

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **HT Oil LLC**

11875 Dublin Blvd Ste A 202
Dublin CA 94568

ATTN: Kitt Noah

ICGS
DNL

~~X~~-10S-31W Thomas
- U
Ottley #1

Start Date: 2004.03.16 @ 03:16:02

End Date: 2004.03.16 @ 11:00:32

Job Ticket #: 18127 DST #: 1

HT Oil LLC

Ottley #1

U
X-10S-31W Thomas

DST # 1

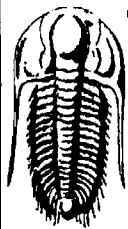
L/KC "H"

2004.03.16

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

HT Oil LLC
11875 Dublin Blvd Ste A 202
Dublin CA 94568

Ottley #1

22 **21-10S-31W Thomas**

Job Ticket: 18127

DST#: 1

ATTN: Kitt Noah

Test Start: 2004.03.16 @ 03:16:02

GENERAL INFORMATION:

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

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:04:17

Time Test Ended: 11:00:32

Test Type: Conventional Bottom Hole

Tester: Rod Steinbrink

Unit No: 22

Interval: **4137.00 ft (KB) To 4170.00 ft (KB) (TVD)**

Total Depth: 4170.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2963.00 ft (KB)

2958.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6773

Inside

Press@RunDepth: 95.23 psig @ 4138.00 ft (KB)

Start Date: 2004.03.16

End Date:

2004.03.16

Capacity:

7000.00 psig

Last Calib.:

1899.12.30

Start Time: 03:16:02

End Time:

11:00:32

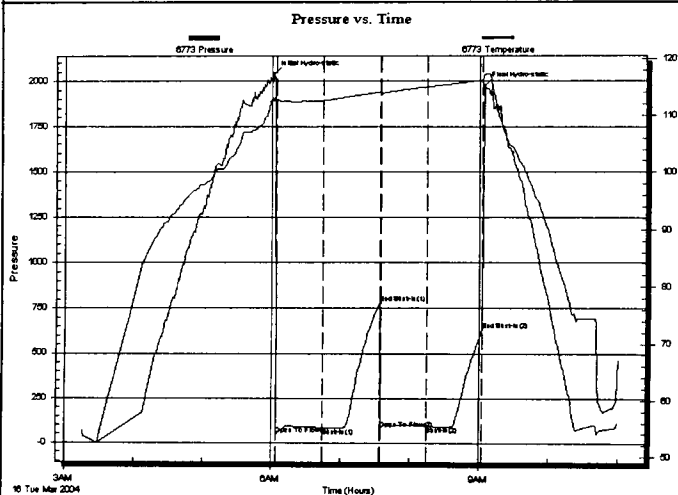
Time On Btm:

2004.03.16 @ 06:01:47

Time Off Btm:

2004.03.16 @ 09:04:02

TEST COMMENT: IF; Weak surface blow built to 1"
FF; No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2039.83	112.84	Initial Hydro-static
3	47.70	112.18	Open To Flow (1)
43	85.84	112.61	Shut-In (1)
92	780.58	114.09	End Shut-In (1)
93	79.74	113.90	Open To Flow (2)
133	95.23	115.00	Shut-In (2)
181	630.37	116.16	End Shut-In (2)
183	1977.23	117.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Slightly Oil Specked Mud	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

HT Oil LLC
11875 Dublin Blvd Ste A 202
Dublin CA 94568
ATTN: Kitt Noah

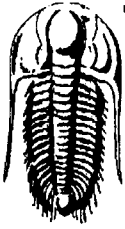
Ottley #1
22 **24-10S-31W Thomas**
Job Ticket: 18127 **DST#: 1**
Test Start: 2004.03.16 @ 03:16:02

Tool Information

Drill Pipe:	Length: 4131.00 ft	Diameter: 3.80 inches	Volume: 57.95 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			Total Volume: 57.95 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	4137.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	33.00 ft			
Tool Length:	53.00 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			4118.00	
Shut In Tool	5.00			4123.00	
Hydraulic tool	5.00			4128.00	
Packer	4.00			4132.00	20.00 Bottom Of Top Packer
Packer	5.00			4137.00	
Stubb	1.00			4138.00	
Recorder	0.00	6773	Inside	4138.00	
Perforations	27.00			4165.00	
Recorder	0.00	13309	Outside	4165.00	
Bullnose	5.00			4170.00	33.00 Bottom Packers & Anchor
Total Tool Length:	53.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

H T OIL LLC

Ottley #1

11875 Dublin Blvd Ste A 202
Dublin CA 94568

21-10S-31W Thomas

Job Ticket: 18127

DST#: 1

ATTN: Kitt Noah

Test Start: 2004.03.16 @ 03:16:02

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: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Slightly Oil Specked Mud	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

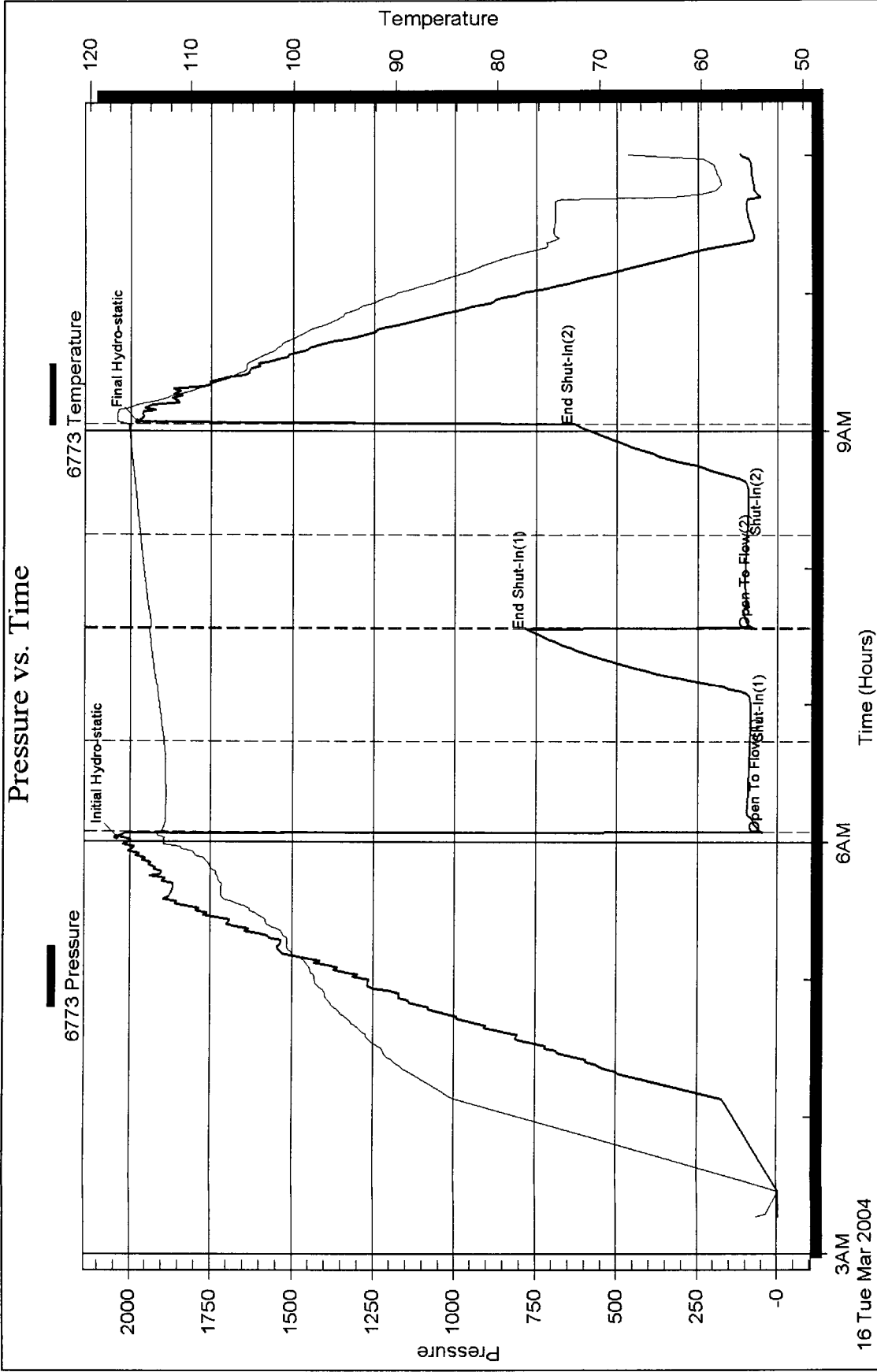
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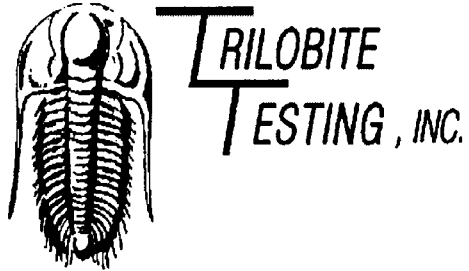
Inside

