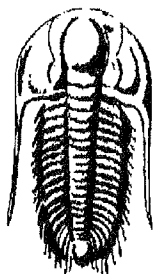


15-063-21758

8-14s-26w

KCS ✓



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Hess Oil**

225 N Market, Ste 300
Wichita, KS 67202

ATTN: Jamie Hess

8 14S 26W Gove KS

Marie #1

Start Date: 2008.11.26 @ 00:49:05

End Date: 2008.11.26 @ 07:20:14

Job Ticket #: 34161 DST #: 1

RECEIVED
KANSAS CORPORATION COMMISSION

JAN 20 2009

CONSERVATION DIVISION
WICHITA, KS

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Hess Oil

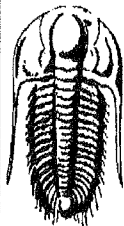
Marie #1

8 14S 26W Gove KS

DST # 1

G Zone

2008.11.26



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Hess Oil

225 N Market, Ste 300
Wichita, KS 67202

ATTN: Jamie Hess

Marie #1

8 14S 26W Gove KS

Job Ticket: 34161

DST#: 1

Test Start: 2008.11.26 @ 00:49:05

GENERAL INFORMATION:

Formation: **G Zone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:31:15

Time Test Ended: 07:20:14

Test Type: Conventional Bottom Hole

Tester: Brandon Domsch

Unit No: 25

Interval: 3835.00 ft (KB) To 3880.00 ft (KB) (TVD)

Total Depth: 3880.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2540.00 ft (KB)

2535.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8353

Inside

Press@RunDepth: 642.14 psig @ 3836.00 ft (KB)

Start Date: 2008.11.26

End Date:

2008.11.26

Start Time: 00:49:05

End Time:

07:20:14

Capacity: 7000.00 psig

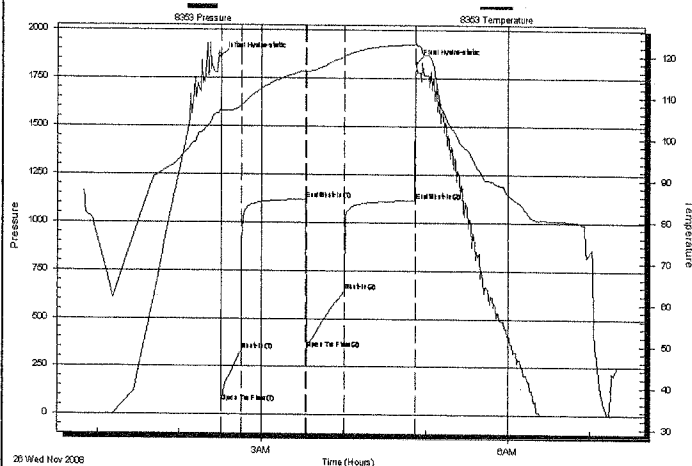
Last Calib.: 2008.11.26

Time On Btm: 2008.11.26 @ 02:30:45

Time Off Btm: 2008.11.26 @ 04:53:15

TEST COMMENT: IF: BOB in 3 mins.
IS: Surface blow for 18 mins.
FF: BOB in 3 1/2 mins.
FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

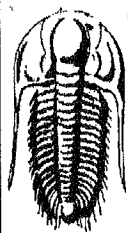
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1859.09	106.95	Initial Hydro-static
1	63.27	106.55	Open To Flow (1)
15	332.30	107.87	Shut-In (1)
62	1119.30	116.38	End Shut-In (1)
63	340.08	116.03	Open To Flow (2)
91	642.14	119.75	Shut-In (2)
142	1114.47	122.74	End Shut-In (2)
143	1830.57	123.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	M 100% m	0.15
838.00	SMCW 95% w 5% m	9.80
268.00	WCM 10% w 90% m	3.76
0.00	GIP 0	0.00
0.00	RW = .108 @ 55F = 95000 ppm	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

Hess Oil

225 N Market, Ste 300
Wichita, KS 67202

ATTN: Jamie Hess

Marie #1

8 14S 26W Gove KS

Job Ticket: 34161

DST#: 1

Test Start: 2008.11.26 @ 00:49:05

Tool Information

Drill Pipe: Length: 3579.00 ft Diameter: 3.80 inches Volume: 50.20 bbl
Heavy Wt. Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl
Drill Collar: Length: 245.00 ft Diameter: 2.25 inches Volume: 1.20 bbl
Total Volume: 51.40 bbl

Drill Pipe Above KB: 12.00 ft
Depth to Top Packer: 3835.00 ft
Depth to Bottom Packer: ft
Interval between Packers: 45.00 ft
Tool Length: 68.00 ft

Number of Packers: 2 Diameter: 6.75 inches

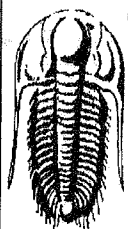
Tool Comments:

Tool Weight: 1500.00 lb
Weight set on Packer: 25000.00 lb
Weight to Pull Loose: 62000.00 lb
Tool Chased 0.00 ft
String Weight: Initial 56000.00 lb
Final 60000.00 lb

