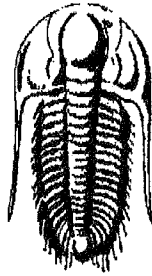


15-109-20848

8-13s-32w

IND



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co.**

202 W Main St.
Salem, IL 62881

ATTN: Steve Davis

8-13s-32w Logan KS

Campbell #1-8

Start Date: 2009.08.11 @ 01:01:05

End Date: 2009.08.11 @ 09:15:44

Job Ticket #: 34800 DST #: 1

RECEIVED
SEP 25 2009
KCC WICHITA

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

Shakespeare Oil Co.

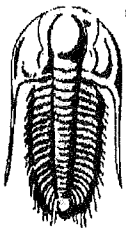
Campbell #1-8

8-13s-32w Logan KS

DST # 1

Lans "A-B"

2009.08.11



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co.
202 W Main St.
Salem, IL 62881
ATTN: Steve Davis

Campbell #1-8
8-13s-32w Logan KS
Job Ticket: 34800 **DST#: 1**
Test Start: 2009.08.11 @ 01:01:05

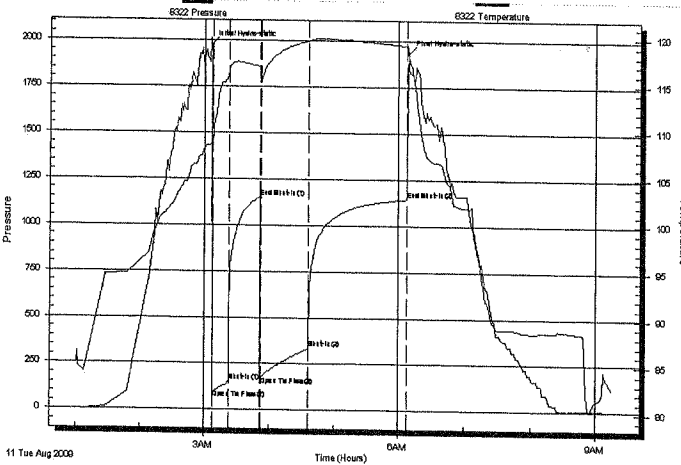
GENERAL INFORMATION:

Formation: **Lans "A-B"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:07:45
Time Test Ended: 09:15:44
Interval: **3962.00 ft (KB) To 4015.00 ft (KB) (TVD)**
Total Depth: 4015.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Brandon Domsch
Unit No: 48
Reference Elevations: 2982.00 ft (KB)
2977.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8322 Inside
Press@RunDepth: 334.74 psig @ 3963.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2009.08.11 End Date: 2009.08.11 Last Callb.: 2009.08.11
Start Time: 01:01:05 End Time: 09:15:44 Time On Btm: 2009.08.11 @ 03:06:15
Time Off Btm: 2009.08.11 @ 06:09:14

TEST COMMENT: IF: BOB in 4 mins.
IS: Built to 6 1/4 inches died back to 5 inches.
FF: BOB in 4 mins.
FS: Built to 2 inches died in 34 mins.

Pressure vs. Time



PRESSURE SUMMARY

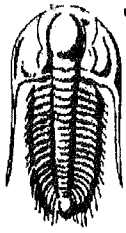
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1976.08	108.53	Initial Hydro-static
2	59.94	108.15	Open To Flow (1)
16	154.95	116.23	Shut-In(1)
45	1151.61	116.95	End Shut-In(1)
46	176.99	116.54	Open To Flow (2)
91	334.74	119.62	Shut-In(2)
182	1143.93	119.17	End Shut-In(2)
183	1931.58	118.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	GO&WCM 10%g 25%o 15%w 50%m	0.61
186.00	MCO&G 20%g 60%o 20%m	2.60
527.00	CGO 30%g 70%o	7.39
0.00	GIP = 403 ft	0.00
0.00	API = 36@ 80F = 34	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co.

Campbell #1-8

202 W Main St.
Salem, IL 62881

8-13s-32w Logan KS

Job Ticket: 34800

DST#: 1

ATTN: Steve Davis

Test Start: 2009.08.11 @ 01:01:05

Tool Information

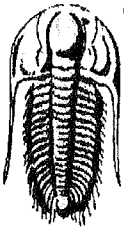
Drill Pipe:	Length: 3831.00 ft	Diameter: 3.80 inches	Volume: 53.74 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 125.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 54.35 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3962.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	53.00 ft			
Tool Length:	81.00 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			3935.00	
Shut In Tool	5.00			3940.00	
Hydraulic tool	5.00			3945.00	
Jars	5.00			3950.00	
Safety Joint	3.00			3953.00	
Packer	5.00			3958.00	28.00 Bottom Of Top Packer
Packer	4.00			3962.00	
Stubb	1.00			3963.00	
Recorder	0.00	8322	Inside	3963.00	
Recorder	0.00	6741	Inside	3963.00	
Perforations	14.00			3977.00	
Change Over Sub	1.00			3978.00	
Drill Pipe	31.00			4009.00	
Change Over Sub	1.00			4010.00	
Bullnose	5.00			4015.00	53.00 Bottom Packers & Anchor

Total Tool Length: 81.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.

Campbell #1-8

202 W Main St.
Salem, IL 62881

8-13s-32w Logan KS

ATTN: Steve Davis

Job Ticket: 34800

DST#: 1

Test Start: 2009.08.11 @ 01:01:05

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 7.91 in³

Resistivity: 0.00 ohm.m

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

34 deg API

Water Salinity:

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	GO&WCM 10%g 25%o 15%w 50%m	0.610
186.00	MCO&G 20%g 60%o 20%m	2.600
527.00	CGO 30%g 70%o	7.392
0.00	GIP = 403 ft	0.000
0.00	API = 36 @ 80F = 34	0.000

Total Length: 837.00 ft

Total Volume: 10.602 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

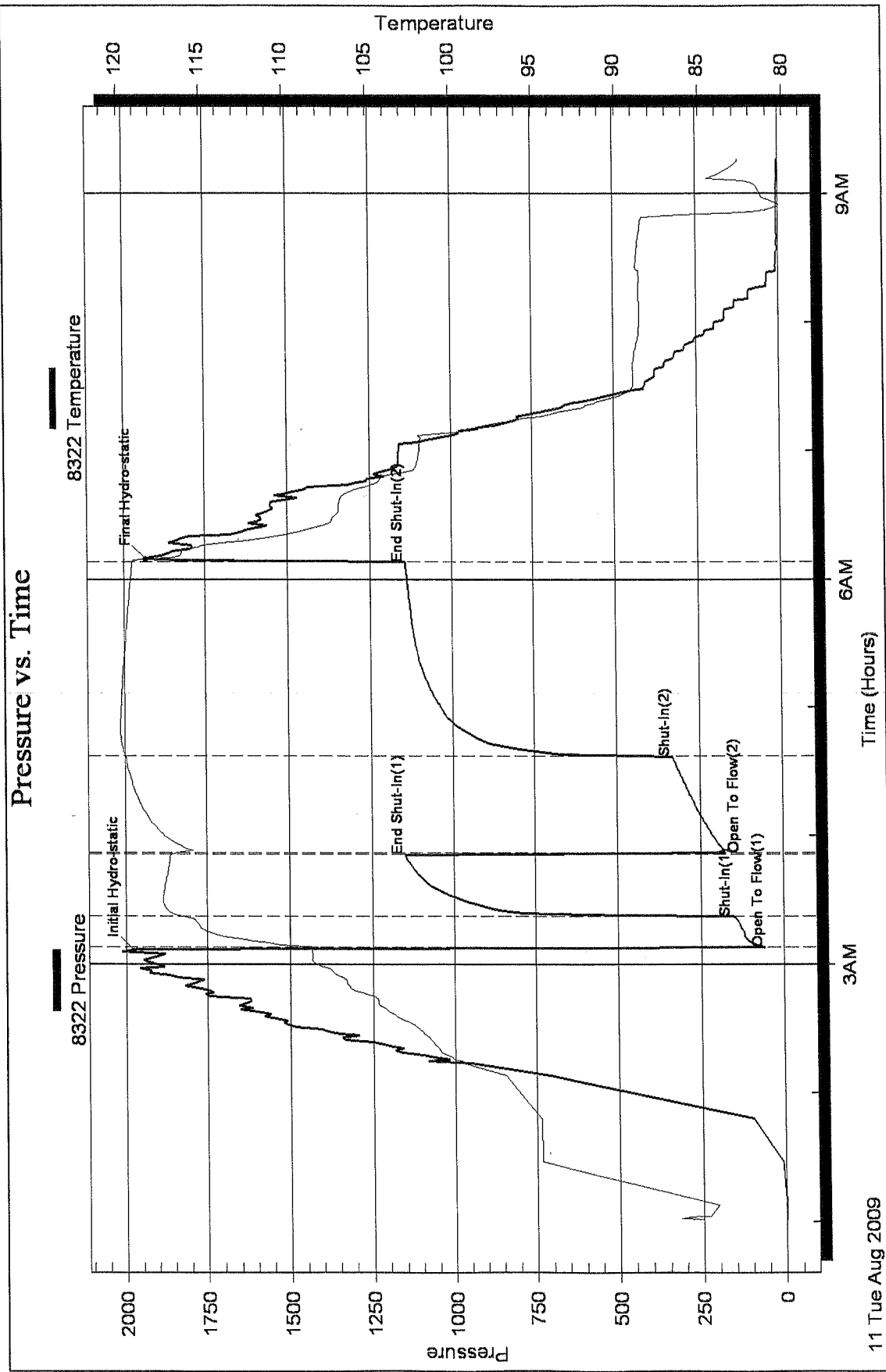
Serial #:

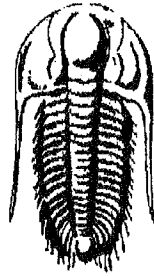
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co.**

202 W Main St.
Salem, IL 62881

ATTN: Steve Davis

8-13s-32w Logan KS

Campbell #1-8

Start Date: 2009.08.11 @ 16:36:05

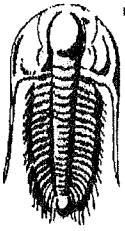
End Date: 2009.08.11 @ 22:00:59

Job Ticket #: 35351 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

Shakespeare Oil Co.

202 W Main St.
Salem, IL 62881

ATTN: Steve Davis

Campbell #1-8

8-13s-32w Logan KS

Job Ticket: 35351

DST#: 2

Test Start: 2009.08.11 @ 16:36:05

GENERAL INFORMATION:

Formation: **Lans. "E-F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:46:30

Time Test Ended: 22:00:59

Test Type: Conventional Bottom Hole

Tester: Brandon Domsch

Unit No: 48

Interval: **4030.00 ft (KB) To 4050.00 ft (KB) (TVD)**

Total Depth: 4050.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2982.00 ft (KB)

2977.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8322 Inside

Press@RunDepth: 29.00 psig @ 4031.00 ft (KB)

Start Date: 2009.08.11 End Date: 2009.08.11

Start Time: 16:36:05 End Time: 22:00:59

Capacity: 7000.00 psig

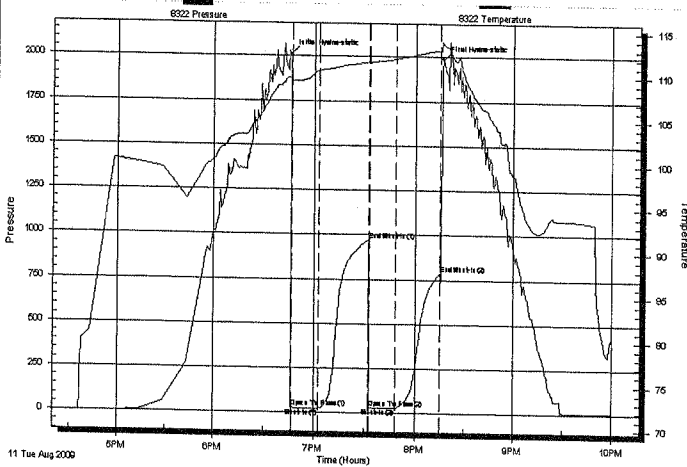
Last Calib.: 2009.08.11

Time On Btm: 2009.08.11 @ 18:46:15

Time Off Btm: 2009.08.11 @ 20:16:45

TEST COMMENT: IF: Built to 3/4 inch died to 1/4 inch.
IS: No return.
FF: Weak surface blow for 5 mins.
FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

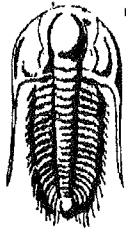
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2010.98	109.72	Initial Hydro-static
1	25.99	109.17	Open To Flow (1)
17	24.52	110.63	Shut-In(1)
46	970.91	111.62	End Shut-In(1)
47	30.74	111.52	Open To Flow (2)
62	29.00	111.99	Shut-In(2)
89	785.13	113.00	End Shut-In(2)
91	1986.04	113.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	SOCM 3% @ 97% m	0.05
0.00	GIP = 0	0.00
0.00	API = N/A	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co.

Campbell #1-8

202 W Main St.
Salem, IL 62881

8-13s-32w Logan KS

Job Ticket: 35351

DST#: 2

ATTN: Steve Davis

Test Start: 2009.08.11 @ 16:36:05

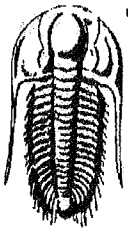
Tool Information

Drill Pipe:	Length: 3893.00 ft	Diameter: 3.80 inches	Volume: 54.61 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 125.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 55.22 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4030.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	48.00 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			4003.00	
Shut In Tool	5.00			4008.00	
Hydraulic tool	5.00			4013.00	
Jars	5.00			4018.00	
Safety Joint	3.00			4021.00	
Packer	5.00			4026.00	28.00 Bottom Of Top Packer
Packer	4.00			4030.00	
Stubb	1.00			4031.00	
Recorder	0.00	8322	Inside	4031.00	
Recorder	0.00	6741	Inside	4031.00	
Perforations	14.00			4045.00	
Bullnose	5.00			4050.00	20.00 Bottom Packers & Anchor

Total Tool Length: 48.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.

Campbell #1-8

202 W Main St.
Salem, IL 62881

8-13s-32w Logan KS

ATTN: Steve Davis

Job Ticket: 35351

DST#: 2

Test Start: 2009.08.11 @ 16:36:05

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 9.11 in³

Resistivity: 0.00 ohm.m

Salinity: 3100.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: ppm

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	SOCM 3%o 97% _m	0.049
0.00	GIP = 0	0.000
0.00	API = N/A	0.000

