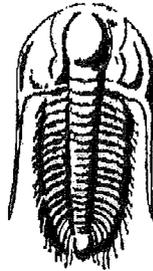


15-135-25038

17-17s-22w

IND



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared For: **Hess Oil Company**

225 N Market, suite 300  
Whichita, KS 67202

ATTN: Jamie Hess

**17 17S 22W Ness KS**

**Margie"C" #1**

Start Date: 2010.03.02 @ 16:45:04

End Date: 2010.03.02 @ 21:28:34

Job Ticket #: 38042                      DST #: 1

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KCC WICHITA

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Hess Oil Company

Margie"C" #1

17 17S 22W Ness KS

DST # 1

Cherokee Sand

2010.03.02





**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Hess Oil Company

**Margie "C" #1**

225 N Market, suite 300  
Whichita, KS 67202

**17 17S 22W Ness KS**

Job Ticket: 38042

**DST#: 1**

ATTN: Jamie Hess

Test Start: 2010.03.02 @ 16:45:04

### Tool Information

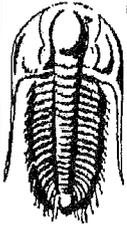
Drill Pipe:	Length: 3988.00 ft	Diameter: 3.80 inches	Volume: 55.94 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 79000.00 lb
			<u>Total Volume: 57.16 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4240.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	53.00 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			4217.00	
Shut In Tool	5.00			4222.00	
Hydraulic tool	5.00			4227.00	
Safety Joint	3.00			4230.00	
Packer	5.00			4235.00	24.00 Bottom Of Top Packer
Packer	5.00			4240.00	
Stubb	1.00			4241.00	
Recorder	0.00	8319	Inside	4241.00	
Recorder	0.00	8369	Outside	4241.00	
Perforations	25.00			4266.00	
Bullnose	3.00			4269.00	29.00 Bottom Packers & Anchor

**Total Tool Length: 53.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Hess Oil Company  
225 N Market, suite 300  
Whichita, KS 67202  
ATTN: Jamie Hess

**Margie "C" #1**  
**17 17S 22W Ness KS**  
Job Ticket: 38042      **DST#: 1**  
Test Start: 2010.03.02 @ 16:45:04

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 25000 ppm	
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.95 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
95.00	Mud with a scum of oil	0.467
62.00	HOCWM40%O50%W10%M	0.305
124.00	GOCMW10%G10%O15%W65%M	0.910
0.00	3955 GIP	0.000

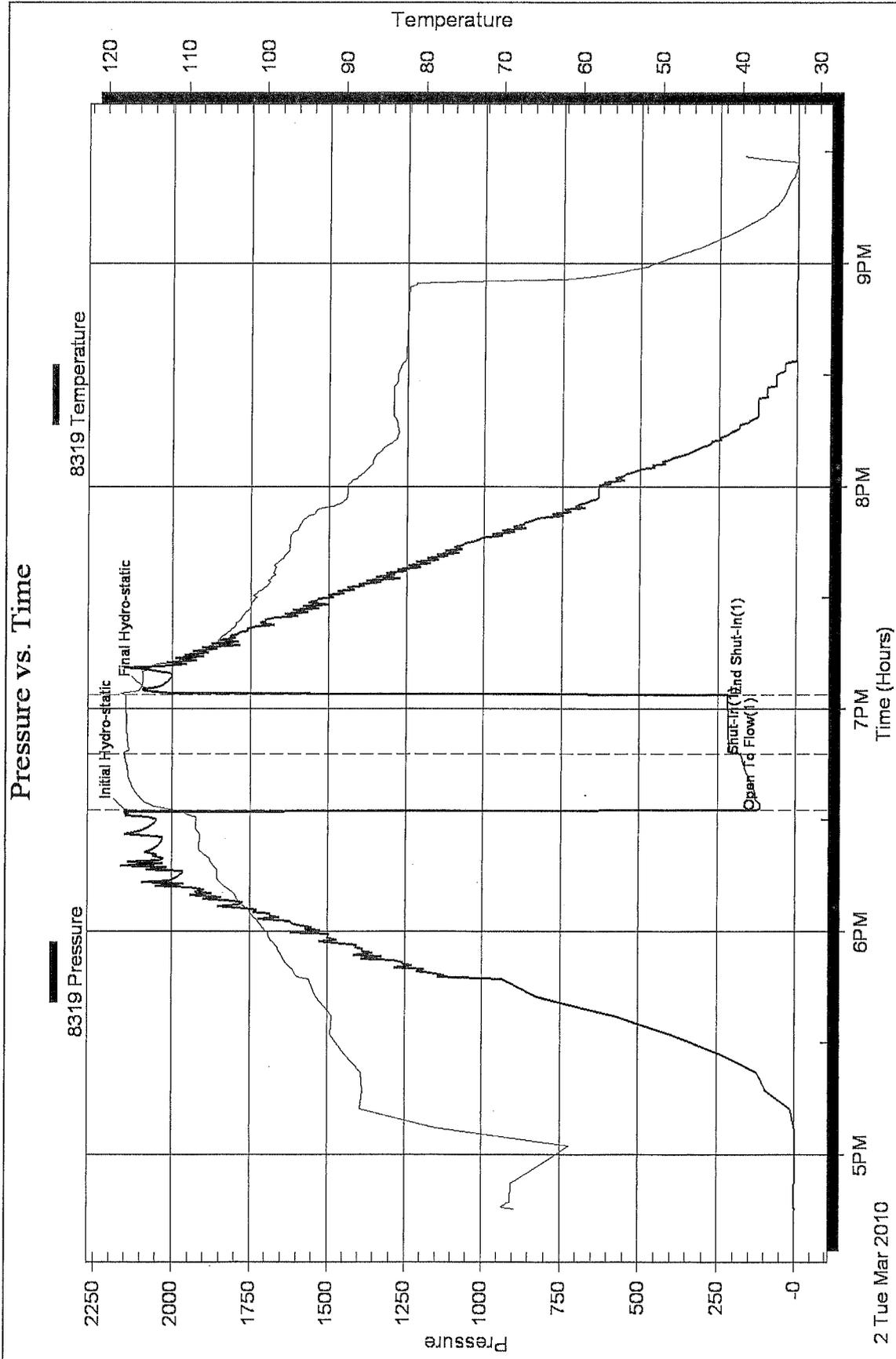
Total Length: 281.00 ft      Total Volume: 1.682 bbl