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			3813.00	
Shut In Tool	5.00			3818.00	
Hydraulic tool	5.00			3823.00	
Safety Joint	3.00			3826.00	
Packer	5.00			3831.00	23.00 Bottom Of Top Packer
Packer	4.00			3835.00	
Stubb	1.00			3836.00	
Recorder	0.00	8353	Inside	3836.00	
Recorder	0.00	6741	Inside	3836.00	
Perforations	6.00			3842.00	
Change Over Sub	1.00			3843.00	
Drill Pipe	31.00			3874.00	
Change Over Sub	1.00			3875.00	
Bullnose	5.00			3880.00	45.00 Bottom Packers & Anchor

Total Tool Length: 68.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hess Oil

Marie #1

225 N Market, Ste 300
Wichita, KS 67202

8 14S 26W Gove KS

Job Ticket: 34161

DST#: 1

ATTN: Jamie Hess

Test Start: 2008.11.26 @ 00:49:05

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: in³

Resistivity: 0.00 ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

deg API

Water Salinity: 95000 ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	M 100%m	0.148
838.00	SMCW 95%w 5%m	9.796
268.00	WCM 10%w 90%m	3.759
0.00	GIP 0	0.000
0.00	RW = .108@55F= 95000 ppm	0.000

Total Length: 1136.00 ft

Total Volume: 13.703 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

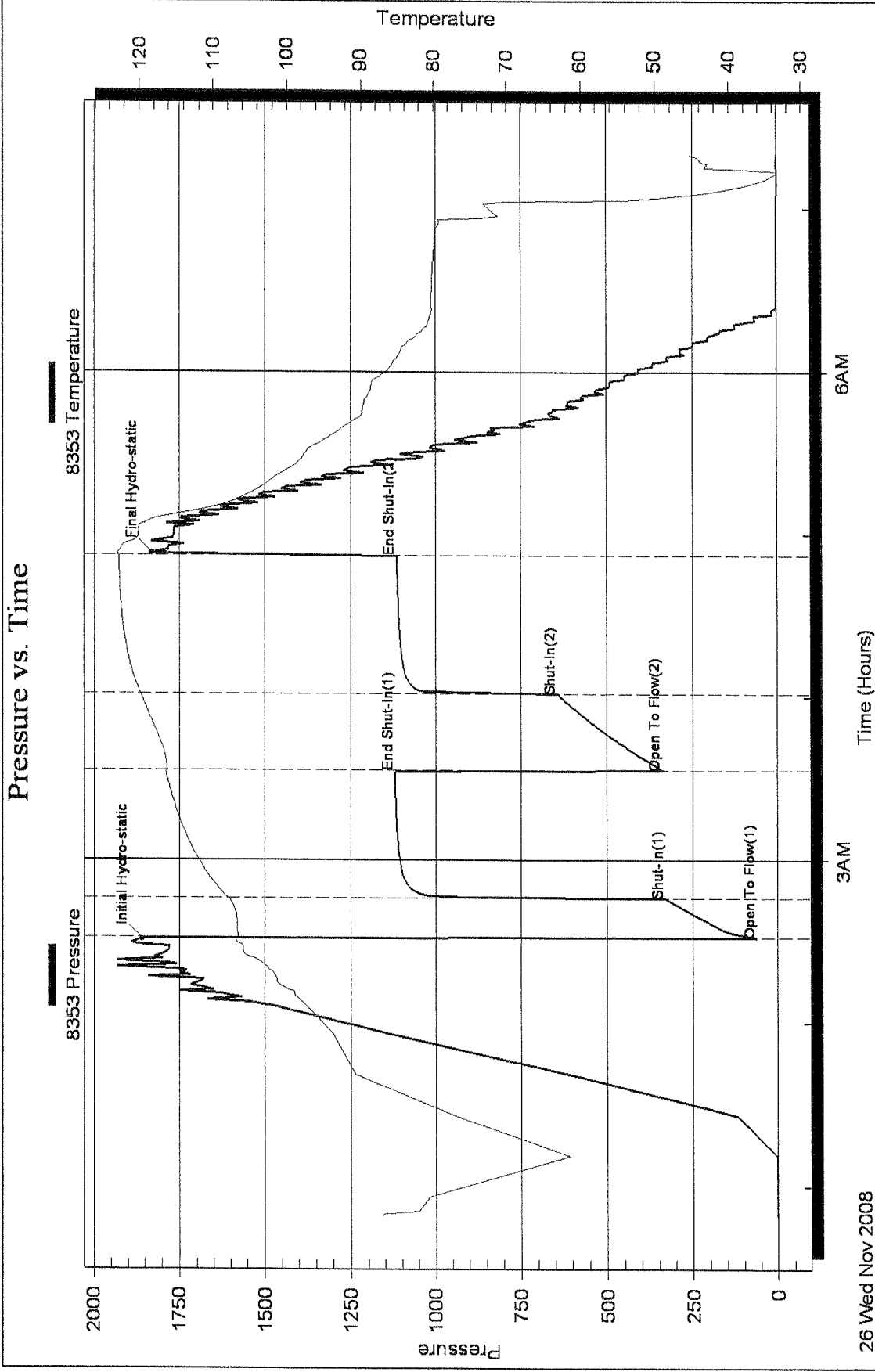
Serial #:

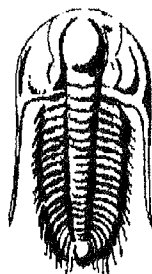
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Hess Oil**

225 N Market, Ste 300
Wichita, KS 67202

ATTN: Jamie Hess

8 14S 26W Gove KS

Marie #1

Start Date: 2008.11.26 @ 19:12:05

End Date: 2008.11.27 @ 00:49:29

Job Ticket #: 34162 DST #: 2

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

Hess Oil

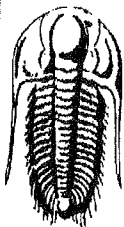
Marie #1

8 14S 26W Gove KS

DST # 2

J-K

2008.11.26



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Hess Oil

225 N Market, Ste 300
Wichita, KS 67202

ATTN: Jamie Hess

Marie #1

8 14S 26W Gove KS

Job Ticket: 34162

DST#: 2

Test Start: 2008.11.26 @ 19:12:05

GENERAL INFORMATION:

Formation: **J-K**

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

Time Tool Opened: 21:36:00

Time Test Ended: 00:49:29

Test Type: **Conventional Bottom Hole**

Tester: **Brandon Domsch**

Unit No: **25**

Interval: **3932.00 ft (KB) To 4012.00 ft (KB) (TVD)**

Total Depth: **4012.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2540.00 ft (KB)**

2535.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8353

Inside

Press@RunDepth: **21.57 psig @ 3933.00 ft (KB)**

Start Date: **2008.11.26**

End Date:

2008.11.27

Capacity: **7000.00 psig**

Last Calib.: **2008.11.27**

Start Time: **19:12:05**

End Time:

00:49:29

Time On Btm: **2008.11.26 @ 21:35:45**

Time Off Btm: **2008.11.26 @ 23:05:00**

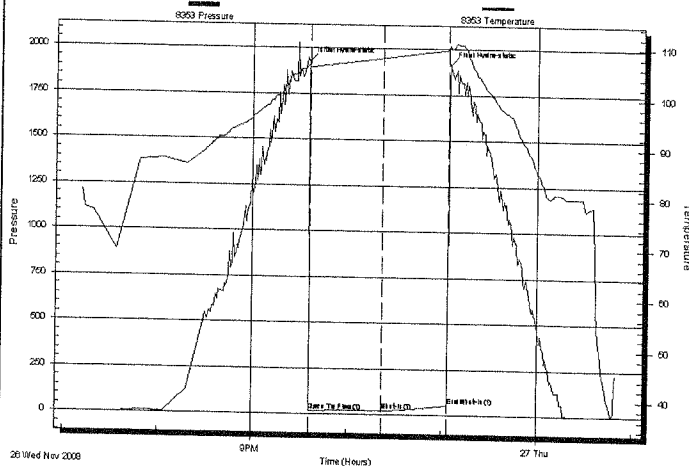
TEST COMMENT: IF: Built to 1 1/4 inch died in 43 mins.

IS: No return.

FF: NA

FS: NA

Pressure vs. Time



PRESSURE SUMMARY

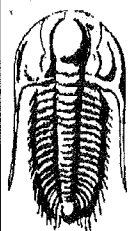
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1926.92	106.41	Initial Hydro-static
1	19.43	105.99	Open To Flow (1)
47	21.57	107.90	Shut-In(1)
89	56.61	109.63	End Shut-In(1)
90	1916.02	110.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mw / a few O spots 100% m	0.02
0.00	GIP 0	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

Hess Oil

Marie #1

225 N Market, Ste 300
Wichita, KS 67202

8 14S 26W Gove KS

Job Ticket: 34162

DST#: 2

ATTN: Jamie Hess

Test Start: 2008.11.26 @ 19:12:05

Tool Information

Drill Pipe:	Length: 3674.00 ft	Diameter: 3.80 inches	Volume: 51.54 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: 245.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose:	70000.00 lb
			Total Volume: 52.74 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	56000.00 lb
Depth to Top Packer:	3932.00 ft			Final	56000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	80.00 ft				
Tool Length:	103.00 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			3910.00	
Shut In Tool	5.00			3915.00	
Hydraulic tool	5.00			3920.00	
Safety Joint	3.00			3923.00	
Packer	5.00			3928.00	23.00 Bottom Of Top Packer
Packer	4.00			3932.00	
Stubb	1.00			3933.00	
Recorder	0.00	8353	Inside	3933.00	
Recorder	0.00	6741	Inside	3933.00	
Perforations	10.00			3943.00	
Change Over Sub	1.00			3944.00	
Drill Pipe	62.00			4006.00	
Change Over Sub	1.00			4007.00	
Bullnose	5.00			4012.00	80.00 Bottom Packers & Anchor

Total Tool Length: 103.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Hess Oil

