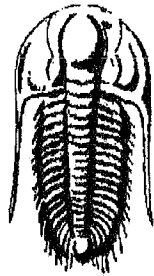


15-163-23812

7-10s-16w

IND



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Vess Oil Corp.**

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206

ATTN: Roger Martin

7-10-16 Rooks KS

Younger #1

Start Date: 2009.09.19 @ 21:34:35

End Date: 2009.09.20 @ 04:02:05

Job Ticket #: 35545 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Vess Oil Corp.

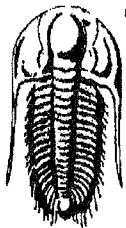
Younger #1

7-10-16 Rooks KS

DST # 1

Topeka

2009.09.19



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Vess Oil Corp.

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206
ATTN: Roger Martin

Younger #1

7-10-16 Rooks KS

Job Ticket: 35545

DST#: 1

Test Start: 2009.09.19 @ 21:34:35

GENERAL INFORMATION:

Formation: **Topeka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:29:35

Time Test Ended: 04:02:05

Interval: **2862.00 ft (KB) To 2885.00 ft (KB) (TVD)**

Total Depth: 2885.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole

Tester: Kyle Kinderknecht

Unit No: 47

Reference Elevations: 1959.00 ft (KB)

1954.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8319 Inside

Press@RunDepth: 45.77 psig @ 2865.00 ft (KB)

Start Date: 2009.09.19

End Date: 2009.09.20

Start Time: 21:34:40

End Time: 04:02:04

Capacity: 7000.00 psig

Last Calib.: 2009.09.20

Time On Btm: 2009.09.19 @ 23:27:35

Time Off Btm: 2009.09.20 @ 02:32:35

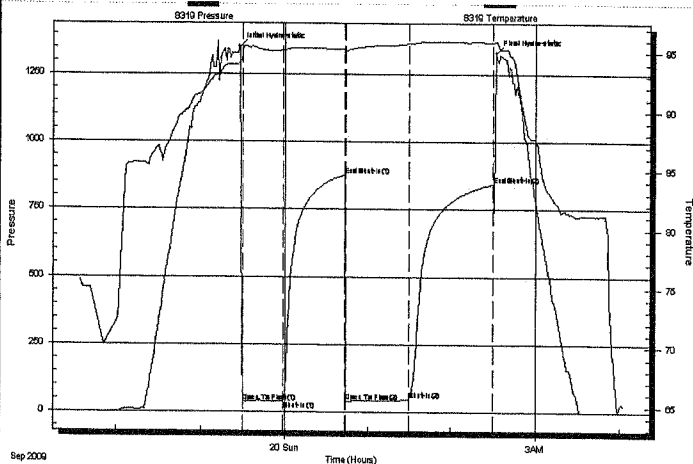
TEST COMMENT: IF Slow build to 1 1/8"

ISI No blow

FF Weak blow

FSI No blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1349.31	94.13	Initial Hydro-static
2	37.77	94.82	Open To Flow (1)
32	39.43	95.18	Shut-In (1)
76	876.89	95.30	End Shut-In (1)
77	40.89	95.09	Open To Flow (2)
122	45.77	95.74	Shut-In (2)
183	844.18	95.86	End Shut-In (2)
185	1328.68	95.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Very Silty CM 1% O 99% M	0.85
0.00	60' GIP	0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Vess Oil Corp.

Younger #1

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206
ATTN: Roger Martin

7-10-16 Rooks KS

Job Ticket: 35545

DST#: 1

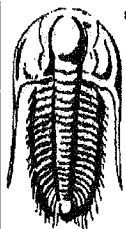
Test Start: 2009.09.19 @ 21:34:35

Tool Information

Drill Pipe:	Length: 2839.00 ft	Diameter: 3.82 inches	Volume: 40.24 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume: 40.24 bbl		Tool Chased 15.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	2862.00 ft			Final 34000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	50.00 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			2836.00	
Shut In Tool	5.00			2841.00	
Hydraulic tool	5.00			2846.00	
Jars	4.00			2850.00	
Safety Joint	3.00			2853.00	
Packer	4.00			2857.00	27.00 Bottom Of Top Packer
Packer	5.00			2862.00	
Stubb	1.00			2863.00	
Perforations	2.00			2865.00	
Recorder	0.00	8319	Inside	2865.00	
Recorder	0.00	8369	Inside	2865.00	
Perforations	17.00			2882.00	
Bullnose	3.00			2885.00	23.00 Bottom Packers & Anchor
Total Tool Length:		50.00			



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Vess Oil Corp.

Younger #1

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206
ATTN: Roger Martin

7-10-16 Rooks KS

Job Ticket: 35545

DST#: 1

Test Start: 2009.09.19 @ 21:34:35

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 9.15 in³

Resistivity: ohm.m

Salinity: 2000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft
bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Very SlitOCM 1%O 99%M	0.851
0.00	60' GIP	0.000

Total Length: 60.00 ft

Total Volume: 0.851 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

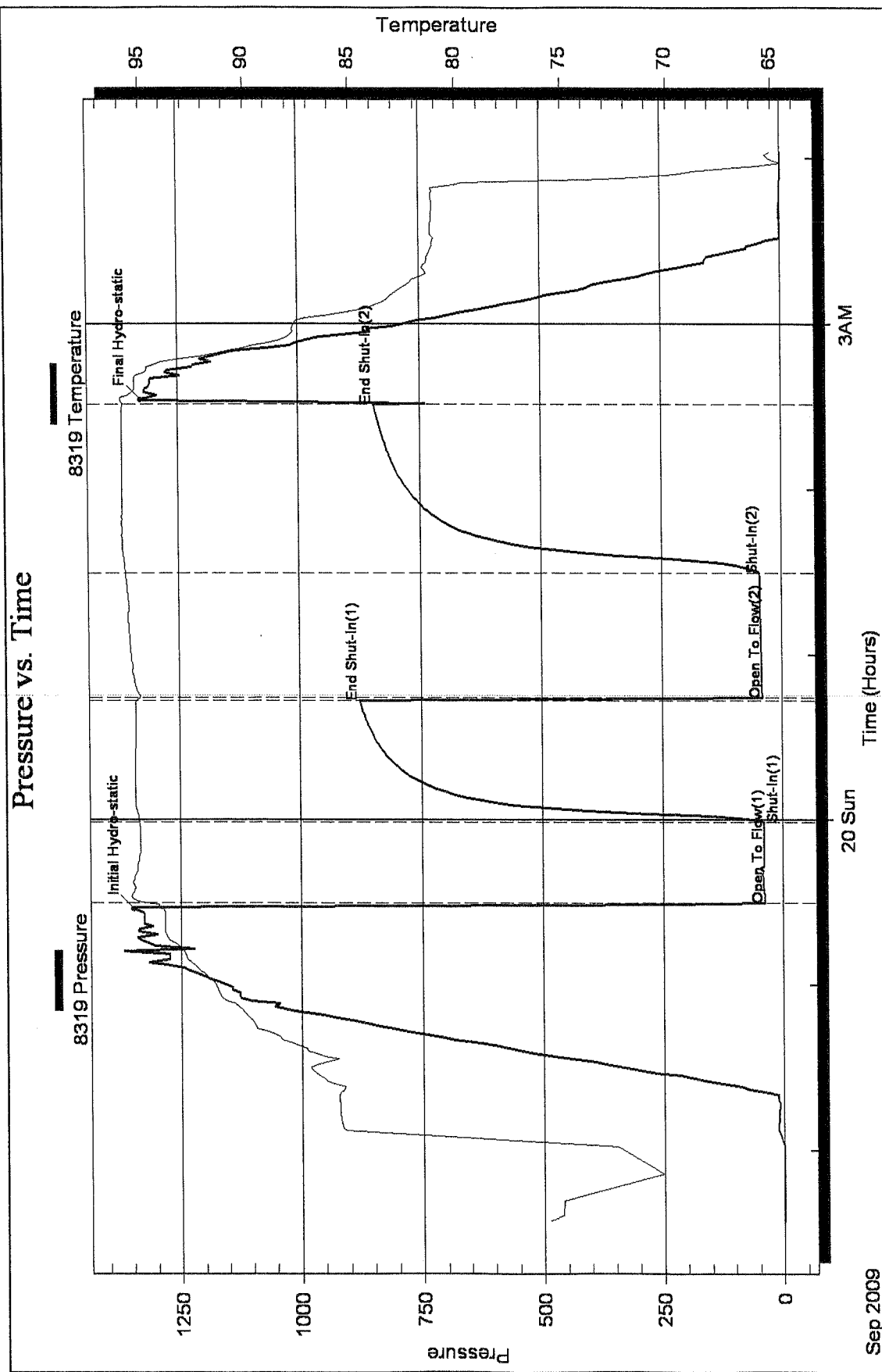
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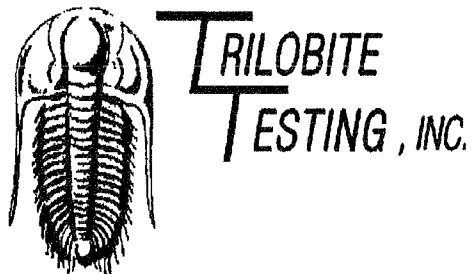
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Vess Oil Corp.**

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206

ATTN: Roger Martin

7-10-16 Rooks KS

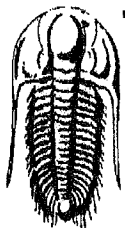
Younger #1

Start Date: 2009.09.20 @ 16:54:17

End Date: 2009.09.21 @ 00:03:47

Job Ticket #: 35546 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

Vess Oil Corp.

Younger #1

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206
ATTN: Roger Martin

7-10-16 Rooks KS

Job Ticket: 35546

DST#: 2

Test Start: 2009.09.20 @ 16:54:17

GENERAL INFORMATION:

Formation: **Oread**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 18:29:47

Time Test Ended: 00:03:47

Test Type: **Conventional Bottom Hole**

Tester: **Kyle Kinderknecht**

Unit No: **47**

Interval: **3014.00 ft (KB) To 3039.00 ft (KB) (TVD)**

Total Depth: **3039.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **1959.00 ft (KB)**

1954.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 8319

Inside

Press@RunDepth: **331.20 psig @ 3019.00 ft (KB)**

Start Date: **2009.09.20**

End Date: **2009.09.21**

Start Time: **16:54:22**

End Time: **00:03:46**

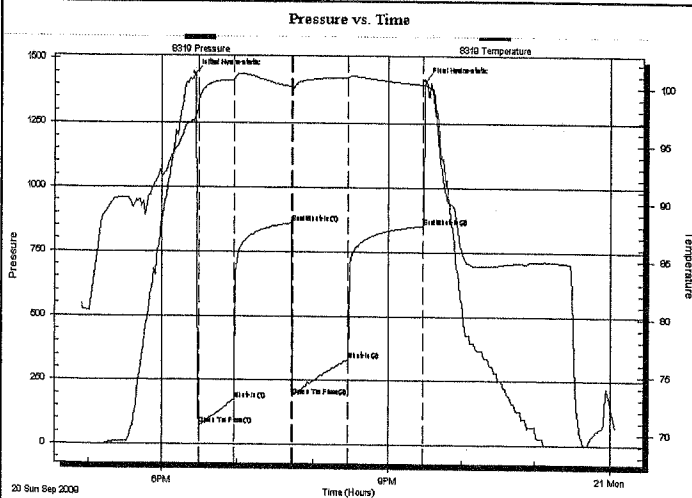
Capacity: **7000.00 psig**

Last Calib.: **2009.09.21**

Time On Btm: **2009.09.20 @ 18:26:47**

Time Off Btm: **2009.09.20 @ 21:30:17**

TEST COMMENT: IF BOB 1 min
ISI BOB 10 min
FF BOB 3 min
FSI BOB 11 min



PRESSURE SUMMARY

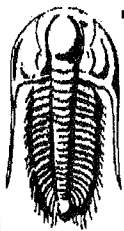
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1442.33	97.26	Initial Hydro-static
3	75.93	98.77	Open To Flow (1)
31	174.28	100.54	Shut-In (1)
77	861.10	100.04	End Shut-In (1)
77	188.56	99.75	Open To Flow (2)
121	331.20	100.76	Shut-In (2)
181	851.66	100.23	End Shut-In (2)
184	1417.27	100.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	713' GIP	0.00
589.00	GsySlitMCO 15%G 82%O 3%M	8.35
186.00	GsyMCO 10%G 70%O 20%M	2.64
62.00	GsyMCO 10%G 60%O 30%M	0.88

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Vess Oil Corp.

Younger #1

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206
ATTN: Roger Martin

7-10-16 Rooks KS

Job Ticket: 35546

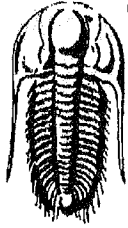
DST#: 2

Test Start: 2009.09.20 @ 16:54:17

Tool Information

Drill Pipe:	Length: 2993.00 ft	Diameter: 3.82 inches	Volume: 42.43 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			Total Volume: 42.43 bbl	Tool Chased 10.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 37000.00 lb
Depth to Top Packer:	3014.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	52.00 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			2988.00	
Shut In Tool	5.00			2993.00	
Hydraulic tool	5.00			2998.00	
Jars	4.00			3002.00	
Safety Joint	3.00			3005.00	
Packer	4.00			3009.00	27.00 Bottom Of Top Packer
Packer	5.00			3014.00	
Stubb	1.00			3015.00	
Perforations	2.00			3017.00	
Blank Spacing	2.00			3019.00	
Recorder	0.00	8319	Inside	3019.00	
Recorder	0.00	8369	Inside	3019.00	
Perforations	17.00			3036.00	
Bullnose	3.00			3039.00	25.00 Bottom Packers & Anchor
Total Tool Length:		52.00			



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vess Oil Corp.

Younger #1

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206
ATTN: Roger Martin

7-10-16 Rooks KS

Job Ticket: 35546

DST#: 2

Test Start: 2009.09.20 @ 16:54:17

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 41.00 sec/qt

Water Loss: 10.75 in³

Resistivity: ohm.m

Salinity: 5500.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

33 deg API

Water Salinity:

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	713' GIP	0.000
589.00	GsySlitMCO 15%G 82%O 3%M	8.349
186.00	GsyMCO 10%G 70%O 20%M	2.637
62.00	GsyMCO 10%G 60%O 30%M	0.879

Total Length: 837.00 ft

Total Volume: 11.865 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

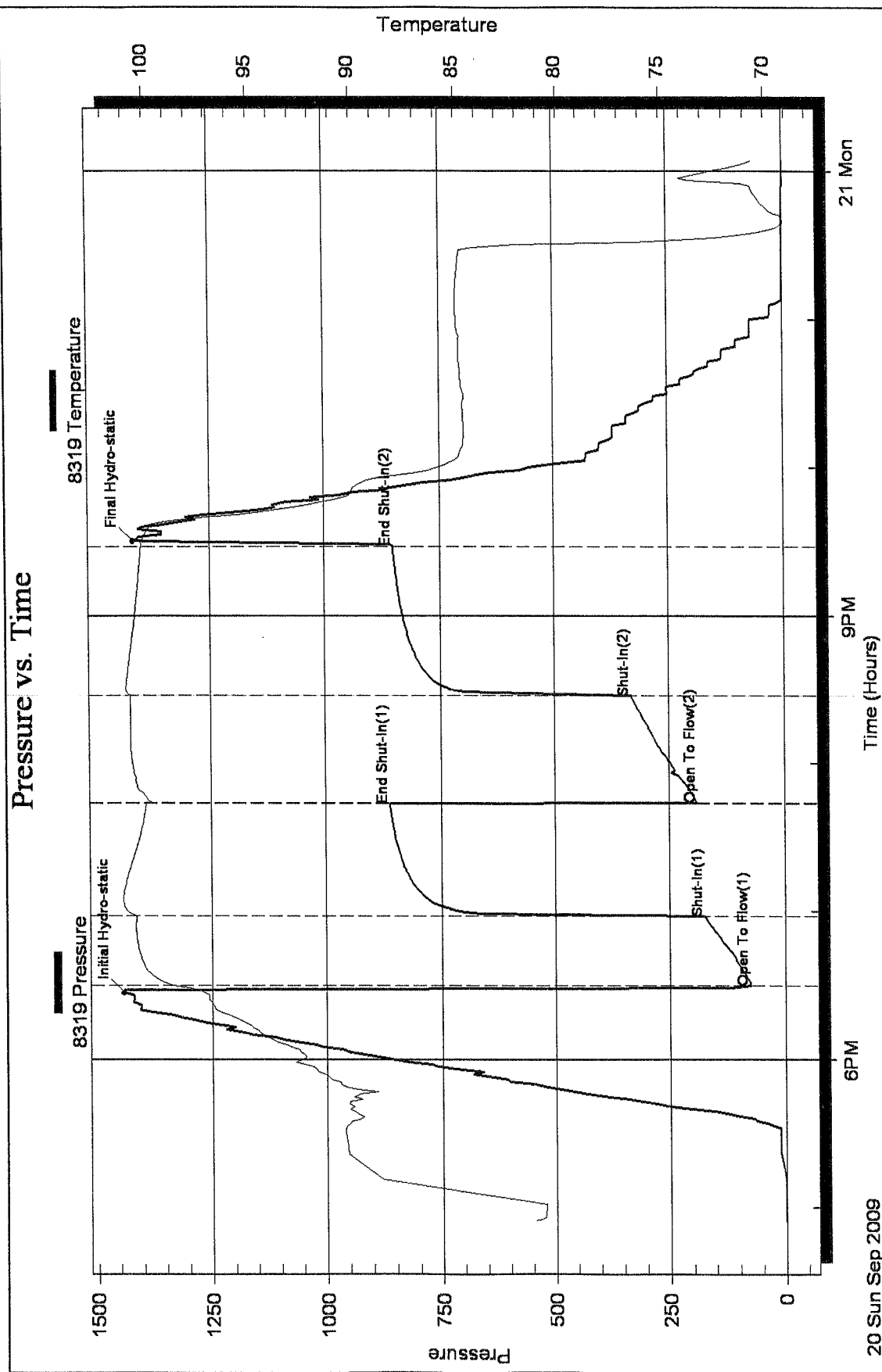
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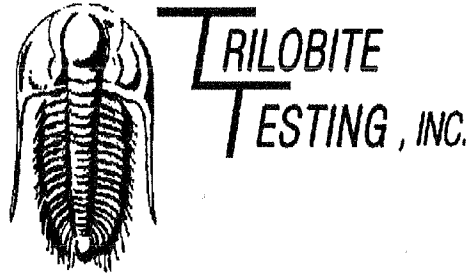
Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity 34 @ 70 deg.

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Vess Oil Corp.**

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206

ATTN: Roger Martin

7-10-16 Rooks KS

Younger #1

Start Date: 2009.09.21 @ 16:03:02

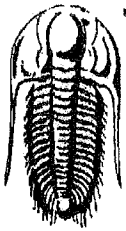
End Date: 2009.09.21 @ 21:57:02

Job Ticket #: 35547 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

Vess Oil Corp.

Younger #1

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206
ATTN: Roger Martin

7-10-16 Rooks KS

Job Ticket: 35547

DST#: 3

Test Start: 2009.09.21 @ 16:03:02

GENERAL INFORMATION:

Formation: **LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:29:02

Time Test Ended: 21:57:02

Test Type: Conventional Bottom Hole

Tester: Kyle Kinderknecht

Unit No: 47

Interval: **3063.00 ft (KB) To 3197.00 ft (KB) (TVD)**

Total Depth: 3197.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1959.00 ft (KB)

1954.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8319 Inside

Press@RunDepth: 58.85 psig @ 3072.00 ft (KB)

Start Date: 2009.09.21

End Date:

2009.09.21

Capacity: 7000.00 psig

Last Calib.: 2009.09.21

Start Time: 16:03:07

End Time:

21:57:01

Time On Btm: 2009.09.21 @ 17:27:02

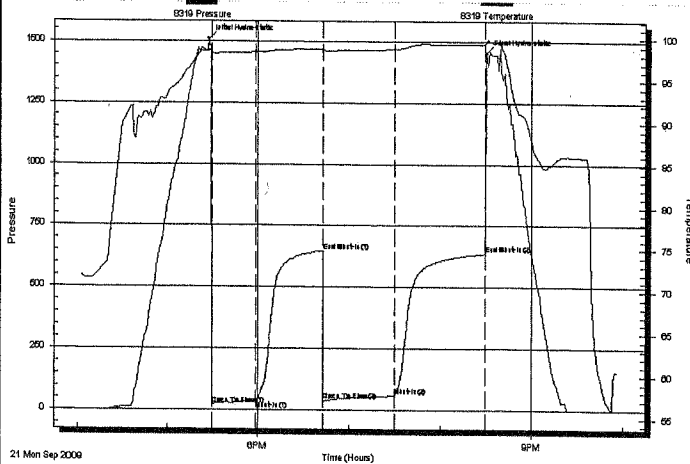
Time Off Btm: 2009.09.21 @ 20:30:32

TEST COMMENT: IF BOB 21min

FF BOB 11 min

FSI Weak died 5 min

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1507.66	98.55	Initial Hydro-static
2	22.17	98.31	Open To Flow(1)
32	37.56	98.39	Shut-In(1)
76	647.66	98.79	End Shut-In(1)
76	38.11	98.61	Open To Flow(2)
123	58.85	98.75	Shut-In(2)
183	637.02	99.33	End Shut-In(2)
184	1451.98	99.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	330' GIP	0.00
40.00	GsyHOCM 15%G 35%O 50%M	0.57
60.00	GsyHOCM 40%G 30%O 30%M	0.85

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Vess Oil Corp.

Younger #1

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206
ATTN: Roger Martin

7-10-16 Rooks KS

Job Ticket: 35547

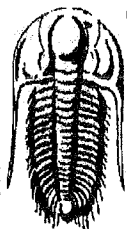
DST#: 3

Test Start: 2009.09.21 @ 16:03:02

Tool Information

Drill Pipe:	Length: 3056.00 ft	Diameter: 3.82 inches	Volume: 43.32 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			Total Volume: 43.32 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 39000.00 lb
Depth to Top Packer:	3063.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	134.00 ft			
Tool Length:	161.00 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			3037.00	
Shut In Tool	5.00			3042.00	
Hydraulic tool	5.00			3047.00	
Jars	4.00			3051.00	
Safety Joint	3.00			3054.00	
Packer	4.00			3058.00	27.00 Bottom Of Top Packer
Packer	5.00			3063.00	
Stubb	1.00			3064.00	
Perforations	7.00			3071.00	
Change Over Sub	1.00			3072.00	
Recorder	0.00	8319	Inside	3072.00	
Recorder	0.00	8369	Inside	3072.00	
Blank Spacing	94.00			3166.00	
Change Over Sub	1.00			3167.00	
Perforations	27.00			3194.00	
Bullnose	3.00			3197.00	134.00 Bottom Packers & Anchor
Total Tool Length:	161.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Vess Oil Corp.

Younger #1

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206
ATTN: Roger Martin

7-10-16 Rooks KS

Job Ticket: 35547

DST#: 3

Test Start: 2009.09.21 @ 16:03:02

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 9.15 in³

Resistivity: ohm.m

Salinity: 2000.00 ppm

Filter Cake: 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
0.00	330' GIP	0.000
40.00	GsyHOCM 15%G 35%O 50%M	0.567
60.00	GsyHOCM 40%G 30%O 30%M	0.851

Total Length: 100.00 ft

Total Volume: 1.418 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 3

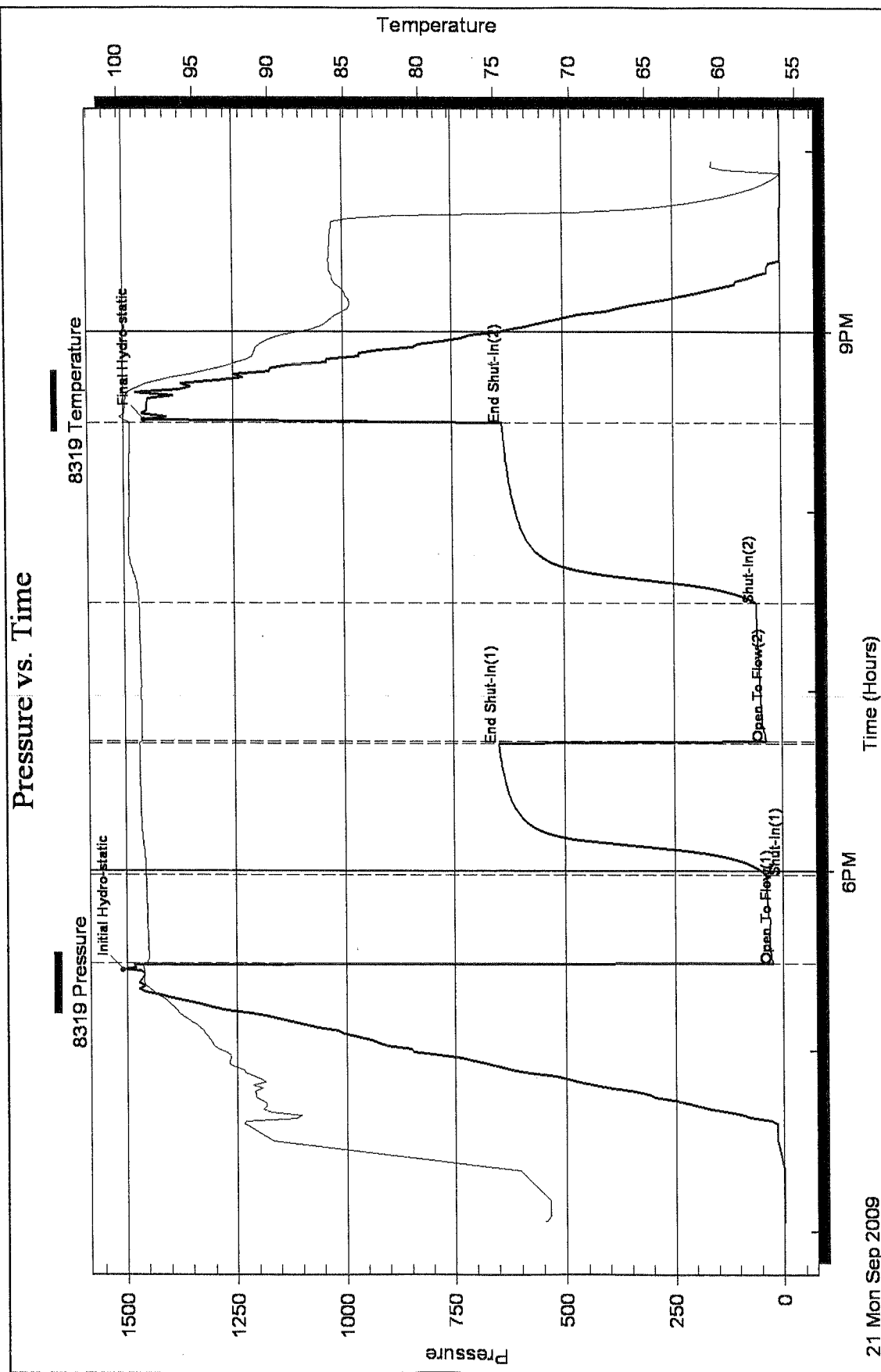
7-10-16 Rocks KS

Serial #: 8319

Inside

Vess Oil Corp.

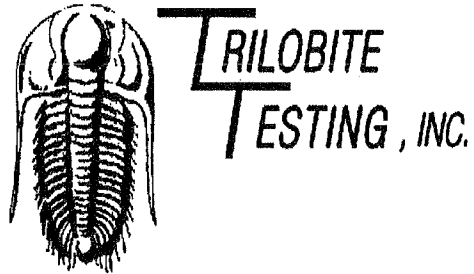
Pressure vs. Time



Ref. No: 35547

Trilobite Testing, Inc

Printed: 2009.10.01 @ 20:36:18 Page 5



DRILL STEM TEST REPORT

Prepared For: **Vess Oil Corp.**

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206

ATTN: Roger Martin

7-10-16 Rooks KS

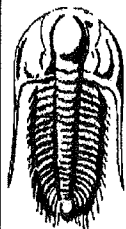
Younger #1

Start Date: 2009.09.22 @ 04:28:37

End Date: 2009.09.22 @ 10:39:37

Job Ticket #: 35548 DST #: 4

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Vess Oil Corp.

Younger #1

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206
ATTN: Roger Martin

7-10-16 Rooks KS

Job Ticket: 35548

DST#: 4

Test Start: 2009.09.22 @ 04:28:37

GENERAL INFORMATION:

Formation: **LKC "G"**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 05:57:37

Time Test Ended: 10:39:37

Test Type: **Conventional Bottom Hole**

Tester: **Kyle Kinderknecht**

Unit No: **47**

Interval: **3208.00 ft (KB) To 3219.00 ft (KB) (TVD)**

Total Depth: **3219.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **1959.00 ft (KB)**

1954.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 8319 **Inside**

Press@RunDepth: **55.97 psig @ 3209.00 ft (KB)**

Start Date: **2009.09.22**

End Date: **2009.09.22**

Capacity: **7000.00 psig**

Start Time: **04:28:42**

End Time: **10:39:36**

Last Calib.: **2009.09.22**

Time On Btm: **2009.09.22 @ 05:57:07**

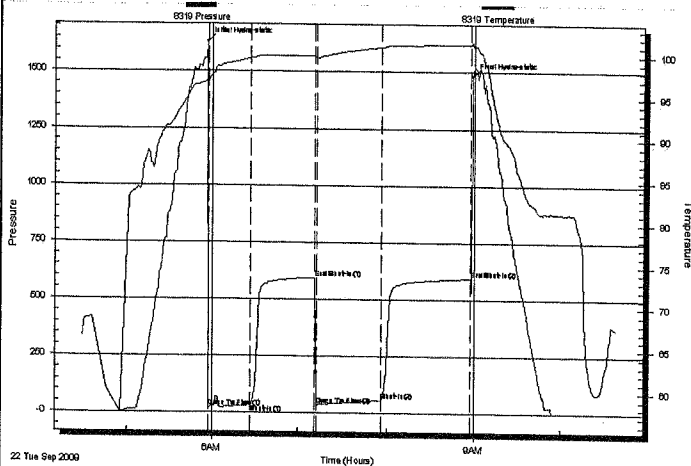
Time Off Btm: **2009.09.22 @ 08:58:37**

TEST COMMENT: **IF BOB 18 min**

FF BOB 14 min

FSI 2 1/2"

Pressure vs. Time



PRESSURE SUMMARY

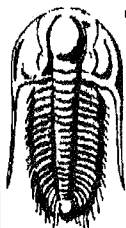
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1629.76	97.09	Initial Hydro-static
1	20.66	96.94	Open To Flow (1)
30	33.32	99.70	Shut-In (1)
74	594.66	100.00	End Shut-In (1)
75	34.28	99.82	Open To Flow (2)
119	55.97	101.02	Shut-In (2)
181	591.81	101.37	End Shut-In (2)
182	1482.70	101.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	325' GIP	0.00
50.00	GsySlitMCO 10%G 85%O 5%M	0.71
52.00	GsyMWCO 10%G 45%O 5%W 40%M	0.74
3.00	Mdy Wtr	0.04

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Vess Oil Corp.

Younger #1

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206
ATTN: Roger Martin

7-10-16 Rooks KS

Job Ticket: 35548

DST#: 4

Test Start: 2009.09.22 @ 04:28:37

Tool Information

Drill Pipe:	Length: 3184.00 ft	Diameter: 3.82 inches	Volume: 45.13 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 41000.00 lb
			Total Volume: 45.13 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 39000.00 lb
Depth to Top Packer:	3208.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	38.00 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			3182.00	
Shut In Tool	5.00			3187.00	
Hydraulic tool	5.00			3192.00	
Jars	4.00			3196.00	
Safety Joint	3.00			3199.00	
Packer	4.00			3203.00	27.00 Bottom Of Top Packer
Packer	5.00			3208.00	
Stubb	1.00			3209.00	
Recorder	0.00	8319	Inside	3209.00	
Recorder	0.00	8369	Inside	3209.00	
Perforations	7.00			3216.00	
Bullnose	3.00			3219.00	11.00 Bottom Packers & Anchor
Total Tool Length:		38.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Vess Oil Corp.

Younger #1

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206
ATTN: Roger Martin

7-10-16 Rooks KS

Job Ticket: 35548

DST#: 4

Test Start: 2009.09.22 @ 04:28:37

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 9.16 in³

Resistivity: ohm.m

Salinity: 5500.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

38 deg API

Water Salinity:

30000 ppm

ft
bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	325' GIP	0.000
50.00	GsySltMCO 10%G 85%O 5%M	0.709
52.00	GsyMMCO 10%G 45%O 5%W 40%M	0.737
3.00	Mdy Wtr	0.043

Total Length: 105.00 ft Total Volume: 1.489 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

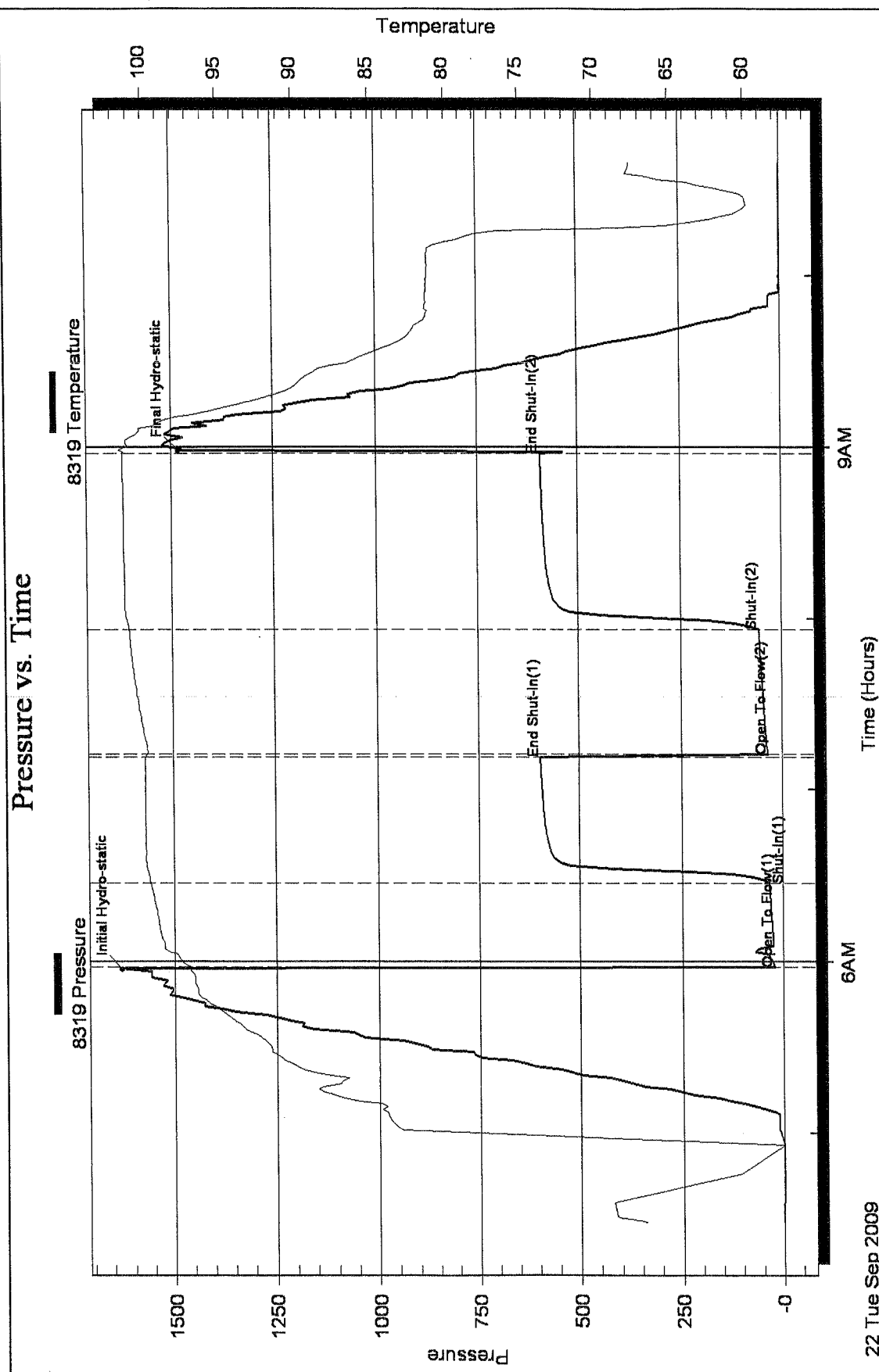
Laboratory Name:

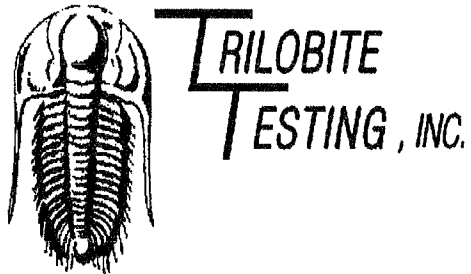
Laboratory Location:

Recovery Comments: rw .26 @ 67 deg

Oil 38 @ 60 deg

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Vess Oil Corp.**

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206

ATTN: Roger Martin

7-10-16 Rooks KS

Younger #1

Start Date: 2009.09.22 @ 21:56:58

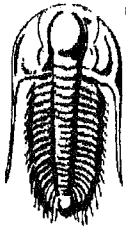
End Date: 2009.09.23 @ 05:15:58

Job Ticket #: 35549 DST #: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Vess Oil Corp.

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206
ATTN: Roger Martin

Younger #1

7-10-16 Rooks KS

Job Ticket: 35549

DST#: 5

Test Start: 2009.09.22 @ 21:56:58

GENERAL INFORMATION:

Formation: **LKC "H-J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:30:58

Time Test Ended: 05:15:58

Interval: **3232.00 ft (KB) To 3304.00 ft (KB) (TVD)**

Total Depth: 3304.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole

Tester: Kyle Kinderknecht

Unit No: 47

Reference Elevations: 1959.00 ft (KB)

1954.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8369

Inside

Press@RunDepth: 283.68 psig @ 3241.00 ft (KB)

Start Date: 2009.09.22

End Date: 2009.09.23

Start Time: 21:57:03

End Time: 05:15:57

Capacity: 7000.00 psig

Last Calib.: 2009.09.23

Time On Btm: 2009.09.22 @ 23:29:28

Time Off Btm: 2009.09.23 @ 02:33:27

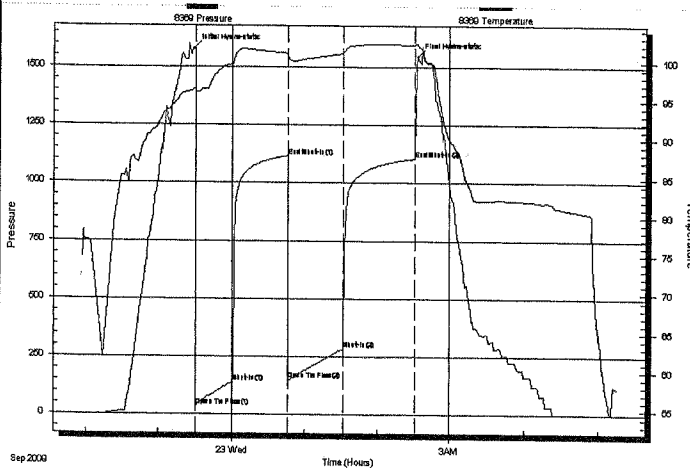
TEST COMMENT: IF BOB 4 min

ISI 8 1/2"

FF BOB 5 min

FSI 7 1/2"

Pressure vs. Time



PRESSURE SUMMARY

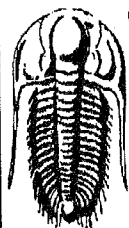
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1577.76	96.42	Initial Hydro-static
2	36.05	96.02	Open To Flow(1)
31	140.36	99.67	Shut-In(1)
76	1116.14	101.11	End Shut-In(1)
77	151.13	100.72	Open To Flow(2)
122	283.68	101.07	Shut-In(2)
182	1105.40	102.15	End Shut-In(2)
184	1544.58	102.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1136' GIP	0.00
226.00	Gsy Free Oil 30%G 70%O	3.20
496.00	GsyMCO 30%G 50%O 20%M	7.03

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
--	----------------	-----------------	------------------



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Vess Oil Corp.

Younger #1

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206
ATTN: Roger Martin

7-10-16 Rooks KS

Job Ticket: 35549

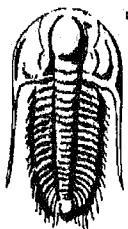
DST#: 5

Test Start: 2009.09.22 @ 21:56:58

Tool Information

Drill Pipe:	Length: 3213.00 ft	Diameter: 3.82 inches	Volume: 45.55 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			Total Volume: 45.55 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 39000.00 lb
Depth to Top Packer:	3232.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	72.00 ft			
Tool Length:	99.00 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			3206.00	
Shut In Tool	5.00			3211.00	
Hydraulic tool	5.00			3216.00	
Jars	4.00			3220.00	
Safety Joint	3.00			3223.00	
Packer	4.00			3227.00	27.00 Bottom Of Top Packer
Packer	5.00			3232.00	
Stubb	1.00			3233.00	
Perforations	7.00			3240.00	
Change Over Sub	1.00			3241.00	
Recorder	0.00	8319	Inside	3241.00	
Recorder	0.00	8369	Inside	3241.00	
Blank Spacing	31.00			3272.00	
Change Over Sub	1.00			3273.00	
Perforations	28.00			3301.00	
Bullnose	3.00			3304.00	72.00 Bottom Packers & Anchor
Total Tool Length:		99.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Vess Oil Corp.

Younger #1

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206
ATTN: Roger Martin

7-10-16 Rooks KS

Job Ticket: 35549

DST#: 5

Test Start: 2009.09.22 @ 21:56:58

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 62.00 sec/qt

Water Loss: 7.97 in³

Resistivity: ohm.m

Salinity: 5800.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

40 deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	1136' GIP	0.000
226.00	Gsy Free Oil 30%G 70%O	3.204
496.00	GsyMCO 30%G 50%O 20%M	7.031

Total Length: 722.00 ft

Total Volume: 10.235 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

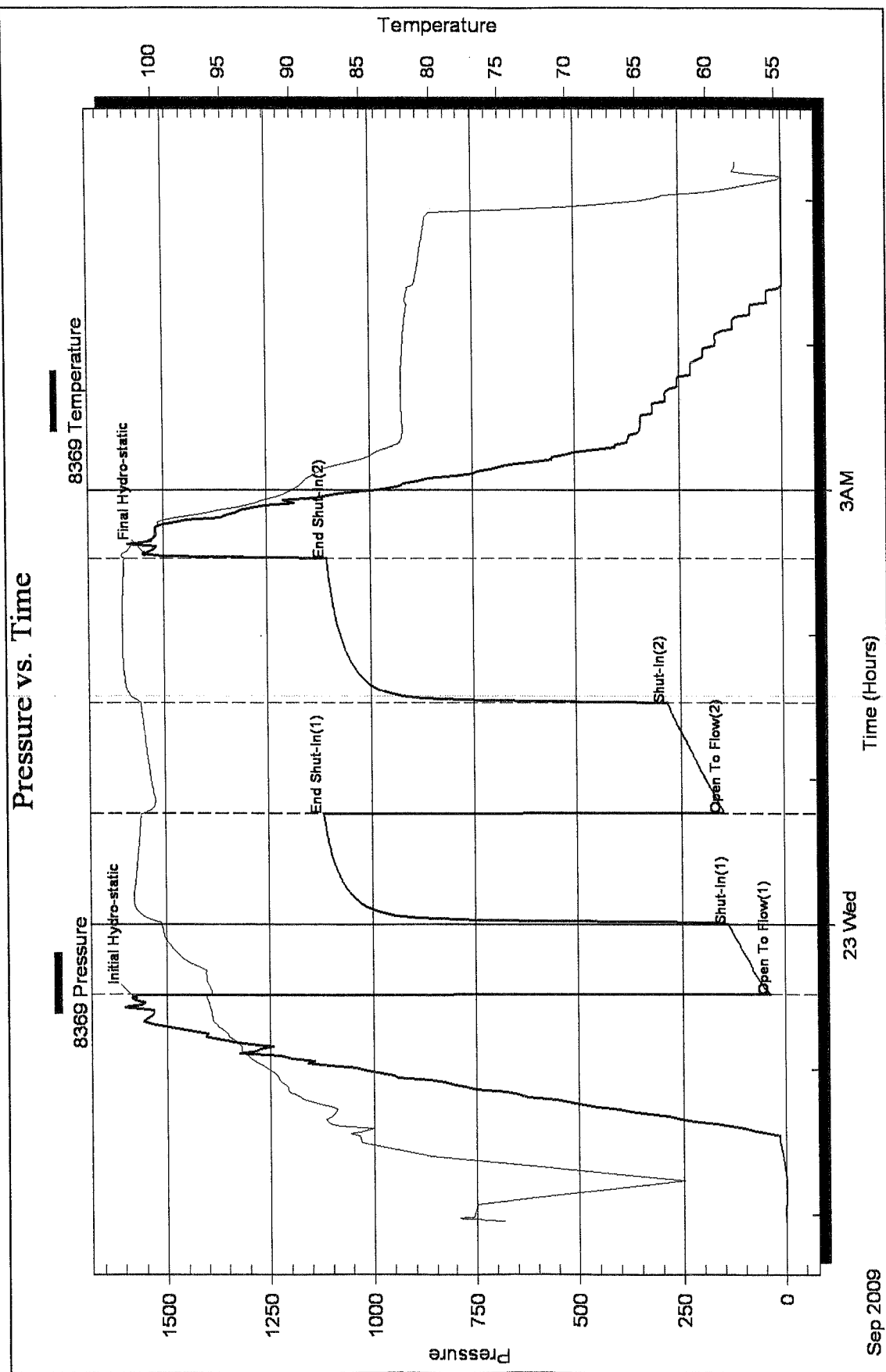
Serial #:

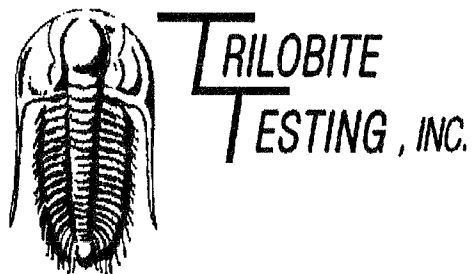
Laboratory Name:

Laboratory Location:

Recovery Comments: gravity 40 @ 60 deg

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Vess Oil Corp.**

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206

ATTN: Roger Martin

7-10-16 Rooks KS

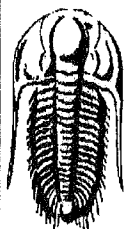
Younger #1

Start Date: 2009.09.23 @ 14:32:58

End Date: 2009.09.23 @ 20:32:58

Job Ticket #: 35550 DST #: 6

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Vess Oil Corp.

Younger #1

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206
ATTN: Roger Martin

7-10-16 Rooks KS

Job Ticket: 35550

DST#: 6

Test Start: 2009.09.23 @ 14:32:58

GENERAL INFORMATION:

Formation: **LKC "K-L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:12:58

Time Test Ended: 20:32:58

Interval: **3304.00 ft (KB) To 3350.00 ft (KB) (TVD)**

Total Depth: 3350.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole

Tester: Kyle Kinderknecht

Unit No: 47

Reference Elevations: 1959.00 ft (KB)

1954.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8319

Inside

Press@RunDepth: 20.54 psig @ 3312.00 ft (KB)

Start Date: 2009.09.23

End Date: 2009.09.23

Capacity: 7000.00 psig

Start Time: 14:33:03

End Time: 20:32:57

Last Calib.: 2009.09.23

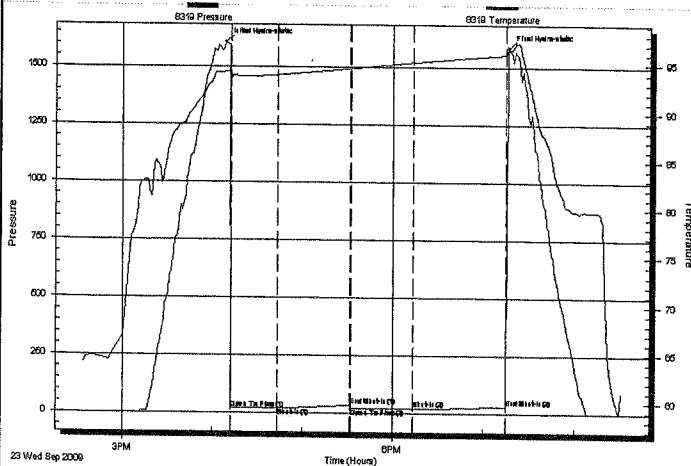
Time On Btm: 2009.09.23 @ 16:09:28

Time Off Btm: 2009.09.23 @ 19:15:58

TEST COMMENT: IF 1/4" Died 10 min

FF No blow

Pressure vs. Time



PRESSURE SUMMARY

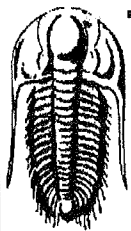
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1605.57	94.20	Initial Hydro-static
4	18.95	93.23	Open To Flow (1)
34	20.47	93.90	Shut-In (1)
83	34.54	94.59	End Shut-In (1)
83	20.37	94.59	Open To Flow (2)
124	20.54	95.21	Shut-In (2)
185	30.33	96.04	End Shut-In (2)
187	1584.66	96.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud W/Oil Spots	0.07

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Vess Oil Corp.

Younger #1

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206
ATTN: Roger Martin

7-10-16 Rooks KS

Job Ticket: 35550

DST#: 6

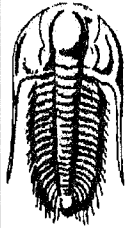
Test Start: 2009.09.23 @ 14:32:58

Tool Information

Drill Pipe:	Length: 3307.00 ft	Diameter: 3.82 inches	Volume: 46.88 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
		Total Volume: 46.88 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3304.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.00 ft			
Tool Length:	73.00 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			3278.00	
Shut In Tool	5.00			3283.00	
Hydraulic tool	5.00			3288.00	
Jars	4.00			3292.00	
Safety Joint	3.00			3295.00	
Packer	4.00			3299.00	27.00 Bottom Of Top Packer
Packer	5.00			3304.00	
Stubb	1.00			3305.00	
Perforations	7.00			3312.00	
Recorder	0.00	8319	Inside	3312.00	
Recorder	0.00	8369	Inside	3312.00	
Perforations	35.00			3347.00	
Bullnose	3.00			3350.00	46.00 Bottom Packers & Anchor

Total Tool Length: 73.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Vess Oil Corp.

Younger #1

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206
ATTN: Roger Martin

7-10-16 Rooks KS

Job Ticket: 35550

DST#: 6

Test Start: 2009.09.23 @ 14:32:58

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 59.00 sec/qt

Water Loss: 7.97 in³

Resistivity: ohm.m

Salinity: 5700.00 ppm

Filter Cake: 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	Mud W/Oil Spots	0.071

Total Length: 5.00 ft

Total Volume: 0.071 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

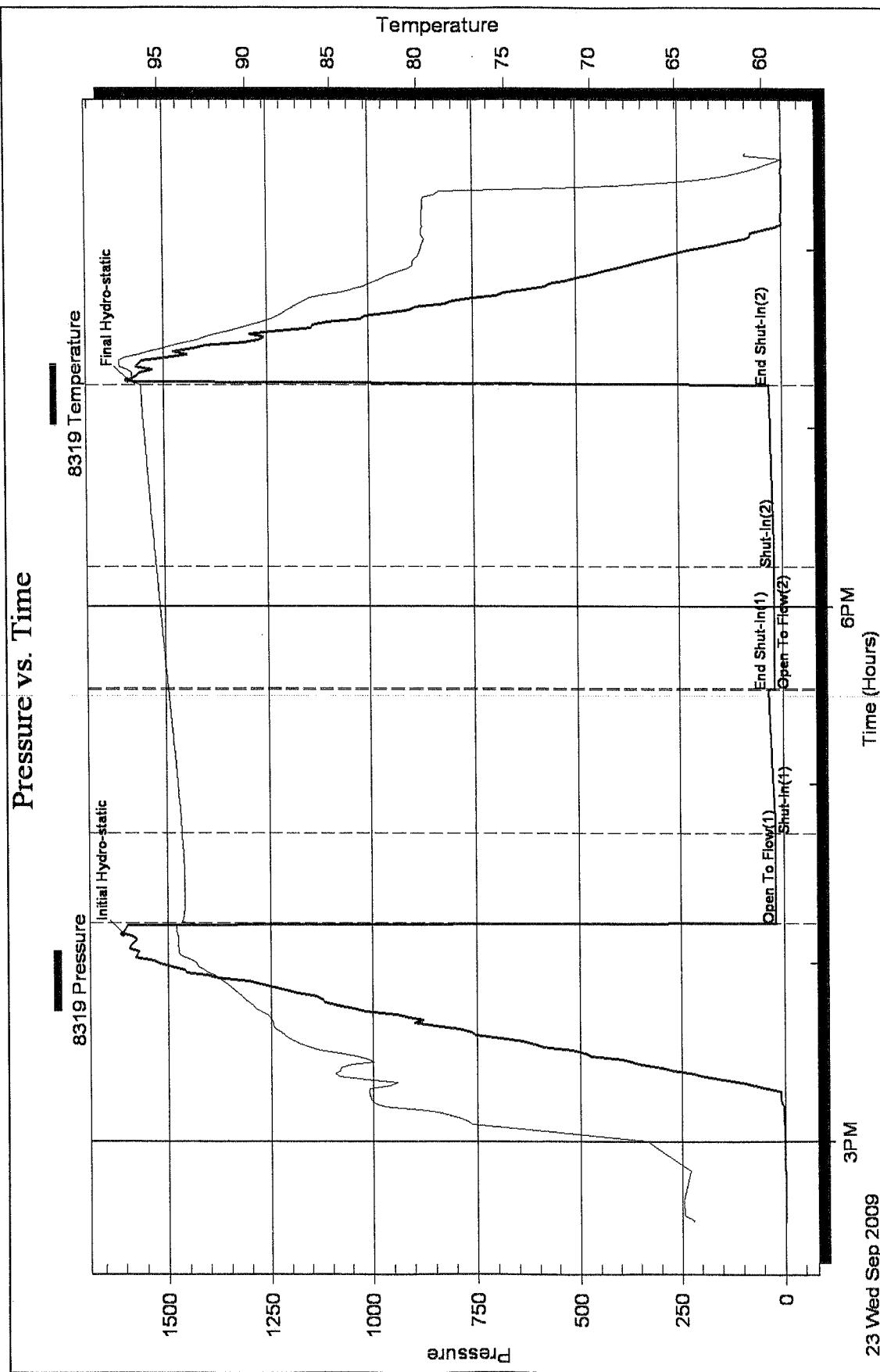
DST Test Number: 6

7-10-16 Rooks KS

Inside Vess Oil Corp.

Serial #: 8319

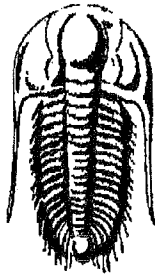
Pressure vs. Time



Ref. No: 35550

Trilobite Testing, Inc

Printed: 2009.10.01 @ 20:37:54 Page 5



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Vess Oil Corp.**

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206

ATTN: Roger Martin

7-10-16 Rooks KS

Younger #1

Start Date: 2009.09.24 @ 13:12:24

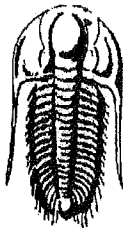
End Date: 2009.09.24 @ 18:46:24

Job Ticket #: 36576 DST #: 7

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Vess Oil Corp.

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206
ATTN: Roger Martin

Younger #1

7-10-16 Rooks KS

Job Ticket: 36576

DST#: 7

Test Start: 2009.09.24 @ 13:12:24

GENERAL INFORMATION:

Formation: **Marm-Arb**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:24:54

Time Test Ended: 18:46:24

Interval: **3348.00 ft (KB) To 3467.00 ft (KB) (TVD)**

Total Depth: 3467.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole

Tester: Kyle Kinderknecht

Unit No: 47

Reference Elevations: 1959.00 ft (KB)

1954.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8319 Inside

Press@RunDepth: 33.91 psig @ 3357.00 ft (KB)

Start Date: 2009.09.24

End Date: 2009.09.24

Start Time: 13:12:29

End Time: 18:46:23

Capacity: 7000.00 psig

Last Calib.: 2009.09.24

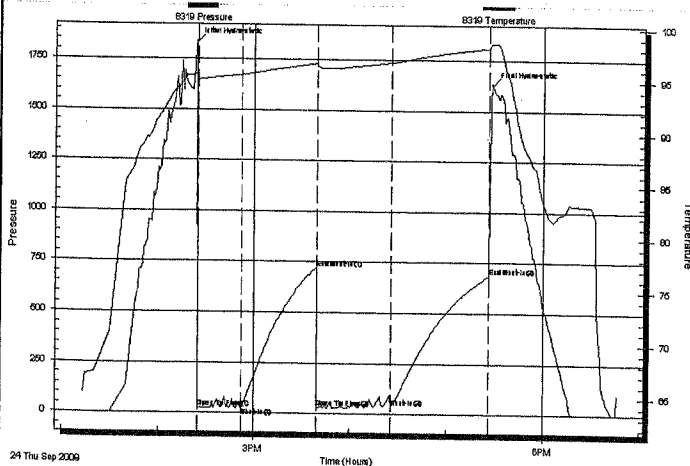
Time On Btm: 2009.09.24 @ 14:24:24

Time Off Btm: 2009.09.24 @ 17:27:54

TEST COMMENT: IF 1" Died back to 1/2"

FF Weak died 20 min

Pressure vs. Time



PRESSURE SUMMARY

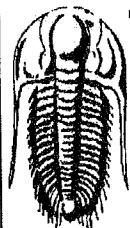
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1832.24	95.54	Initial Hydro-static
1	24.68	94.92	Open To Flow (1)
28	27.29	95.48	Shut-In (1)
75	721.12	96.60	End Shut-In (1)
76	28.47	96.30	Open To Flow (2)
121	33.91	96.69	Shut-In (2)
181	683.77	98.11	End Shut-In (2)
184	1629.10	98.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	Mud	0.35

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Vess Oil Corp.

Younger #1

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206
ATTN: Roger Martin

7-10-16 Rooks KS

Job Ticket: 36576

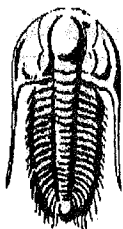
DST#: 7

Test Start: 2009.09.24 @ 13:12:24

Tool Information

Drill Pipe:	Length: 3338.00 ft	Diameter: 3.82 inches	Volume: 47.32 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			Total Volume: 47.32 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 41000.00 lb
Depth to Top Packer:	3348.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	119.00 ft			
Tool Length:	146.00 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			3322.00	
Shut In Tool	5.00			3327.00	
Hydraulic tool	5.00			3332.00	
Jars	4.00			3336.00	
Safety Joint	3.00			3339.00	
Packer	4.00			3343.00	27.00 Bottom Of Top Packer
Packer	5.00			3348.00	
Stubb	1.00			3349.00	
Perforations	7.00			3356.00	
Change Over Sub	1.00			3357.00	
Recorder	0.00	8319	Inside	3357.00	
Recorder	0.00	8369	Inside	3357.00	
Blank Spacing	94.00			3451.00	
Change Over Sub	1.00			3452.00	
Perforations	12.00			3464.00	
Bullnose	3.00			3467.00	119.00 Bottom Packers & Anchor
Total Tool Length:	146.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Vess Oil Corp.

Younger #1

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206
ATTN: Roger Martin

7-10-16 Rooks KS

Job Ticket: 36576

DST#: 7

Test Start: 2009.09.24 @ 13:12:24

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 8.38 in³

Resistivity: ohm.m

Salinity: 5700.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	Mud	0.354

Total Length: 25.00 ft

Total Volume: 0.354 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

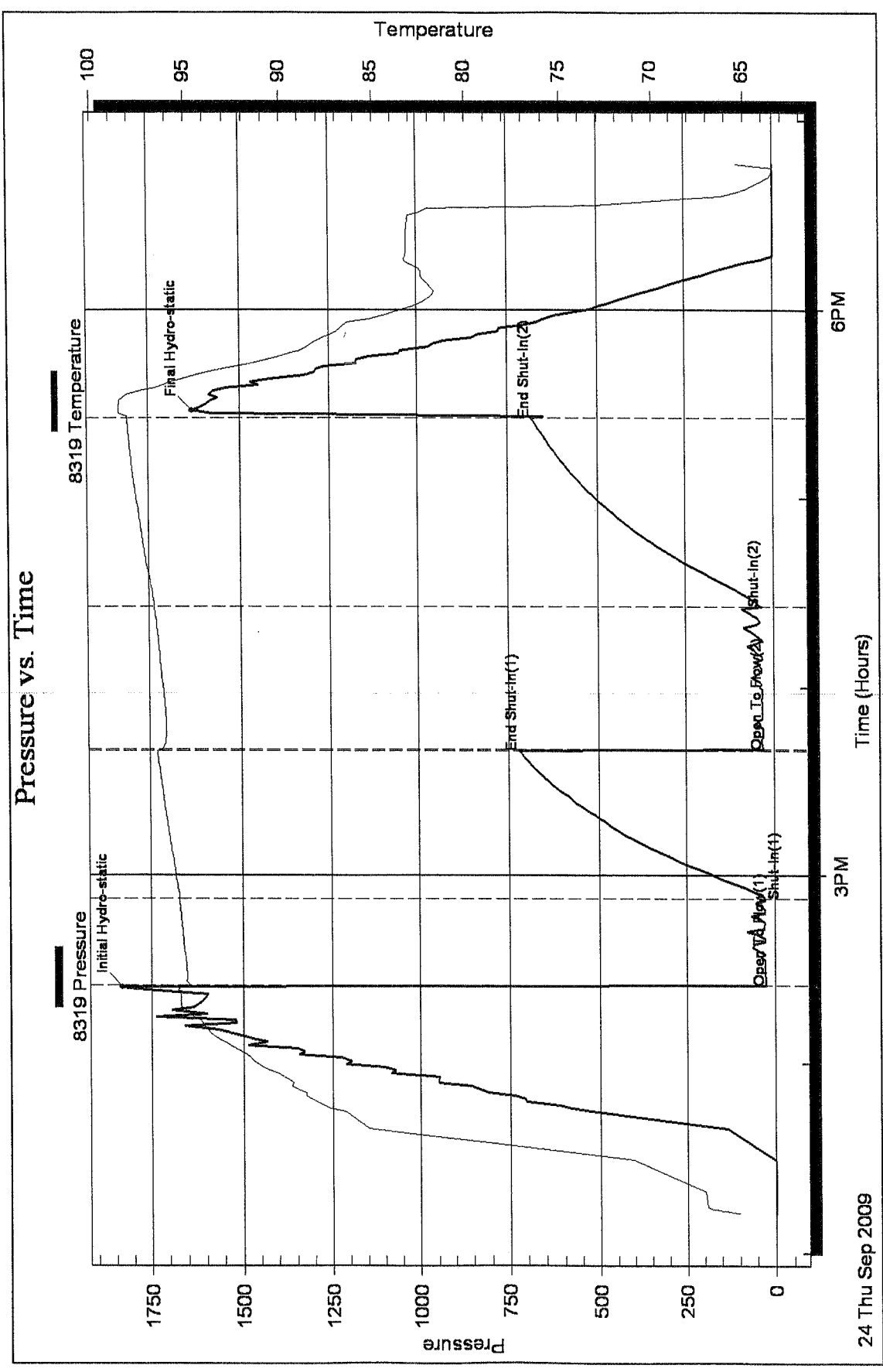
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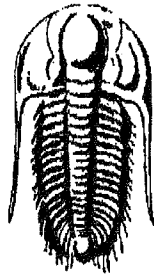
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Vess Oil Corp.**

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206

ATTN: Roger Martin

7-10-16 Rooks KS

Younger #1

Start Date: 2009.09.25 @ 01:26:51

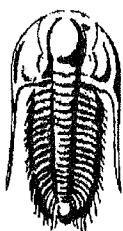
End Date: 2009.09.25 @ 07:57:21

Job Ticket #: 36577 DST #: 8

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Vess Oil Corp.

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206
ATTN: Roger Martin

Younger #1

7-10-16 Rooks KS

Job Ticket: 36577

DST#: 8

Test Start: 2009.09.25 @ 01:26:51

GENERAL INFORMATION:

Formation: **Arb**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:24:21

Time Test Ended: 07:57:21

Test Type: Conventional Bottom Hole

Tester: Kyle Kinderknecht

Unit No: 47

Interval: **3349.00 ft (KB) To 3474.00 ft (KB) (TVD)**

Total Depth: 3474.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1959.00 ft (KB)

1954.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8319 Inside

Press@RunDepth: 43.49 psig @ 3358.00 ft (KB)

Start Date: 2009.09.25

End Date: 2009.09.25

Start Time: 01:26:56

End Time: 07:57:20

Capacity: 7000.00 psig

Last Calib.: 2009.09.25

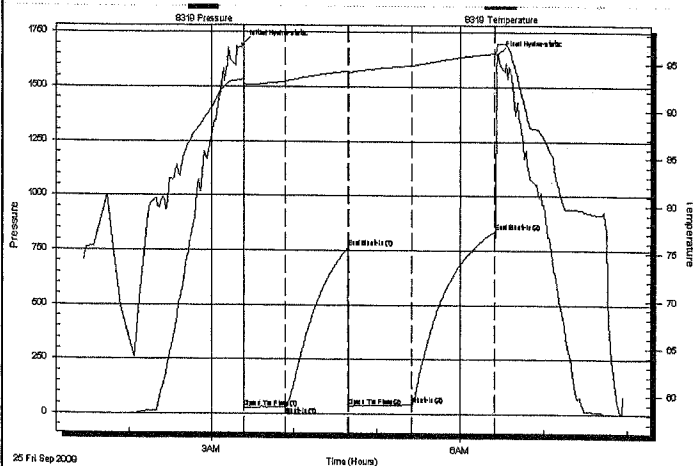
Time On Btm: 2009.09.25 @ 03:23:21

Time Off Btm: 2009.09.25 @ 06:26:50

TEST COMMENT: IF 2 1/2"

FF 1"

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1692.49	93.35	Initial Hydro-static
1	26.39	92.91	Open To Flow (1)
31	32.19	93.12	Shut-In (1)
76	762.51	94.20	End Shut-In (1)
76	35.15	93.83	Open To Flow (2)
122	43.49	94.78	Shut-In (2)
181	836.55	96.07	End Shut-In (2)
184	1649.70	97.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	SitOCM 2%O 98%M	0.64

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Vess Oil Corp.

Younger #1

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206
ATTN: Roger Martin

7-10-16 Rooks KS

Job Ticket: 36577

DST#: 8

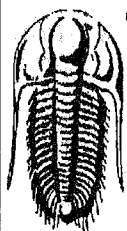
Test Start: 2009.09.25 @ 01:26:51

Tool Information

Drill Pipe:	Length: 3338.00 ft	Diameter: 3.82 inches	Volume: 47.32 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
		Total Volume: 47.32 bbl		Tool Chased 2.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 41000.00 lb
Depth to Top Packer:	3349.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	125.00 ft			
Tool Length:	152.00 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			3323.00	
Shut In Tool	5.00			3328.00	
Hydraulic tool	5.00			3333.00	
Jars	4.00			3337.00	
Safety Joint	3.00			3340.00	
Packer	4.00			3344.00	27.00 Bottom Of Top Packer
Packer	5.00			3349.00	
Stubb	1.00			3350.00	
Perforations	7.00			3357.00	
Change Over Sub	1.00			3358.00	
Recorder	0.00	8319	Inside	3358.00	
Recorder	0.00	8369	Inside	3358.00	
Blank Spacing	94.00			3452.00	
Change Over Sub	1.00			3453.00	
Perforations	18.00			3471.00	
Bullnose	3.00			3474.00	125.00 Bottom Packers & Anchor
Total Tool Length:	152.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Vess Oil Corp.

Younger #1

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206
ATTN: Roger Martin

7-10-16 Rooks KS

Job Ticket: 36577

DST#: 8

Test Start: 2009.09.25 @ 01:26:51

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 8.38 in³

Resistivity: ohm.m

Salinity: 5700.00 ppm

Filter Cake: 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
45.00	SitOCM 2%O 98%M	0.638

Total Length: 45.00 ft

Total Volume: 0.638 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

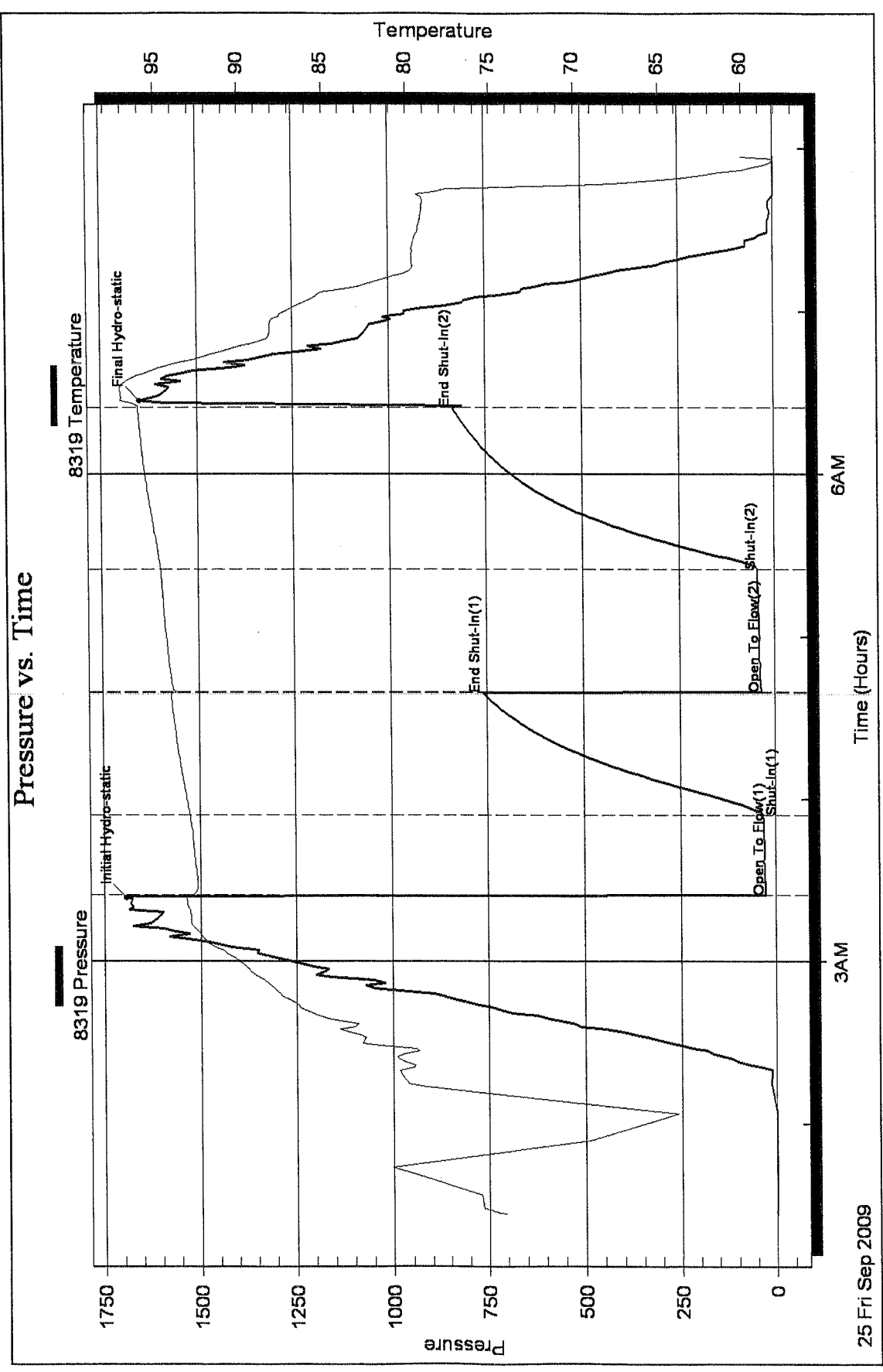
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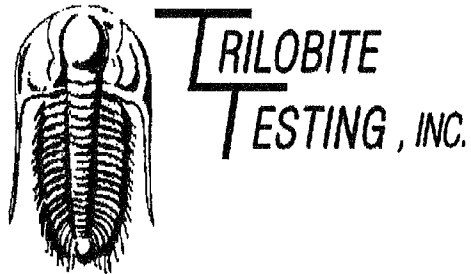
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Vess Oil Corp.**

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206

ATTN: Roger Martin

7-10-16 Rooks KS

Younger #1

Start Date: 2009.09.25 @ 15:24:05

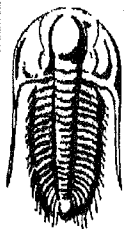
End Date: 2009.09.25 @ 22:34:05

Job Ticket #: 36578 DST #: 9

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Vess Oil Corp.

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206
ATTN: Roger Martin

Younger #1

7-10-16 Rooks KS

Job Ticket: 36578

DST#: 9

Test Start: 2009.09.25 @ 15:24:05

GENERAL INFORMATION:

Formation: **Arb**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:18:35

Time Test Ended: 22:34:05

Interval: **3473.00 ft (KB) To 3483.00 ft (KB) (TVD)**

Total Depth: 2885.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole

Tester: Kyle Kinderknecht

Unit No: 47

Reference Elevations: 1959.00 ft (KB)

1954.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8319

Inside

Press@RunDepth: 186.87 psig @ 3476.00 ft (KB)

Start Date: 2009.09.25

End Date: 2009.09.25

Capacity: 7000.00 psig

Start Time: 15:24:10

End Time: 22:34:04

Last Calib.: 2009.09.25

Time On Btm: 2009.09.25 @ 17:17:35

Time Off Btm: 2009.09.25 @ 20:24:35

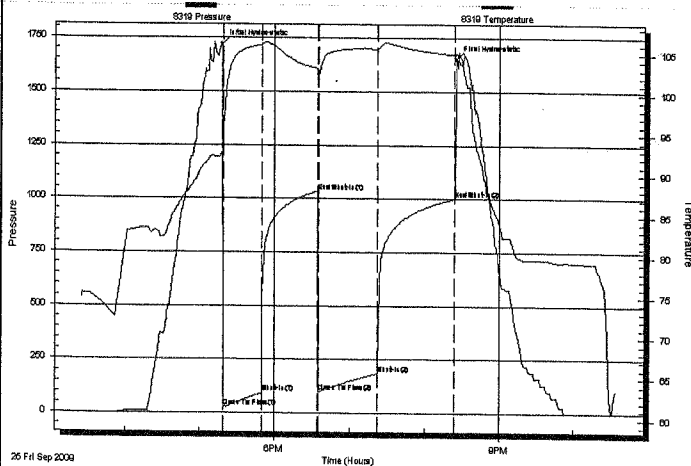
TEST COMMENT: IF BOB 6 min

ISI 2 1/2"

FF BOB 8 min

FSI 1 1/2

Pressure vs. Time



PRESSURE SUMMARY

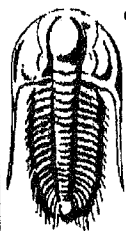
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1720.46	92.89	Initial Hydro-static
1	28.27	93.96	Open To Flow (1)
32	93.58	106.04	Shut-In (1)
77	1033.96	103.16	End Shut-In (1)
77	99.55	102.69	Open To Flow (2)
125	186.87	105.54	Shut-In (2)
186	999.66	104.88	End Shut-In (2)
187	1651.38	105.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	350' GIP	0.00
455.00	Gsy Free Oil 30%G 70%O	6.45
15.00	GsyMCO 30%G 50%O 20%M	0.21

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Vess Oil Corp.

Younger #1

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206
ATTN: Roger Martin

7-10-16 Rooks KS

Job Ticket: 36578

DST#: 9

Test Start: 2009.09.25 @ 15:24:05

Tool Information

Drill Pipe:	Length: 3466.00 ft	Diameter: 3.82 inches	Volume: 49.13 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			Total Volume: 49.13 bbl	Tool Chased 1.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3473.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	37.00 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			3447.00	
Shut In Tool	5.00			3452.00	
Hydraulic tool	5.00			3457.00	
Jars	4.00			3461.00	
Safety Joint	3.00			3464.00	
Packer	4.00			3468.00	27.00 Bottom Of Top Packer
Packer	5.00			3473.00	
Stubb	1.00			3474.00	
Perforations	2.00			3476.00	
Recorder	0.00	8319	Inside	3476.00	
Recorder	0.00	8369	Inside	3476.00	
Perforations	4.00			3480.00	
Bullnose	3.00			3483.00	10.00 Bottom Packers & Anchor
Total Tool Length:		37.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Vess Oil Corp.

Younger #1

1700 Waterfront Pkwy
Bldg 500
Wichita, KS 67206
ATTN: Roger Martin

7-10-16 Rooks KS

Job Ticket: 36578

DST#: 9

Test Start: 2009.09.25 @ 15:24:05

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 59.00 sec/qt

Water Loss: 8.78 in³

Resistivity: ohm.m

Salinity: 5800.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

37 deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	350' GIP	0.000
455.00	Gsy Free Oil 30%G 70%O	6.450
15.00	GsyMCO 30%G 50%O 20%M	0.213

Total Length: 470.00 ft

Total Volume: 6.663 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: gravity 37 @ 60 deg

Pressure vs. Time