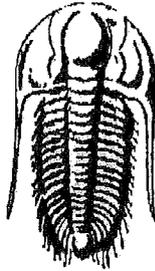
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: RW .21 @ 36F = 25000 chlorides

### Pressure vs. Time





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Hess Oil Company**

225 N Market, suite 300  
Whichita, KS 67202

ATTN: Jamie Hess

**17 17S 22W Ness KS**

**Margie"C" #1**

Start Date: 2010.03.02 @ 22:35:53

End Date: 2010.03.03 @ 05:02:53

Job Ticket #: 38043                      DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Hess Oil Company

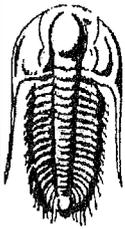
Margie"C" #1

17 17S 22W Ness KS

DST # 2

Cherokee Sand

2010.03.02



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Hess Oil Company  
225 N Market, suite 300  
Whichita, KS 67202  
ATTN: Jamie Hess

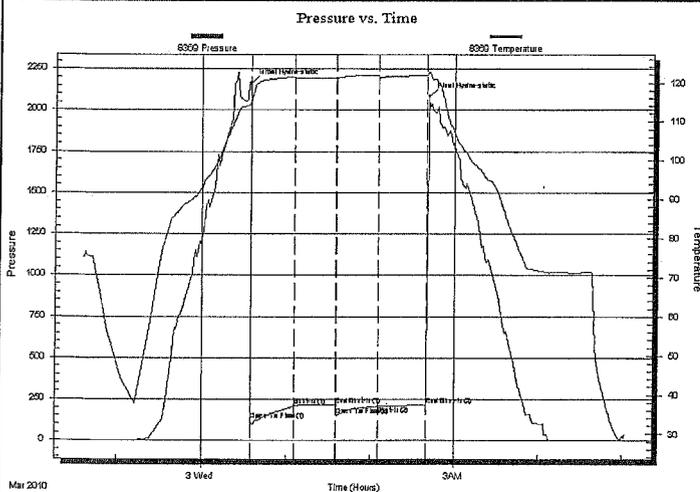
**Margie "C" #1**  
**17 17S 22W Ness KS**  
Job Ticket: 38043      **DST#: 2**  
Test Start: 2010.03.02 @ 22:35:53

## GENERAL INFORMATION:

Formation: **Cherokee Sand**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 00:34:53  
Time Test Ended: 05:02:53  
Interval: **4240.00 ft (KB) To 4269.00 ft (KB) (TVD)**  
Total Depth: **4269.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: Good  
Test Type: Conventional Bottom Hole  
Tester: Jeff Brown  
Unit No: 47  
Reference Elevations: **2314.00 ft (KB)**  
**2309.00 ft (CF)**  
KB to GR/CF: **5.00 ft**

**Serial #: 8369**      **Outside**  
Press@RunDepth: 208.70 psig @ 4241.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2010.03.02      End Date: 2010.03.03      Last Calib.: 2010.03.03  
Start Time: 22:35:58      End Time: 05:02:52      Time On Btm: 2010.03.03 @ 00:34:23  
Time Off Btm: 2010.03.03 @ 02:41:53

**TEST COMMENT:** IFP-BOB in 15 sec Gas to surface in 6 min  
IS- Continuous blow off of bob w ith gas to surface  
FFP-Continuous off of BOB w ith gas to surface  
FSI-Continuous blow off of bob w ith gas to surface



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2163.91	114.96	Initial Hydro-static
1	121.81	114.44	Open To Flow (1)
31	210.45	121.28	Shut-In(1)
61	216.00	121.21	End Shut-In(1)
61	154.36	120.53	Open To Flow (2)
91	208.70	121.90	Shut-In(2)
126	213.31	121.76	End Shut-In(2)
128	2085.26	122.56	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
95.00	HOCGM 65%M10%G25%O	0.47
186.00	HOCGMW 35%O20%G20%M25%W	1.22
62.00	SOCMW 5%O20%M75%W	0.87
0.00	3893 GIP	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Hess Oil Company  
225 N Market, suite 300  
Whichita, KS 67202  
ATTN: Jamie Hess

**Margie "C" #1**  
**17 17S 22W Ness KS**  
Job Ticket: 38043      DST#: 2  
Test Start: 2010.03.02 @ 22:35:53

### Tool Information

Drill Pipe:	Length: 3988.00 ft	Diameter: 3.80 inches	Volume: 55.94 bbl	Tool Weight: 2000.00 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: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 84000.00 lb
			<u>Total Volume: 57.16 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4240.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	58.00 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			4212.00	
Shut In Tool	5.00			4217.00	
Hydraulic tool	5.00			4222.00	
Jars	5.00			4227.00	
Safety Joint	3.00			4230.00	
Packer	5.00			4235.00	29.00      Bottom Of Top Packer
Packer	5.00			4240.00	
Stubb	1.00			4241.00	
Recorder	0.00	8319	Inside	4241.00	
Recorder	0.00	8369	Outside	4241.00	
Perforations	25.00			4266.00	
Bullnose	3.00			4269.00	29.00      Bottom Packers & Anchor

