1.00			3696.00	
Perforations	5.00			3701.00	
Recorder	0.00	8320	Inside	3701.00	
Change Over Sub	1.00			3702.00	
Blank Spacing	32.00			3734.00	
Change Over Sub	1.00			3735.00	
Perforations	20.00			3755.00	
Recorder	0.00	3351	Inside	3755.00	
Bullnose	3.00			3758.00	63.00 Bottom Packers & Anchor
Total Tool Length:		92.00			



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

VJI Natural Resources

Oliverius #2

30-38 48th St
Astoria NY 11103

25 18 18 Rush KS

Job Ticket: 26900

DST#: 1

ATTN: Jason Dinges

Test Start: 2007.02.05 @ 14:12:01

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: sec/qt

Cushion Volume:

bbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Oil Spotted Mud	0.098

Total Length: 20.00 ft

Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

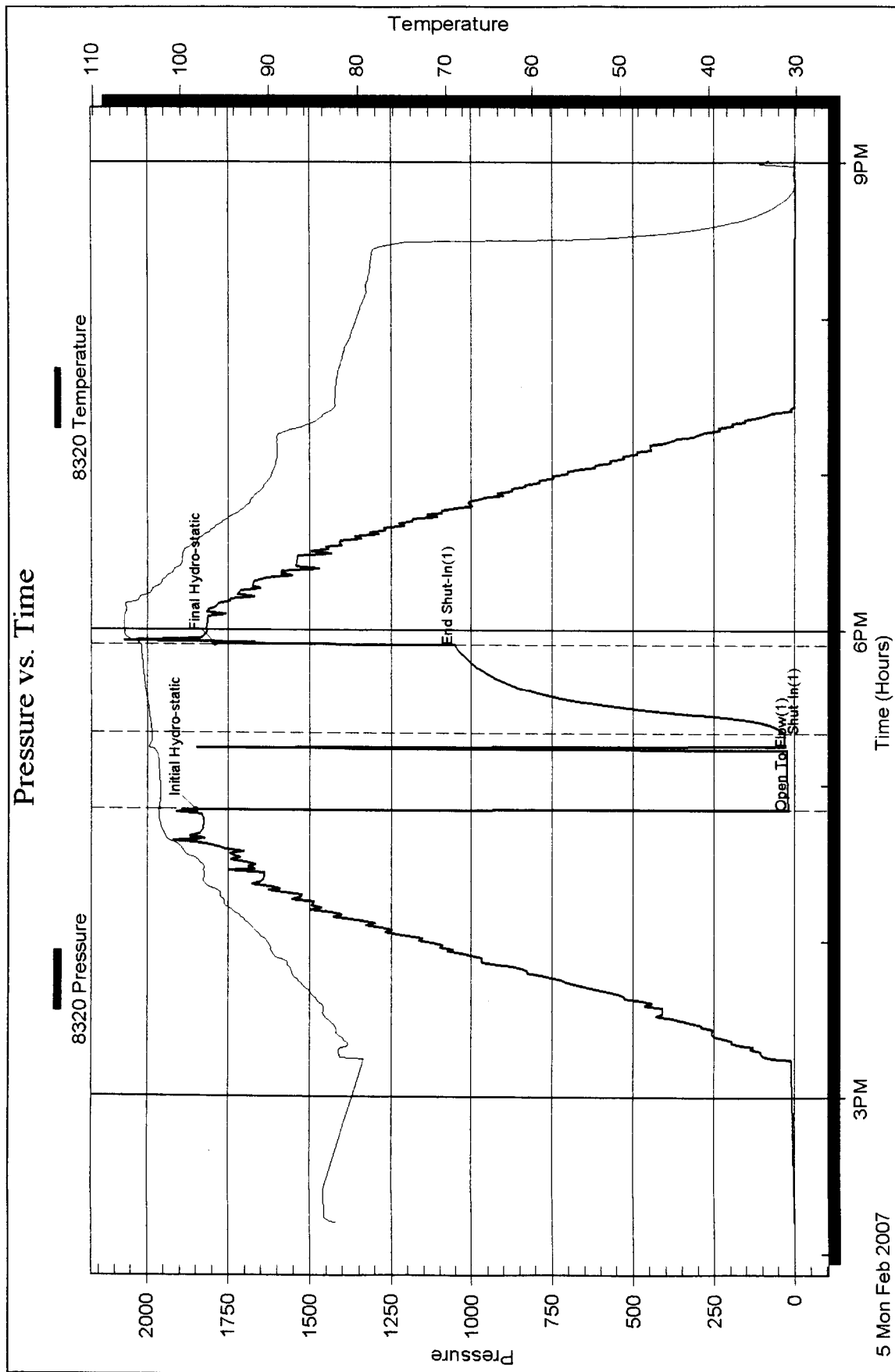
Serial #:

