



DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Co., Inc.**

12950 E. 13th St.
Wichita, KS 67230

ATTN: Kim Shoemaker

Sec. 13 10s 33w Th

Kriss Farms #1

Start Date: 2005.12.07 @ 21:16:01

End Date: 2005.12.08 @ 06:38:00

Job Ticket #: 23157 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Hartman Oil Co., Inc.

Kriss Farms #1

Sec. 13 10s 33w Th

DST # 1

L KC "B"

2005.12.07



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Hartman Oil Co., Inc.

12950 E. 13th St.
Wichita, KS 67230

ATTN: Kim Shoemaker

Kriss Farms #1

Sec. 13 10s 33w Th

Job Ticket: 23157

DST#: 1

Test Start: 2005.12.07 @ 21:16:01

GENERAL INFORMATION:

Formation: L KC "B"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:39:00

Time Test Ended: 06:38:00

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 15

Interval: 4086.00 ft (KB) To 4110.00 ft (KB) (TVD)

Total Depth: 4110.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3136.00 ft (KB)

3131.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8017

Inside

Press@RunDepth: 895.15 psig @ 4087.00 ft (KB)

Start Date: 2005.12.07

End Date: 2005.12.08

Capacity: 7000.00 psig

Last Calib.: 2005.12.08

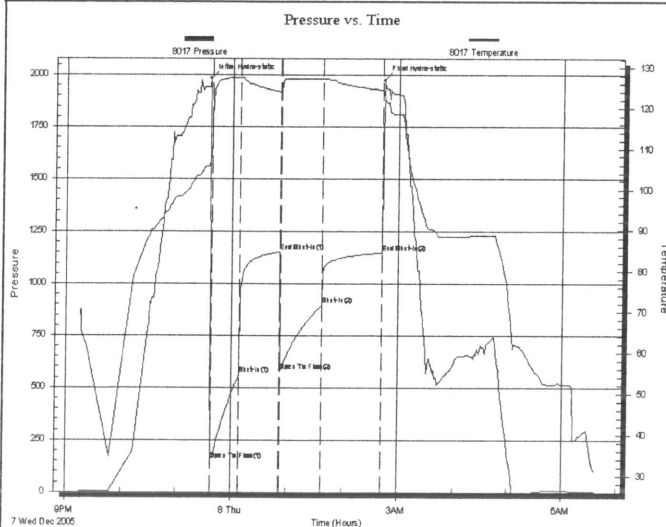
Start Time: 21:16:01

End Time: 06:38:00

Time On Btm: 2005.12.07 @ 23:36:15

Time Off Btm: 2005.12.08 @ 02:43:30

TEST COMMENT: IF: 1 1/2" blow reduced to 3/4" in 30 min.
IS: No return over 45 min.
FF: 2" blow built 5 1/2" then reduced to 2" over 45 min.
FS: No return over 60 min.



PRESSURE SUMMARY

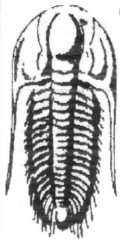
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1982.02	105.77	Initial Hydro-static
3	152.80	117.15	Open To Flow (1)
33	564.05	127.31	Shut-In(1)
76	1151.77	123.87	End Shut-In(1)
77	579.86	124.12	Open To Flow (2)
122	895.15	127.13	Shut-In(2)
186	1147.12	124.39	End Shut-In(2)
188	1974.20	122.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Oil 100% Oil	0.01
244.00	VSOMCW 5% Oil 40% Mud 55% Water	3.42
1560.00	Water 100% Water	21.88
60.00	WCM 40% Water 60% Mud	0.84

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hartman Oil Co., Inc.

