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KANSAS CORPORATION COMMISSION

OCT 17 2003

CONSERVATION DIVISION  
WICHITA, KS



## DRILL STEM TEST REPORT

Prepared For: **Dixon-Dearmore Oil Co., Inc.**

105 S. Broadway Ste. #900  
Wichita, Ks. 67202

ATTN: Micheal W. Dixon

**7-33s-12w**

**Hospital # 1**

Start Date: 2003.02.10 @ 06:23:59

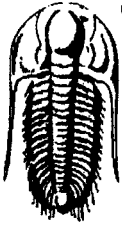
End Date: 2003.02.10 @ 14:15:59

Job Ticket #: 17426      DST #: 1

Relo:  
JUL 12  
FR  
Conf.

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Dixon-Dearmore Oil Co., Inc.

**Hospital # 1**

105 S. Broadway Ste. #900  
Wichita, Ks. 67202

**7-33s-12w**

Job Ticket: 17426

**DST#: 1**

ATTN: Micheal W. Dixon

Test Start: 2003.02.10 @ 06:23:59

### Tool Information

Drill Pipe:	Length: 3486.00 ft	Diameter: 3.80 inches	Volume: 48.90 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 231.00 ft	Diameter: 2.25 inches	Volume: 1.14 bbl	Weight to Pull Loose: 74000.00 lb
			<u>Total Volume: 50.04 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	3731.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	56.02 ft			
Tool Length:	78.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3710.00	
S.I. Tool	5.00			3715.00	
HMV	5.00			3720.00	
Safety Joint	2.00			3722.00	
Packer	4.00			3726.00	22.00 Bottom Of Top Packer
Packer	5.00			3731.00	
Stubb	1.00			3732.00	
Perforations	4.00			3736.00	
C.O. Sub	1.00			3737.00	
Recorder	0.01	3017	Inside	3737.01	
Blank Spacing	31.00			3768.01	
C.O. Sub	1.00			3769.01	
Perforations	15.00			3784.01	
Recorder	0.01	13308	Outside	3784.02	
Bullnose	3.00			3787.02	56.02 Bottom Packers & Anchor

**Total Tool Length: 78.02**



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## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Dixon-Dearmore Oil Co., Inc.

**Hospital # 1**

105 S. Broadway Ste. #900  
Wichita, Ks. 67202

**7-33s-12w**

Job Ticket: 17426

**DST#: 1**

ATTN: Micheal W. Dixon

Test Start: 2003.02.10 @ 06:23:59

### 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: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.77 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
150.00	Drilling Mud	0.738

Total Length: 150.00 ft      Total Volume: 0.738 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

Dixon-Dearmore Oil Co., Inc.