HTOI LLC

2105-31W Thomas

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **H T Oil LLC**

11875 Dublin Blvd Ste A 202
Dublin CA 94568

ATTN: Kitt Noah

21-10S-31W Thomas

22

Ottley #1

Start Date: 2004.03.16 @ 20:07:33

End Date: 2004.03.17 @ 01:01:03

Job Ticket #: 18128 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

H T Oil LLC

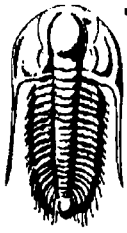
Ottley #1

22 21-10S-31W Thomas

DST # 2

L/KC "1"

2004.03.16



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

H T Oil LLC
 11875 Dublin Blvd Ste A 202
 Dublin CA 94568
 ATTN: Kitt Noah

Ottley #1

21-10S-31W Thomas

Job Ticket: 18128 **DST#: 2**
 Test Start: 2004.03.16 @ 20:07:33

GENERAL INFORMATION:

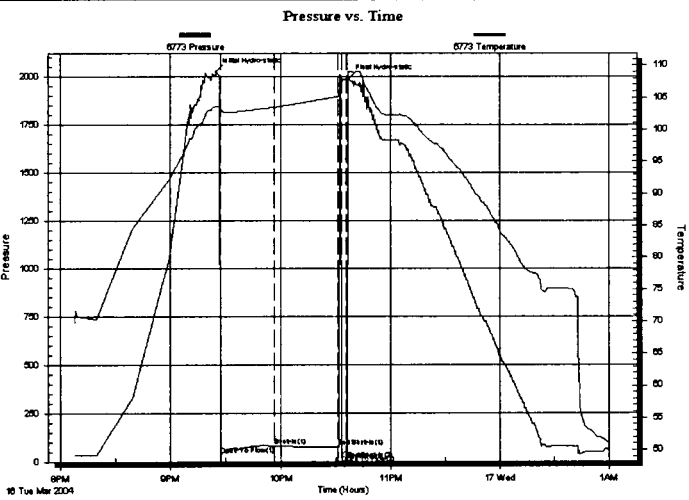
Formation: **L/KC "I"**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: **21:27:18**
 Time Test Ended: **01:01:03**
 Test Type: **Conventional Bottom Hole**
 Tester: **Rod Steinbrink**
 Unit No: **22**
 Interval: **4169.00 ft (KB) To 4197.00 ft (KB) (TVD)**
 Reference Elevations: **2963.00 ft (KB)**
 Total Depth: **4197.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 KB to GR/CF: **5.00 ft**

Serial #: 6773

Inside

Press@RunDepth: **49.88 psig @ 4170.00 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2004.03.16** End Date: **2004.03.17** Last Calib.: **1899.12.30**
 Start Time: **20:07:48** End Time: **01:01:03** Time On Btm: **2004.03.16 @ 21:25:03**
 Time Off Btm: **2004.03.16 @ 22:37:18**

TEST COMMENT: F; Weak surface blow died at 25 mins
 FF; No blow /flushed tool-good surge/ no return TOH



PRESSURE SUMMARY

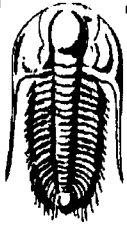
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2021.93	103.63	Initial Hydro-static
3	33.27	102.50	Open To Flow (1)
32	80.00	103.51	Shut-In(1)
67	72.18	105.19	End Shut-In(1)
69	34.15	107.14	Open To Flow (2)
71	49.88	107.81	Shut-In(2)
71	51.66	107.81	End Shut-In(2)
73	1987.25	108.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Drig. Mud	0.03

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H T Oil LLC
11875 Dublin Blvd Ste A 202
Dublin CA 94568

Ottley #1
22 **21-10S-31W Thomas**

Job Ticket: 18128 **DST#: 2**
Test Start: 2004.03.16 @ 20:07:33

ATTN: Kitt Noah

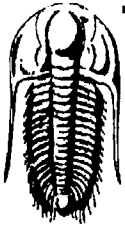
Tool Information

Drill Pipe:	Length: 4162.00 ft	Diameter: 3.80 inches	Volume: 58.38 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 58.38 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	4169.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	48.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4150.00	
Shut In Tool	5.00			4155.00	
Hydraulic tool	5.00			4160.00	
Packer	4.00			4164.00	20.00 Bottom Of Top Packer
Packer	5.00			4169.00	
Stubb	1.00			4170.00	
Recorder	0.00	6773	Inside	4170.00	
Perforations	22.00			4192.00	
Recorder	0.00	13309	Outside	4192.00	
Bullnose	5.00			4197.00	28.00 Bottom Packers & Anchor
Total Tool Length:	48.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

H T Oil LLC
11875 Dublin Blvd Ste A 202
Dublin CA 94568

Ottley #1

U **21-10S-31W Thomas**

Job Ticket: 18128 **DST#: 2**

ATTN: Kitt Noah

Test Start: 2004.03.16 @ 20:07:33

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: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Drig. Mud	0.028

Total Length: 2.00 ft Total Volume: 0.028 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

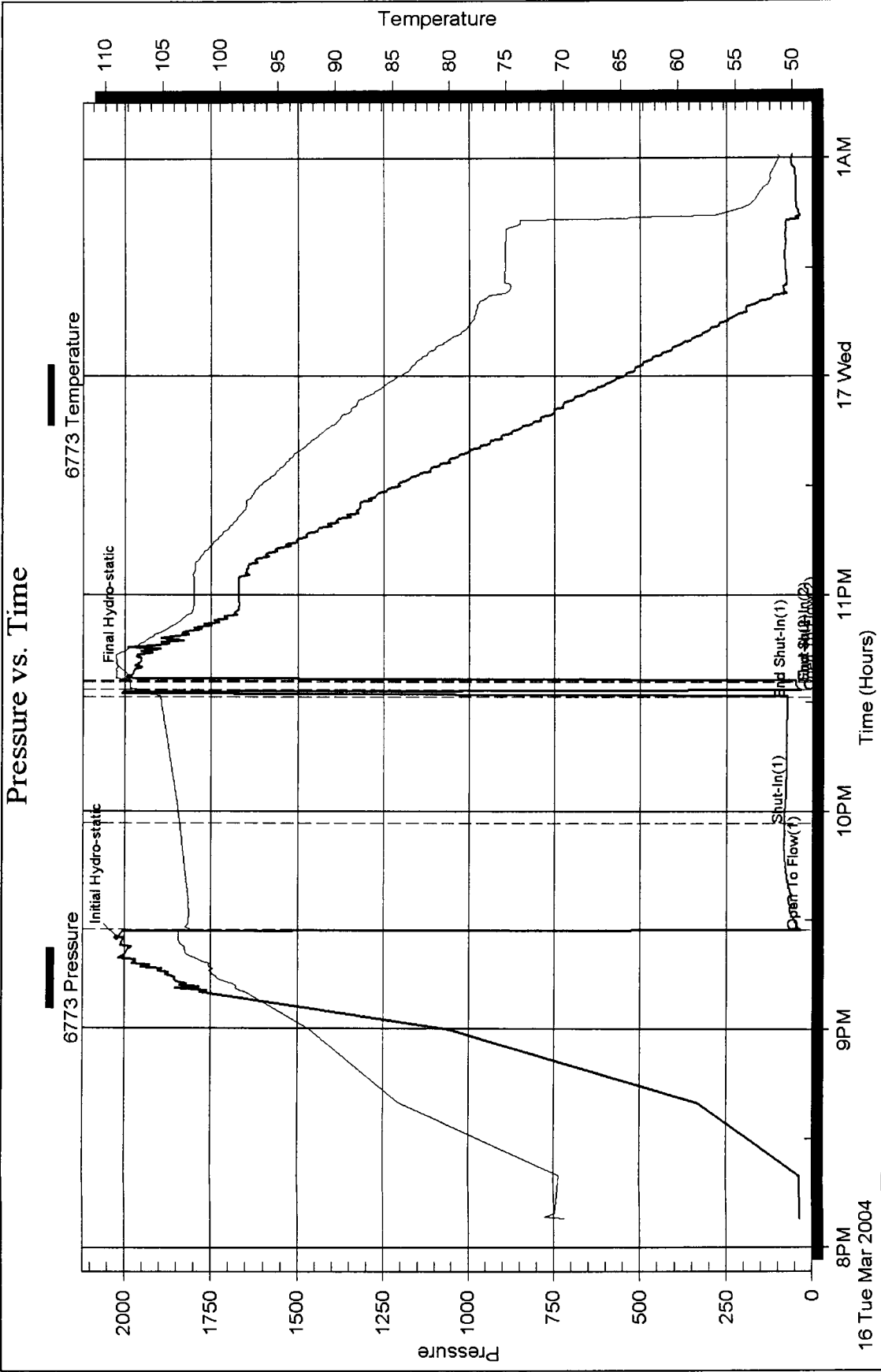
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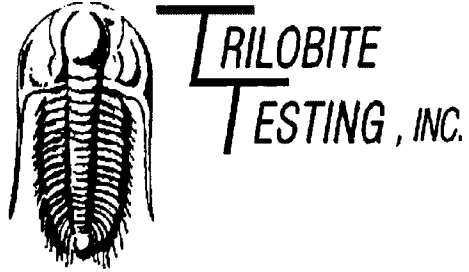
Inside