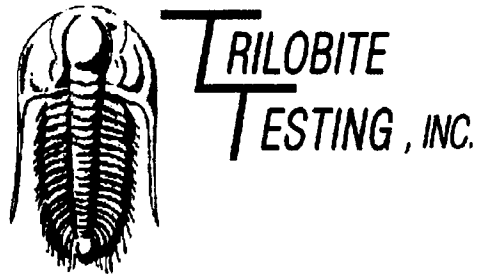
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **VJI Natural Resources**

30-38 48th St
Astoria NY 11103

ATTN: Jason Dinges

25 18 18 Rush KS

Oliverius #2

Start Date: 2007.02.06 @ 05:40:15

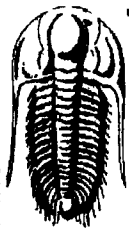
End Date: 2007.02.06 @ 15:19:25

Job Ticket #: 27493 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

VJI Natural Resources

30-38 48th St
Astoria NY 11103

ATTN: Jason Dinges

Oliverius #2

25 18 18 Rush KS

Job Ticket: 27493

DST#: 2

Test Start: 2007.02.06 @ 05:40:15

GENERAL INFORMATION:

Formation: **ARB**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:23:05

Time Test Ended: 15:19:25

Test Type: Conventional Bottom Hole

Tester: Michael Armbrister/T

Unit No: 21

Interval: **3751.00 ft (KB) To 3764.00 ft (KB) (TVD)**

Total Depth: 3758.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1995.00 ft (KB)

1987.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8320

Inside

Press@RunDepth: 159.76 psig @ 3752.00 ft (KB)

Start Date: 2007.02.06

End Date:

2007.02.06

Capacity: 7000.00 psig

Last Calib.: 2007.02.06

Start Time: 05:40:17

End Time:

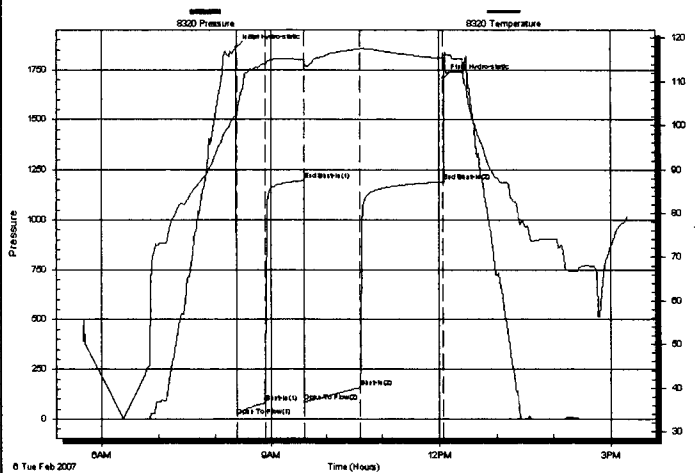
15:19:25

Time On Btm: 2007.02.06 @ 08:22:55

Time Off Btm: 2007.02.06 @ 12:05:15

TEST COMMENT: IFP BOB in 18 min
ISI Weak surface blow back died in 22 min
FFP BOB in 25 min
FSI Weak surface blow died in 35 min