**Hospital # 1**

105 S. Broadway Ste. #900  
Wichita, Ks. 67202

**7-33s-12w**

Job Ticket: 17426

**DST#: 1**

ATTN: Micheal W. Dixon

Test Start: 2003.02.10 @ 06:23:59

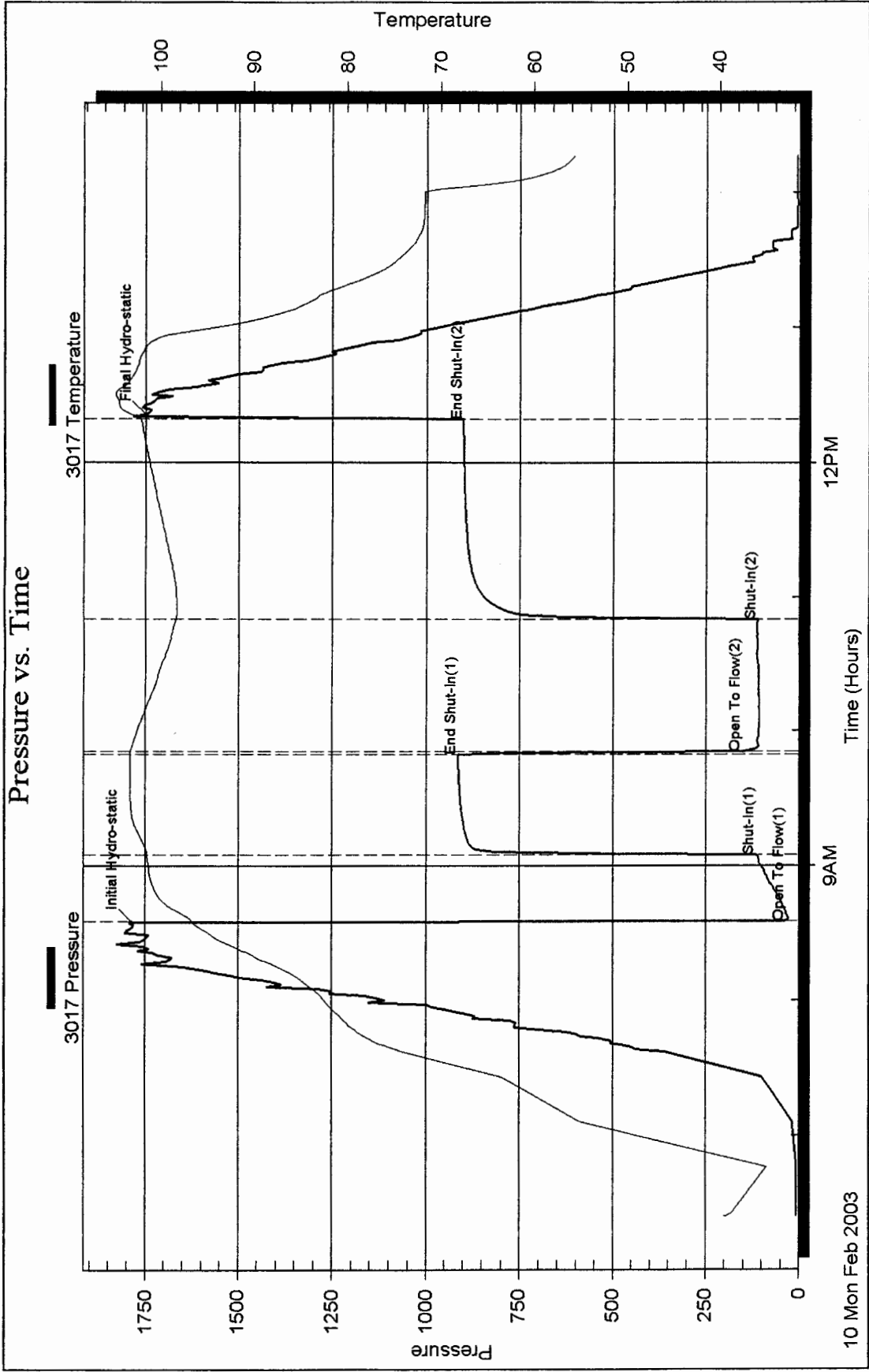
### Gas Rates Information

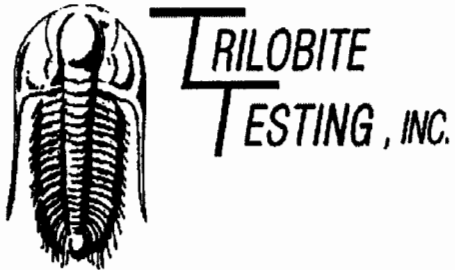
Temperature: 60 deg C  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m <sup>3</sup> /d)
1	20	0.13	20.00	12.88
1	25	0.13	20.00	12.86
1	30	0.13	35.00	18.47
2	10	0.50	25.00	265.52
2	20	0.50	25.00	265.52
2	30	0.50	25.00	265.52
2	40	0.50	25.00	265.52
2	50	0.50	25.00	265.52
2	50	0.50	25.00	265.52
2	60	0.50	25.00	265.52
1	60	0.50	25.00	265.52

### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Dixon-Dearmore Oil Co.,Inc.**

105 S.Broadway Ste.#900  
Wichita,Ks.67202

ATTN: Micheal W.Dixon

**7-33s-12w**

**Hospital # 1**

Start Date: 2003.02.12 @ 22:19:16

End Date: 2003.02.13 @ 06:38:46

Job Ticket #: 16550                      DST #: 2

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Dixon-Dearmore Oil Co.,Inc.

Hospital # 1

7-33s-12w

DST # 2

Miss.

2003.02.12



**TRILOBITE  
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## DRILL STEM TEST REPORT

Dixon-Dearmore Oil Co., Inc.  
105 S. Broadway Ste. #900  
Wichita, Ks. 67202  
ATTN: Micheal W. Dixon

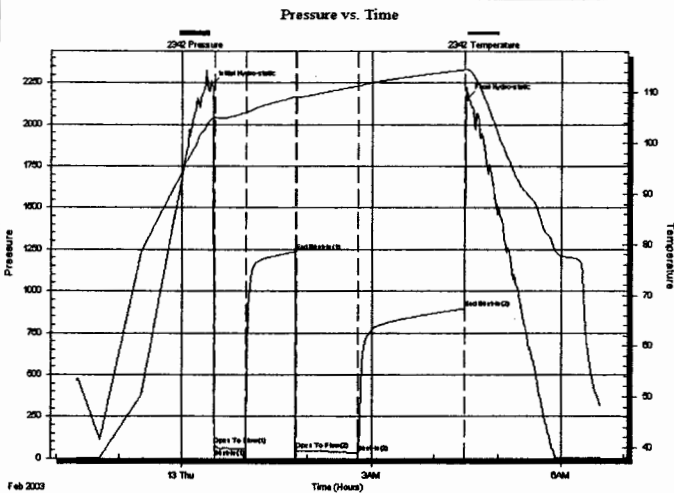
**Hospital # 1**  
**7-33s-12w**  
Job Ticket: 16550      **DST#: 2**  
Test Start: 2003.02.12 @ 22:19:16