12950 E 13th St.
Wichita, KS 67230

ATTN: Kim Shoemaker

Kriss Farms #1

Sec. 13 10s 33w Th

Job Ticket: 23157

DST#: 1

Test Start: 2005.12.07 @ 21:16:01

Tool Information

Drill Pipe:	Length: 4094.00 ft	Diameter: 3.80 inches	Volume: 57.43 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: 26000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 83000.00 lb
		Total Volume: 57.43 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4086.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	43.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4072.00	
Hydraulic tool	5.00			4077.00	
Packer	5.00			4082.00	19.00 Bottom Of Top Packer
Packer	4.00			4086.00	
Stubb	1.00			4087.00	
Recorder	0.00	8017	Inside	4087.00	
Perforations	18.00			4105.00	
Recorder	0.00	13309	Inside	4105.00	
Bullnose	5.00			4110.00	24.00 Bottom Packers & Anchor
Total Tool Length:	43.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

Hartman Oil Co., Inc.

Kriss Farms #1

12950 E. 13th St.
Wichita, KS 67230

Sec. 13 10s 33w Th

Job Ticket: 23157

DST#: 1

ATTN: Kim Shoemaker

Test Start: 2005.12.07 @ 21:16:01

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

100000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.74 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Oil 100% Oil	0.014
244.00	VSOMCW 5% Oil 40% Mud 55% Water	3.423
1560.00	Water 100% Water	21.883
60.00	WCM 40% Water 60% Mud	0.842

Total Length: 1865.00 ft

Total Volume: 26.162 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

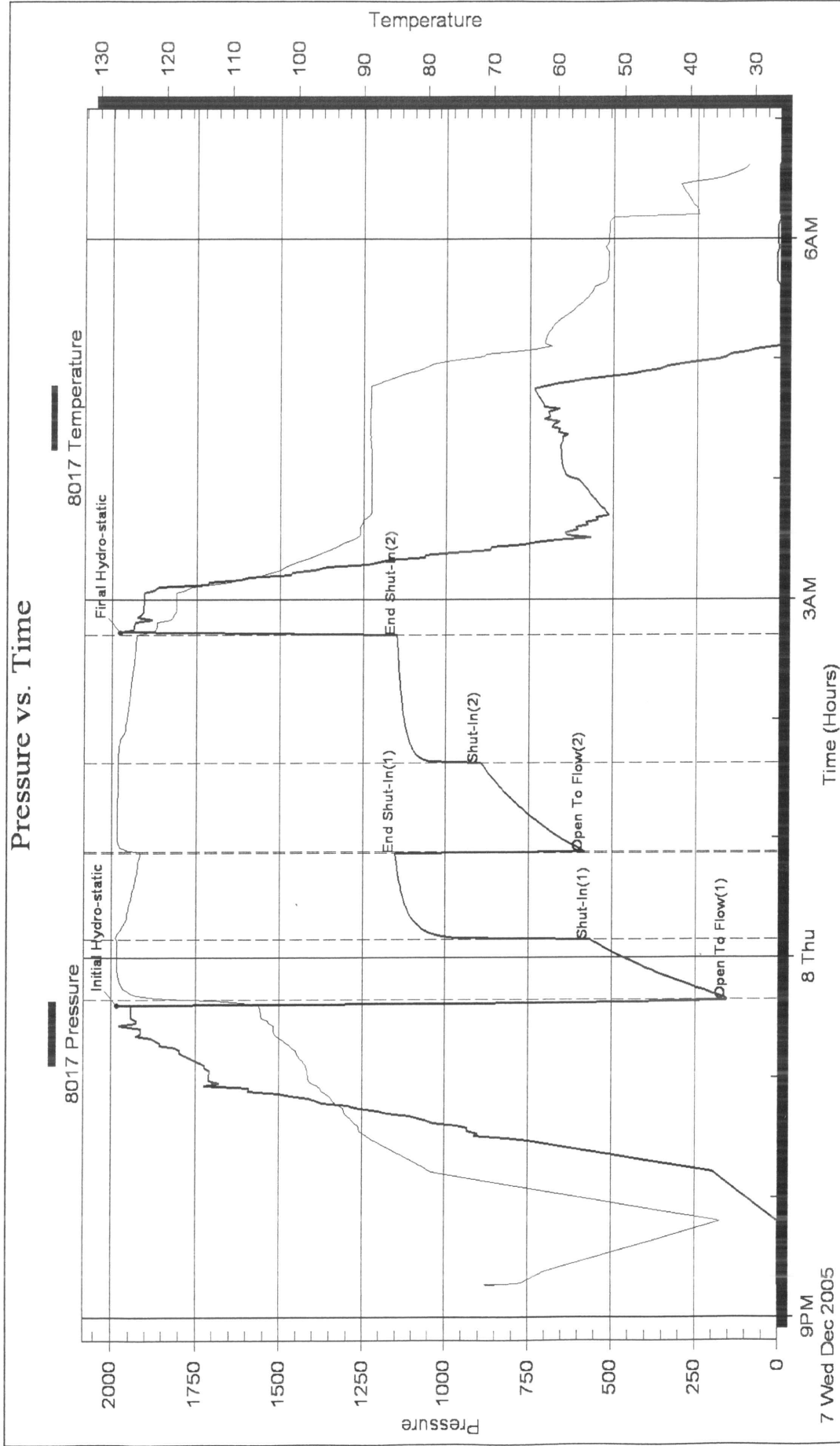
Serial #: 8017

Inside

Hartman Oil Co., Inc.

Sec. 13 10s 33w Th

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Co., Inc.**

12950 E. 13th St.
Wichita, KS 67230

ATTN: Kim Shoemaker

Sec. 13 10s 33w Th

Kriss Farms #1

Start Date: 2005.12.08 @ 19:34:01

End Date: 2005.12.09 @ 04:01:45

Job Ticket #: 23158 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Hartman Oil Co., Inc.

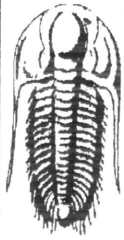
Kriss Farms #1

Sec. 13 10s 33w Th

DST # 2

L KC "H"

2005.12.08



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Hartman Oil Co., Inc.

12950 E 13th St.
Wichita, KS 67230

ATTN: Kim Shoemaker

Kriss Farms #1

Sec. 13 10s 33w Th

Job Ticket: 23158

DST#: 2

Test Start: 2005.12.08 @ 19:34:01

GENERAL INFORMATION:

Formation: L KC "H"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:21:30

Time Test Ended: 04:01:45

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 15

Interval: 4198.00 ft (KB) To 4227.00 ft (KB) (TVD)

Total Depth: 4227.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3136.00 ft (KB)

3131.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8017

Inside

Press@RunDepth: 626.49 psig @ 4199.00 ft (KB)

Start Date: 2005.12.08

End Date: 2005.12.09

Start Time: 19:34:01

End Time: 04:01:45

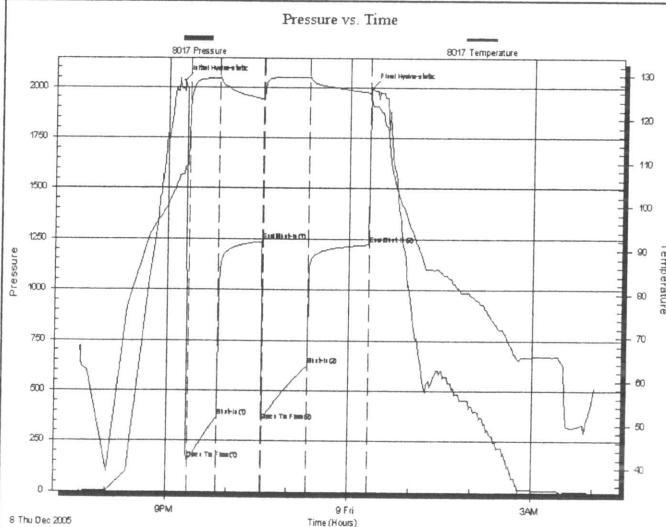
Capacity: 7000.00 psig

Last Calib.: 2005.12.09

Time On Btm: 2005.12.08 @ 21:16:00

Time Off Btm: 2005.12.09 @ 00:21:45

TEST COMMENT: IF: 1" blow built to B.O.B. at 4 min. lasting 30 min.
IS: No return over 45 min.
FF: 3/4" blow built to B.O.B. at 6 min. lasting 45 min.
FS: No return over 60 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2032.30	107.38	Initial Hydro-static
6	154.23	120.51	Open To Flow (1)
35	368.62	129.43	Shut-In(1)
78	1236.36	124.62	End Shut-In(1)
79	347.57	124.42	Open To Flow (2)
124	626.49	129.51	Shut-In(2)
184	1221.74	126.13	End Shut-In(2)
186	1997.23	123.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Oil	0.42
90.00	OCM35% M40% W20% O 5% G	1.26
660.00	SOCM 15% M 75% W 8% O 2% G	9.26
590.00	Water	8.28
10.00	Mud	0.14

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hartman Oil Co., Inc.

Kriss Farms #1

12950 E. 13th St.
Wichita, KS 67230

Sec. 13 10s 33w Th

Job Ticket: 23158

DST#: 2

ATTN: Kim Shoemaker

Test Start: 2005.12.08 @ 19:34:01

Tool Information

Drill Pipe:	Length: 4187.00 ft	Diameter: 3.80 inches	Volume: 58.73 bbl	Tool Weight:	1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	70000.00 lb
			Total Volume: 58.73 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial	54000.00 lb
Depth to Top Packer:	4198.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	29.00 ft				
Tool Length:	56.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4176.00	
Hydraulic tool	5.00			4181.00	
Jars	5.00			4186.00	
Safety Joint	3.00			4189.00	
Packer	5.00			4194.00	27.00 Bottom Of Top Packer
Packer	4.00			4198.00	
Stubb	1.00			4199.00	
Recorder	0.00	8017	Inside	4199.00	
Perforations	23.00			4222.00	
Recorder	0.00	13309	Inside	4222.00	
Bullnose	5.00			4227.00	29.00 Bottom Packers & Anchor

Total Tool Length: 56.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

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Kriss Farms #1

12950 E. 13th St.
Wichita, KS 67230

Sec. 13 10s 33w Th

Job Ticket: 23158

DST#: 2

ATTN: Kim Shoemaker

Test Start: 2005.12.08 @ 19:34:01

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API: 33 deg API

Mud Weight: 9.00 lb/gal

Cushion Length: ft

Water Salinity: 85000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume: bbl

Water Loss: 9.15 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Oil	0.421
90.00	OCM 35% M 40% W 20% O 5% G	1.262
660.00	SOCM 15% M 75% W 8% O 2% G	9.258
590.00	Water	8.276
10.00	Mud	0.140

Total Length: 1380.00 ft

Total Volume: 19.357 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW 20 deg F @ .328 ohm

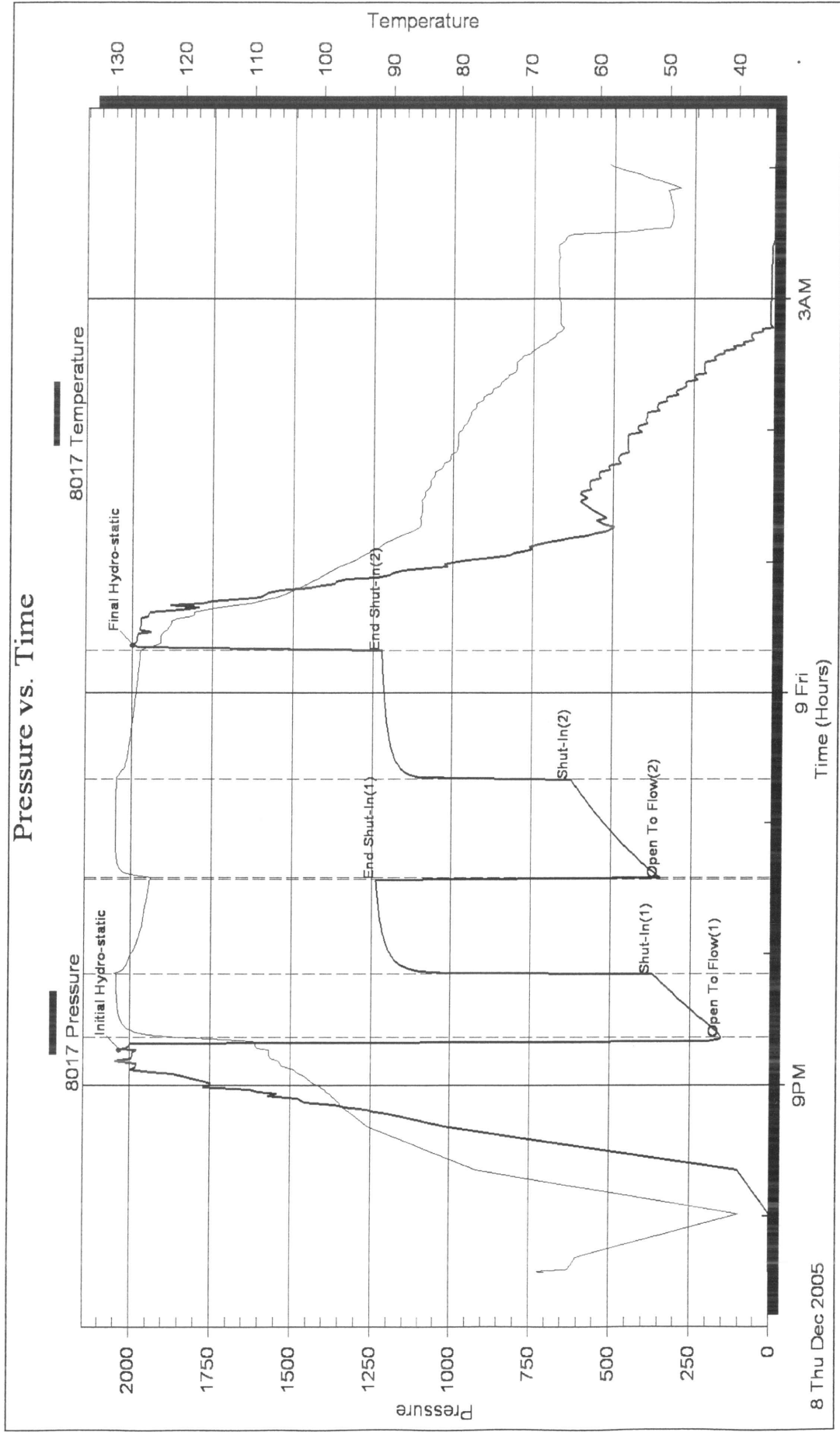
Serial #: 8017

Inside

Hartman Oil Co., Inc.

Sec. 13 10s 33w Th

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Co., Inc.**

12950 E. 13th St.
Wichita, KS 67230

ATTN: Kim Shoemaker

Sec. 13 10s 33w Th

Kriss Farms #1

Start Date: 2005.12.09 @ 16:50:01

End Date: 2005.12.10 @ 00:15:00

Job Ticket #: 23159 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Hartman Oil Co., Inc.

Kriss Farms #1

Sec. 13 10s 33w Th

DST # 3

L KC "I & J"

2005.12.09



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Hartman Oil Co., Inc.

12950 E 13th St.
Wichita, KS 67230

ATTN: Kim Shoemaker

Kriss Farms #1

Sec. 13 10s 33w Th

Job Ticket: 23159

DST#: 3

Test Start: 2005.12.09 @ 16:50:01

GENERAL INFORMATION:

Formation: **L KC "I & J"**

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

Time Tool Opened: 18:28:45

Time Test Ended: 00:15:00

Test Type: **Conventional Bottom Hole**

Tester: **Chuck Smith**

Unit No: **15**

Interval: **4230.00 ft (KB) To 4277.00 ft (KB) (TVD)**

Total Depth: **4277.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **3136.00 ft (KB)**

3131.00 ft (CF)

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

Serial #: 8017

Inside

Press@RunDepth: **1279.74 psig @ 4231.00 ft (KB)**

Start Date: **2005.12.09**

End Date: **2005.12.10**

Start Time: **16:50:01**

End Time: **00:15:00**

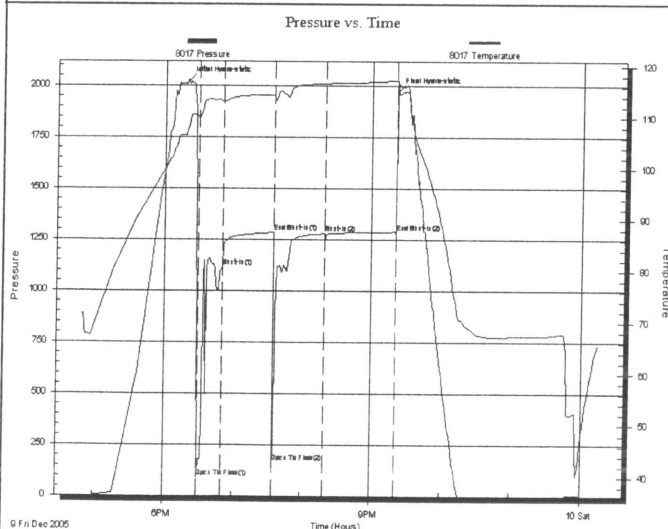
Capacity: **7000.00 psig**

Last Calib.: **2005.12.10**

Time On Btm: **2005.12.09 @ 18:19:45**

Time Off Btm: **2005.12.09 @ 21:22:00**

TEST COMMENT: IF: 3 1/2" blow built to B.O.B. in 25 min.
IS: Surface blow built to 1/2" over 45 min.
FF: 2" blow built to 7 1/2" over 45 min.
FS: Weak surface blow built to 1/8", died after 25 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2023.15	107.83	Initial Hydro-static
9	88.01	109.55	Open To Flow (1)
31	1115.77	113.07	Shut-In(1)
75	1284.47	114.43	End Shut-In(1)
76	165.42	114.00	Open To Flow (2)
120	1279.74	116.64	Shut-In(2)
181	1288.65	117.25	End Shut-In(2)
183	1972.80	116.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	HOCM 40% O 45% M 15% G	2.52
60.00	MCO 30% M 60% O 10% G	0.84

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hartman Oil Co., Inc.

Kriss Farms #1

12950 E 13th St.
Wichita, KS 67230

Sec. 13 10s 33w Th

Job Ticket: 23159

DST#: 3

ATTN: Kim Shoemaker

Test Start: 2005.12.09 @ 16:50:01

Tool Information

Drill Pipe:	Length: 4219.00 ft	Diameter: 3.80 inches	Volume: 59.18 bbl	Tool Weight: 1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 57000.00 lb
			Total Volume: 59.18 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4230.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	47.00 ft			
Tool Length:	75.00 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			4203.00	
Shut In Tool	5.00			4208.00	
Hydraulic tool	5.00			4213.00	
Jars	5.00			4218.00	
Safety Joint	3.00			4221.00	
Packer	5.00			4226.00	28.00 Bottom Of Top Packer
Packer	4.00			4230.00	
Stubb	1.00			4231.00	
Recorder	0.00	8017	Inside	4231.00	
Perforations	8.00			4239.00	
Change Over Sub	1.00			4240.00	
Drill Pipe	31.00			4271.00	
Change Over Sub	1.00			4272.00	
Recorder	0.00	13309	Inside	4272.00	
Bullnose	5.00			4277.00	47.00 Bottom Packers & Anchor

Total Tool Length: 75.00



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FLUID SUMMARY

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12950 E. 13th St.
Wichita, KS 67230

Sec. 13 10s 33w Th

Job Ticket: 23159

DST#: 3

ATTN: Kim Shoemaker

Test Start: 2005.12.09 @ 16:50:01

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

4800 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.76 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	HOCM 40% O 45% M 15% G	2.525
60.00	MCO 30% M 60% O 10% G	0.842

Total Length: 240.00 ft

Total Volume: 3.367 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 900 feet Gas in pipe.

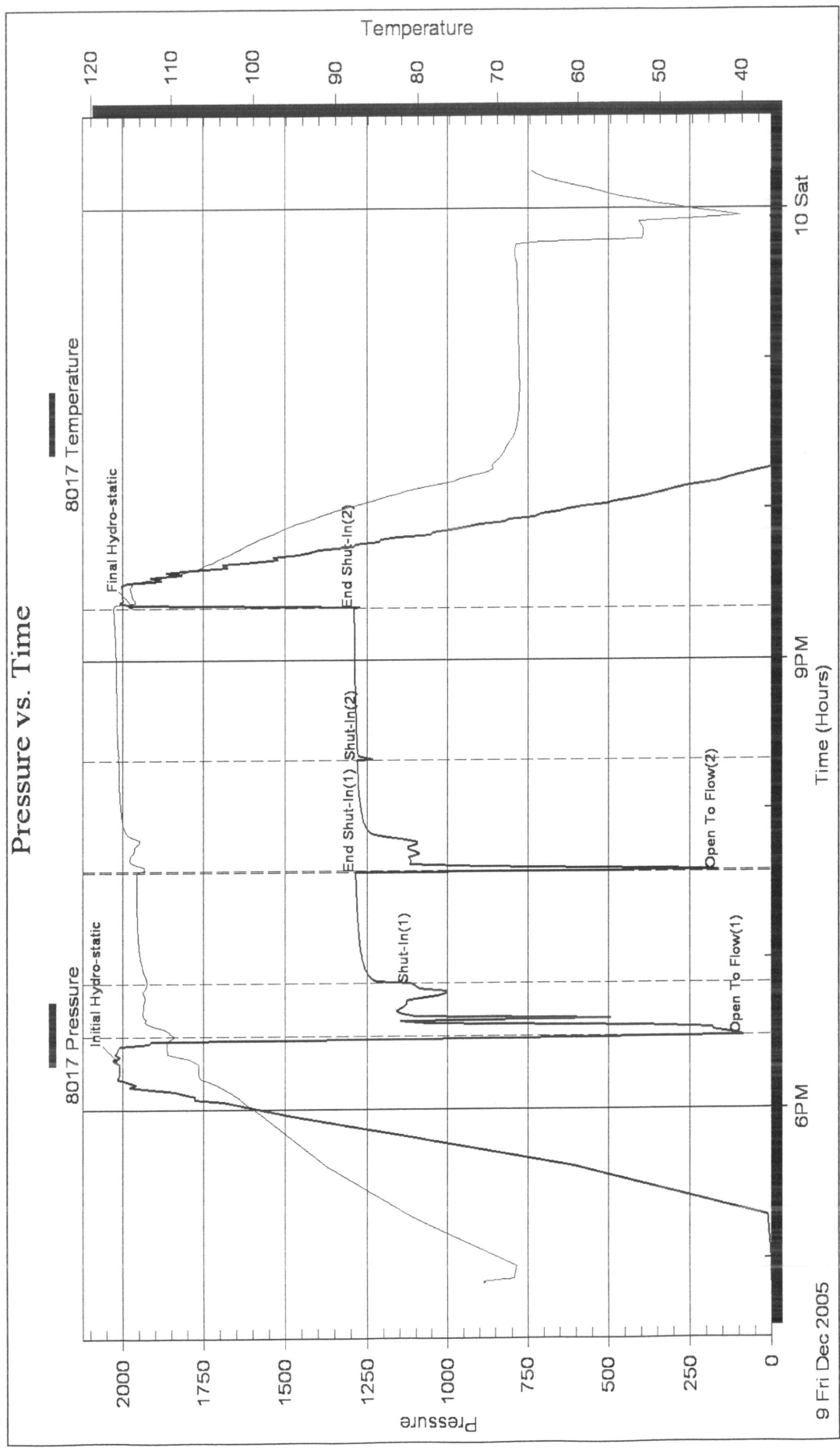
Serial #: 8017

Inside

Hartman Oil Co., Inc.

Sec. 13 10s 33w Th

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Co., Inc.**

12950 E. 13th St.
Wichita, KS 67230

ATTN: Kim Shoemaker

Sec. 13 10s 33w Th

Kriss Farms #1

Start Date: 2005.12.10 @ 08:09:01

End Date: 2005.12.10 @ 15:32:45

Job Ticket #: 23160

DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Hartman Oil Co., Inc.

Kriss Farms #1

Sec. 13 10s 33w Th

DST # 4

L KC "K"

2005.12.10



TRILOBITE
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DRILL STEM TEST REPORT

Hartman Oil Co., Inc.

12950 E. 13th St.
Wichita, KS 67230

ATTN: Kim Shoemaker

Kriss Farms #1

Sec. 13 10s 33w Th

Job Ticket: 23160

DST#: 4

Test Start: 2005.12.10 @ 08:09:01

GENERAL INFORMATION:

Formation: **L KC "K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:13:30

Time Test Ended: 15:32:45

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 15

Interval: **4285.00 ft (KB) To 4307.00 ft (KB) (TVD)**

Total Depth: 4110.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3136.00 ft (KB)

3131.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8017

Inside

Press@RunDepth: 52.78 psig @ 4286.00 ft (KB)

Start Date: 2005.12.10

End Date:

2005.12.10

Start Time: 08:09:01

End Time:

15:32:45

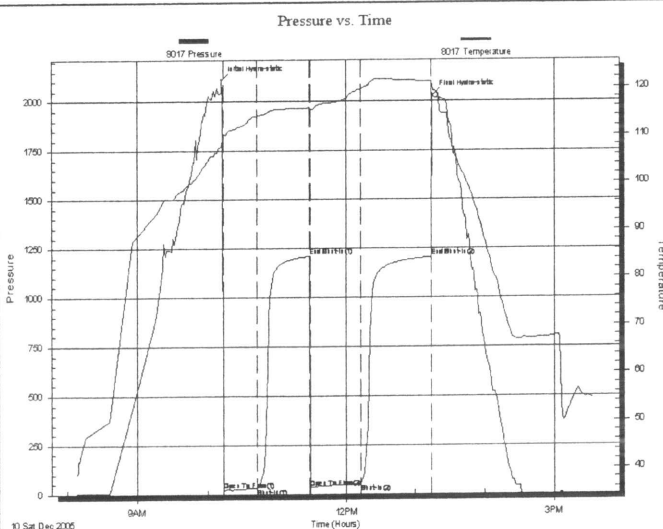
Capacity: 7000.00 psig

Last Calib.: 2005.12.10

Time On Btm: 2005.12.10 @ 10:12:15

Time Off Btm: 2005.12.10 @ 13:15:15

TEST COMMENT: IF: 1/8" blow built to 11" over 30 min.
IS: Weak surface blow after 3 min. over 45 min.
FF: 1/2" blow built to B.O.B. in 32 min.
FS: Weak surface blow after 2 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2107.54	107.73	Initial Hydro-static
2	20.31	110.29	Open To Flow (1)
31	31.80	113.97	Shut-In(1)
76	1209.44	115.72	End Shut-In(1)
77	30.33	115.47	Open To Flow (2)
121	52.78	119.59	Shut-In(2)
182	1204.91	121.12	End Shut-In(2)
183	2027.90	119.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	HOCM 17% G 38% M 45% O	1.40

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hartman Oil Co., Inc.

Kriss Farms #1

12950 E. 13th St.
Wichita, KS 67230

Sec. 13 10s 33w Th

Job Ticket: 23160

DST#: 4

ATTN: Kim Shoemaker

Test Start: 2005.12.10 @ 08:09:01

Tool Information

Drill Pipe:	Length: 4289.00 ft	Diameter: 3.80 inches	Volume: 60.16 bbl	Tool Weight: 1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			Total Volume: 60.16 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4285.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	41.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4271.00	
Hydraulic tool	5.00			4276.00	
Packer	5.00			4281.00	19.00 Bottom Of Top Packer
Packer	4.00			4285.00	
Stubb	1.00			4286.00	
Recorder	0.00	8017	Inside	4286.00	
Perforations	16.00			4302.00	
Recorder	0.00	13309	Inside	4302.00	
Bullnose	5.00			4307.00	22.00 Bottom Packers & Anchor
Total Tool Length:	41.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Hartman Oil Co., Inc.

Kriss Farms #1

12950 E 13th St.
Wichita, KS 67230

Sec. 13 10s 33w Th

Job Ticket: 23160

DST#: 4

ATTN: Kim Shoemaker

Test Start: 2005.12.10 @ 08:09:01

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

5000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	HOCM 17% G 38% M 45% O	1.403

Total Length: 100.00 ft

Total Volume: 1.403 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 320' G.I.P.

Pressure vs. Time