Marie #1

225 N Market, Ste 300
Wichita, KS 67202

8 14S 26W Gove KS

Job Ticket: 34162

DST#: 2

ATTN: Jamie Hess

Test Start: 2008.11.26 @ 19:12:05

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: in³

Resistivity: 0.00 ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mw / a few O spots 100% _m	0.025
0.00	GIP 0	0.000

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

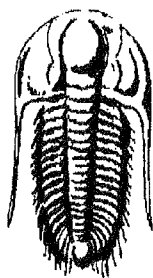
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Hess Oil**

225 N Market, Ste 300
Wichita, KS 67202

ATTN: Jamie Hess

8 14S 26W Gove KS

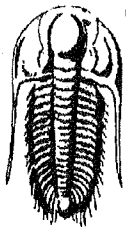
Marie #1

Start Date: 2008.11.27 @ 23:54:05

End Date: 2008.11.28 @ 06:09:14

Job Ticket #: 34163 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

Hess Oil

225 N Market, Ste 300
Wichita, KS 67202

ATTN: Jamie Hess

Marie #1

8 14S 26W Gove KS

Job Ticket: 34163

DST#: 3

Test Start: 2008.11.27 @ 23:54:05

GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:41:30

Time Test Ended: 06:09:14

Test Type: Conventional Bottom Hole

Tester: Brandon Domsch

Unit No: 25

Interval: **4230.00 ft (KB) To 4280.00 ft (KB) (TVD)**

Total Depth: 4280.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2540.00 ft (KB)

2535.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **8353** Inside

Press@RunDepth: 36.89 psig @ 4231.00 ft (KB)

Start Date: 2008.11.27

End Date:

2008.11.28

Start Time: 23:54:05

End Time:

06:09:14

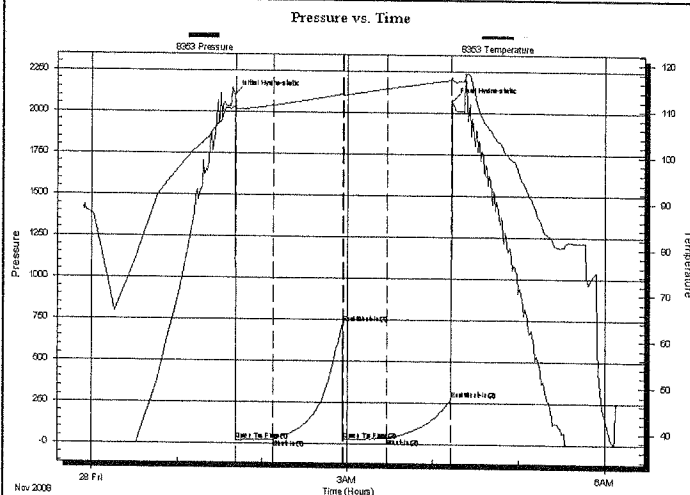
Capacity: 7000.00 psig

Last Calib.: 2008.11.28

Time On Btm: 2008.11.28 @ 01:40:45

Time Off Btm: 2008.11.28 @ 04:13:14

TEST COMMENT: IF: Built to 2 3/4 inches.
IS: No return.
FF: Built to 4 1/4 inches.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2100.74	110.81	Initial Hydro-static
1	19.48	110.32	Open To Flow (1)
27	26.58	111.00	Shut-In(1)
76	727.74	113.60	End Shut-In(1)
77	27.25	113.46	Open To Flow (2)
108	36.89	114.79	Shut-In(2)
152	276.91	116.70	End Shut-In(2)
153	2071.59	116.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	SOCM 5%o 95%o m	0.05
10.00	G&OCM 40%g 20%o 40%o 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

Hess Oil

Marie #1

225 N Market, Ste 300
Wichita, KS 67202

8 14S 26W Gove KS

Job Ticket: 34163

DST#: 3

ATTN: Jamie Hess

Test Start: 2008.11.27 @ 23:54:05

Tool Information

Drill Pipe: Length: 3989.00 ft Diameter: 3.80 inches Volume: 55.96 bbl
Heavy Wt. Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl
Drill Collar: Length: 245.00 ft Diameter: 2.25 inches Volume: 1.20 bbl
Total Volume: 57.16 bbl

Drill Pipe Above KB: 27.00 ft

Depth to Top Packer: 4230.00 ft

Depth to Bottom Packer: ft

Interval between Packers: 50.00 ft

Tool Length: 73.00 ft

Number of Packers: 2 Diameter: 6.75 inches

Tool Comments:

Tool Weight: 1500.00 lb

Weight set on Packer: 25000.00 lb

Weight to Pull Loose: 65000.00 lb

Tool Chased 0.00 ft

String Weight: Initial 57000.00 lb

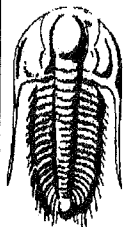
Final 57000.00 lb

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Change Over Sub	1.00			4208.00	
Shut In Tool	5.00			4213.00	
Hydraulic tool	5.00			4218.00	
Safety Joint	3.00			4221.00	
Packer	5.00			4226.00	23.00 Bottom Of Top Packer
Packer	4.00			4230.00	
Stubb	1.00			4231.00	
Recorder	0.00	8353	Inside	4231.00	
Recorder	0.00	6741	Inside	4231.00	
Perforations	10.00			4241.00	
Change Over Sub	1.00			4242.00	
Drill Pipe	32.00			4274.00	
Change Over Sub	1.00			4275.00	
Bullnose	5.00			4280.00	50.00 Bottom Packers & Anchor