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1859.54	102.51	Initial Hydro-static
1	16.68	101.72	Open To Flow (1)
31	82.26	113.94	Shut-In (1)
73	1195.99	114.94	End Shut-In (1)
74	85.25	114.46	Open To Flow (2)
134	159.76	117.53	Shut-In (2)
222	1190.39	115.33	End Shut-In (2)
223	1708.24	115.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GOCWM 5%G 20%O 20%W 55%M	0.60
15.00	GMCO 15%G 60%O 25%M	0.21
255.00	GCO 10%G 90%O	3.58
0.00	210' 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

VJI Natural Resources

30-38 48th St
Astoria NY 11103

ATTN: Jason Dinges

Oliverius #2

25 18 18 Rush KS

Job Ticket: 27493

DST#: 2

Test Start: 2007.02.06 @ 05:40:15

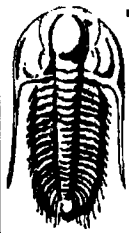
Tool Information

Drill Pipe:	Length: 3608.00 ft	Diameter: 3.80 inches	Volume: 50.61 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 51.20 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	3751.00 ft			Final	54000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	13.00 ft				
Tool Length:	41.00 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			3724.00	
Shut In Tool	5.00			3729.00	
Hydraulic tool	5.00			3734.00	
Jars	5.00			3739.00	
Safety Joint	2.00			3741.00	
Packer	5.00			3746.00	28.00 Bottom Of Top Packer
Packer	5.00			3751.00	
Stubb	1.00			3752.00	
Recorder	0.00	8320	Inside	3752.00	
Perforations	9.00			3761.00	
Recorder	0.00	3351	Inside	3761.00	
Bullnose	3.00			3764.00	13.00 Bottom Packers & Anchor

Total Tool Length: 41.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

VJI Natural Resources

Oliverius #2

30-38 48th St
Astoria NY 11103

25 18 18 Rush KS

Job Ticket: 27493

DST#: 2

ATTN: Jason Dinges

Test Start: 2007.02.06 @ 05:40:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

42 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	GOCWM 5%G 20%O 20%W 55%M	0.599
15.00	GMCO15%G 60%O 25%M	0.210
255.00	GCO 10%G 90%O	3.577
0.00	210' GIP	0.000