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

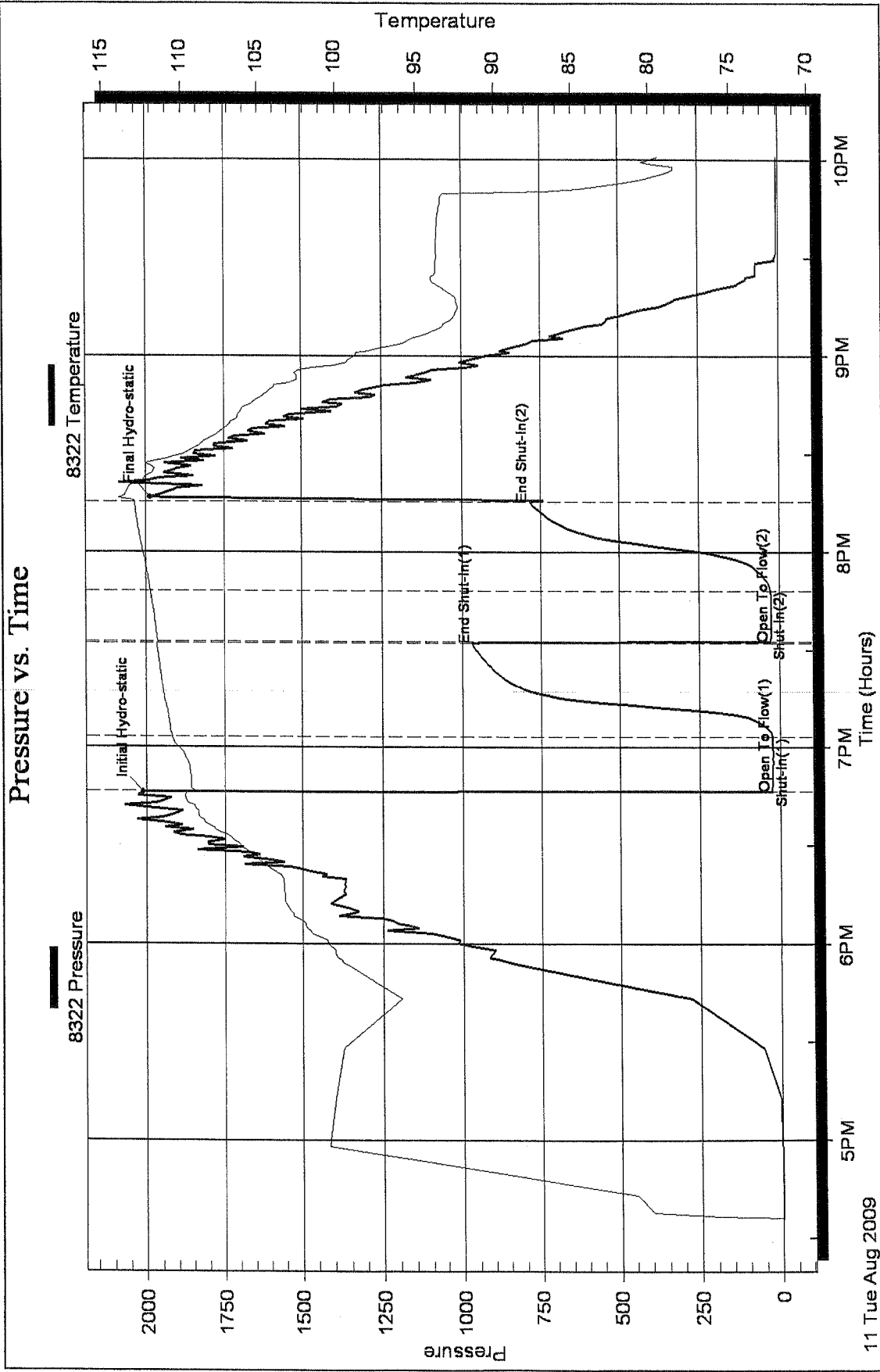
Serial #:

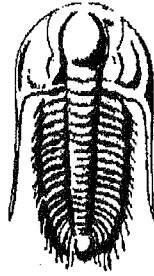
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co.**

202 W Main St.
Salem, IL 62881

ATTN: Steve Davis

8-13s-32w Logan KS

Campbell #1-8

Start Date: 2009.08.12 @ 07:59:05

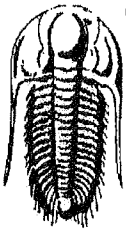
End Date: 2009.08.12 @ 13:30:29

Job Ticket #: 35352 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

Shakespeare Oil Co.

202 W Main St.
Salem, IL 62881

ATTN: Steve Davis

Campbell #1-8

8-13s-32w Logan KS

Job Ticket: 35352

DST#: 3

Test Start: 2009.08.12 @ 07:59:05

GENERAL INFORMATION:

Formation: **Lans. "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:08:15

Time Test Ended: 13:30:29

Test Type: Conventional Bottom Hole

Tester: Brandon Domsch

Unit No: 48

Interval: **4105.00 ft (KB) To 4140.00 ft (KB) (TVD)**

Total Depth: 4140.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2982.00 ft (KB)

2977.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8322 Inside

Press@RunDepth: 28.09 psig @ 4106.00 ft (KB)

Start Date: 2009.08.12

End Date: 2009.08.12

Start Time: 07:59:05

End Time: 13:30:29

Capacity: 7000.00 psig

Last Calib.: 2009.08.12

Time On Btm: 2009.08.12 @ 10:07:45

Time Off Btm: 2009.08.12 @ 11:42:30

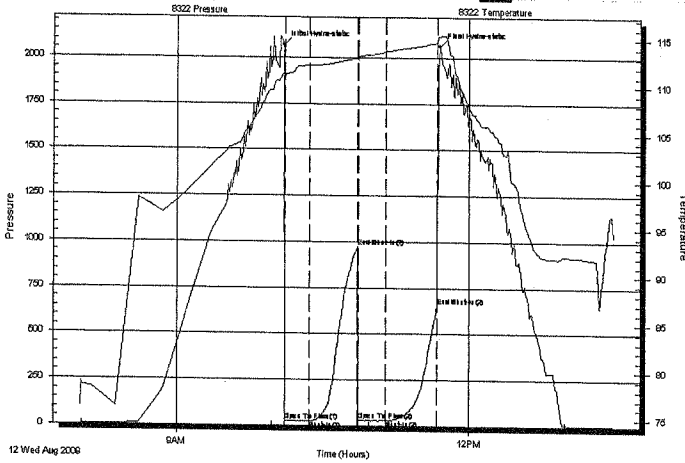
TEST COMMENT: IF: 1/2 inch blow died back to weak surface blow.

IS: No return.

FF: No blow.

FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

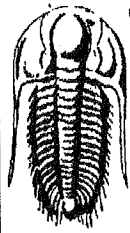
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2068.14	111.42	Initial Hydro-static
1	27.69	111.10	Open To Flow (1)
16	24.68	112.24	Shut-In(1)
46	973.92	113.02	End Shut-In(1)
46	30.37	112.91	Open To Flow (2)
63	28.09	113.71	Shut-In(2)
94	652.11	114.73	End Shut-In(2)
95	2062.88	115.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	O Spotted M 100% m	0.05
0.00	GIP = 0	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co.

Campbell #1-8

202 W Main St.
Salem, IL 62881

8-13s-32w Logan KS

Job Ticket: 35352

DST#: 3

ATTN: Steve Davis

Test Start: 2009.08.12 @ 07:59:05

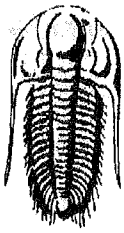
Tool Information

Drill Pipe:	Length: 3956.00 ft	Diameter: 3.80 inches	Volume: 55.49 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 125.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 70000.00 lb
			Total Volume: 56.10 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4105.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	63.00 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			4078.00	
Shut In Tool	5.00			4083.00	
Hydraulic tool	5.00			4088.00	
Jars	5.00			4093.00	
Safety Joint	3.00			4096.00	
Packer	5.00			4101.00	28.00 Bottom Of Top Packer
Packer	4.00			4105.00	
Stubb	1.00			4106.00	
Recorder	0.00	8322	Inside	4106.00	
Recorder	0.00	6741	Inside	4106.00	
Perforations	29.00			4135.00	
Bullnose	5.00			4140.00	35.00 Bottom Packers & Anchor

Total Tool Length: 63.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.