Total Tool Length: 73.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Hess Oil

Marie #1

225 N Market, Ste 300
Wichita, KS 67202

8 14S 26W Gove KS

Job Ticket: 34163

DST#: 3

ATTN: Jamie Hess

Test Start: 2008.11.27 @ 23:54:05

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 53.00 sec/qt

Water Loss: 7.96 in³

Resistivity: 0.00 ohm.m

Salinity: ppm

Filter Cake: 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 5%o 95%m	0.049
10.00	G&OCM 40%g 20%o 40%m	0.049
0.00	GIP 0	0.000
0.00	API = N/A	0.000

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

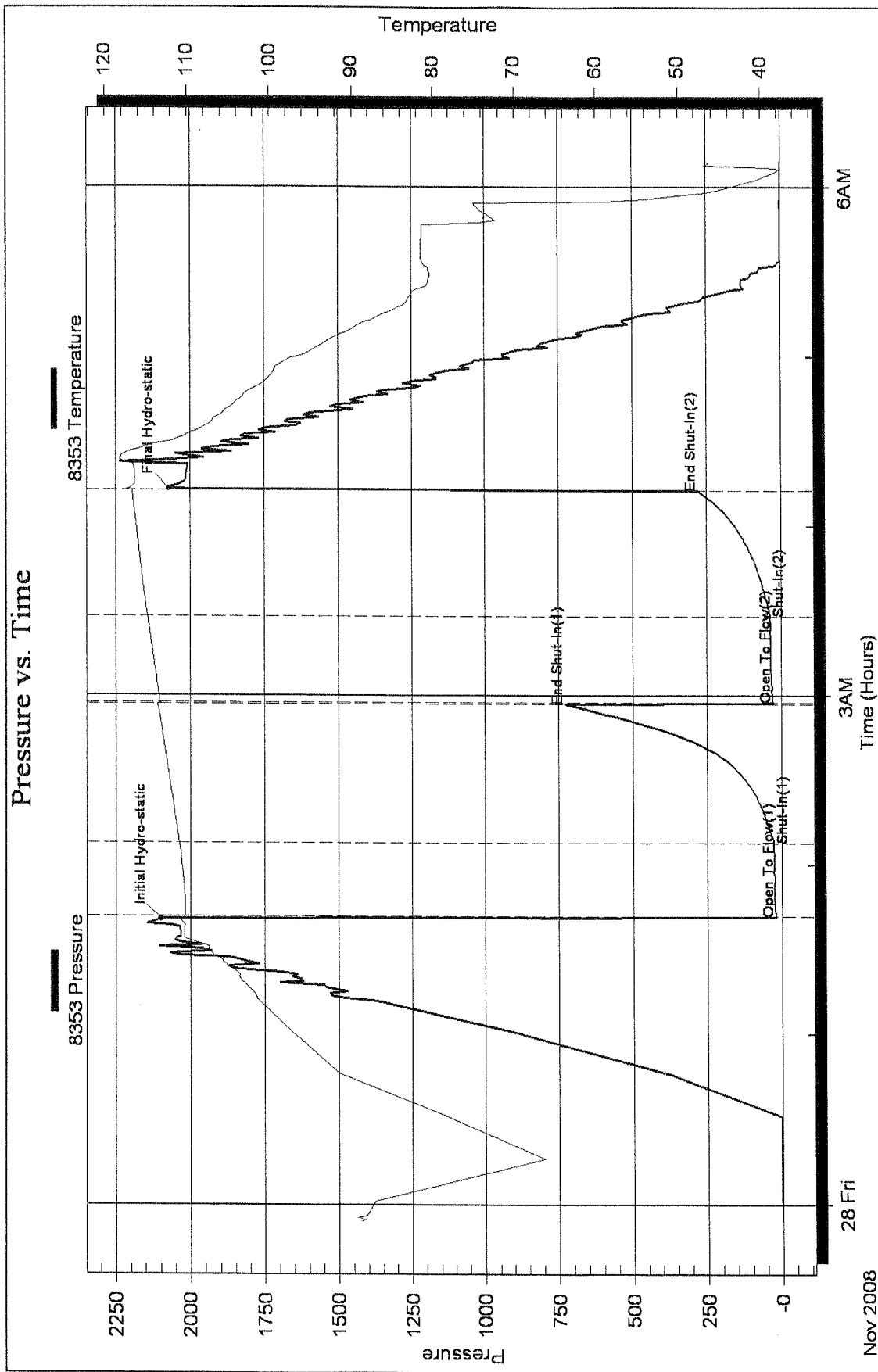
Serial #:

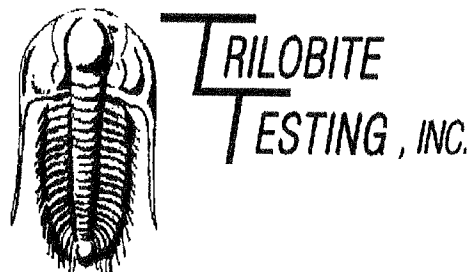
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Hess Oil**

225 N Market, Ste 300
Wichita, KS 67202

ATTN: Jamie Hess

8 14S 26W Gove KS

Marie #1

Start Date: 2008.11.28 @ 15:49:05

End Date: 2008.11.28 @ 22:42:59

Job Ticket #: 34164 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

Hess Oil

225 N Market, Ste 300
Wichita, KS 67202

ATTN: Jamie Hess

Marie #1

8 14S 26W Gove KS

Job Ticket: 34164

DST#: 4

Test Start: 2008.11.28 @ 15:49:05

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:42:30

Time Test Ended: 22:42:59

Interval: **4312.00 ft (KB) To 4362.00 ft (KB) (TVD)**

Total Depth: 4362.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Brandon Domsch

Unit No: 25

Reference Elevations: 2540.00 ft (KB)

2535.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8353

Inside

Press@RunDepth: 34.58 psig @ 4313.00 ft (KB)

Start Date: 2008.11.28

End Date:

2008.11.28

Start Time: 15:49:05

End Time:

22:42:59

Capacity: 7000.00 psig

Last Calib.: 2008.11.28

Time On Btm: 2008.11.28 @ 17:41:30

Time Off Btm: 2008.11.28 @ 20:45:14

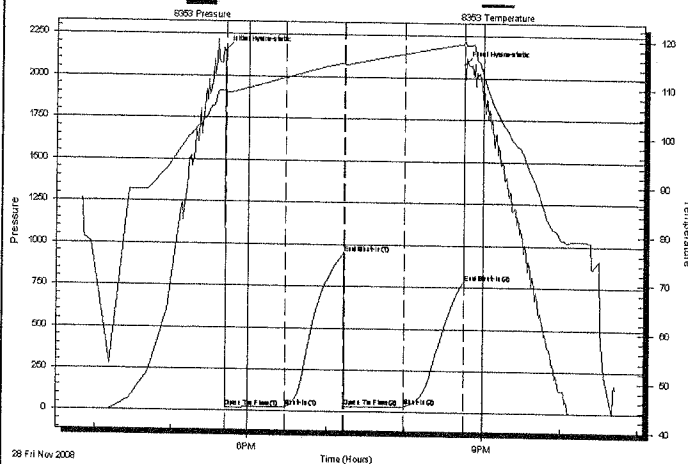
TEST COMMENT: IF: Built to 1 3/4 inch died back to 1 inch.

IS: No return.

FF: No blow.

FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

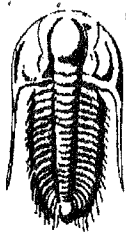
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2153.77	109.36	Initial Hydro-static
1	20.18	108.91	Open To Flow (1)
47	26.71	112.02	Shut-In(1)
91	948.91	115.12	End Shut-In(1)
92	29.59	114.76	Open To Flow (2)
138	34.58	117.07	Shut-In(2)
184	781.86	119.22	End Shut-In(2)
184	2080.57	119.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	OCM 10%o 90 %m	0.12
5.00	CO 100%o	0.02
0.00	GIP 0	0.00
0.00	API = N/A	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

Hess Oil

Marie #1

225 N Market, Ste 300
Wichita, KS 67202

8 14S 26W Gove KS

Job Ticket: 34164

DST#: 4

ATTN: Jamie Hess

Test Start: 2008.11.28 @ 15:49:05

Tool Information

Drill Pipe: Length: 4052.00 ft Diameter: 3.80 inches Volume: 56.84 bbl
Heavy Wt. Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl
Drill Collar: Length: 245.00 ft Diameter: 2.25 inches Volume: 1.20 bbl
Total Volume: 58.04 bbl

Drill Pipe Above KB: 8.00 ft
Depth to Top Packer: 4312.00 ft
Depth to Bottom Packer: ft
Interval between Packers: 50.00 ft
Tool Length: 73.00 ft
Number of Packers: 2 Diameter: 6.75 inches

Tool Weight: 1500.00 lb
Weight set on Packer: 25000.00 lb
Weight to Pull Loose: 70000.00 lb
Tool Chased 0.00 ft
String Weight: Initial 57000.00 lb
Final 57000.00 lb

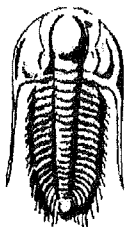
Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Change Over Sub	1.00			4290.00	
Shut In Tool	5.00			4295.00	
Hydraulic tool	5.00			4300.00	
Safety Joint	3.00			4303.00	
Packer	5.00			4308.00	23.00 Bottom Of Top Packer
Packer	4.00			4312.00	
Stubb	1.00			4313.00	
Recorder	0.00	8353	Inside	4313.00	
Recorder	0.00	6741	Inside	4313.00	
Perforations	10.00			4323.00	
Change Over Sub	1.00			4324.00	
Drill Pipe	32.00			4356.00	
Change Over Sub	1.00			4357.00	
Bullnose	5.00			4362.00	50.00 Bottom Packers & Anchor