Total Length: 390.00 ft

Total Volume: 4.386 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

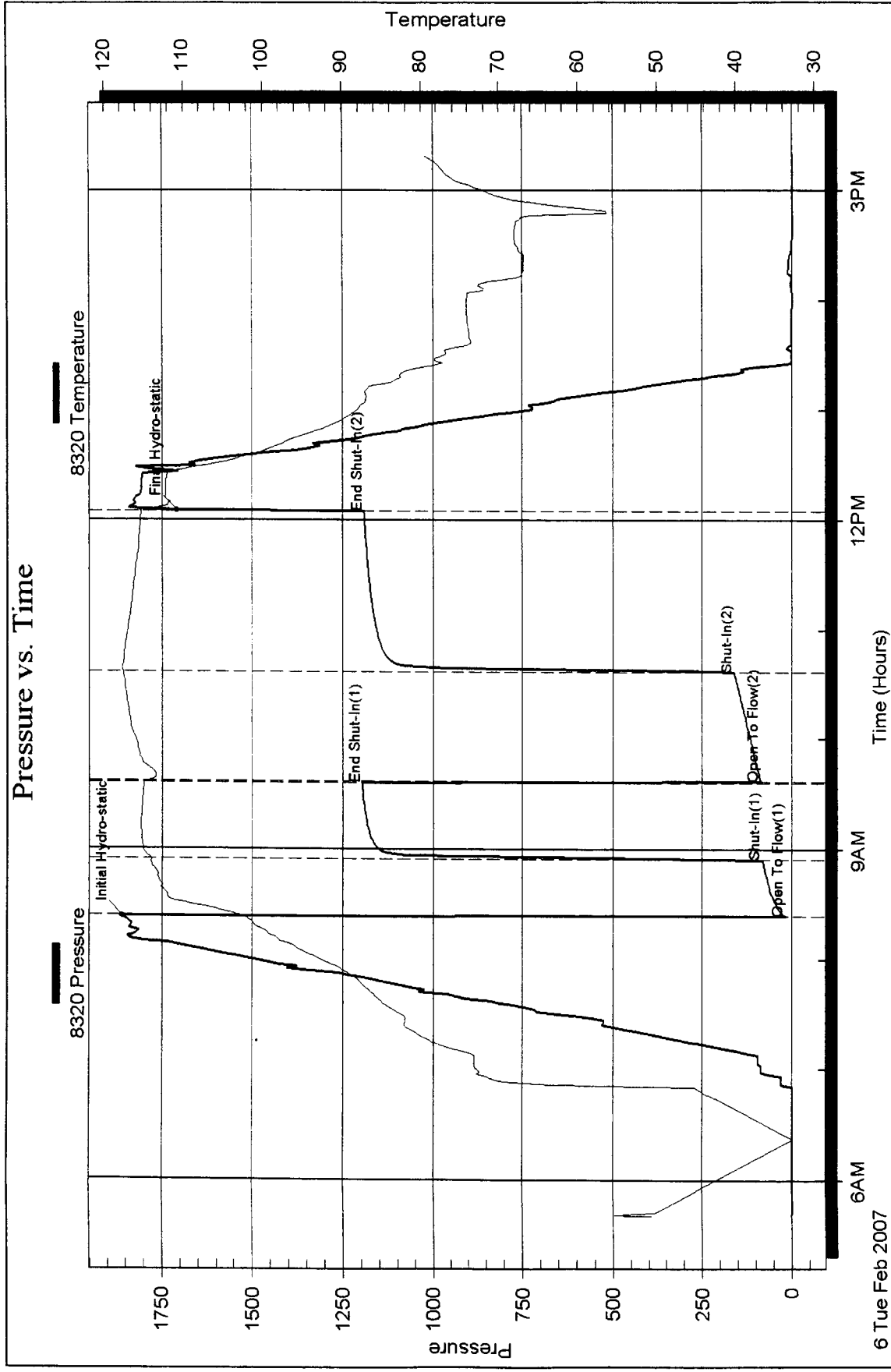
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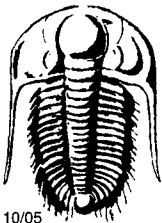
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

9822

26900

9822

Test Ticket

Well Name & No. <u>Oliverius #2</u>	Test No. <u>1</u>	Date <u>2-05-06</u>
Company <u>VJI</u>	Zone Tested <u>Arb</u>	
Address _____	Elevation <u>1995</u>	KB <u>1987</u> GL _____
Co. Rep / Geo. <u>Jason Dinges</u>	Rig <u>Warren 17</u>	
Location: Sec. <u>25</u> Twp. <u>18</u> Rge. <u>18</u>	Co. <u>Rush</u>	State <u>KS</u>
Comment: _____		Release date / time: _____

Interval Tested <u>3695 - 3758</u>	Initial Str Wt./Lbs. <u>45000</u>	Unseated Str Wt./Lbs. <u>45000</u>
Anchor Length <u>63</u>	Wt. Set Lbs. <u>20000</u>	Wt. Pulled Loose/Lbs. <u>45000</u>
Top Packer Depth <u>3690</u>	Tool Weight <u>2000</u>	
Bottom Packer Depth <u>3695</u>	Hole Size <u>7 7/8"</u>	Rubber Size <u>6 3/4"</u>
Total Depth <u>3758</u>	Wt. Pipe Run _____	Drill Collar Run <u>119</u>
Mud Wt. <u>9.1</u> LCM <u>-</u> Vis. <u>52</u> WL <u>8.8</u>	Drill Pipe Size <u>4 1/2</u>	Ft. Run <u>3579</u>
Blow Description <u>IF - Weak surface Blow Flushed</u>		
<u>ISI - Dead</u>		