**Total Tool Length: 58.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Hess Oil Company  
225 N Market, suite 300  
Whichita, KS 67202  
ATTN: Jamie Hess

**Margie "C" #1**  
**17 17S 22W Ness KS**  
Job Ticket: 38043      **DST#: 2**  
Test Start: 2010.03.02 @ 22:35:53

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	30000 ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.95 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
95.00	HOCGM 65%M10%G25%O	0.467
186.00	HOCGMW 35%O20%G20%M25%W	1.215
62.00	SOCMW 5%O20%M75%W	0.870
0.00	3893 GIP	0.000

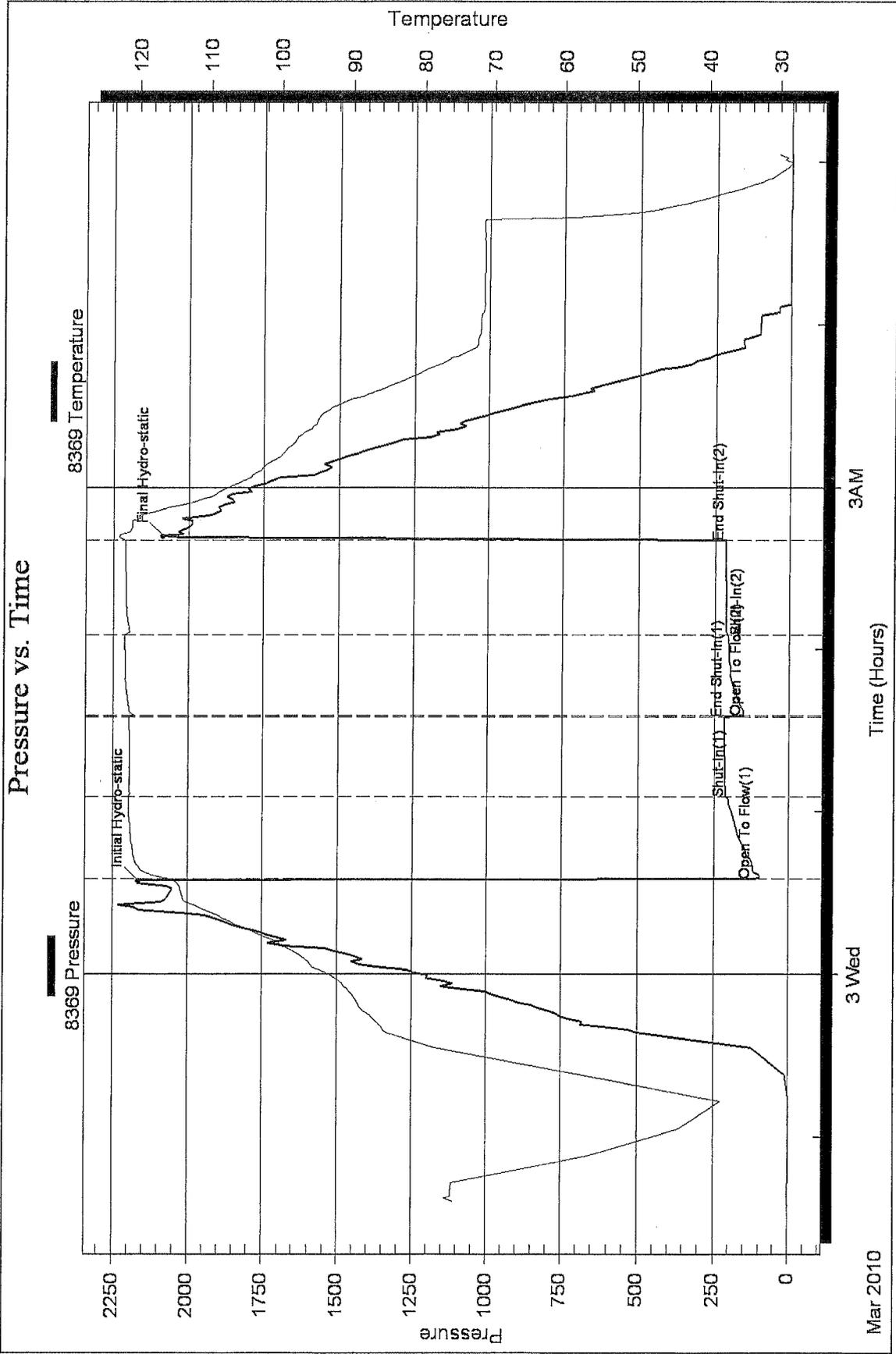
Total Length: 343.00 ft      Total Volume: 2.552 bbl

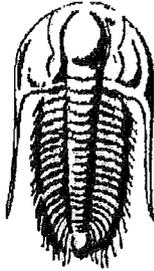
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: RW .20 @ 26F = 30000 chlorides

### Pressure vs. Time





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Hess Oil Company**

225 N Market, suite 300  
Whichita, KS 67202

ATTN: Jamie Hess

**17 17S 22W Ness KS**

**Margie"C" #1**

Start Date: 2010.03.03 @ 14:45:04

End Date: 2010.03.03 @ 20:49:04

Job Ticket #: 38044                      DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Hess Oil Company