Total Tool Length: 73.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Hess Oil

Marie #1

225 N Market, Ste 300
Wichita, KS 67202

8 14S 26W Gove KS

Job Ticket: 34164

DST#: 4

ATTN: Jamie Hess

Test Start: 2008.11.28 @ 15:49:05

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 7.96 in³

Resistivity: 0.00 ohm.m

Salinity: 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
25.00	OCM 10%o 90 %m	0.123
5.00	CO 100%o	0.025
0.00	GIP 0	0.000
0.00	API = N/A	0.000

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

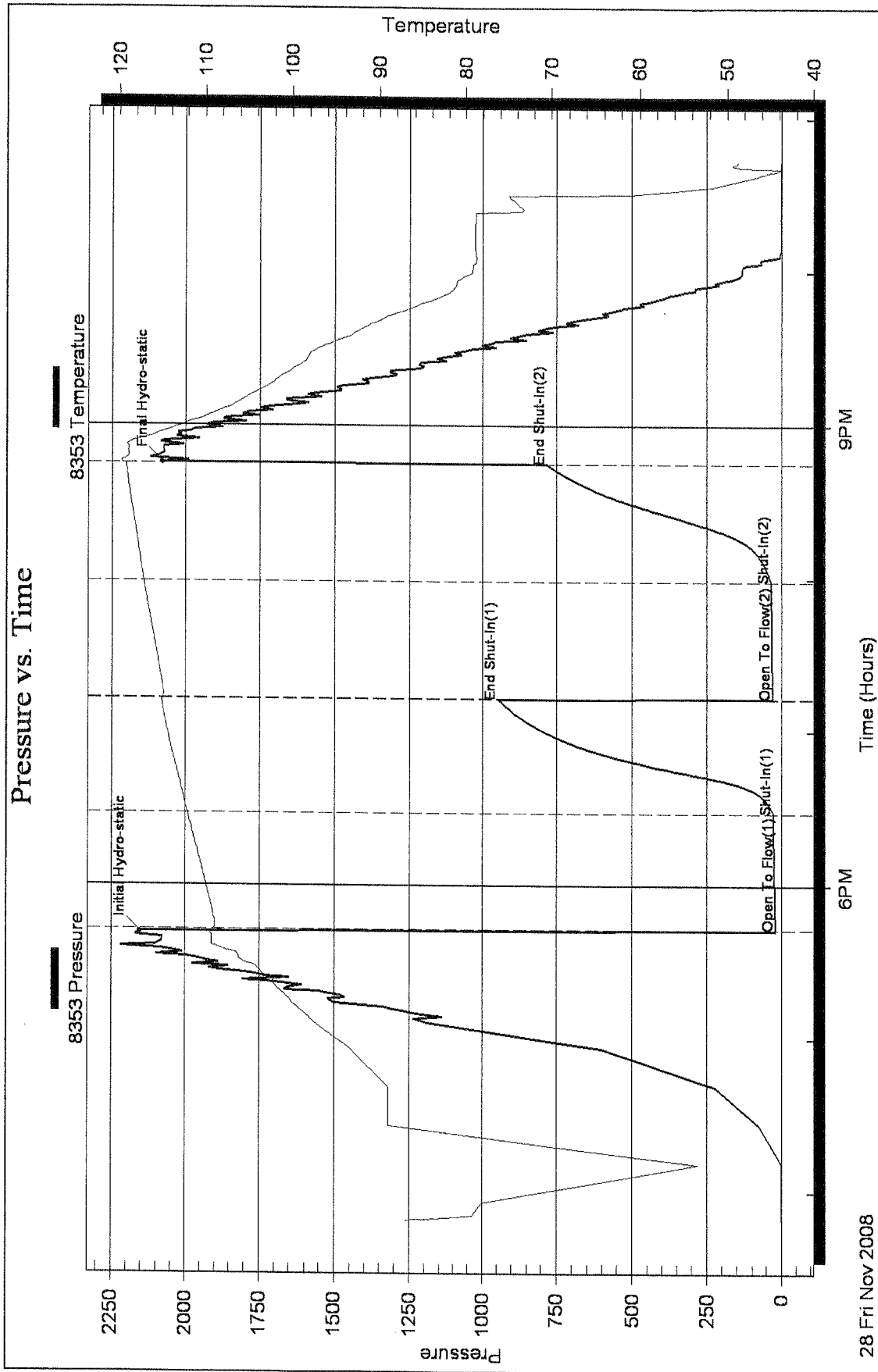
Num Gas Bombs: 0

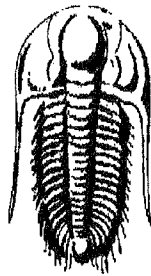
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Hess Oil**