Recovery - Total Feet <u>20</u>	GIP _____	Ft. in DC _____	Ft. in DP _____
Rec. <u>20</u>	Feet of <u>0.1 spotted mud</u>	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
BHT <u>105</u>	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____
RW _____ @ _____ °F	Chlorides _____ ppm	Recovery _____	Chlorides <u>4000</u> ppm System

(A) Initial Hydrostatic Mud	Alpine <u>1850</u> PSI	Recorder No. <u>8320</u>	Test <u>Ren</u> <u>1100</u>
(B) First Initial Flow Pressure	<u>18</u> PSI	(depth) <u>3698</u>	Jars <u>Ren</u> <u>25</u>
(C) First Final Flow Pressure	<u>30</u> PSI	Recorder No. <u>3351</u>	Safety Jt <u>Ren</u> <u>75</u>
(D) Initial Shut-In Pressure	<u>1053</u> PSI	(depth) <u>3757</u>	Circ Sub _____
(E) Second Initial Flow Pressure	_____ PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	_____ PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	_____ PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1789</u> PSI	Initial Shut-In <u>30</u>	Shale Packer _____

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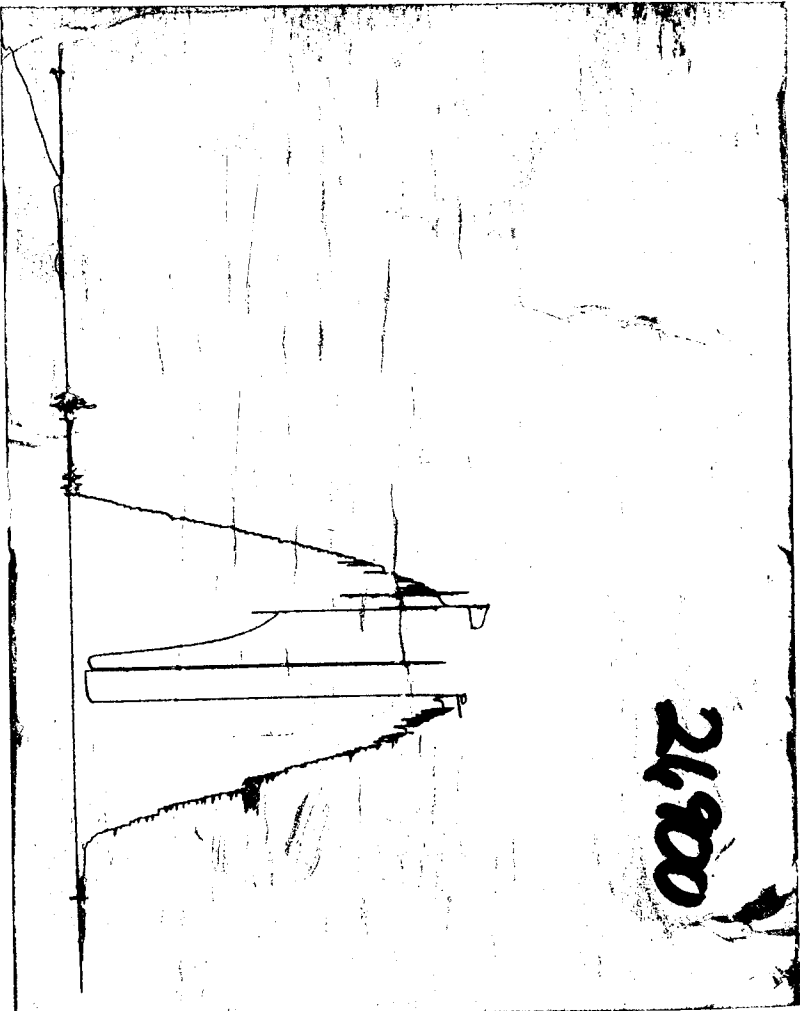
Approved By _____