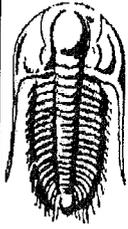
Margie"C" #1

17 17S 22W Ness KS

DST # 3

MISS

2010.03.03



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Hess Oil Company  
225 N Market, suite 300  
Whichita, KS 67202  
ATTN: Jamie Hess

**Margie "C" #1**  
**17 17S 22W Ness KS**  
Job Ticket: 38044      DST#: 3  
Test Start: 2010.03.03 @ 14:45:04

## GENERAL INFORMATION:

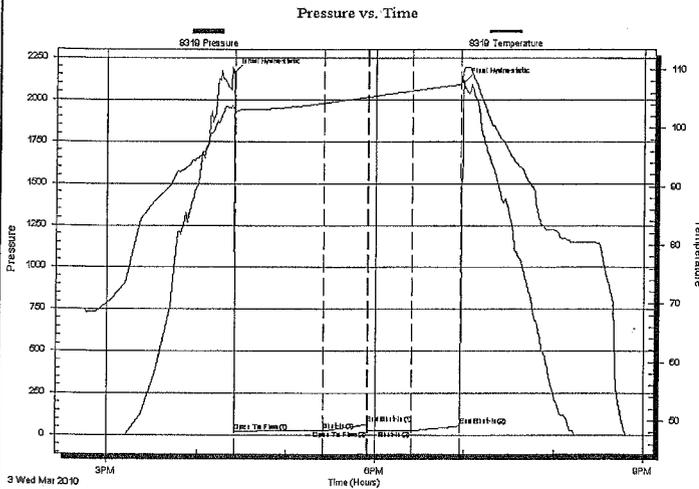
Formation: **MISS**  
Deviated: No    Whipstock:                      ft (KB)  
Time Tool Opened: 16:25:04  
Time Test Ended: 20:49:04  
Interval: **4298.00 ft (KB) To 4344.00 ft (KB) (TVD)**  
Total Depth: **4344.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: Good  
Test Type: Conventional Bottom Hole  
Tester: Jeff Brown  
Unit No: 47  
Reference Elevations: 2314.00 ft (KB)  
2309.00 ft (CF)  
KB to GR/CF: 5.00 ft

## Serial #: 8319

Inside

Press@RunDepth: 28.47 psig @ 4299.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2010.03.03      End Date: 2010.03.03      Last Calib.: 2010.03.03  
Start Time: 14:45:09      End Time: 20:49:03      Time On Btm: 2010.03.03 @ 16:24:34  
Time Off Btm: 2010.03.03 @ 18:59:04

TEST COMMENT: IFP-Weak blow built to 1/2 in, died back to 1/4 in  
ISI-Dead no blow back  
FFP-Dead no blow  
FSI-Dead no blow back



## PRESSURE SUMMARY

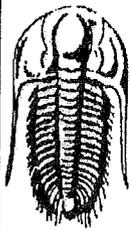
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2162.56	103.04	Initial Hydro-static
1	23.18	102.53	Open To Flow (1)
61	28.84	104.20	Shut-In(1)
90	67.32	105.23	End Shut-In(1)
91	28.55	105.23	Open To Flow (2)
120	28.47	106.33	Shut-In(2)
153	57.16	107.44	End Shut-In(2)
155	2107.36	110.07	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud	0.07

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Hess Oil Company  
225 N Market, suite 300  
Whichita, KS 67202  
  
ATTN: Jamie Hess

**Margie "C" #1**  
**17 17S 22W Ness KS**  
Job Ticket: 38044      **DST#: 3**  
Test Start: 2010.03.03 @ 14:45:04

### Tool Information

Drill Pipe:	Length: 4046.00 ft	Diameter: 3.80 inches	Volume: 56.75 bbl	Tool Weight: 2000.00 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: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 72000.00 lb
			<b>Total Volume: 57.97 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	4298.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.00 ft			
Tool Length:	70.00 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			4275.00	
Shut In Tool	5.00			4280.00	
Hydraulic tool	5.00			4285.00	
Safety Joint	3.00			4288.00	
Packer	5.00			4293.00	24.00 Bottom Of Top Packer
Packer	5.00			4298.00	
Stubb	1.00			4299.00	
Recorder	0.00	8319	Inside	4299.00	
Recorder	0.00	8369	Outside	4299.00	
Perforations	5.00			4304.00	
Change Over Sub	1.00			4305.00	
Blank Spacing	31.00			4336.00	
Change Over Sub	1.00			4337.00	
Perforations	4.00			4341.00	
Bullnose	3.00			4344.00	46.00 Bottom Packers & Anchor

**Total Tool Length: 70.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Hess Oil Company  
225 N Market, suite 300  
Whichita, KS 67202  
ATTN: Jamie Hess

**Margie "C" #1**  
**17 17S 22W Ness KS**  
Job Ticket: 38044      **DST#: 3**  
Test Start: 2010.03.03 @ 14:45:04

### Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	48.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.98 in <sup>3</sup>	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

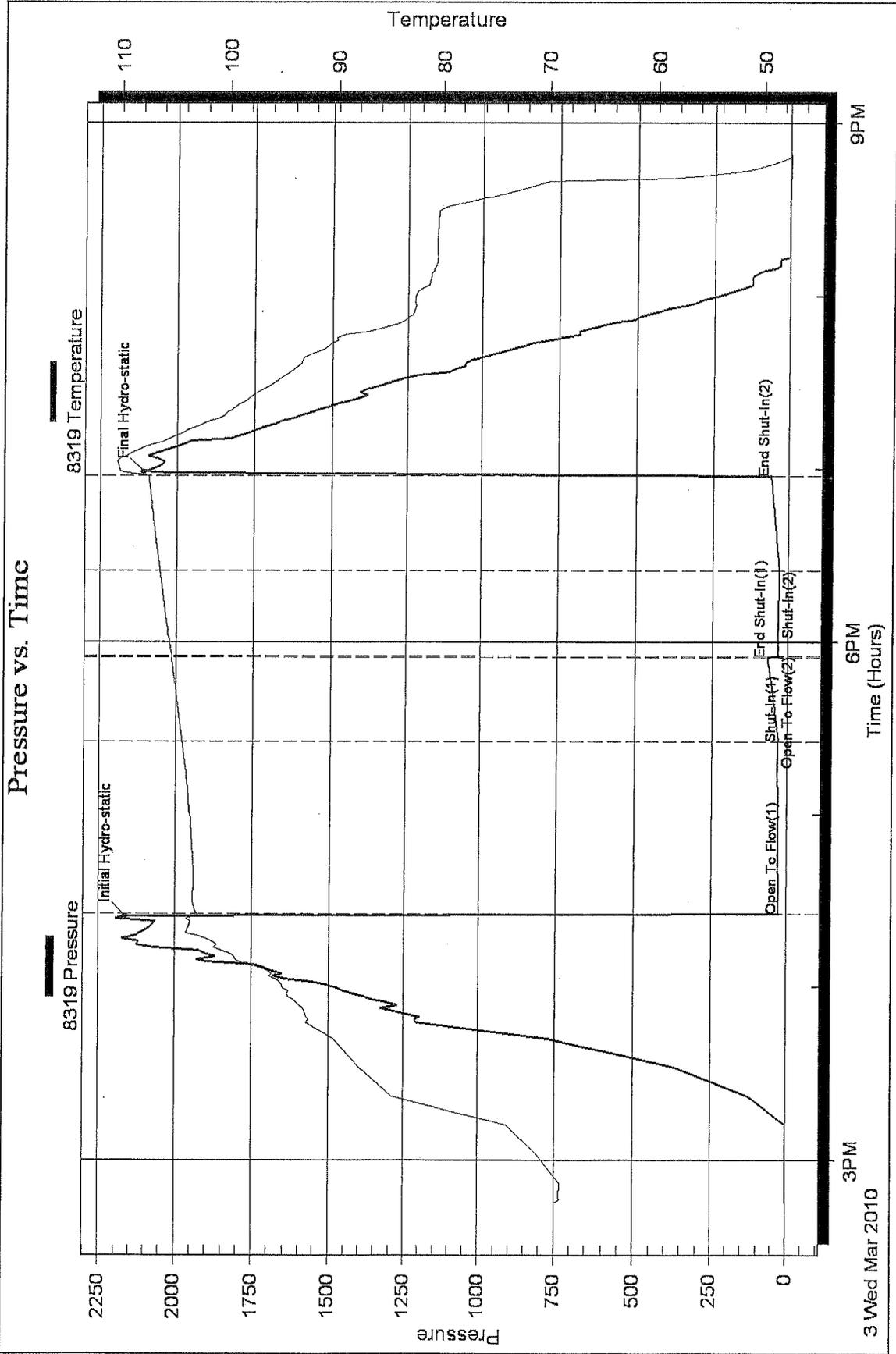
### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud	0.074

Total Length: 15.00 ft      Total Volume: 0.074 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 Company**

225 N Market, suite 300  
Whichita, KS 67202

ATTN: Jamie Hess

**17 17S 22W Ness KS**

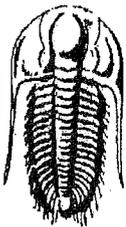
**Margie"C" #1**

Start Date: 2010.03.04 @ 01:05:08

End Date: 2010.03.04 @ 08:10:38

Job Ticket #: 38045                      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 Company  
225 N Market, suite 300  
Whichita, KS 67202  
ATTN: Jamie Hess

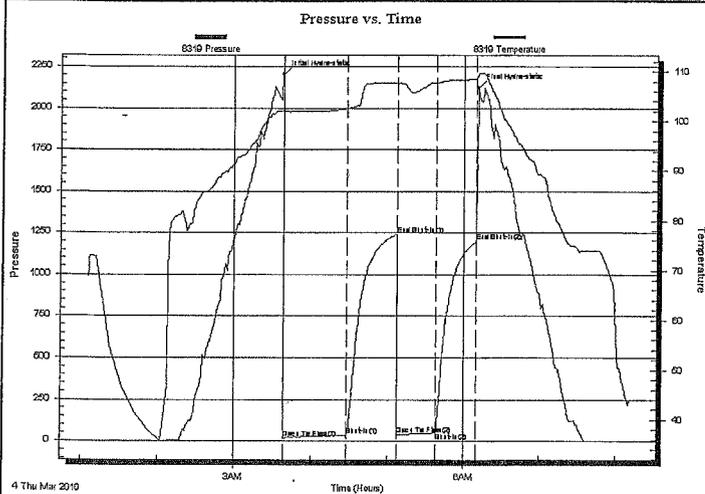
**Margie "C" #1**  
**17 17S 22W Ness KS**  
Job Ticket: 38045      **DST#: 4**  
Test Start: 2010.03.04 @ 01:05:08

## GENERAL INFORMATION:

Formation: **MISS**  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 03:38:38  
Time Test Ended: 08:10:38  
Interval: **4298.00 ft (KB) To 4350.00 ft (KB) (TVD)**  
Total Depth: **4350.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: Good  
Test Type: Conventional Bottom Hole  
Tester: Jeff Brown  
Unit No: 47  
Reference Elevations: **2314.00 ft (KB)**  
**2309.00 ft (CF)**  
KB to GR/CF: **5.00 ft**

**Serial #: 8319**      **Inside**  
Press@RunDepth: **50.58 psig @ 4299.00 ft (KB)**      Capacity: **8000.00 psig**  
Start Date: **2010.03.04**      End Date: **2010.03.04**      Last Calib.: **2010.03.04**  
Start Time: **01:05:13**      End Time: **08:10:37**      Time On Btm: **2010.03.04 @ 03:38:08**  
Time Off Btm: **2010.03.04 @ 06:10:38**

**TEST COMMENT:** IFF-Weak blow built to 2 in  
ISI-Dead no blow back  
FFP-Weak blow built to 3/4 in  
FSI-Dead no blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2204.52	101.91	Initial Hydro-static
1	19.31	101.71	Open To Flow (1)
50	36.43	102.52	Shut-In(1)
90	1241.58	107.77	End Shut-In(1)
90	41.65	107.54	Open To Flow (2)
120	50.58	107.67	Shut-In(2)
152	1199.18	108.47	End Shut-In(2)
153	2124.50	109.46	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
75.00	Mud	0.37

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Hess Oil Company  
225 N Market, suite 300  
Whichita, KS 67202

**Margie "C" #1**

**17 17S 22W Ness KS**

Job Ticket: 38045

**DST#: 4**

ATTN: Jamie Hess

Test Start: 2010.03.04 @ 01:05:08

### Tool Information

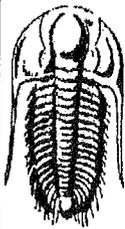
Drill Pipe:	Length: 4046.00 ft	Diameter: 3.80 inches	Volume: 56.75 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 72000.00 lb
			<b>Total Volume: 57.97 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4298.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.00 ft			
Tool Length:	76.00 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			4275.00	
Shut In Tool	5.00			4280.00	
Hydraulic tool	5.00			4285.00	
Safety Joint	3.00			4288.00	
Packer	5.00			4293.00	24.00 Bottom Of Top Packer
Packer	5.00			4298.00	
Stubb	1.00			4299.00	
Recorder	0.00	8319	Inside	4299.00	
Recorder	0.00	8369	Outside	4299.00	
Perforations	10.00			4309.00	
Change Over Sub	1.00			4310.00	
Blank Spacing	31.00			4341.00	
Change Over Sub	1.00			4342.00	
Perforations	5.00			4347.00	
Bullnose	3.00			4350.00	52.00 Bottom Packers & Anchor

**Total Tool Length: 76.00**



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Hess Oil Company  
225 N Market, suite 300  
Whichita, KS 67202  
ATTN: Jamie Hess

**Margie "C" #1**  
**17 17S 22W Ness KS**  
Job Ticket: 38045      **DST#: 4**  
Test Start: 2010.03.04 @ 01:05:08

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.95 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

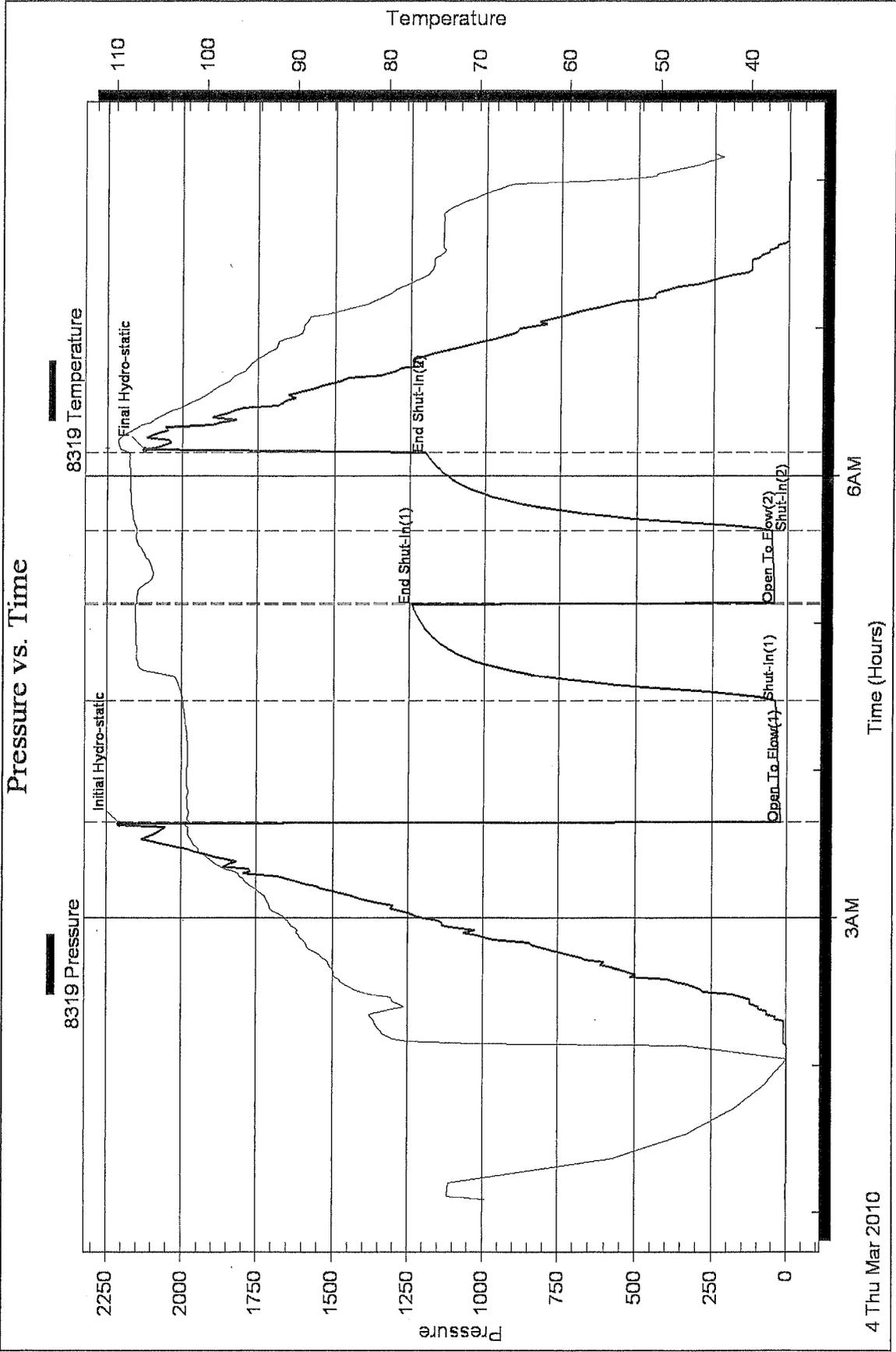
### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
75.00	Mud	0.369

Total Length: 75.00 ft      Total Volume: 0.369 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

### Pressure vs. Time





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## Test Ticket

NO. 38042

13981

Well Name & No. Margie C #1 BY: \_\_\_\_\_ Test No. 1 Date 3-2-10  
 Company Hessol Company Elevation 2314 KB 2309 GL \_\_\_\_\_  
 Address 225 N Market, Suite 300 Wichita, KS 67202  
 Co. Rep / Geo. Jamie Hess Rig Mallard  
 Location: Sec NE 17 Twp. 17S Rge. 22W Co. Ness State Ks

Interval Tested 4240 - 4269 Zone Tested Cherokee sand  
 Anchor Length 29 Drill Pipe Run ~~2988~~ 3988 Mud Wt. 9.3  
 Top Packer Depth 4235 Drill Collars Run ~~248~~ 248 Vis 54  
 Bottom Packer Depth 4240 Wt. Pipe Run 0 WL 9.0  
 Total Depth 4269 Chlorides 4000 ppm System LCM -  
 Blow Description IFP-BOB IN 15 sec gas to surface IN Lamin  
ISI - continuously blow BOB  
FFP-  
FST-

Rec	Feet of	%gas	%oil	%water	%mud
<u>95'</u>	<u>mud with a skin of oil</u>				
<u>402</u>	<u>HOCWm</u>		<u>40%</u>	<u>50%</u>	<u>10%</u>
<u>124</u>	<u>GOSMLW</u>	<u>10%</u>	<u>10%</u>	<u>15%</u>	<u>65%</u>
	<u>3985 GIP</u>				

Rec Total 280 BHT 118 Gravity \_\_\_\_\_ API RW -21 @ 36° F Chlorides 25,200 ppm

(A) Initial Hydrostatic 2144  Test 1150 T-On Location 16:08  
 (B) First Initial Flow 124  Jars \_\_\_\_\_ T-Started 16:49  
 (C) First Final Flow 176  Safety Joint 75- T-Open 18:36  
 (D) Initial Shut-In 219  Circ Sub \_\_\_\_\_ T-Pulled 19:06  
 (E) Second Initial Flow \_\_\_\_\_  Hourly Standby \_\_\_\_\_ T-Out 21:33  
 (F) Second Final Flow \_\_\_\_\_  Mileage 92 RT \_\_\_\_\_ Comments \_\_\_\_\_  
 (G) Final Shut-In \_\_\_\_\_  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2002  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Day Standby \_\_\_\_\_ Sub Total 0  
 Accessibility \_\_\_\_\_ Total 1317-  
 Sub Total 1317-

Initial Open 15  
 Initial Shut-In 15  
 Final Flow OUT  
 Final Shut-In \_\_\_\_\_  
 Approved By Jamie Hess

Our Representative Jeff Brown

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## Test Ticket

NO. 38043

BY: \_\_\_\_\_

Well Name & No. Margie "C" #1 Test No. 2 Date 3-2-10  
 Company Hess oil co Elevation 2314 KB 2309 GL  
 Address 225 N Market, Suite 300 Wichita, KS 67202  
 Co. Rep / Geo. Jamie Hess Rig Mallard  
 Location: Sec. 17 Twp. 17S Rge. 22W Co. Ness State Ks

Interval Tested 4240-4269 Zone Tested Cherokee Sand  
 Anchor Length 29 Drill Pipe Run ~~3988~~ 3988 Mud Wt. 9.3  
 Top Packer Depth 4235 Drill Collars Run ~~248~~ 248 Vis 54  
 Bottom Packer Depth 4240 Wt. Pipe Run 0 WL 9.0  
 Total Depth 4269 Chlorides 4000 ppm System LCM -

Blow Description IFP Bob in 15 sec Gas to surface in 4 min  
ISF continuous Blow off of Bob with gas to surface  
FFP continuously off of Bob with gas to surface  
FSI continuous Blow off Bob with gas to surface

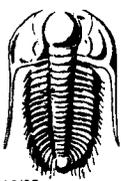
Rec	Feet of	%gas	%oil	%water	%mud
<u>95</u>	<u>Feet of Hoc Gm</u>	<u>10%</u>	<u>25%</u>	<u>65%</u>	<u>0%</u>
<u>186</u>	<u>Feet of Hoc Gm W</u>	<u>20%</u>	<u>35%</u>	<u>25%</u>	<u>20%</u>
<u>62</u>	<u>Feet of Sclm W</u>	<u>0%</u>	<u>5%</u>	<u>75%</u>	<u>20%</u>
<u>    </u>	<u>Feet of <del>    </del> GIP</u>	<u>    %</u>	<u>    %</u>	<u>    %</u>	<u>    %</u>
<u>    </u>	<u>Feet of <u>3893</u></u>	<u>    %</u>	<u>    %</u>	<u>    %</u>	<u>    %</u>

Rec Total 343 BHT 122 Gravity \_\_\_\_\_ API RW .20 @ 26 °F Chlorides 3000 ppm

(A) Initial Hydrostatic 2164  Test 1150 T-On Location 16:08  
 (B) First Initial Flow 122  Jars 250 T-Started 22:35  
 (C) First Final Flow 210  Safety Joint 75 T-Open 12:34  
 (D) Initial Shut-In 216  Circ Sub \_\_\_\_\_ T-Pulled 2:34  
 (E) Second Initial Flow 154  Hourly Standby \_\_\_\_\_ T-Out 5:22  
 (F) Second Final Flow 209  Mileage 92 RT Comments \_\_\_\_\_  
 (G) Final Shut-In 213  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2024  Straddle \_\_\_\_\_

Initial Open 30  Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Final Flow 30  Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Shut-In 30  Day Standby \_\_\_\_\_ Sub Total 0  
 Accessibility \_\_\_\_\_ Total 1567  
 Sub Total 1567

Approved By Jamie Hess Our Representative Jeff Brown  
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## Test Ticket

NO. 38044

10/08

Well Name & No. Margie "C" #1 BY: \_\_\_\_\_ Test No. 3 Date 3-3-10  
 Company Hess Oil Co Elevation 2314 KB 2309 GL \_\_\_\_\_  
 Address 225 N Market, Suite 300 Wichita KS 67202  
 Co. Rep / Geo. Jamie Hess Rig Mallard  
 Location: Sec. 17 Twp. 17S Rge. 22W Co. Ness State KS

Interval Tested 4298 - 4344 Zone Tested MISS  
 Anchor Length 46 Drill Pipe Run 4049 Mud Wt. 9.3  
 Top Packer Depth 4293 Drill Collars Run 248 Vis 48  
 Bottom Packer Depth 4298 Wt. Pipe Run 0 WL 9.0  
 Total Depth 4344 Chlorides 4000 ppm System LCM \_\_\_\_\_

Blow Description IFP - Weak Blow Built To 1/2 IN Died Back To 1/4 IN  
FSI Dead No Blow Back  
FFP Dead No Blow  
FSI Dead No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>Mud</u>				

Rec Total 15 BHT 107 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2263  Test 1150 T-On Location 13:51  
 (B) First Initial Flow 23  Jars   T-Started 14:45  
 (C) First Final Flow 29  Safety Joint 75 T-Open 16:25  
 (D) Initial Shut-In 67  Circ Sub \_\_\_\_\_ T-Pulled 18:55  
 (E) Second Initial Flow 29  Hourly Standby \_\_\_\_\_ T-Out 20:49  
 (F) Second Final Flow 28  Mileage 92 RT Comments \_\_\_\_\_  
 (G) Final Shut-In 57  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2107  Straddle \_\_\_\_\_

Initial Open 60  Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Final Flow 30  Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Shut-In 30  Day Standby \_\_\_\_\_ Sub Total 0  
 Sub Total 1317 Total 1317

Approved By \_\_\_\_\_ Our Representative Jeff Brown

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BY: \_\_\_\_\_

## Test Ticket

No. 38045

Well Name & No. Margie "C" #1 Test No. 4 Date 3-4-10  
 Company Hess Oil Co Elevation 2314 KB 2309 GL  
 Address 225 N Market, Suite 300 Wichita KS 67202  
 Co. Rep / Geo. Jamie Hess Rig Mallard  
 Location: Sec. 17 Twp. 17S Rge 22W Co. NESS State KS

Interval Tested 4298 - 4350 Zone Tested MISS  
 Anchor Length 52 Drill Pipe Run 4046 Mud Wt. 9.3  
 Top Packer Depth 4293 Drill Collars Run 248 Vis 55  
 Bottom Packer Depth 4298 Wt. Pipe Run 0 WL 9.0  
 Total Depth 4350 Chlorides 4000 ppm System LCM —

Blow Description IFP - Weak Blow Built to 2 IN  
ISF - Dead No Blow  
FFP - Weak Blow Built to 3/4 IN  
FSF - Dead No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>75'</u>	<u>MUD</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 75' BHT 108 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2205  Test 1150" T-On Location 00:28  
 (B) First Initial Flow 19  Jars \_\_\_\_\_ T-Started 1:05  
 (C) First Final Flow 360  Safety Joint 75" T-Open 3:38  
 (D) Initial Shut-In 1242  Circ Sub \_\_\_\_\_ T-Pulled 6:08  
 (E) Second Initial Flow 42  Hourly Standby \_\_\_\_\_ T-Out 8:11  
 (F) Second Final Flow 51  Mileage 92 RT Comments \_\_\_\_\_  
 (G) Final Shut-In 1199  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2078  Straddle \_\_\_\_\_

Initial Open 60  Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Final Flow 30  Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Shut-In 30  Day Standby \_\_\_\_\_ Sub Total 0  
 Accessibility \_\_\_\_\_ Total 1317"  
 Sub Total 1317"

Approved By \_\_\_\_\_ Our Representative Jeff Brown

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