225 N Market, Ste 300
Wichita, KS 67202

ATTN: Jamie Hess

8 14S 26W Gove KS

Marie #1

Start Date: 2008.11.29 @ 04:17:05

End Date: 2008.11.29 @ 09:25:14

Job Ticket #: 34165 DST #: 5

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

Hess Oil

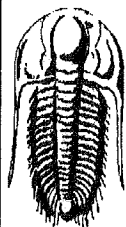
Marie #1

8 14S 26W Gove KS

DST # 5

Miss

2008.11.29



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Hess Oil

225 N Market, Ste 300
Wichita, KS 67202

ATTN: Jamie Hess

Marie #1

8 14S 26W Gove KS

Job Ticket: 34165

DST#: 5

Test Start: 2008.11.29 @ 04:17:05

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:12:45

Time Test Ended: 09:25:14

Interval: **4356.00 ft (KB) To 4372.00 ft (KB) (TVD)**

Total Depth: 4372.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Brandon Domsch

Unit No: 25

Reference Elevations: 2540.00 ft (KB)

2535.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **8353**

Inside

Press@RunDepth: 36.83 psig @ 4357.00 ft (KB)

Start Date: 2008.11.29

End Date:

2008.11.29

Start Time: 04:17:05

End Time:

09:25:14

Capacity: 7000.00 psig

Last Calib.: 2008.11.29

Time On Btm: 2008.11.29 @ 06:12:30

Time Off Btm: 2008.11.29 @ 07:31:30

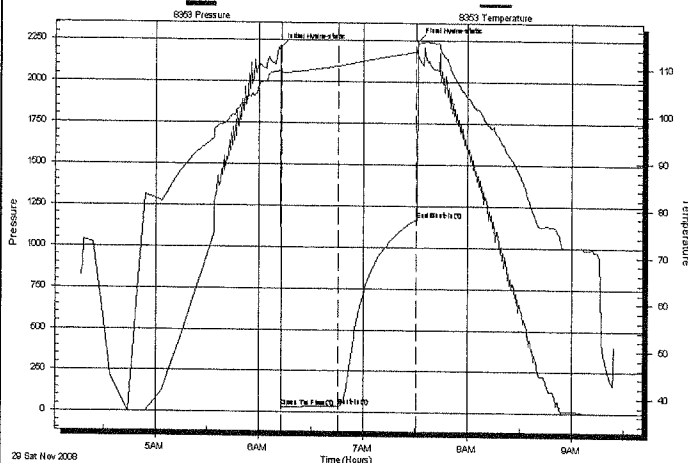
TEST COMMENT: IF: Built to 1 inch died in 27 mins.

IS: No return.

FF: N/A

FS: N/A

Pressure vs. Time



PRESSURE SUMMARY

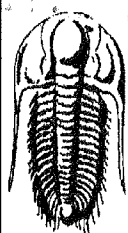
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2206.51	109.49	Initial Hydro-static
1	30.95	109.00	Open To Flow (1)
33	36.83	110.52	Shut-In (1)
79	1168.22	113.63	End Shut-In (1)
79	2246.59	114.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mw / a few O spots 100% m	0.10
0.00	GIP O	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

Hess Oil

Marie #1

225 N Market, Ste 300
Wichita, KS 67202

8 14S 26W Gove KS

ATTN: Jamie Hess

Job Ticket: 34165

DST#: 5

Test Start: 2008.11.29 @ 04:17:05

Tool Information

Drill Pipe: Length: 4116.00 ft Diameter: 3.80 inches Volume: 57.74 bbl
Heavy Wt. Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl
Drill Collar: Length: 245.00 ft Diameter: 2.25 inches Volume: 1.20 bbl
Total Volume: 58.94 bbl

Drill Pipe Above KB: 28.00 ft
Depth to Top Packer: 4356.00 ft
Depth to Bottom Packer: ft
Interval between Packers: 16.00 ft
Tool Length: 39.00 ft

Number of Packers: 2 Diameter: 6.75 inches

Tool Comments:

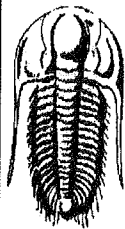
Tool Weight: 1500.00 lb
Weight set on Packer: 25000.00 lb
Weight to Pull Loose: 65000.00 lb
Tool Chased 0.00 ft
String Weight: Initial 54000.00 lb
Final 54000.00 lb

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Change Over Sub	1.00			4334.00	
Shut In Tool	5.00			4339.00	
Hydraulic tool	5.00			4344.00	
Safety Joint	3.00			4347.00	
Packer	5.00			4352.00	23.00 Bottom Of Top Packer
Packer	4.00			4356.00	
Stubb	1.00			4357.00	
Recorder	0.00	8353	Inside	4357.00	
Recorder	0.00	6741	Inside	4357.00	
Perforations	10.00			4367.00	
Bullnose	5.00			4372.00	16.00 Bottom Packers & Anchor

Total Tool Length: 39.00


**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hess Oil

Marie #1

225 N Market, Ste 300
Wichita, KS 67202

8 14S 26W Gove KS

Job Ticket: 34165

DST#: 5

ATTN: Jamie Hess

Test Start: 2008.11.29 @ 04:17:05

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: in³

Resistivity: 0.00 ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mw / a few O spots 100% m	0.098
0.00	GIP 0	0.000

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: