

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Co Inc**
12950 E 13th ST
Wichita KS 67230

ATTN: Kim Shoemaker

24 10S 33W Logan KS

Lundak #1

Start Date: 2006.06.08 @ 03:26:56
End Date: 2006.06.08 @ 10:30:35
Job Ticket #: 23096 DST #: 1

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

Hartman Oil Co Inc

Lundak #1

24 10S 33W Logan KS

DST # 1

L/KC "H" zone

2006.06.08



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Hartman Oil Co Inc

12950 E 13th ST
Wichita KS 67230

ATTN: Kim Shoemaker

Lundak #1

24 10S 33W Logan KS

Job Ticket: 23096

DST#: 1

Test Start: 2006.06.08 @ 03:26:56

GENERAL INFORMATION:

Formation: **L/KC "H" zone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:11:21

Time Test Ended: 10:30:35

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 25

Interval: **4190.00 ft (KB) To 4226.00 ft (KB) (TVD)**

Reference Elevations: 3137.00 ft (KB)

Total Depth: 4226.00 ft (KB) (TVD)

3132.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6667

Inside

Press@RunDepth: 538.71 psig @ 4191.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2006.06.08

End Date:

2006.06.08

Last Calib.: 2006.06.08

Start Time: 03:26:56

End Time:

10:30:35

Time On Btm: 2006.06.08 @ 05:10:36

Time Off Btm: 2006.06.08 @ 08:11:35

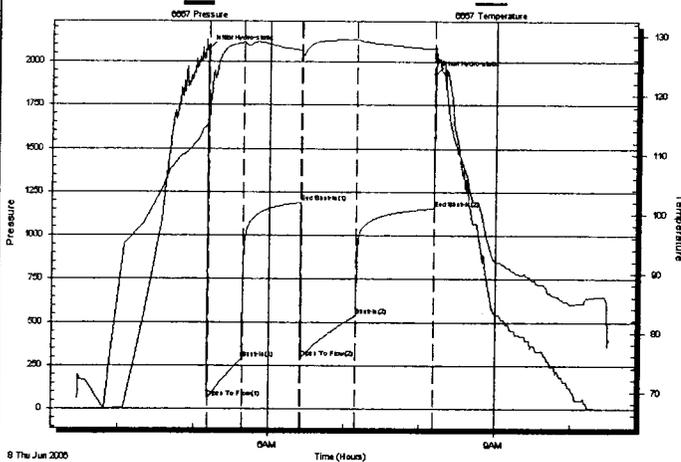
TEST COMMENT: BOB in 6 min

No return

BOB in 6 min

No return

Pressure vs. Time



PRESSURE SUMMARY

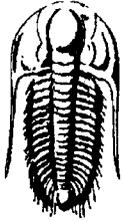
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2071.70	115.06	Initial Hydro-static
1	61.67	113.90	Open To Flow (1)
29	287.68	128.85	Shut-In (1)
75	1188.35	127.60	End Shut-In (1)
75	294.44	127.17	Open To Flow (2)
119	538.71	129.33	Shut-In (2)
181	1156.37	127.90	End Shut-In (2)
181	1928.33	128.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	Free Oil 100%O	0.56
180.00	SWMCO10%W 40%M 50%O	2.52
180.00	HOCW 40%O 60%W	2.52
660.00	Ww/trace of Oil	9.26

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hartman Oil Co Inc

Lundak #1

12950 E 13th ST
Wichita KS 67230

24 10S 33W Logan KS

Job Ticket: 23096

DST#: 1

ATTN: Kim Shoemaker

Test Start: 2006.06.08 @ 03:26:56

Tool Information

Drill Pipe:	Length: 4185.00 ft	Diameter: 3.80 inches	Volume: 58.70 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 58.70 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4190.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 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
Change Over Sub	1.00			4171.00	
Shut In Tool	5.00			4176.00	
Hydraulic tool	5.00			4181.00	
Packer	5.00		Fluid	4186.00	20.00 Bottom Of Top Packer
Packer	4.00			4190.00	
Stubb	1.00			4191.00	
Recorder	0.00	6667	Inside	4191.00	
Perforations	30.00			4221.00	
Recorder	0.00	11058	Inside	4221.00	
Bullnose	5.00			4226.00	36.00 Bottom Packers & Anchor
Total Tool Length:	56.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hartman Oil Co Inc

Lundak #1

12950 E 13th ST
Wichita KS 67230

24 10S 33W Logan KS

Job Ticket: 23096

DST#: 1

ATTN: Kim Shoemaker

Test Start: 2006.06.08 @ 03:26:56

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 29 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 78000 ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.15 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 3200.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	Free Oil 100%O	0.561
180.00	SWMCO10%W 40%M 50%O	2.525
180.00	HOCW 40%O 60%W	2.525
660.00	Ww/trace of Oil	9.258

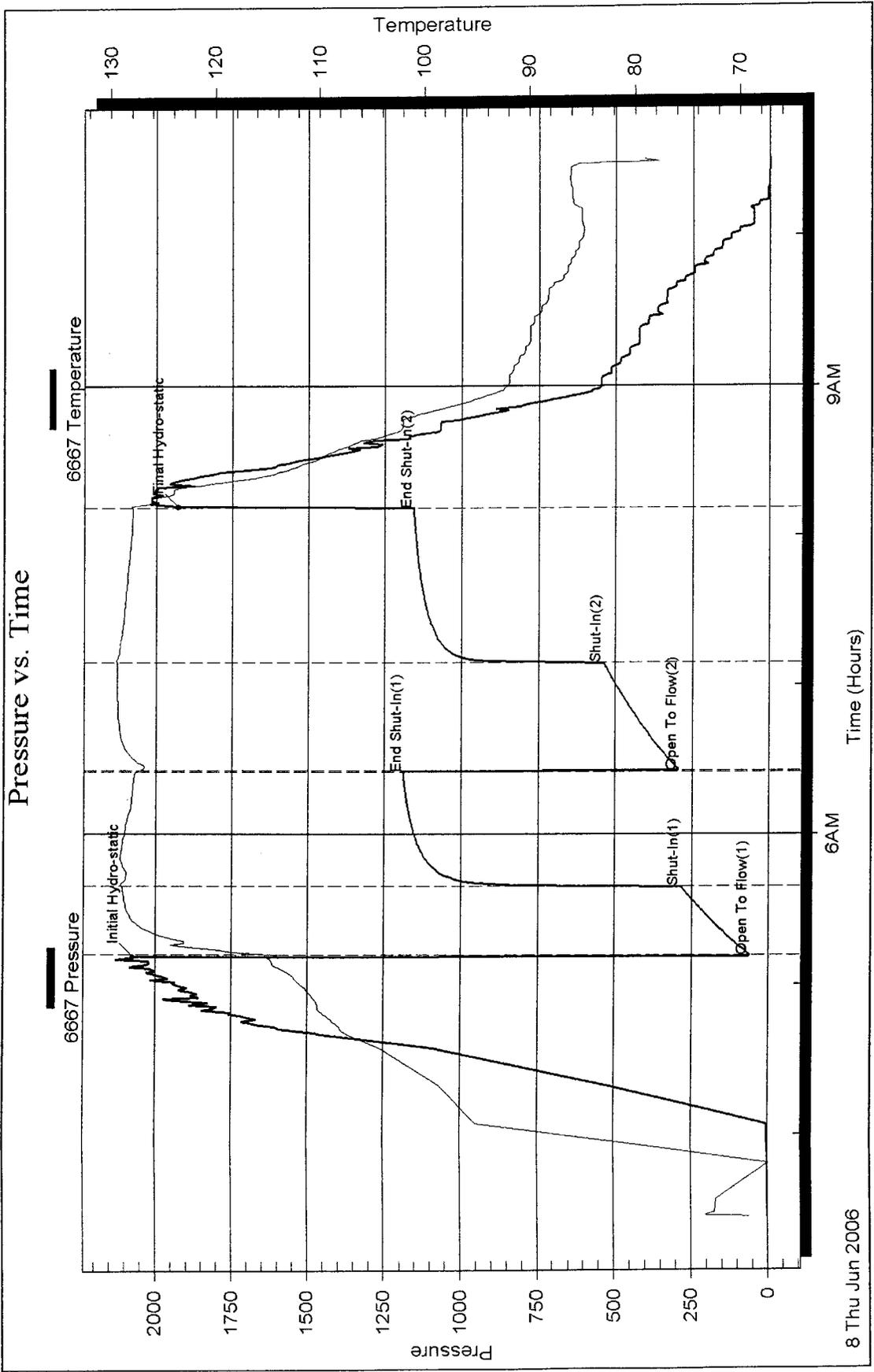
Total Length: 1060.00 ft Total Volume: 14.869 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: rw .080 @ 86*f = 78000

Pressure vs. Time

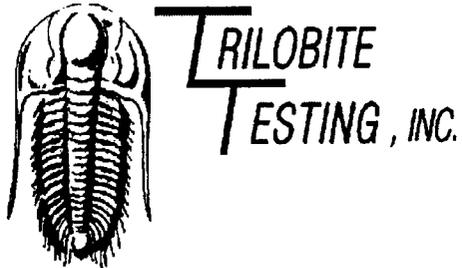


8 Thu Jun 2006

6AM

9AM

Time (Hours)



DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Co Inc**

12950 E 13th ST
Wichita KS 67230

ATTN: Kim Shoemaker

24 10S 33W Logan KS

Lundak #1

Start Date: 2006.06.08 @ 20:00:41

End Date: 2006.06.09 @ 03:06:05

Job Ticket #: 23097 DST #: 2

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

Hartman Oil Co Inc

Lundak #1

24 10S 33W Logan KS

DST # 2

L KC "I-J"

2006.06.08



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Hartman Oil Co Inc

12950 E 13th ST
Wichita KS 67230

ATTN: Kim Shoemaker

Lundak #1

24 10S 33W Logan KS

Job Ticket: 23097

DST#: 2

Test Start: 2006.06.08 @ 20:00:41

GENERAL INFORMATION:

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

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:47:06

Time Test Ended: 03:06:05

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 25

Interval: **4234.00 ft (KB) To 4282.00 ft (KB) (TVD)**

Total Depth: 4282.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3137.00 ft (KB)

3132.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6667

Inside

Press@RunDepth: 183.33 psig @ 4235.00 ft (KB)

Start Date: 2006.06.08

End Date:

2006.06.09

Capacity: 7000.00 psig

Last Calib.: 2006.06.09

Start Time: 20:00:41

End Time:

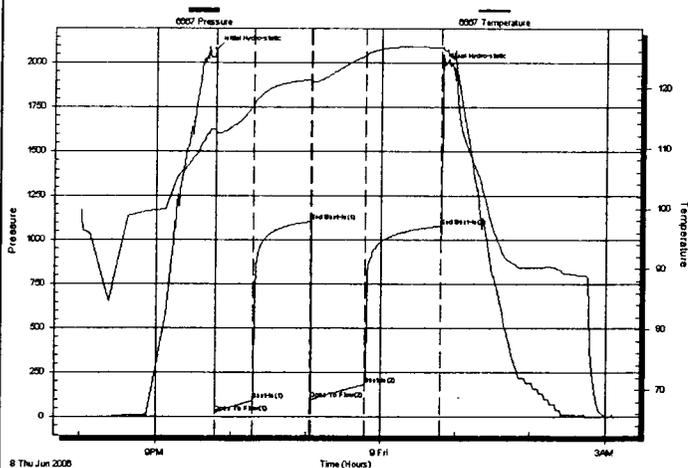
03:06:05

Time On Btm: 2006.06.08 @ 21:46:51

Time Off Btm: 2006.06.09 @ 00:49:20

TEST COMMENT: BOB in 6 min
Bled off in 2 min Return blow to 2 1/4 in
BOB in 8 min
Bled off in 2 min Return blow to 6 in

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2079.00	113.12	Initial Hydro-static
1	22.90	111.94	Open To Flow (1)
30	92.96	117.01	Shut-In(1)
77	1104.40	121.28	End Shut-In(1)
77	98.75	120.99	Open To Flow (2)
121	183.33	125.25	Shut-In(2)
182	1079.09	126.62	End Shut-In(2)
183	1977.99	126.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
360.00	CGO30%G 70%O	5.05
120.00	MCGO 25%M 35%G 40%O	1.68
0.00	1200' GIP	0.00

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Hartman Oil Co Inc

Lundak #1

12950 E 13th ST
Wichita KS 67230

24 10S 33W Logan KS

Job Ticket: 23097

DST#: 2

ATTN: Kim Shoemaker

Test Start: 2006.06.08 @ 20:00:41

Tool Information

Drill Pipe:	Length: 4247.00 ft	Diameter: 3.80 inches	Volume: 59.57 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Full Loose: 65000.00 lb
			<u>Total Volume: 59.57 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4234.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	68.00 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			4215.00	
Shut In Tool	5.00			4220.00	
Hydraulic tool	5.00			4225.00	
Packer	5.00		Fluid	4230.00	20.00 Bottom Of Top Packer
Packer	4.00			4234.00	
Stubb	1.00			4235.00	
Recorder	0.00	6667	Inside	4235.00	
Perforations	9.00			4244.00	
Change Over Sub	1.00			4245.00	
Drill Pipe	31.00			4276.00	
Change Over Sub	1.00			4277.00	
Recorder	0.00	11058	Inside	4277.00	
Bullnose	5.00			4282.00	48.00 Bottom Packers & Anchor

Total Tool Length: 68.00



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FLUID SUMMARY

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Wichita KS 67230

24 10S 33W Logan KS

Job Ticket: 23097

DST#: 2

ATTN: Kim Shoemaker

Test Start: 2006.06.08 @ 20:00:41

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 39 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.15 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 3200.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
360.00	CGO30%G 70%O	5.050
120.00	MCGO 25%M 35%G 40%O	1.683
0.00	1200' GIP	0.000

Total Length: 480.00 ft Total Volume: 6.733 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

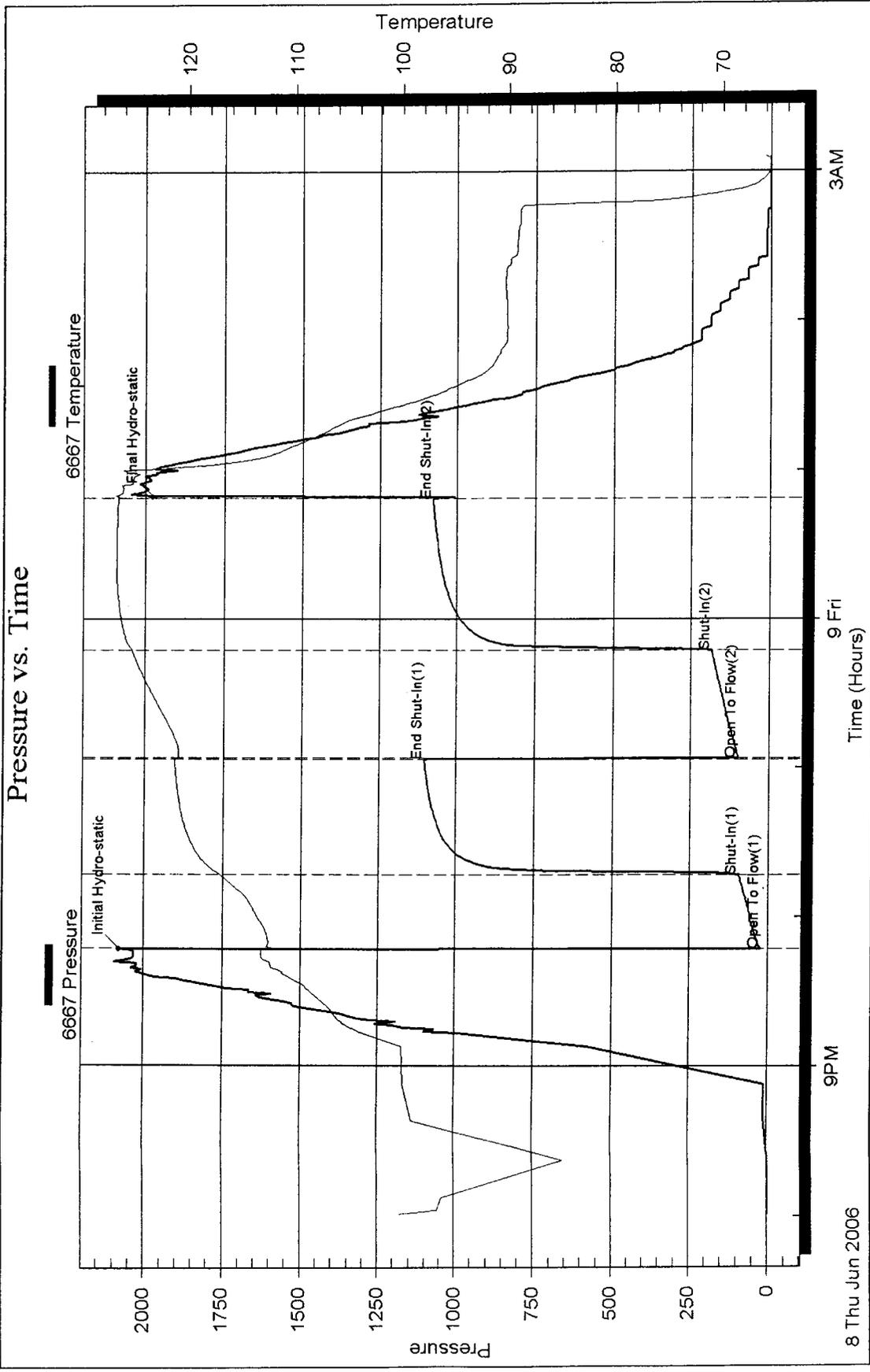
Serial #:

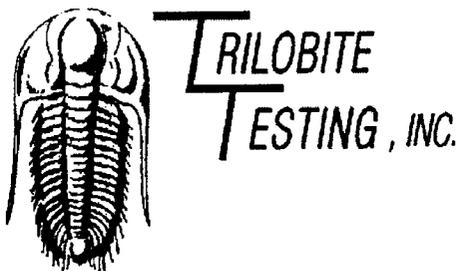
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Co Inc**

12950 E 13th ST
Wichita KS 67230

ATTN: Kim Shoemaker

24 10S 33W Logan KS

Lundak #1

Start Date: 2006.06.09 @ 09:28:04

End Date: 2006.06.09 @ 16:50:28

Job Ticket #: 23098 DST #: 3

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

Hartman Oil Co Inc

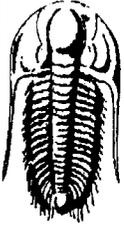
Lundak #1

24 10S 33W Logan KS

DST # 3

L/KC "K"

2006.06.09



**TRILOBITE
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DRILL STEM TEST REPORT

Hartman Oil Co Inc

12950 E 13th ST
Wichita KS 67230

ATTN: Kim Shoemaker

Lundak #1

24 10S 33W Logan KS

Job Ticket: 23098

DST#: 3

Test Start: 2006.06.09 @ 09:28:04

GENERAL INFORMATION:

Formation: **L/KC "K"**

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

Time Tool Opened: 11:28:29

Time Test Ended: 16:50:28

Test Type: **Conventional Bottom Hole**

Tester: **Shane McBride**

Unit No: **25**

Interval: **4286.00 ft (KB) To 4310.00 ft (KB) (TVD)**

Total Depth: **4310.00 ft (KB) (TVD)**

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

Reference Elevations: **3137.00 ft (KB)**

3132.00 ft (CF)

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

Serial #: 6667

Inside

Press@RunDepth: **165.48 psig @ 4287.00 ft (KB)**

Start Date: **2006.06.09** End Date: **2006.06.09**

Start Time: **09:28:04** End Time: **16:41:28**

Capacity: **7000.00 psig**

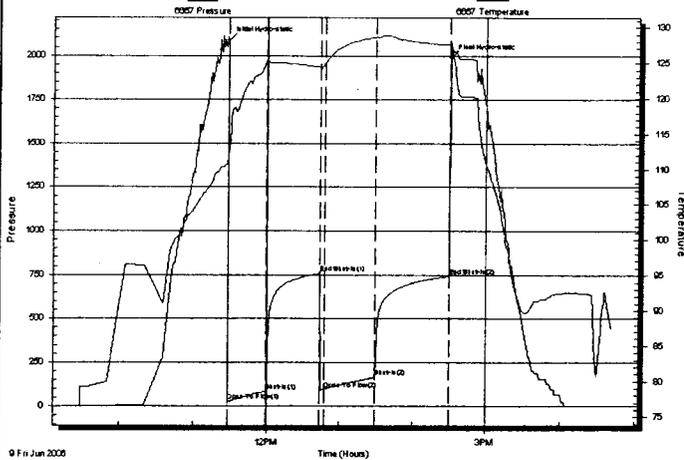
Last Calib.: **2006.06.09**

Time On Btm: **2006.06.09 @ 11:27:44**

Time Off Btm: **2006.06.09 @ 14:30:44**

TEST COMMENT: BOB in 5 min
Bled off in 3 min Return blow to 1/2 in
BOB in 10 min
Bled off in 5 min BOB in 35 min

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2088.27	111.64	Initial Hydro-static
1	27.38	112.22	Open To Flow (1)
32	85.83	125.45	Shut-In(1)
76	757.18	124.37	End Shut-In(1)
81	97.89	125.01	Open To Flow (2)
122	165.48	128.63	Shut-In(2)
183	742.45	127.50	End Shut-In(2)
183	1989.03	127.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbt)
180.00	CGO 25%G 75%O	2.52
120.00	SMWCGO10%M 10%W 30%G 50%O	1.68
90.00	SMCW 10%M 90%W tr of Oil and Gas	1.26
0.00	1050' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hartman Oil Co Inc

Lundak #1

12950 E 13th ST
Wichita KS 67230

24 10S 33W Logan KS

Job Ticket: 23098

DST#: 3

ATTN: Kim Shoemaker

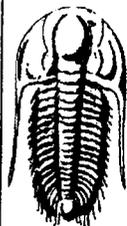
Test Start: 2006.06.09 @ 09:28:04

Tool Information

Drill Pipe:	Length: 4278.00 ft	Diameter: 3.80 inches	Volume: 60.01 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 60.01 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	4286.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	44.00 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			4267.00	
Shut In Tool	5.00			4272.00	
Hydraulic tool	5.00			4277.00	
Packer	5.00		Fluid	4282.00	20.00 Bottom Of Top Packer
Packer	4.00			4286.00	
Stubb	1.00			4287.00	
Recorder	0.00	6667	Inside	4287.00	
Perforations	18.00			4305.00	
Recorder	0.00	11058	Inside	4305.00	
Bullnose	5.00			4310.00	24.00 Bottom Packers & Anchor
Total Tool Length:	44.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

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Lundak #1

12950 E 13th ST
Wichita KS 67230

24 10S 33W Logan KS

Job Ticket: 23098

DST#: 3

ATTN: Kim Shoemaker

Test Start: 2006.06.09 @ 09:28:04

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

52000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.95 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
180.00	CGO 25%G 75%O	2.525
120.00	SMWCGO10%M 10%W 30%G 50%O	1.683
90.00	SMCW 10%M 90%W tr of Oil and Gas	1.262
0.00	1050' GIP	0.000

Total Length: 390.00 ft

Total Volume: 5.470 bbf

Num Fluid Samples: 0

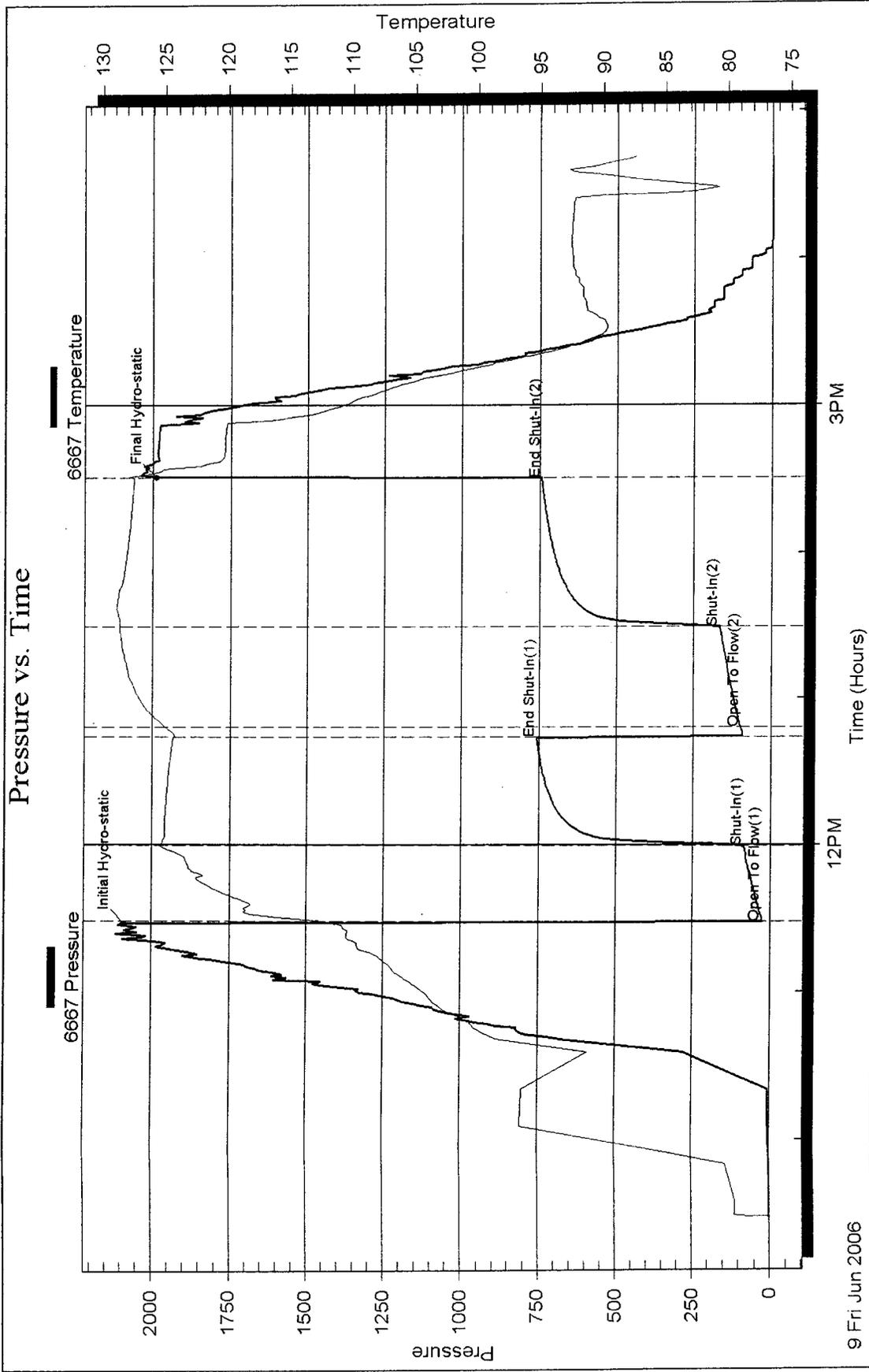
Num Gas Bombs: 0

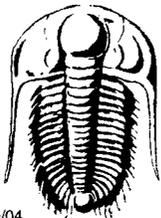
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw .094 @ 100°F = 52000





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

8866

No 23096

9/04

Test Ticket

Well Name & No. Lundak #1 Test No. #1 Date 6/8/06
 Company Hartman O.T Co Inc. Zone Tested Lans/HC "H"
 Address 129505 13th St Wichita, Ks 67230 Elevation 3137 KB 3132 GL
 Co. Rep / Geo. Rinn Shoemaker Cont. h.p. #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 24 Twp. 10S Rge. 33W Co. Logan State Ks
 No. of Copies 10 Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4190 4220 Initial Str Wt./Lbs. 52,000 Unseated Str Wt/Lbs. 53,000
 Anchor Length _____ 36 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 65,000
 Top Packer Depth _____ 4185 Tool Weight 1500
 Bottom Packer Depth _____ 4190 Hole-Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth _____ 4224 Wt. Pipe Run _____ Drill Collar Run _____
 Mud Wt. 8.8 LCM #1 Vis. 47 WL 7.2 Drill Pipe Size 4 1/2 XH Ft. Run 4185
 Blow Description B.O.B. in 6 min
No return
B.O.B. in 6 min
No return

Recovery - Total Feet 1060 GIP _____ Ft. in DC _____ Ft. in DP 1060
 Rec. 40 Feet of Free O.T %gas 100 %oil _____ %water _____ %mud _____
 Rec. 180 Feet of SW & mco %gas 50 %oil 10 %water 40 %mud _____
 Rec. 180 Feet of HO & W %gas 40 %oil 60 %water _____ %mud _____
 Rec. 660 Feet of Water w/ trace of Oil %gas Trace %oil 100 %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 128° °F Gravity 31 °API D @ 80° °F Corrected Gravity 29 °API
 RW .080 @ 86 °F Chlorides 78,000 ppm Recovery 78,000 Chlorides 3200 ppm System

AK-1	Alpine	Recorder No.	Test X
(A) Initial Hydrostatic Mud	<u>2071</u> PSI	<u>6667</u>	<u>1100 °°</u>
(B) First Initial Flow Pressure	<u>61</u> PSI	(depth) <u>4191</u>	Jars _____
(C) First Final Flow Pressure	<u>287</u> PSI	Recorder No. <u>11058</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>1188</u> PSI	(depth) <u>4221</u>	Circ Subx <u>N/K</u>
(E) Second Initial Flow Pressure	<u>294</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>538</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>1156</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>2013</u> PSI	Initial Shut-In <u>45</u>	Shale Packer _____
		Final Flow <u>45</u>	Ruined Packer _____
		Final Shut-In <u>60</u>	Mileage <u>112 RT \$ 140.00</u>
		T-On Location <u>02:45 A.M.</u>	Sub Total: <u>\$ 1240.00</u>
		T-Started <u>03:30 A.M.</u>	Std. By _____
		T-Open <u>05:08 A.M.</u>	Other _____
		T-Pulled <u>08:08 A.M.</u>	Total: <u>\$ 1,240.00</u>
		T-Out <u>10:35 A.M.</u>	

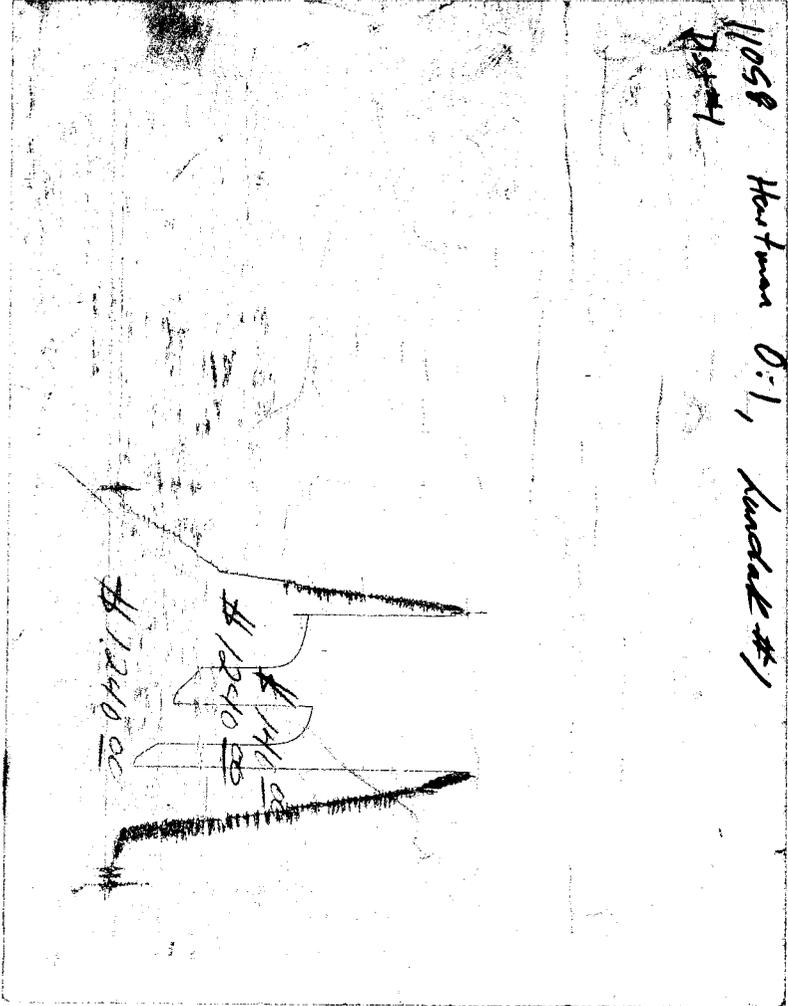
Approved By _____
 Our Representative [Signature]

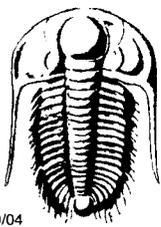
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CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

11058 Hoffman 0:1, Kundale #1
Dist #1





TRILOBITE TESTING INC.

No 23097

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Well Name & No. Hartman Oil Co Inc Lunda #1 Test No. 2 Date 6-8-06
 Company ~~L.D. Drilling~~ Hartman Oil Co Inc. Zone Tested L1BL, I1J
 Address 1295 E 13th St, Wichita, K.S. Elevation 3137 KB 3132 GL
 Co. Rep / Geo. Kim Shumaker Cont. L.D. #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 24 Twp. 10 S Rge. 33 W Co. Logan State KS
 No. of Copies None Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4234 4282 Initial Str Wt./Lbs. 52,000 Unseated Str Wt./Lbs. 55,000
 Anchor Length 48" Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 65,000
 Top Packer Depth 4229 Tool Weight 1500
 Bottom Packer Depth 4234 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 4282 Wt. Pipe Run _____ Drill Collar Run _____
 Mud Wt. 8.8 LCM 1 Vis. 47 WL 2.2 Drill Pipe Size 4 1/2 x H Ft. Run 4247

Blow Description 3.03 in 6 min.
Bled off in 2 min. Return blow to 2 1/4 in
3.03 in 8 min
Bled off in 2 min. Return blow to 6 in.

Recovery - Total Feet 490 GIP 1200 Ft. in DC _____ Ft. in DP 480
 Rec. 360' Feet of LC90 30 %gas 70 %oil %water %mud
 Rec. 120' Feet of mc90 35 %gas 40 %oil %water 25 %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 BHT 127 °F Gravity 40 °API D @ 70 °F Corrected Gravity 39 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 3200 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	Recorder No.	Test X
(B) First Initial Flow Pressure		2095 PSI	6667	1100 °°
(C) First Final Flow Pressure		22 PSI	(depth) 4233	Jars
(D) Initial Shut-In Pressure		92 PSI	Recorder No. 11058	Safety Jt.
(E) Second Initial Flow Pressure		1104 PSI	(depth) 4227	Circ Sub <u>NIC</u>
(F) Second Final Flow Pressure		98 PSI	Recorder No.	Sampler
(G) Final Shut-In Pressure		183 PSI	(depth)	Straddle
(Q) Final Hydrostatic Mud		1079 PSI	Initial Opening 30	Ext. Packer
		2040 PSI	Initial Shut-In 45	Shale Packer

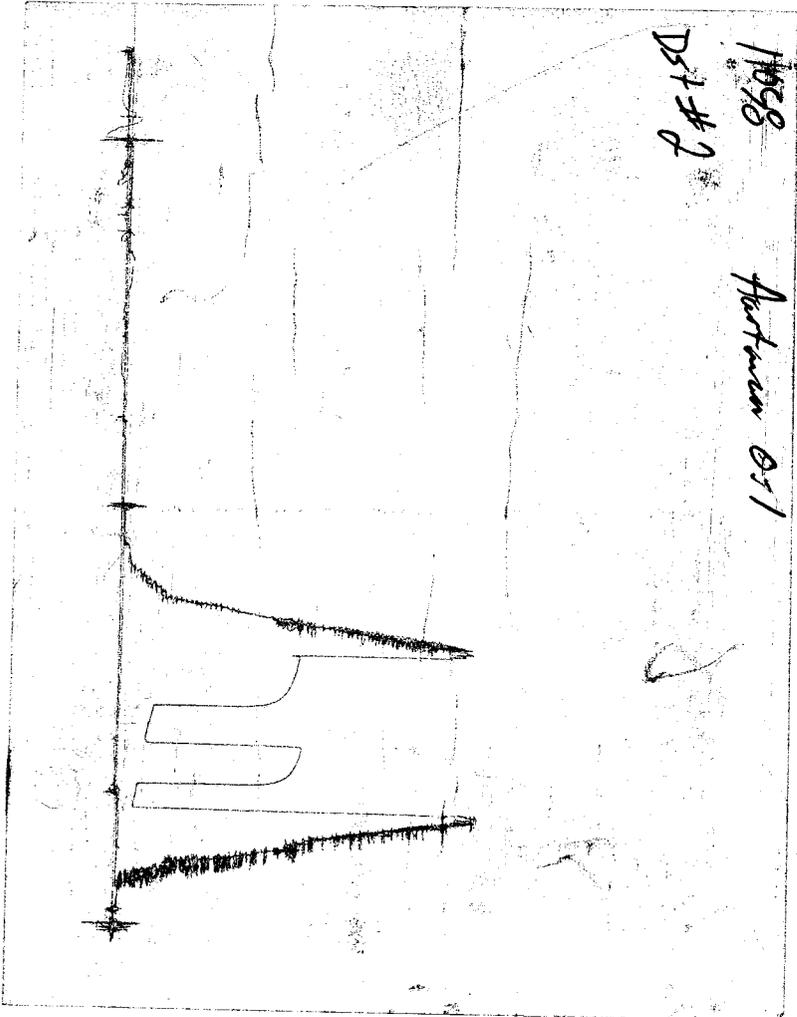
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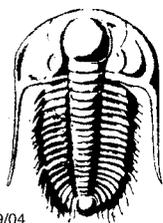
Final Flow 45
 Final Shut-In 60
 T-On Location 19:45 p.m.
 T-Started 20:00 p.m.
 T-Open 21:45 p.m.
 T-Pulled 00:45 a.m.
 T-Out 03:06 A.M.
 Mileage x112 RT \$140.00
 Sub Total: \$1240.00
 Std. By _____
 Other _____
 Total: \$1240.00

Approved By _____
 Our Representative [Signature]
Mark Sli

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.





TRILOBITE TESTING INC.

No 23098

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Well Name & No. Lundak #1 Test No. 3 Date 6-9-06
 Company Hartman Oil Co. Inc Zone Tested L/BC 'K'
 Address 1295 E 13th ST Wichita, KS Elevation 3137 KB 3132 GL
 Co. Rep / Geo. Kim Stoemaker Cont. L.D. #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 24 Twp. 10S Rge. 33 W Co. Logan State K.S.
 No. of Copies Norm Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4286 4310 Initial Str Wt./Lbs. 53,000 Unseated Str Wt./Lbs. 55,000
 Anchor Length 24 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 65,000
 Top Packer Depth 4281 Tool Weight 1500
 Bottom Packer Depth 4286 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 4310 Wt. Pipe Run _____ Drill Collar Run _____
 Mud Wt. 9.2 LCM Trace Vis. 50 WL 8.0 Drill Pipe Size 4 1/2 x H Ft. Run 4278'

Blow Description P.O.B. in 5 min
Bld off in 3 min, Return blow to 1/2 in.
P.O.B. in 10 min
Bld off in 5 min, P.O.B. in 35 min

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>390</u>	<u>1050</u>	<u>25</u>	<u>390</u>
Rec. <u>180</u>	Feet of <u>C90</u>	<u>25</u> %gas <u>75</u> %oil	%water %mud
Rec. <u>120</u>	Feet of <u>SMCW C90</u>	<u>30</u> %gas <u>50</u> %oil	<u>10</u> %water <u>10</u> %mud
Rec. <u>90</u>	Feet of <u>SMCW 1/16+0.1</u>	<u>71</u> %gas <u>71</u> %oil	<u>70</u> %water <u>10</u> %mud
Rec. _____	Feet of _____	%gas %oil	%water %mud
Rec. _____	Feet of _____	%gas %oil	%water %mud
BHT <u>128°</u>	°F Gravity <u>41</u>	°API D @ <u>100°</u>	°F Corrected Gravity <u>37</u> °API
RW <u>.094</u>	@ <u>100°</u> °F	Chlorides <u>52,000</u> ppm Recovery <u>52,000</u>	Chlorides <u>3200</u> ppm System

	AK-1	Alpine	Recorder No.	Test X
(A) Initial Hydrostatic Mud	<u>2088</u> PSI	<u>2088</u> PSI	<u>6667</u>	<u>A 1100°</u>
(B) First Initial Flow Pressure	<u>27</u> PSI	<u>27</u> PSI	(depth) <u>4285</u>	Jars _____
(C) First Final Flow Pressure	<u>85</u> PSI	<u>85</u> PSI	Recorder No. <u>11058</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>757</u> PSI	<u>757</u> PSI	(depth) <u>4305</u>	Circ Sub <u>N/C</u>
(E) Second Initial Flow Pressure	<u>97</u> PSI	<u>97</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>165</u> PSI	<u>165</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>742</u> PSI	<u>742</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1989</u> PSI	<u>1989</u> PSI	Initial Shut-In <u>45</u>	Shale Packer _____

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Final Flow 45 Ruined Packer _____
 Final Shut-In 60 Mileage X 112 RT \$ 140.00
 T-On Location 08:10 a.m. Sub Total: \$ 1240.00
 T-Started 09:35 a.m. Std. By _____
 T-Open 11:35 a.m. Other _____
 T-Pulled 14:35 p.m. Total: \$ 1240.00
 T-Out 16:50 p.m.

Approved By _____
 Our Representative [Signature]

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

1105B Lunches #6
DST 23 Harpner D.I.