Campbell #1-8

202 W Main St.
Salem, IL 62881

8-13s-32w Logan KS

ATTN: Steve Davis

Job Ticket: 35352

DST#: 3

Test Start: 2009.08.12 @ 07:59:05

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 9.13 in³

Resistivity: 0.00 ohm.m

Salinity: 3100.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: ppm

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	O Spotted M 100% _m	0.049
0.00	GIP = 0	0.000

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

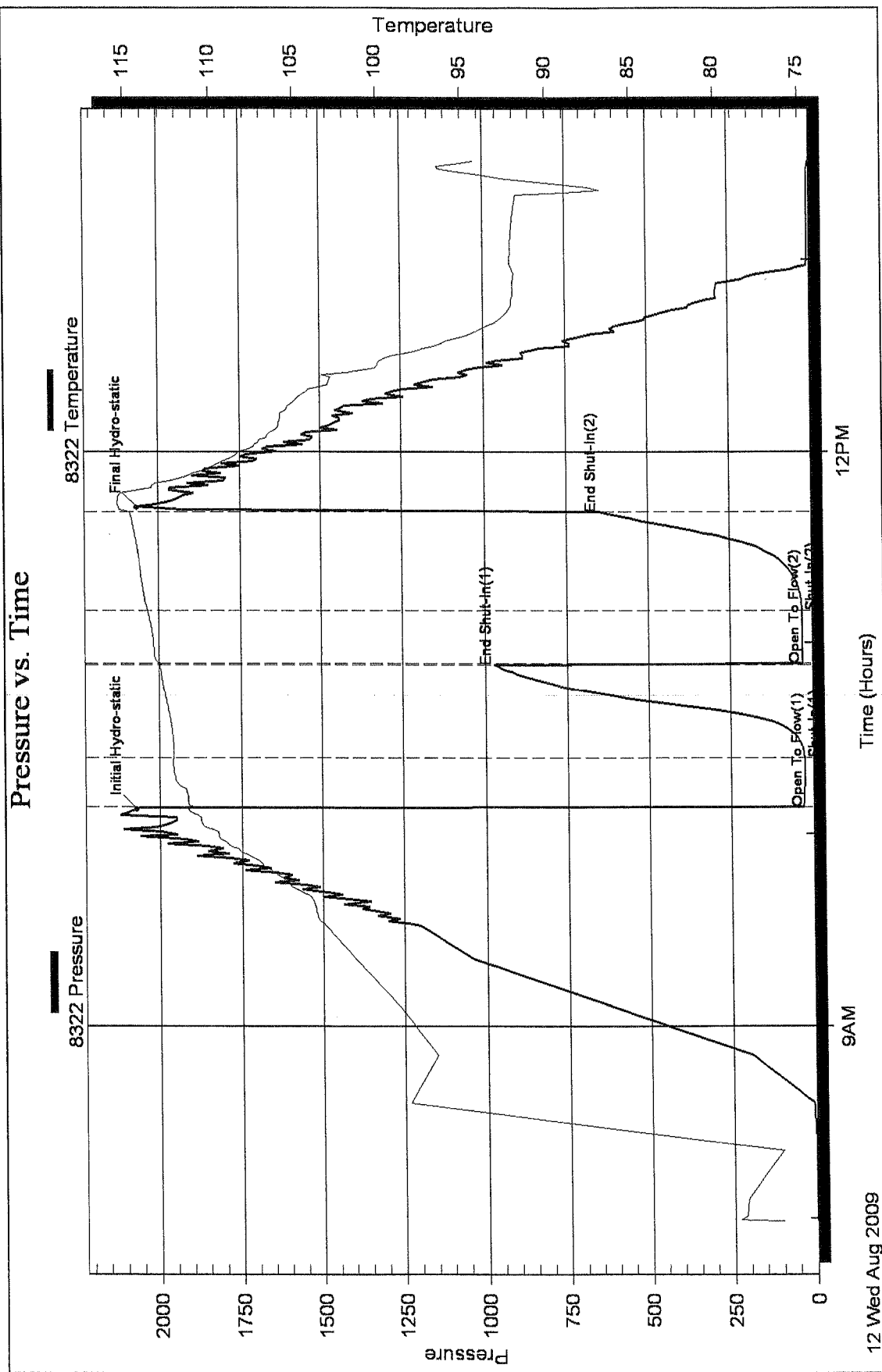
Serial #:

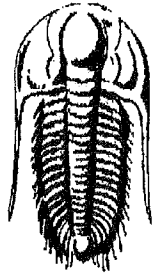
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co.**

202 W Main St.
Salem, IL 62881

ATTN: Steve Davis

8-13s-32w Logan KS

Campbell #1-8

Start Date: 2009.08.12 @ 21:58:05

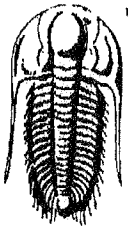
End Date: 2009.08.13 @ 05:30:29

Job Ticket #: 35353 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

Shakespeare Oil Co.

202 W Main St.
Salem, IL 62881

ATTN: Steve Davis

Campbell #1-8

8-13s-32w Logan KS

Job Ticket: 35353

DST#: 4

Test Start: 2009.08.12 @ 21:58:05

GENERAL INFORMATION:

Formation: **Lans, "I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:59:45

Time Test Ended: 05:30:29

Test Type: Conventional Bottom Hole

Tester: Brandon Domsch

Unit No: 48

Interval: **4146.00 ft (KB) To 4172.00 ft (KB) (TVD)**

Total Depth: 4172.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2982.00 ft (KB)

2977.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8322

Inside

Press@RunDepth: 50.30 psig @ 4147.00 ft (KB)

Start Date: 2009.08.12

End Date:

2009.08.13

Start Time: 21:58:05

End Time:

05:30:29

Capacity: 7000.00 psig

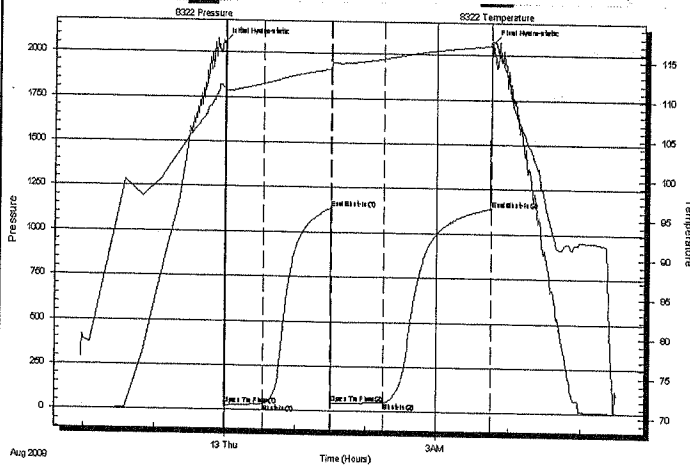
Last Calib.: 2009.08.13

Time On Btm: 2009.08.12 @ 23:58:45

Time Off Btm: 2009.08.13 @ 03:45:59

TEST COMMENT: IF: Built to 1 3/4 inches.
IS: No return.
FF: Built to 1 inch.
FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

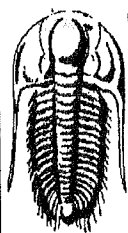
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2054.69	111.29	Initial Hydro-static
1	26.11	110.87	Open To Flow (1)
34	34.93	111.91	Shut-In (1)
91	1134.78	113.84	End Shut-In (1)
92	43.95	114.37	Open To Flow (2)
137	50.30	115.20	Shut-In (2)
227	1140.19	116.96	End Shut-In (2)
228	2064.55	117.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	SOCM 10%o 90%m	0.07
45.00	OCM 30%o 70%m	0.22
0.00	GIP = 0	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co.

Campbell #1-8

202 W Main St.
Salem, IL 62881

8-13s-32w Logan KS

ATTN: Steve Davis

Job Ticket: 35353

DST#: 4

Test Start: 2009.08.12 @ 21:58:05

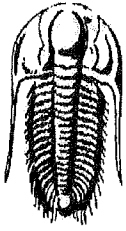
Tool Information

Drill Pipe:	Length: 4019.00 ft	Diameter: 3.80 inches	Volume: 56.38 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 125.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 56.99 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	4146.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	54.00 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			4119.00	
Shut In Tool	5.00			4124.00	
Hydraulic tool	5.00			4129.00	
Jars	5.00			4134.00	
Safety Joint	3.00			4137.00	
Packer	5.00			4142.00	28.00 Bottom Of Top Packer
Packer	4.00			4146.00	
Stubb	1.00			4147.00	
Recorder	0.00	8322	inside	4147.00	
Recorder	0.00	6741	inside	4147.00	
Perforations	20.00			4167.00	
Bullnose	5.00			4172.00	26.00 Bottom Packers & Anchor

Total Tool Length: 54.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.

Campbell #1-8

202 W Main St.
Salem, IL 62881

8-13s-32w Logan KS

ATTN: Steve Davis

Job Ticket: 35353

DST#: 4

Test Start: 2009.08.12 @ 21:58:05

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 10.34 in³

Resistivity: 0.00 ohm.m

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: ppm

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	SOCM 10%o 90%m	0.074
45.00	OCM 30%o 70%m	0.221
0.00	GIP = 0	0.000

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

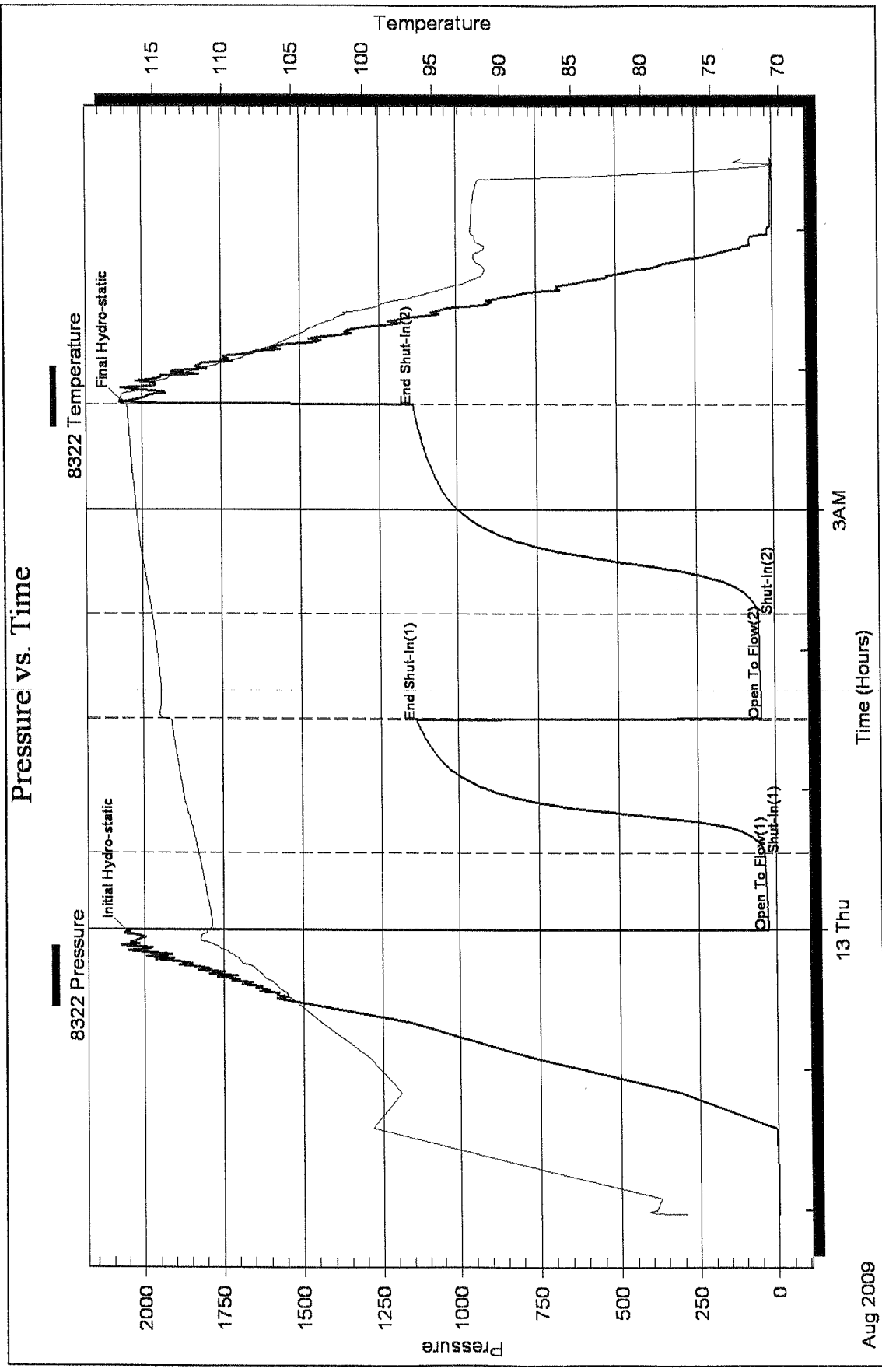
Serial #:

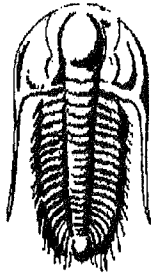
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co.**

202 W Main St.
Salem, IL 62881

ATTN: Steve Davis

8-13s-32w Logan KS

Campbell #1-8

Start Date: 2009.08.13 @ 12:27:05

End Date: 2009.08.13 @ 19:58:44

Job Ticket #: 35354 DST #: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Shakespeare Oil Co.

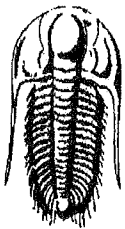
Campbell #1-8

8-13s-32w Logan KS

DST # 5

Lans, "J"

2009.08.13



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co.

202 W Main St.
Salem, IL 62881

ATTN: Steve Davis

Campbell #1-8

8-13s-32w Logan KS

Job Ticket: 35354

DST#: 5

Test Start: 2009.08.13 @ 12:27:05

GENERAL INFORMATION:

Formation: **Lans, "J"**

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

Time Tool Opened: 14:23:45

Time Test Ended: 19:58:44

Test Type: Conventional Bottom Hole

Tester: Brandon Domsch

Unit No: 48

Interval: **4171.00 ft (KB) To 4195.00 ft (KB) (TVD)**

Total Depth: 4195.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2982.00 ft (KB)

2977.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8322

Inside

Press@RunDepth: 232.15 psig @ 4172.00 ft (KB)

Start Date: 2009.08.13

End Date:

2009.08.13

Start Time: 12:27:05

End Time:

19:58:44

Capacity: 7000.00 psig

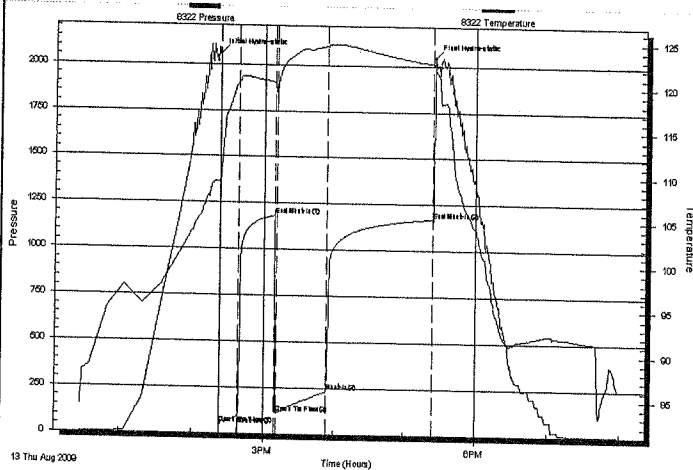
Last Calib.: 2009.08.13

Time On Btm: 2009.08.13 @ 14:23:15

Time Off Btm: 2009.08.13 @ 17:26:00

TEST COMMENT: IF: BOB in 2 1/2 mins.
IS: BOB in 11 mins.
FF: BOB in 5 mins.
FS: BOB in 8 mins, died back to 7 inches.

Pressure vs. Time



PRESSURE SUMMARY

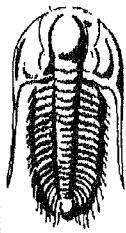
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2061.08	109.31	Initial Hydro-static
1	49.74	109.14	Open To Flow (1)
16	94.47	120.45	Shut-In(1)
46	1182.92	120.45	End Shut-In(1)
47	115.18	119.18	Open To Flow (2)
91	232.15	124.56	Shut-In(2)
182	1170.35	122.62	End Shut-In(2)
183	2043.70	122.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	G&OCW&M 20%g 10%o 35%w 35%m	0.30
124.00	G&WCO&M 20%g 40%o 5%w 35%m	1.17
403.00	CGO 50%g 50%o	5.65
0.00	GIP = 1550 ft	0.00
0.00	API = 39@90F = 36	0.00
0.00	RW = N/A	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co.

Campbell #1-8

202 W Main St.
Salem, IL 62881

8-13s-32w Logan KS

Job Ticket: 35354

DST#: 5

ATTN: Steve Davis

Test Start: 2009.08.13 @ 12:27:05

Tool Information

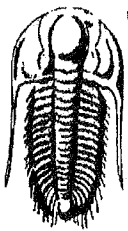
Drill Pipe:	Length: 4050.00 ft	Diameter: 3.80 inches	Volume: 56.81 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 125.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume:	57.42 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4171.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	52.00 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			4144.00	
Shut In Tool	5.00			4149.00	
Hydraulic tool	5.00			4154.00	
Jars	5.00			4159.00	
Safety Joint	3.00			4162.00	
Packer	5.00			4167.00	28.00 Bottom Of Top Packer
Packer	4.00			4171.00	
Stubb	1.00			4172.00	
Recorder	0.00	8322	Inside	4172.00	
Recorder	0.00	6741	Inside	4172.00	
Perforations	18.00			4190.00	
Bullnose	5.00			4195.00	24.00 Bottom Packers & Anchor

Total Tool Length: 52.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.

Campbell #1-8

202 W Main St.
Salem, IL 62881

8-13s-32w Logan KS

ATTN: Steve Davis

Job Ticket: 35354

DST#: 5

Test Start: 2009.08.13 @ 12:27:05

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 53.00 sec/qt

Water Loss: 10.35 in³

Resistivity: 0.00 ohm.m

Salinity: 3400.00 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:

36 deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	G&OCW&M 20%g 10%o 35%w 35%m	0.305
124.00	G&WCO&M 20%g 40%o 5%w 35%m	1.165
403.00	CGO 50%g 50%o	5.653
0.00	GIP = 1550 ft	0.000
0.00	API = 39@90F = 36	0.000
0.00	RW = N/A	0.000

Total Length: 589.00 ft

Total Volume: 7.123 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

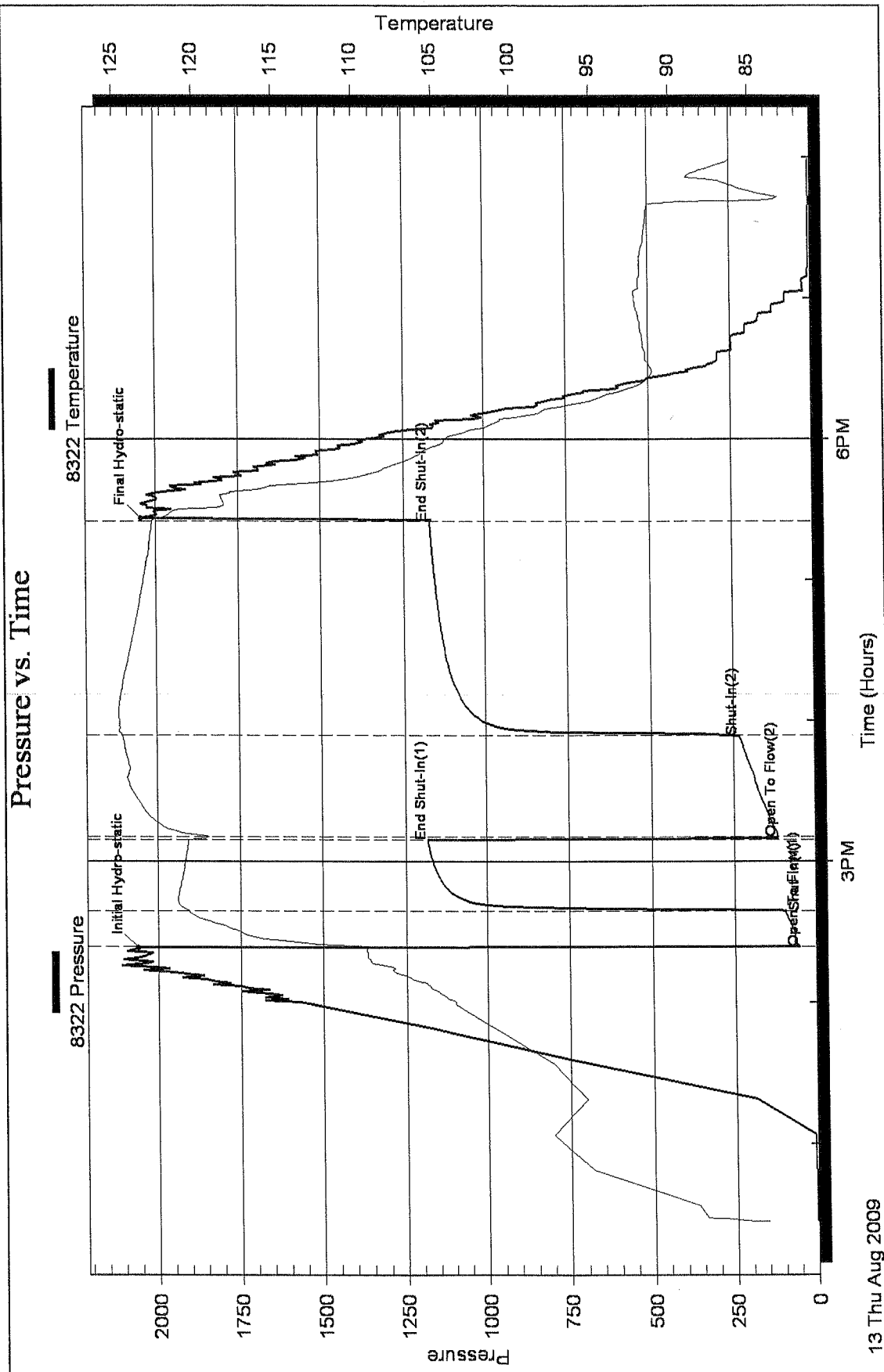
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

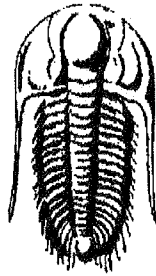
Pressure vs. Time



13 Thu Aug 2009

6PM

3PM



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co.**

202 W Main St.
Salem, IL 62881

ATTN: Steve Davis

8-13s-32w Logan KS

Campbell #1-8

Start Date: 2009.08.14 @ 02:25:05

End Date: 2009.08.14 @ 09:19:59

Job Ticket #: 35355 DST #: 6

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Shakespeare Oil Co.

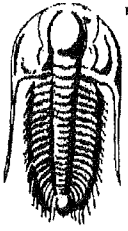
Campbell #1-8

8-13s-32w Logan KS

DST # 6

Lans. "K"

2009.08.14



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Shakespeare Oil Co.

202 W Main St.
Salem, IL 62881

ATTN: Steve Davis

Campbell #1-8

8-13s-32w Logan KS

Job Ticket: 35355

DST#: 6

Test Start: 2009.08.14 @ 02:25:05

GENERAL INFORMATION:

Formation: **Lans. "K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:32:15

Time Test Ended: 09:19:59

Test Type: Conventional Bottom Hole

Tester: Brandon Domsch

Unit No: 48

Interval: **4197.00 ft (KB) To 4216.00 ft (KB) (TVD)**

Total Depth: 4216.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2982.00 ft (KB)

2977.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8322

Inside

Press@RunDepth: 41.95 psig @ 4198.00 ft (KB)

Start Date: 2009.08.14

End Date:

2009.08.14

Start Time: 02:25:05

End Time:

09:19:59

Capacity: 7000.00 psig

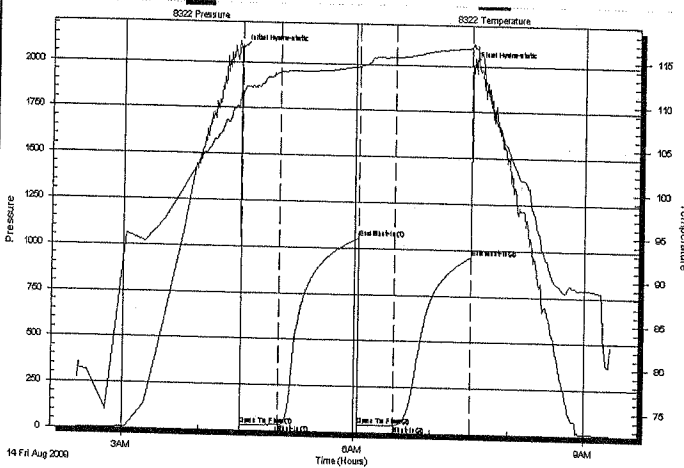
Last Calib.: 2009.08.14

Time On Btm: 2009.08.14 @ 04:32:00

Time Off Btm: 2009.08.14 @ 07:30:59

TEST COMMENT: IF: Built to 1 1/4 inch.
IS: No return.
FF: Surface blow for 24 mins.
FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

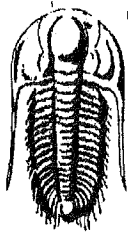
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2072.79	111.11	Initial Hydro-static
1	29.72	110.78	Open To Flow (1)
30	33.90	113.41	Shut-In(1)
92	1054.43	114.23	End Shut-In(1)
92	40.05	113.94	Open To Flow (2)
119	41.95	115.33	Shut-In(2)
179	961.84	116.54	End Shut-In(2)
179	2002.18	116.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	O spotted M 100% m	0.15
0.00	GIP = 0	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co.

Campbell #1-8

202 W Main St.
Salem, IL 62881

8-13s-32w Logan KS

Job Ticket: 35355

DST#: 6

ATTN: Steve Davis

Test Start: 2009.08.14 @ 02:25:05

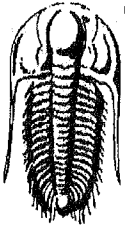
Tool Information

Drill Pipe:	Length: 4051.00 ft	Diameter: 3.80 inches	Volume: 56.82 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 125.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 57.43 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	4197.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	47.00 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			4170.00	
Shut In Tool	5.00			4175.00	
Hydraulic tool	5.00			4180.00	
Jars	5.00			4185.00	
Safety Joint	3.00			4188.00	
Packer	5.00			4193.00	28.00 Bottom Of Top Packer
Packer	4.00			4197.00	
Stubb	1.00			4198.00	
Recorder	0.00	8322	Inside	4198.00	
Recorder	0.00	6741	Inside	4198.00	
Perforations	13.00			4211.00	
Bullnose	5.00			4216.00	19.00 Bottom Packers & Anchor

Total Tool Length: 47.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.

Campbell #1-8

202 W Main St.
Salem, IL 62881

8-13s-32w Logan KS

Job Ticket: 35355

DST#: 6

ATTN: Steve Davis

Test Start: 2009.08.14 @ 02:25:05

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 69.00 sec/qt

Water Loss: 7.18 in³

Resistivity: 0.00 ohm.m

Salinity: 2700.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: ppm

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	O spotted M 100% m	0.148
0.00	GIP = 0	0.000

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

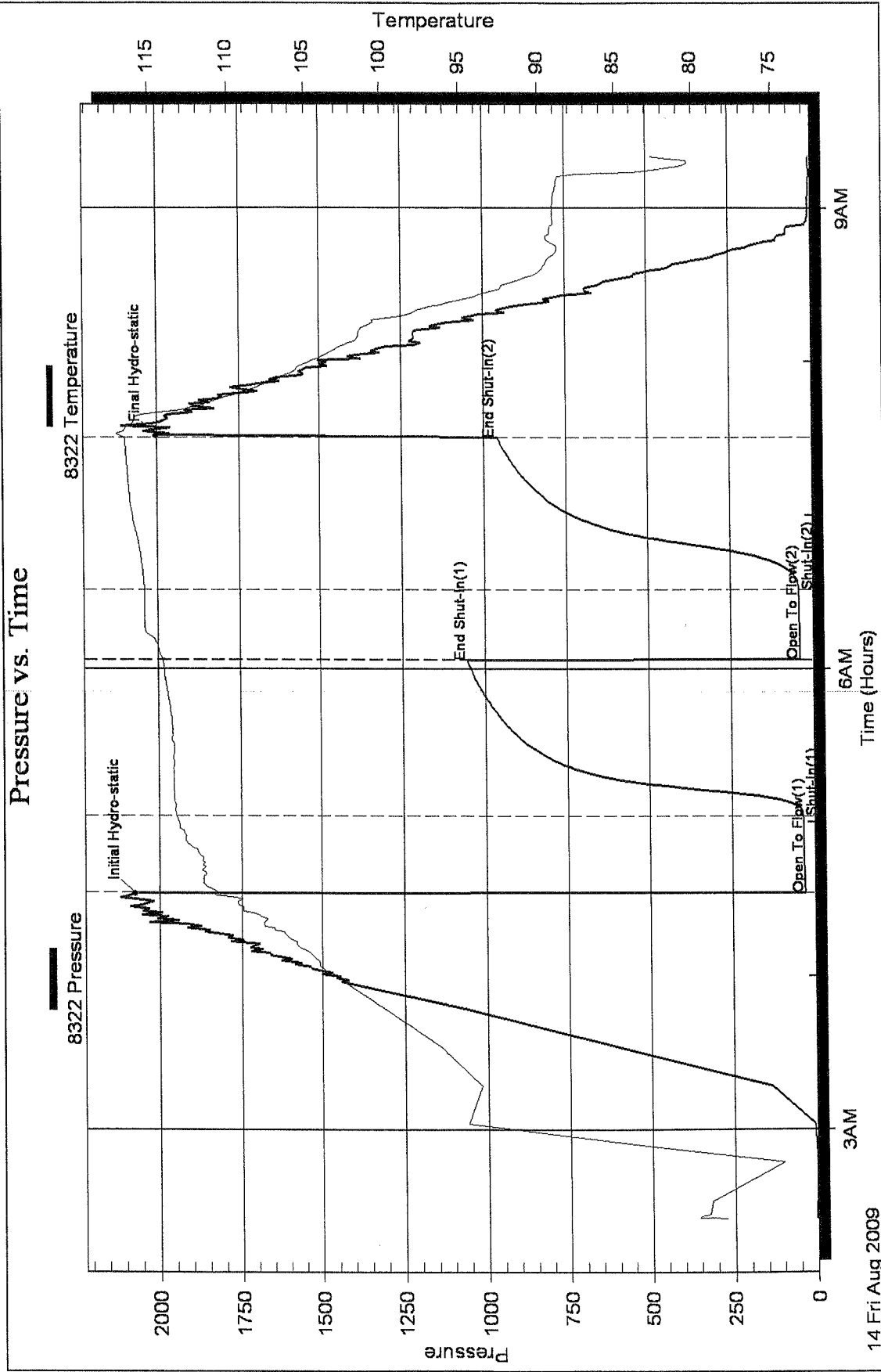
Serial #:

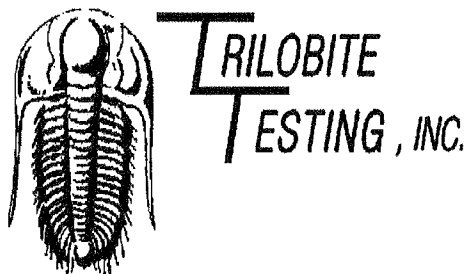
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co.**

202 W Main St.
Salem, IL 62881

ATTN: Steve Davis

8-13s-32w Logan KS

Campbell #1-8

Start Date: 2009.08.15 @ 12:23:05

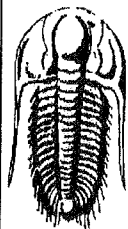
End Date: 2009.08.15 @ 20:06:14

Job Ticket #: 35356 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

Shakespeare Oil Co.

Campbell #1-8

202 W Main St.
Salem, IL 62881

8-13s-32w Logan KS

ATTN: Steve Davis

Job Ticket: 35356

DST#: 7

Test Start: 2009.08.15 @ 12:23:05

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:31:45

Time Test Ended: 20:06:14

Test Type: Conventional Bottom Hole

Tester: Brandon Domsch

Unit No: 48

Interval: **4494.00 ft (KB) To 4540.00 ft (KB) (TVD)**

Total Depth: 4540.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2982.00 ft (KB)

2977.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8322 Inside

Press@RunDepth: 825.81 psig @ 4495.00 ft (KB)

Start Date: 2009.08.15

End Date:

2009.08.15

Start Time: 12:23:05

End Time:

20:06:14

Capacity: 7000.00 psig

Last Calib.: 2009.08.15

Time On Btm: 2009.08.15 @ 14:30:30

Time Off Btm: 2009.08.15 @ 17:34:44

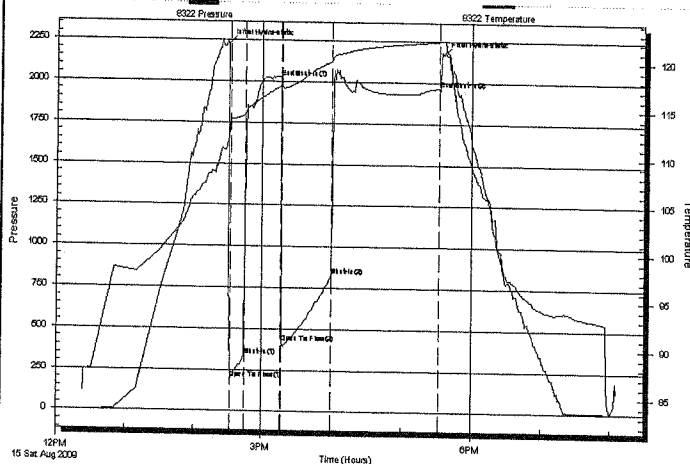
TEST COMMENT: IF: BOB in 45 secs.

IS: No return.

FF: BOB in 3 mins.

FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

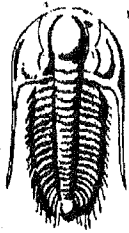
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2228.88	111.95	Initial Hydro-static
2	195.53	113.95	Open To Flow (1)
15	337.25	114.39	Shut-In(1)
46	2025.95	117.46	End Shut-In(1)
47	418.05	117.51	Open To Flow (2)
90	825.81	120.08	Shut-In(2)
181	1963.14	122.19	End Shut-In(2)
185	2170.64	122.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1581.00	M 100% m	21.04
0.00	GIP = 0	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co.

Campbell #1-8

202 W Main St.
Salem, IL 62881

8-13s-32w Logan KS

Job Ticket: 35356

DST#: 7

ATTN: Steve Davis

Test Start: 2009.08.15 @ 12:23:05

Tool Information

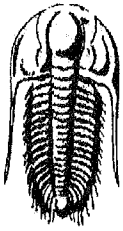
Drill Pipe:	Length: 4367.00 ft	Diameter: 3.80 inches	Volume: 61.26 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 125.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 700000.0 lb
			<u>Total Volume: 61.87 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	4494.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.00 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			4467.00	
Shut In Tool	5.00			4472.00	
Hydraulic tool	5.00			4477.00	
Jars	5.00			4482.00	
Safety Joint	3.00			4485.00	
Packer	5.00			4490.00	28.00 Bottom Of Top Packer
Packer	4.00			4494.00	
Stubb	1.00			4495.00	
Recorder	0.00	8322	Inside	4495.00	
Recorder	0.00	6741	Inside	4495.00	
Perforations	7.00			4502.00	
Change Over Sub	1.00			4503.00	
Drill Pipe	31.00			4534.00	
Change Over Sub	1.00			4535.00	
Bullnose	5.00			4540.00	46.00 Bottom Packers & Anchor

Total Tool Length: 74.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.

Campbell #1-8

202 W Main St.
Salem, IL 62881

8-13s-32w Logan KS

Job Ticket: 35356

DST#: 7

ATTN: Steve Davis

Test Start: 2009.08.15 @ 12:23:05

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 8.77 in³

Resistivity: 0.00 ohm.m

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: ppm

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1581.00	M 100% _m	21.039
0.00	GIP = 0	0.000

Total Length: 1581.00 ft Total Volume: 21.039 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: They lost Circ. @ 4521.

DST Test Number: 7

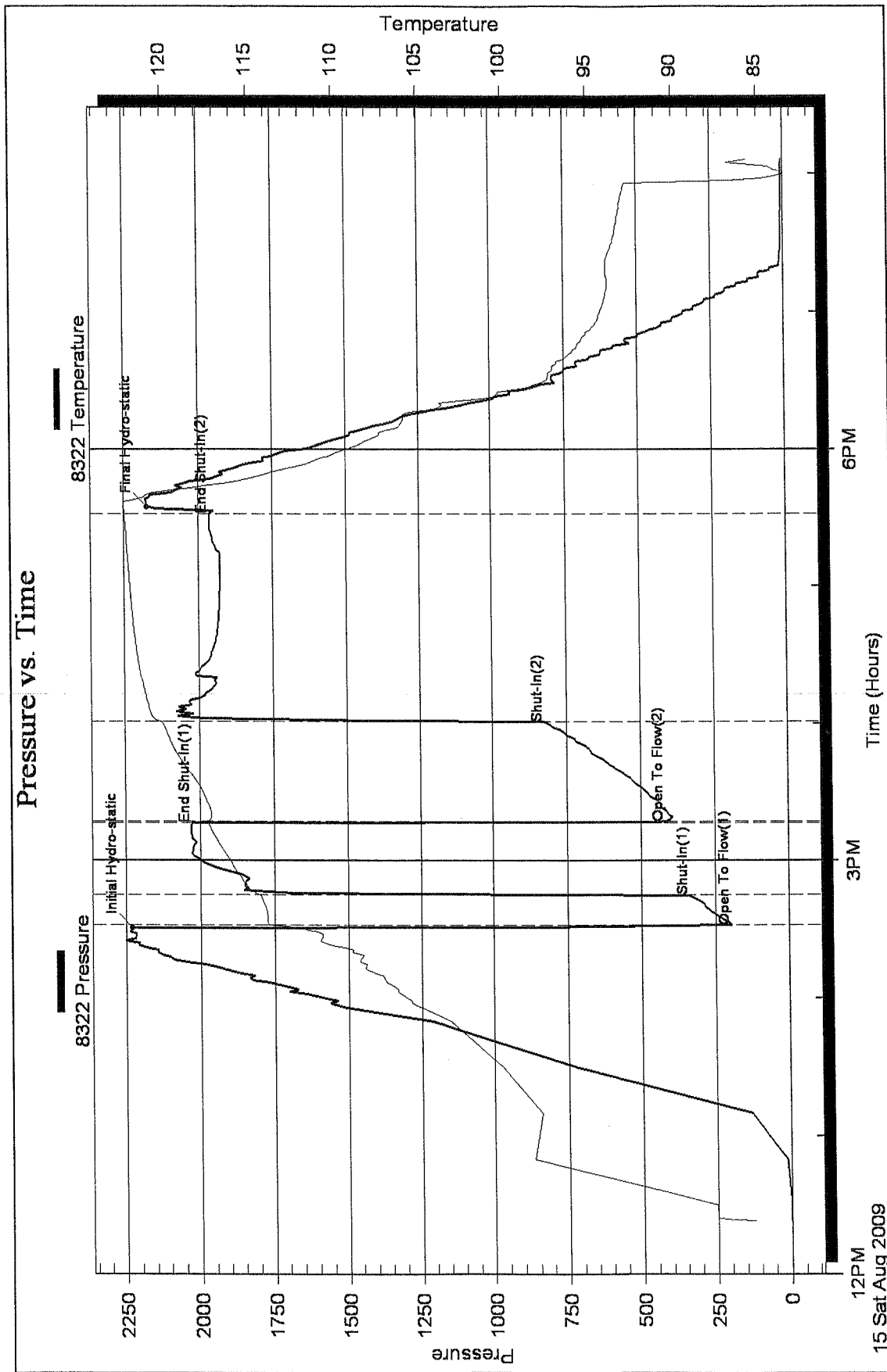
8-13s-32w Logan KS

Shakespeare Oil Co.

Inside

Serial #: 8322

Pressure vs. Time



12 PM
15 Sat Aug 2009
3 PM
6 PM

Ref. No: 35356

Trilobite Testing, Inc