### GENERAL INFORMATION:

Formation: **Miss.**  
Deviated: **No** Whipstock:                      ft (KB)  
Time Tool Opened: 00:31:31  
Time Test Ended: 06:38:46  
Interval: **4435.00 ft (KB) To 4480.00 ft (KB) (TVD)**  
Total Depth: **4480.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Poor**  
Reference Elevations: **1586.00 ft (KB)**  
**1581.00 ft (CF)**  
KB to GR/CF: **5.00 ft**

**Serial #: 2342**      **Inside**  
Press@RunDepth: **33.86 psig @ 4436.00 ft (KB)**      Capacity: **7000.00 psig**  
Start Date: **2003.02.12**      End Date: **2003.02.13**      Last Calib.: **2003.02.13**  
Start Time: **22:19:17**      End Time: **06:38:46**      Time On Btm: **2003.02.13 @ 00:28:16**  
Time Off Btm: **2003.02.13 @ 04:31:01**

**TEST COMMENT:** F: Strong blow . GTS in 3 mins. (see gas volume report)  
IS: No blow .  
FF: Strong blow . (see gas volume report)  
FS: Weak blow . 1/2 - 3/4".



### PRESSURE SUMMARY

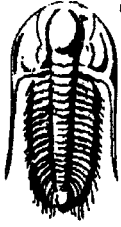
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2240.99	104.83	Initial Hydro-static
4	79.68	105.07	Open To Flow (1)
34	53.78	106.11	Shut-In (1)
80	1235.12	109.18	End Shut-In (1)
81	49.55	109.18	Open To Flow (2)
139	33.86	111.31	Shut-In (2)
241	895.29	114.59	End Shut-In (2)
243	2159.58	114.64	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
40.00	SGCM 5%g 95%m	0.20

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	18.00	218.56
Last Gas Rate	0.50	8.00	151.10
Max. Gas Rate	0.50	21.00	238.80



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**TOOL DIAGRAM**

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**Hospital # 1**

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Wichita, Ks. 67202

**7-33s-12w**

Job Ticket: 16550

**DST#: 2**

ATTN: Micheal W. Dixon

Test Start: 2003.02.12 @ 22:19:16

### Tool Information

Drill Pipe:	Length: 4296.00 ft	Diameter: 3.80 inches	Volume: 60.26 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 76000.00 lb
			<u>Total Volume: 60.85 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4435.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	67.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4414.00	
S.I. Tool	5.00			4419.00	
HMV	5.00			4424.00	
Safety Joint	2.00			4426.00	
Packer	4.00			4430.00	22.00 Bottom Of Top Packer
Packer	5.00			4435.00	
Stubb	1.00			4436.00	
Recorder	0.00	2342	inside	4436.00	
Perforations	39.00			4475.00	
Recorder	0.00	13222	Outside	4475.00	
Bullnose	5.00			4480.00	45.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>				<b>67.00</b>	



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**FLUID SUMMARY**

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**Hospital # 1**

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Wichita, Ks. 67202

**7-33s-12w**

Job Ticket: 16550

**DST#: 2**

ATTN: Micheal W. Dixon

Test Start: 2003.02.12 @ 22:19:16

### 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:

5000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.37 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	SGCM 5%g 95%m	0.197

Total Length: 40.00 ft

Total Volume: 0.197 bbl

Num Fluid Samples: 0

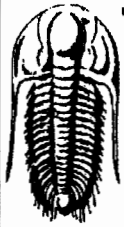
Num Gas Bombs: 1

Serial #: gp-2

Laboratory Name: Caraway

Laboratory Location: Liberal KS

Recovery Comments:



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## DRILL STEM TEST REPORT

**GAS RATES**

Dixon-Dearmore Oil Co., Inc.

**Hospital # 1**

105 S. Broadway Ste. #900  
Wichita, Ks. 67202

**7-33s-12w**

Job Ticket: 16550

**DST#: 2**

ATTN: Micheal W. Dixon

Test Start: 2003.02.12 @ 22:19:16

### Gas Rates Information

Temperature: 59 deg C  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m <sup>3</sup> /d)
1	5	0.50	18.00	218.56
1	10	0.50	21.00	238.80
1	20	0.50	21.00	238.80
1	30	0.50	19.00	225.31
2	10	0.50	14.00	191.58
2	20	0.50	13.00	184.83
2	30	0.50	12.00	178.09
2	40	0.50	11.00	171.34
2	50	0.50	10.00	164.59
2	60	0.50	8.00	151.10

Serial #: 2342

Inside

Dixon-Dearmore Oil Co., Inc.

7--33s--12w

DST Test Number: 2

### Pressure vs. Time