Our Representative Michael Ambrose

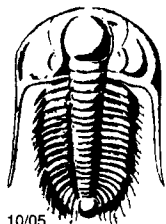
Final Flow _____	T-Started <u>14:12</u>	Std. By _____
Final Shut-In _____	T-Open <u>16:50</u>	Acc. Chg: _____
T-On Location <u>1300</u>	T-Pulled <u>17:50</u>	Other: _____
T-Out <u>20:40</u>	Total: <u>\$1510.00</u>	

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.



VJI



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

27493

9822

Test Ticket

Well Name & No. Oliverius #2 Test No. 2 Date 2-06
 Company VJI Zone Tested Arb
 Address _____ Elevation 1995 KB 1987 GL _____
 Co. Rep / Geo. Jason Dinges Rig Warren #17
 Location: Sec. 25 Twp. 18 Rge. 18 Co. Rush State KS
 Comment: _____ Release date / time: _____

Interval Tested 3751-3764 Initial Str Wt./Lbs. 50000 Unseated Str Wt./Lbs. 54000
 Anchor Length 13' Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 60000
 Top Packer Depth 3746 Tool Weight 2,000
 Bottom Packer Depth 3751 Hole Size 7 7/8" — Rubber Size 6 3/4" —
 Total Depth 3764 Wt. Pipe Run — Drill Collar Run 119
 Mud Wt. 9.1 LCM — Vis. 52 WL 8.8 Drill Pipe Size 4 1/2 Ft. Run 3608
 Blow Description IFP - BOB in 18 min
ISI - weak surface blow back died in 28 min
FFP - BOB in 25 min
FSI weak surface blow back died in 35 min

Recovery - Total Feet 390 GIP 210 Ft. in DC 119 Ft. in DP 271
 Rec. 255 Feet of Grassy Free Oil 10% gas 90% oil %water %mud
 Rec. 15 Feet of GMCO 15% gas 60% oil %water 25% mud
 Rec. 120 Feet of GOCWM 5% gas 80% oil 20% water 55% mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 BHT 115 °F Gravity 42 °API D @ 60 °F Corrected Gravity 42 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 4300 ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>1853</u>	PSI	Recorder No.	<u>8320</u>	Test <u>Ran</u> <u>1100</u>
(B) First Initial Flow Pressure	<u>16</u>	PSI	(depth)	<u>3752</u>	Jars <u>Ran</u> <u>250</u>
(C) First Final Flow Pressure	<u>82</u>	PSI	Recorder No.	<u>3351</u>	Safety Jt. <u>Ran</u> <u>75</u>
(D) Initial Shut-In Pressure	<u>1196</u>	PSI	(depth)	<u>3763</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>85</u>	PSI	Recorder No.	_____	Sampler _____
(F) Second Final Flow Pressure	<u>160</u>	PSI	(depth)	_____	Straddle _____
(G) Final Shut-In Pressure	<u>1190</u>	PSI	Initial Opening	<u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1741</u>	PSI	Initial Shut-In	<u>45</u>	Shale Packer _____
			Final Flow	<u>60</u>	Ruined Packer _____
			Final Shut-In	<u>90</u>	Mileage <u>68 x 1 85</u>
			T-On Location	<u>9:50</u>	Sub Total: _____
			T-Started	<u>5:40</u>	Std. By <u>225</u> <u>225</u>
			T-Open	<u>8:17</u>	Acc. Chg: _____
			T-Pulled	<u>12:02</u>	Other: _____
			T-Out	<u>15:20</u>	Total: <u>11735</u>

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Approved By Robert St. Louis
 Our Representative Michael Ambuster/Tyson Flax

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