H TOI LLC

22 24-10S-31W Thomas

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **H T Oil LLC**

11875 Dublin Blvd Ste A 202
Dublin CA 94568

ATTN: Kitt Noah

21-10S-31W Thomas

22

Ottley #1

Start Date: 2004.03.17 @ 18:13:08

End Date: 2004.03.17 @ 23:31:38

Job Ticket #: 18129 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

H T Oil LLC

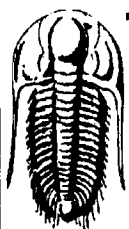
Ottley #1

22 21-10S-31W Thomas

DST # 3

L/KC "J - L"

2004.03.17



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

H T Oil LLC

Ottley #1

11875 Dublin Blvd Ste A 202
Dublin CA 94568

22 **21-10S-31W Thomas**

Job Ticket: 18129

DST#: 3

ATTN: Kitt Noah

Test Start: 2004.03.17 @ 18:13:08

GENERAL INFORMATION:

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

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:30:38

Time Test Ended: 23:31:38

Test Type: Conventional Bottom Hole

Tester: Rod Steinbrink

Unit No: 22

Interval: **4196.00 ft (KB) To 4285.00 ft (KB) (TVD)**

Reference Elevations: 2963.00 ft (KB)

Total Depth: 4285.00 ft (KB) (TVD)

2958.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6773

Inside

Press@RunDepth: 46.60 psig @ 4197.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2004.03.17

End Date: 2004.03.17

Last Calib.: 1899.12.30

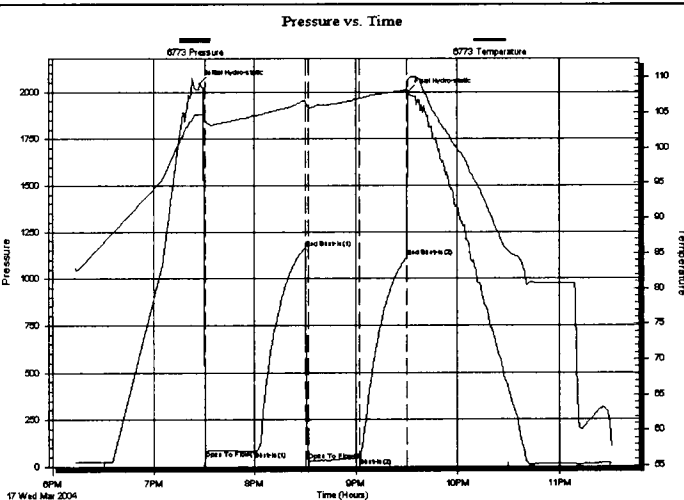
Start Time: 18:13:23

End Time: 23:31:38

Time On Btm: 2004.03.17 @ 19:27:38

Time Off Btm: 2004.03.17 @ 21:31:08

TEST COMMENT: If; Weak surface blow built to 1"
FF; Good surge at open - no return



PRESSURE SUMMARY

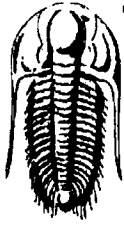
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2044.07	104.77	Initial Hydro-static
3	39.28	103.91	Open To Flow (1)
33	82.83	104.55	Shut-In(1)
63	1163.42	106.72	End Shut-In(1)
65	27.68	105.79	Open To Flow (2)
95	46.60	107.02	Shut-In(2)
123	1114.06	108.16	End Shut-In(2)
124	1999.79	109.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drig. Mud	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H T Oil LLC
11875 Dublin Blvd Ste A 202
Dublin CA 94568
ATTN: Kitt Noah

Ottley #1
22 **24-10S-31W Thomas**
Job Ticket: 18129 **DST#: 3**
Test Start: 2004.03.17 @ 18:13:08

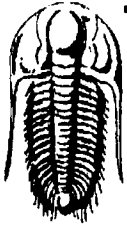
Tool Information

Drill Pipe:	Length: 4192.00 ft	Diameter: 3.80 inches	Volume: 58.80 bbl	Tool Weight: 2500.00 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: 55000.00 lb
			<u>Total Volume: 58.80 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	4196.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	78.00 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			4177.00	
Shut In Tool	5.00			4182.00	
Hydraulic tool	5.00			4187.00	
Packer	4.00			4191.00	20.00 Bottom Of Top Packer
Packer	5.00			4196.00	
Stubb	1.00			4197.00	
Recorder	0.00	6773	Inside	4197.00	
Perforations	19.00			4216.00	
Change Over Sub	1.00			4217.00	
Anchor	31.00			4248.00	
Change Over Sub	1.00			4249.00	
Recorder	0.00	13309	Outside	4249.00	
Bullnose	5.00			4254.00	58.00 Bottom Packers & Anchor

Total Tool Length: 78.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

H T OIL LLC

Ottley #1

11875 Dublin Blvd Ste A 202
Dublin CA 94568

11 ~~21~~-10S-31W Thomas

Job Ticket: 18129

DST#: 3

ATTN: Kitt Noah

Test Start: 2004.03.17 @ 18:13:08

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: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drig. Mud	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

22

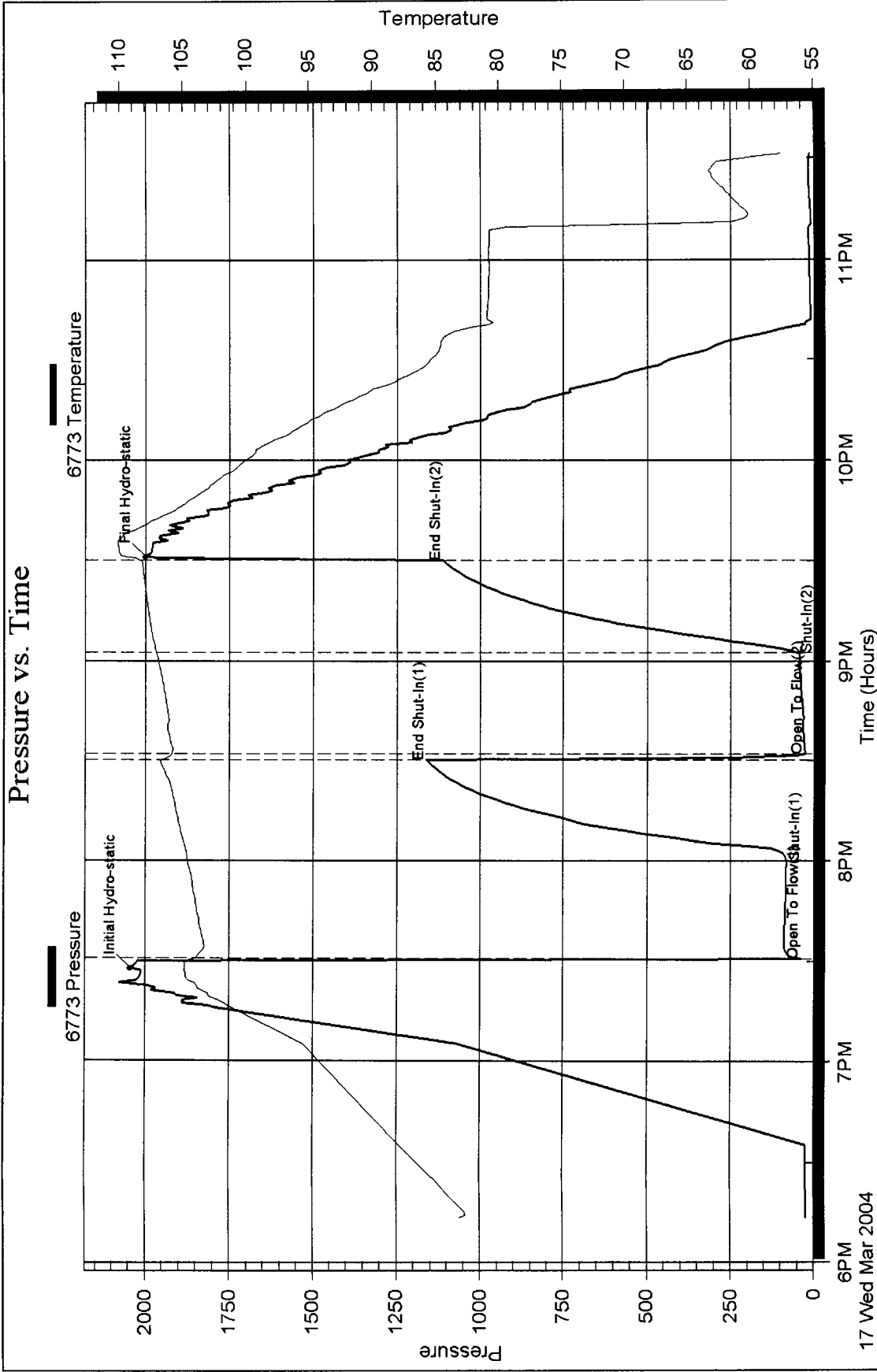
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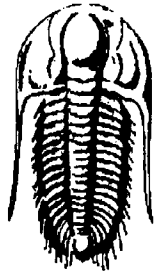
Inside

H TOI LLC

21-10S-31W Thomas

DST Test Number: 3





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **HT Oil LLC**

11875 Dublin Blvd Ste A 202
Dublin CA 94568

ATTN: Kitt Noah

21-10S-31W Thomas

22

Ottley #1

Start Date: 2004.03.18 @ 17:27:17

End Date: 2004.03.19 @ 02:39:47

Job Ticket #: 18130 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

HT Oil LLC

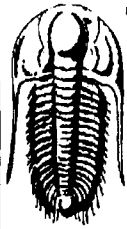
Ottley #1

22
21-10S-31W Thomas

DST # 4

Pawnee

2004.03.18



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

HT Oil LLC
 11875 Dublin Blvd Ste A 202
 Dublin CA 94568
 ATTN: Kitt Noah

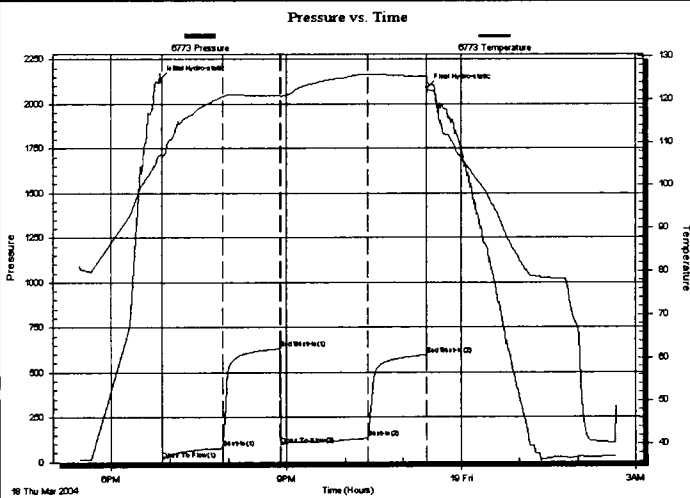
Ottley #1
ll **21-10S-31W Thomas**
 Job Ticket: 18130 **DST#: 4**
 Test Start: 2004.03.18 @ 17:27:17

GENERAL INFORMATION:

Formation: **Pawnee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:52:17
 Time Test Ended: 02:39:47
 Interval: **4379.00 ft (KB) To 4424.00 ft (KB) (TVD)**
 Total Depth: 4424.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Rod Steinbrink
 Unit No: 22
 Reference Elevations: 2963.00 ft (KB)
 2958.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6773 Inside
 Press@RunDepth: 133.09 psig @ 4380.00 ft (KB)
 Start Date: 2004.03.18 End Date: 2004.03.19
 Start Time: 17:27:32 End Time: 02:39:47
 Capacity: 7000.00 psig
 Last Calib.: 1899.12.30
 Time On Btm: 2004.03.18 @ 18:50:17
 Time Off Btm: 2004.03.18 @ 23:24:47

TEST COMMENT: IF; Weak to fair building off bttm in 50 mins
 IS; No return
 FF; Weak to fair building off bttm in 55 mins
 FSI; Weak surface return steady 1/4" thru



PRESSURE SUMMARY

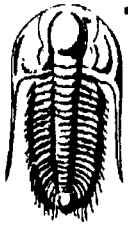
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2137.32	107.06	Initial Hydro-static
2	17.90	105.98	Open To Flow (1)
64	79.51	120.54	Shut-In(1)
123	633.12	120.85	End Shut-In(1)
124	93.79	120.67	Open To Flow (2)
214	133.09	125.71	Shut-In(2)
274	596.58	125.34	End Shut-In(2)
275	2090.38	124.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MW 95%w tr 5%mud	1.68
135.00	OCM 25%oil 75%mud	1.89
	130 GIP	

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H T Oil LLC
11875 Dublin Blvd Ste A 202
Dublin CA 94568

Ottley #1

22 **24-10S-31W Thomas**

Job Ticket: 18130

DST#: 4

ATTN: Kitt Noah

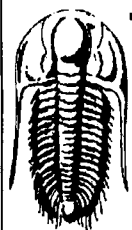
Test Start: 2004.03.18 @ 17:27:17

Tool Information

Drill Pipe:	Length: 4377.00 ft	Diameter: 3.80 inches	Volume: 61.40 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 61.40 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	4379.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	65.00 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			4360.00	
Shut In Tool	5.00			4365.00	
Hydraulic tool	5.00			4370.00	
Packer	4.00			4374.00	20.00 Bottom Of Top Packer
Packer	5.00			4379.00	
Stubb	1.00			4380.00	
Recorder	0.00	6773	Inside	4380.00	
Perforations	39.00			4419.00	
Recorder	0.00	13309	Outside	4419.00	
Bullnose	5.00			4424.00	45.00 Bottom Packers & Anchor
Total Tool Length:	65.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

H T Oil LLC

Ottley #1

11875 Dublin Blvd Ste A 202
Dublin CA 94568

22 ~~21~~-10S-31W Thomas

Job Ticket: 18130

DST#: 4

ATTN: Kitt Noah

Test Start: 2004.03.18 @ 17:27:17

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:	18000 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	MW 95%w tr 5%mud	1.683
135.00	OCM 25%oil 75%mud	1.894
	130 GIP	

Total Length: 255.00 ft Total Volume: 3.577 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW @ 35 @ 60 deg = 18,000 Chlorides

22
24-10S-31W Thomas

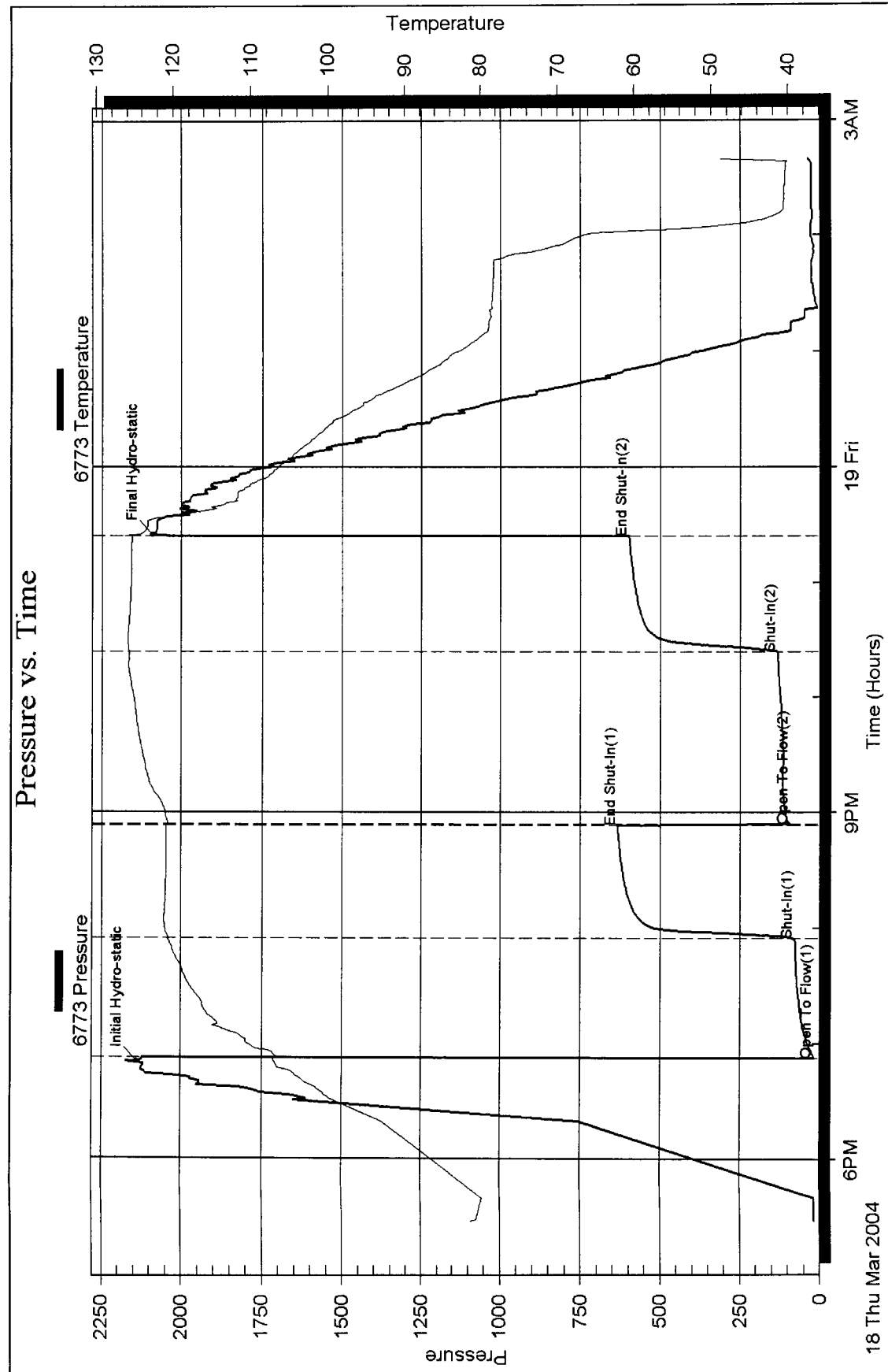
DST Test Number: 4

HTOI LLC

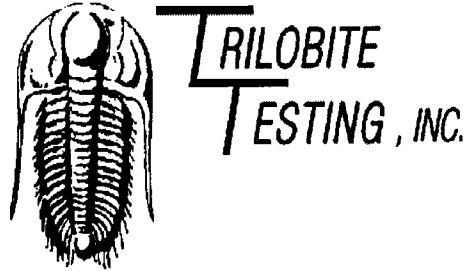
Inside

Serial #: 6773

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **H T Oil LLC**

11875 Dublin Blvd Ste A 202
Dublin CA 94568

ATTN: Kitt Noah

21-10S-31W Thomas

ll

Ottley #1

Start Date: 2004.03.19 @ 18:35:30

End Date: 2004.03.19 @ 23:08:30

Job Ticket #: 18131 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

H T Oil LLC

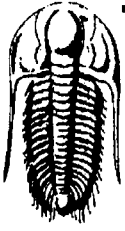
Ottley #1

ll 21-10S-31W Thomas

DST # 5

Johnson

2004.03.19



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

H T OIL LLC
 11875 Dublin Blvd Ste A 202
 Dublin CA 94568
 ATTN: Kitt Noah

Ottley #1
21-10S-31W Thomas
 Job Ticket: 18131 DST#: 5
 Test Start: 2004.03.19 @ 18:35:30

GENERAL INFORMATION:

Formation: **Johnson**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole
 Time Tool Opened: 20:16:00 Tester: Rod Steinbrink
 Time Test Ended: 23:08:30 Unit No: 22
 Interval: **4512.00 ft (KB) To 4550.00 ft (KB) (TVD)**
 Reference Elevations: 2963.00 ft (KB)
 Total Depth: 4550.00 ft (KB) (TVD) 2958.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

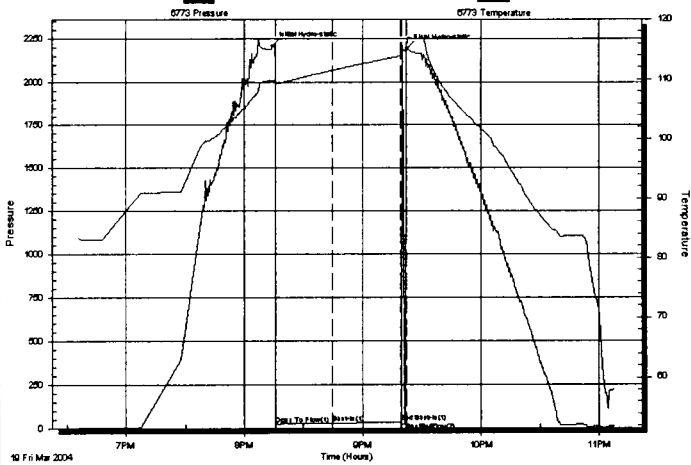
Serial #: 6773

Inside

Press@RunDepth: 28.19 psig @ 4513.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2004.03.19 End Date: 2004.03.19 Last Calib.: 1899.12.30
 Start Time: 18:35:45 End Time: 23:08:30 Time On Btm: 2004.03.19 @ 20:14:15
 Time Off Btm: 2004.03.19 @ 21:22:30

TEST COMMENT: IF; Weak surface blow died in 15 mins
 FF; No return/ flushed tool-good surge/ No blow TOH

Pressure vs. Time



PRESSURE SUMMARY

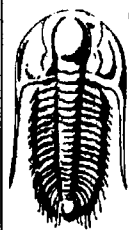
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2208.24	109.85	Initial Hydro-static
2	23.73	109.19	Open To Flow (1)
31	28.19	111.48	Shut-In(1)
65	31.61	113.84	End Shut-In(1)
66	31.55	113.87	Open To Flow (2)
68	30.00	114.65	Shut-In(2)
69	2194.80	116.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Drig. Mud	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

HT Oil LLC
11875 Dublin Blvd Ste A 202
Dublin CA 94568

Ottley #1

22 **24-10S-31W Thomas**

Job Ticket: 18131

DST#: 5

ATTN: Kitt Noah

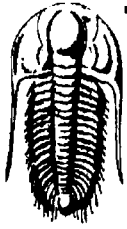
Test Start: 2004.03.19 @ 18:35:30

Tool Information

Drill Pipe:	Length: 4505.00 ft	Diameter: 3.80 inches	Volume: 63.19 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 63.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	4512.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	58.00 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			4493.00	
Shut In Tool	5.00			4498.00	
Hydraulic tool	5.00			4503.00	
Packer	4.00			4507.00	20.00 Bottom Of Top Packer
Packer	5.00			4512.00	
Stubb	1.00			4513.00	
Recorder	0.00	6773	Inside	4513.00	
Perforations	32.00			4545.00	
Recorder	0.00	13309	Outside	4545.00	
Bullnose	5.00			4550.00	38.00 Bottom Packers & Anchor
Total Tool Length:	58.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

H T OIL LLC

Ottley #1

11875 Dublin Blvd Ste A 202
Dublin CA 94568

22 **21-10S-31W Thomas**

Job Ticket: 18131

DST#: 5

ATTN: Kitt Noah

Test Start: 2004.03.19 @ 18:35:30

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: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Drlg. Mud	0.014

Total Length: 1.00 ft Total Volume: 0.014 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6773

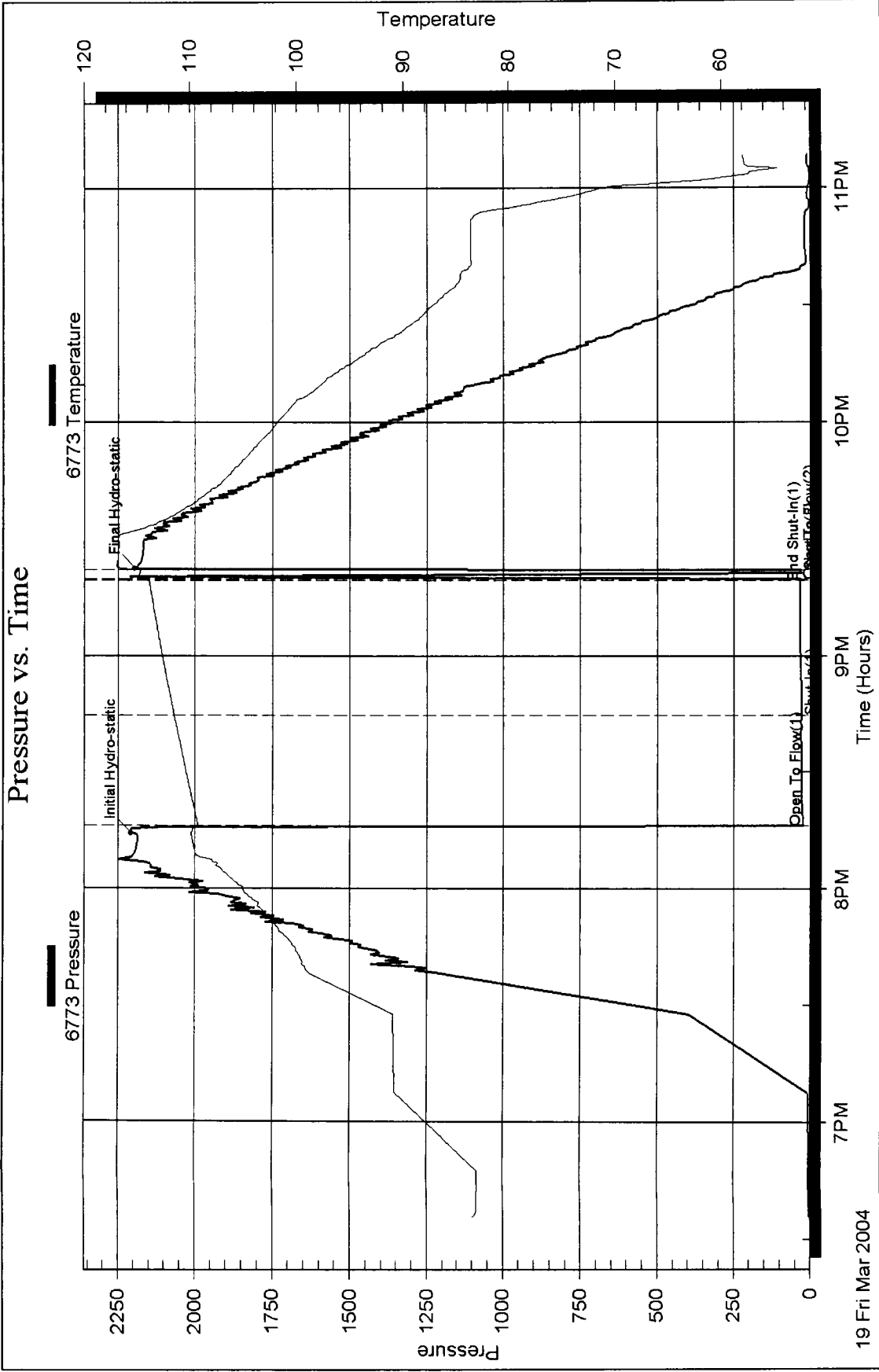
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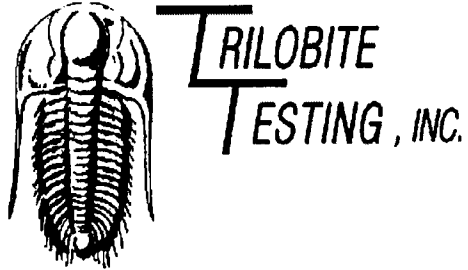
HT Oil LLC

22
X-10S-31W Thomas

DST Test Number: 5

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **H T Oil LLC**

11875 Dublin Blvd Ste A 202
Dublin CA 94568

ATTN: Kitt Noah

21-10S-31W Thomas

22

Ottley #1

Start Date: 2004.03.20 @ 09:52:54

End Date: 2004.03.20 @ 17:37:39

Job Ticket #: 18132 DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

H T Oil LLC

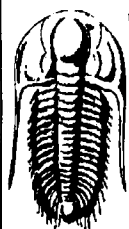
Ottley #1

21-10S-31W Thomas

DST # 6

Mississippian

2004.03.20



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

H T Oil LLC
11875 Dublin Blvd Ste A 202
Dublin CA 94568

Ottley #1

21-10S-31W Thomas

Job Ticket: 18132 DST#: 6

ATTN: Kitt Noah

Test Start: 2004.03.20 @ 09:52:54

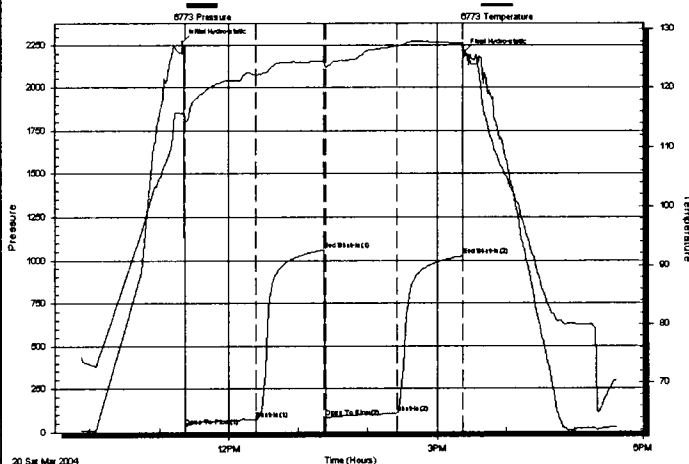
GENERAL INFORMATION:

Formation: **Mississippian**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:22:09
 Time Test Ended: 17:37:39
 Interval: **4548.00 ft (KB) To 4603.00 ft (KB) (TVD)**
 Total Depth: 4603.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Rod Steinbrink
 Unit No: 22
 Reference Elevations: 2963.00 ft (KB)
 2958.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6773 Inside
 Press@RunDepth: 107.60 psig @ 4549.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2004.03.20 End Date: 2004.03.20 Last Calib.: 1899.12.30
 Start Time: 09:53:09 End Time: 17:37:39 Time On Btm: 2004.03.20 @ 11:20:09
 Time Off Btm: 2004.03.20 @ 15:23:24

TEST COMMENT: IF; Weak to fair off bttm in 25 mins
 IS; No retrun
 FF; Fair blow off bttm in 10 mins
 FS; No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2267.24	115.73	Initial Hydro-static
2	33.01	114.17	Open To Flow (1)
64	71.92	122.11	Shut-in(1)
123	1059.77	124.44	End Shut-in(1)
124	80.32	123.46	Open To Flow (2)
185	107.60	127.13	Shut-in(2)
242	1025.68	127.53	End Shut-in(2)
244	2205.70	126.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
200.00	HGOCM 35%gas 25%oil 40%mud	2.81
	970 GIP	

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H T Oil LLC

Ottley #1

11875 Dublin Blvd Ste A 202
Dublin CA 94568

22 **21-10S-31W Thomas**

Job Ticket: 18132

DST#: 6

ATTN: Kitt Noah

Test Start: 2004.03.20 @ 09:52:54

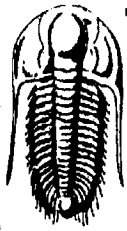
Tool Information

Drill Pipe:	Length: 4536.00 ft	Diameter: 3.80 inches	Volume: 63.63 bbl	Tool Weight: 2500.00 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: 60000.00 lb
			<u>Total Volume: 63.63 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	4548.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 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			4529.00	
Shut In Tool	5.00			4534.00	
Hydraulic tool	5.00			4539.00	
Packer	4.00			4543.00	20.00 Bottom Of Top Packer
Packer	5.00			4548.00	
Stubb	1.00			4549.00	
Recorder	0.00	6773	Inside	4549.00	
Perforations	17.00			4566.00	
Change Over Sub	1.00			4567.00	
Anchor	30.00			4597.00	
Change Over Sub	1.00			4598.00	
Recorder	0.00	13309	Outside	4598.00	
Bullnose	5.00			4603.00	55.00 Bottom Packers & Anchor

Total Tool Length: 75.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

HT Oil LLC
11875 Dublin Blvd Ste A 202
Dublin CA 94568
ATTN: Kitt Noah

Ottley #1
22 **21-10S-31W Thomas**
Job Ticket: 18132 **DST#: 6**
Test Start: 2004.03.20 @ 09:52:54

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: 44.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
200.00	HGOCM 35%gas 25%oil 40%mud	2.805
	970 GIP	

Total Length: -999799.00 ft Total Volume: 2.805 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

22
X1-10S-31W Thomas

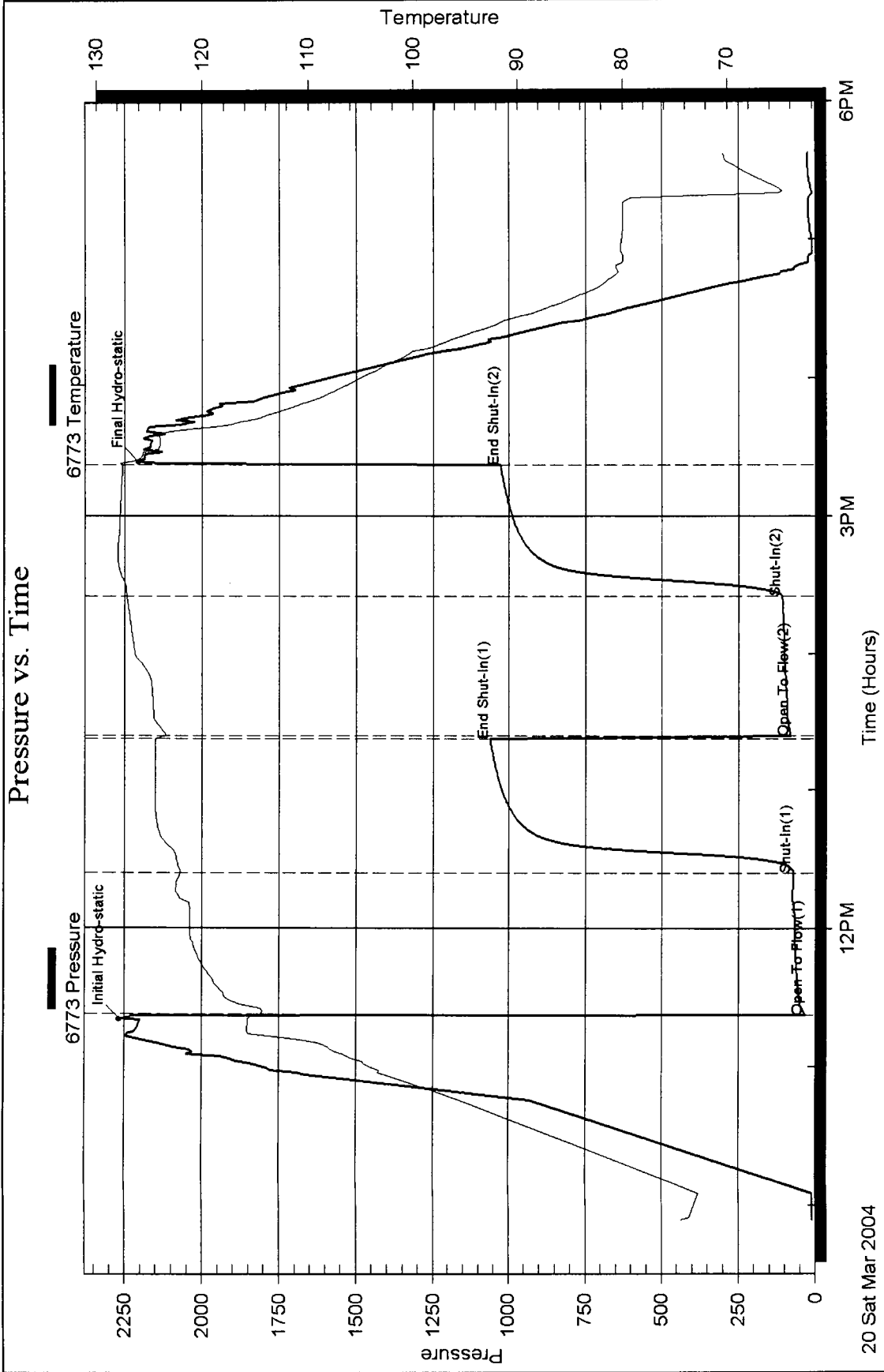
DST Test Number: 6

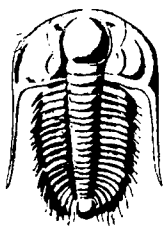
HT Oil LLC

Inside

Serial #: 6773

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV
6286

Nº 18127

05/03

Test Ticket

Well Name & No. Ottley #1 Test No. 1 Date 3-16-04
 Company HT Oil LLC. Zone Tested LKLC 'H'
 Address 11875 Dublin Blvd Ste A 202 Dublin CA. 94568 Elevation 2963 KB 2958 GL
 Co. Rep / Geo. Kitt Noah Cont. A + A #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 22 Twp. 10^s Rge. 31^w Co. Thomas State KS.
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4137 - 4170 Initial Str Wt./Lbs. 42,000 Unseated Str Wt/Lbs. 42,000
 Anchor Length 33' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 50,000
 Top Packer Depth 4132 Tool Weight 2,000
 Bottom Packer Depth 4137 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 4170 Wt. Pipe Run _____ Drill Collar Run _____
 Mud Wt. 9.4 LCM — Vis. 50 WL 8.8 Drill Pipe Size 4 1/2" x H/FH Ft. Run 4131'
 Blow Description IF: Weak surface blow built to 1"

FF: No return blow

Recovery - Total Feet 5' GIP — Ft. in DC — Ft. in DP 5'

Rec.	Feet of	%gas	%oil	%water	%mud
<u>5'</u>	<u>Slightly Oil Specked</u>				
	<u>Mud</u>				

 BHT 116° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 2,000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2039</u> PSI		<u>6773</u>	<u>800</u>
(B) First Initial Flow Pressure	<u>47</u> PSI		(depth) <u>4138</u>	Elec. Rec. <u>X</u> <u>150</u>
(C) First Final Flow Pressure	<u>85</u> PSI		Recorder No. <u>13309</u>	Jars _____
(D) Initial Shut-In Pressure	<u>780</u> PSI		(depth) <u>4165</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>79</u> PSI		Recorder No. _____	Circ Sub <u>X</u> <u>N/C</u>
(F) Second Final Flow Pressure	<u>95</u> PSI		(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>630</u> PSI	Initial Opening	<u>45</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1977</u> PSI	Initial Shut-In	<u>45</u>	Ext. Packer _____
		Final Flow	<u>45</u>	Shale Packer _____
		Final Shut-In	<u>45</u>	Mileage <u>1 way 57 96.90</u>
		T-On Location	<u>0030 3-16-04</u>	Sub Total: <u>1046.90</u>
		T-Started	<u>0315</u>	Std. By <u>2</u> <u>60</u>
		T-Open	<u>0604</u>	Other _____
		T-Pulled	<u>0902</u>	Total: <u>1106.90</u>
		T-Out	<u>1100</u>	

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

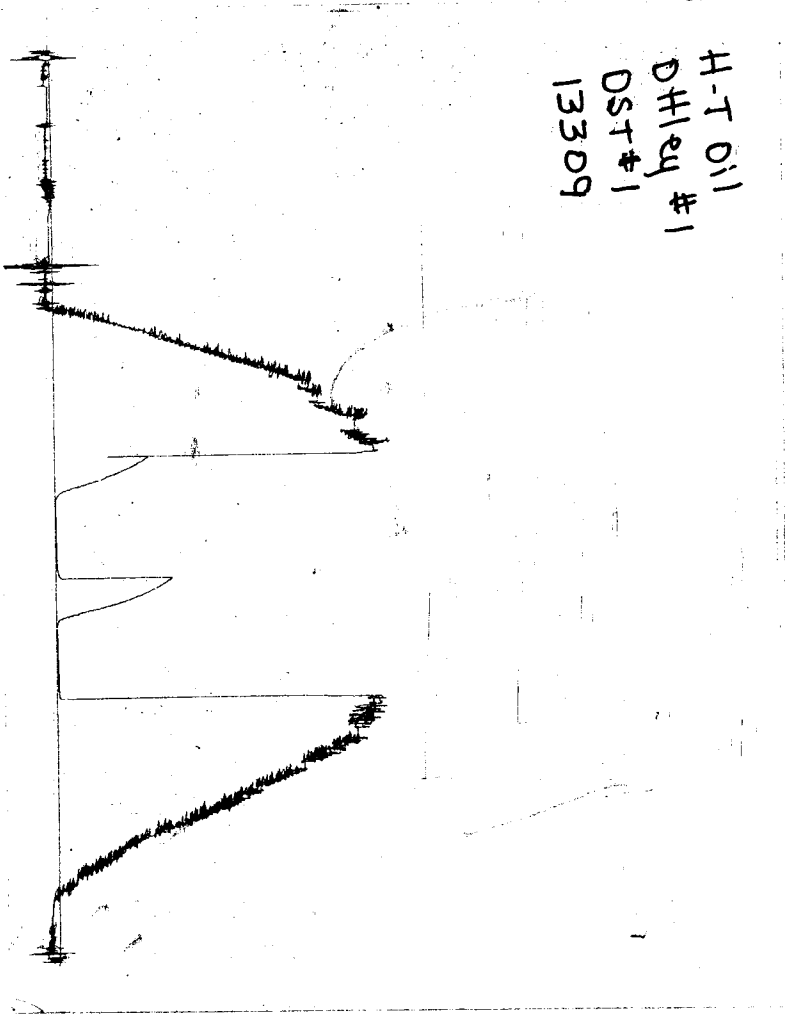
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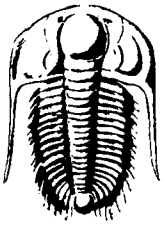
Our Representative Rod Steinbrink

CHART PAGE

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

H-T 011
D#1 eq #1
DST #1
13309





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 18128

05/03

Test Ticket

Well Name & No. Ottley #1 Test No. 2 Date 3-16-04
 Company HT Oil LLC Zone Tested L/KC '1'
 Address 11875 Dublin Blvd. Ste A 202 Dublin CA 94568 Elevation 2963 KB 2958 GL
 Co. Rep / Geo. Kitt Noah Cont. HT Oil #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 22 Twp. 10^S Rge. 31^W Co. Thomas State KS.
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4169 - 4188 97 Initial Str Wt./Lbs. 42,000 Unseated Str Wt/Lbs. 42,000
 Anchor Length 28' Wt. Set Lbs. 250,000 Wt. Pulled Loose/Lbs. 60,000
 Top Packer Depth 4166 64 Tool Weight _____
 Bottom Packer Depth 4169 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 4188 97 Wt. Pipe Run _____ Drill Collar Run _____
 Mud Wt. 9.2 LCM - Vis. 52 WL 8.8 Drill Pipe Size 4 1/2" XH/FH Ft. Run 4153'
 Blow Description IF: Weak surface blow died at 25 mins

FF: No blow - flush tool / good surge - no return TOH

Recovery - Total Feet 2' GIP - Ft. in DC - Ft. in DP _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. 2' Feet of Drig Mud %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 BHT 107° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 2,000 ppm System

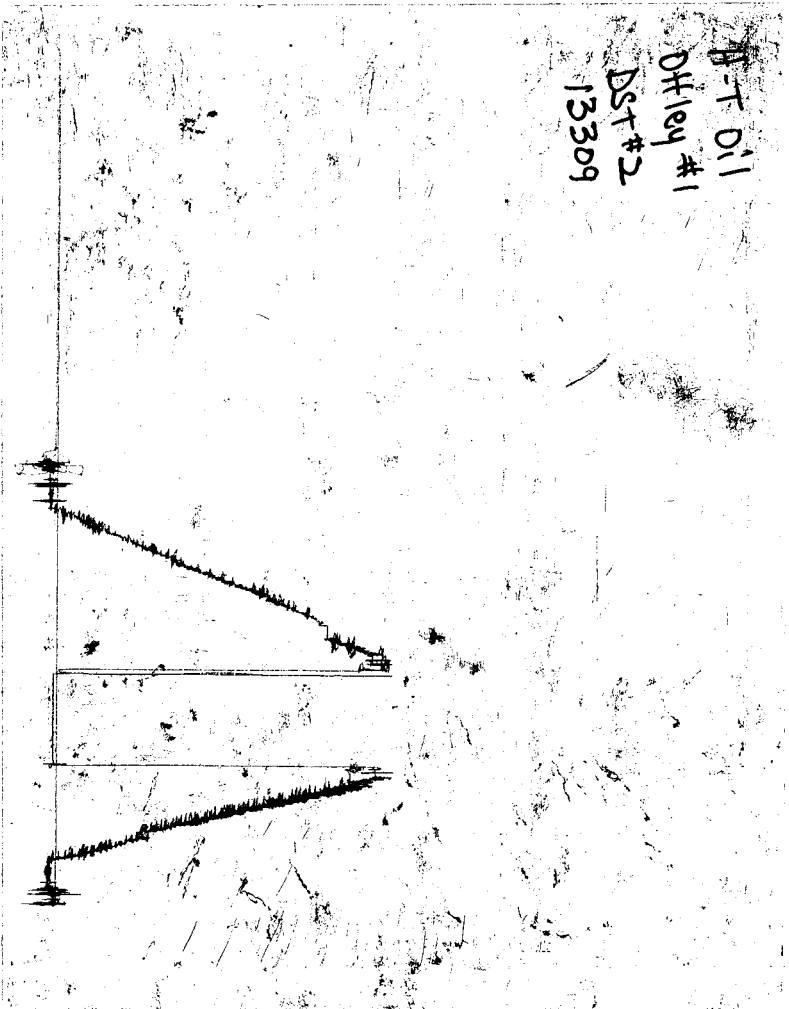
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2021</u>	PSI	<u>6773</u>	<u>800</u>
(B) First Initial Flow Pressure	<u>33</u>	PSI	(depth) <u>4166 65</u>	Elec. Rec. <u>X</u> <u>150</u>
(C) First Final Flow Pressure	<u>80</u>	PSI	Recorder No. <u>13309</u>	Jars _____
(D) Initial Shut-In Pressure	<u>72</u>	PSI	(depth) <u>4188 92</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>34</u>	PSI	Recorder No. _____	Circ Sub <u>X</u> <u>N/C</u>
(F) Second Final Flow Pressure	<u>49</u>	PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>51</u>	PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1987</u>	PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
			Final Flow <u>-</u>	Shale Packer _____
			Final Shut-In <u>-</u>	Mileage <u>57</u> <u>9690</u>
			T-On Location <u>2000</u>	Sub Total: <u>1096.90</u>
			T-Started <u>2007</u>	Std. By _____
			T-Open <u>2127</u>	Other _____
			T-Pulled <u>2236</u>	Total: _____
			T-Out <u>0101 3-17-04</u>	
			T-off <u>0200</u>	

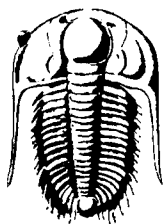
TRILLOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Kitt Noah
 Our Representative Rod Steinbrink

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

Nº 18129

05/03

Test Ticket

Well Name & No. Ottley #1 Test No. 3 Date 3-17-04
 Company HT Oil LLC Zone Tested L/KC J-K-L
 Address 11875 Dublin Blvd. Ste A 202 Dublin CA 94568 Elevation 2963 KB 2958 GL
 Co. Rep / Geo. Kitt Noah Cont. HT Oil #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 22 Twp. 10^s Rge. 31^w Co. Thomas State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4196 - 4285 Initial Str Wt./Lbs. 45,000 Unseated Str Wt/Lbs. 45,000
 Anchor Length 89' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 55,000
 Top Packer Depth 4191 Tool Weight 2,500
 Bottom Packer Depth 4196 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 4285 Wt. Pipe Run _____ Drill Collar Run _____
 Mud Wt. 9.1 LCM - Vis. 4B WL 8.8 Drill Pipe Size 4 1/2" FH/XH Ft. Run 4192'
 Blow Description IF: Weak surface blow built to 1"

FF: Surge at open - no return.

Recovery - Total Feet 5' GIP - Ft. in DC - Ft. in DP 5'
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. 5' Feet of Drbg Mud %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 BHT _____ °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW 108° @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 1,500 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2044</u>	PSI	<u>6773</u>	
(B) First Initial Flow Pressure	<u>39</u>	PSI	(depth) <u>4197</u>	Elec. Rec. <u>X</u>
(C) First Final Flow Pressure	<u>82</u>	PSI	Recorder No. <u>13309</u>	Jars _____
(D) Initial Shut-In Pressure	<u>1163</u>	PSI	(depth) <u>4280</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>27</u>	PSI	Recorder No. _____	Circ Sub <u>X</u> <u>NIC</u>
(F) Second Final Flow Pressure	<u>46</u>	PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>1114</u>	PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1999</u>	PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
			Final Flow <u>30</u>	Shale Packer _____
			Final Shut-In <u>30</u>	Mileage <u>57</u>

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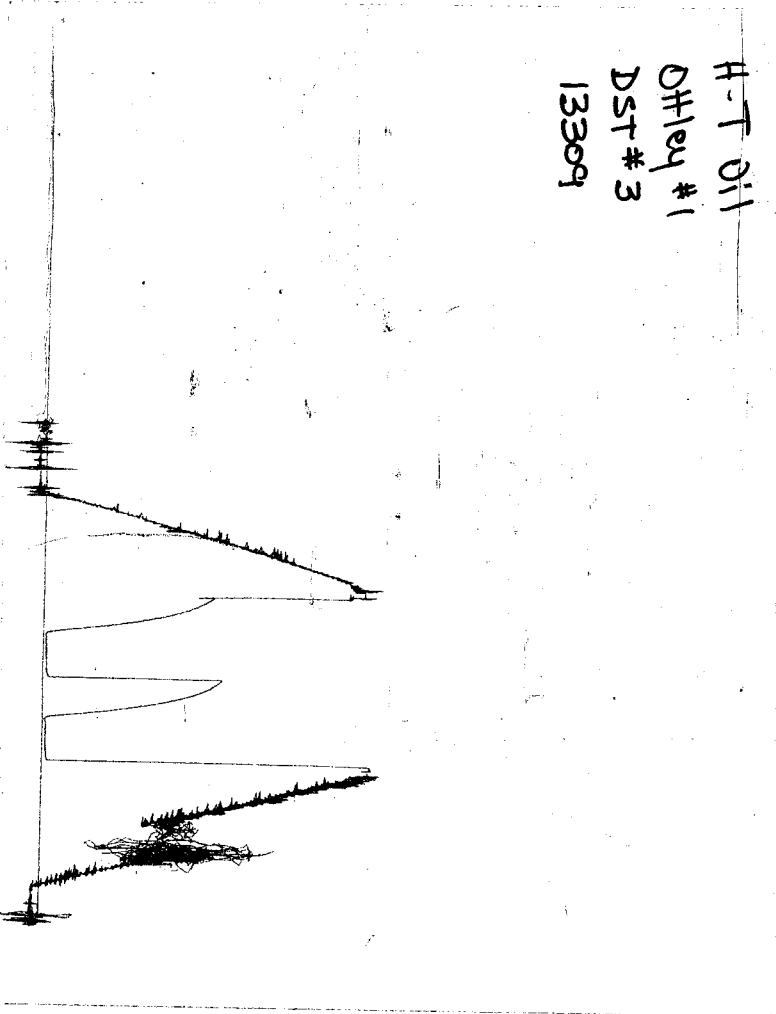
Approved By Kitt Noah
 Our Representative Rod Steinbrink

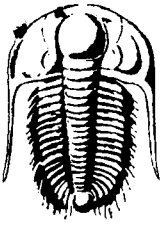
T-On Location 1800 Sub Total: 1046.90
 T-Started 1813 Std. By _____
 T-Open 1930 Other _____
 T-Pulled 2130 Total: _____
 T-Out 2331
 T-Off _____

CHART PAGE

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

H-T Oil
Offley #1
DST # 3
13309





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 18130

05/03

Test Ticket

Well Name & No. Otley #1 Test No. 4 Date 3-18-04
 Company HT Dil LLC Zone Tested Pawnee
 Address 11875 Dublin Blvd. Ste A202 Dublin CA 94568 Elevation 2963 KB 2958 GL
 Co. Rep / Geo. Kitt Noah Cont. HT Dil #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 22 Twp. 10^s Rge. 31^w Co. Thomas State KS.
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4379 - 4424 Initial Str Wt./Lbs. 45,000 Unseated Str Wt./Lbs. 48,000
 Anchor Length 45' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 60,000
 Top Packer Depth 4374 Tool Weight 2,000
 Bottom Packer Depth 4379 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 4424 Wt. Pipe Run _____ Drill Collar Run _____
 Mud Wt. 9.2 LCM - Vis. 4B WL B.B Drill Pipe Size 4 1/2" FH/XH Ft. Run 4377'
 Blow Description IF: Weak to fair building off btm in 50 mins.
ISI: No return
FF: Weak to fair building off btm in 55 mins.
FSI: Surface return steady 1/4" thru.

Recovery - Total Feet 255' GIP 130' Ft. in DC _____ Ft. in DP 255'
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. 135' Feet of DCM %gas 25 %oil _____ %water 75 %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. 120' Feet of MW %gas _____ %oil 95 %water 5 %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 BHT 125° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW .35 @ 60° °F Chlorides 18,000 ppm Recovery _____ Chlorides 1500 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2137</u>	PSI	<u>6773</u>	_____
(B) First Initial Flow Pressure	<u>17</u>	PSI	(depth) <u>4380</u>	Elec. Rec. <u>X</u>
(C) First Final Flow Pressure	<u>79</u>	PSI	Recorder No. <u>13309</u>	Jars _____
(D) Initial Shut-In Pressure	<u>633</u>	PSI	(depth) <u>4419</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>93</u>	PSI	Recorder No. _____	Circ Sub <u>X</u> <u>N/C</u>
(F) Second Final Flow Pressure	<u>133</u>	PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>596</u>	PSI	Initial Opening <u>60</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>2090</u>	PSI	Initial Shut-In <u>60</u>	Ext. Packer _____

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Approved By [Signature]
 Our Representative Rod Steinbrink

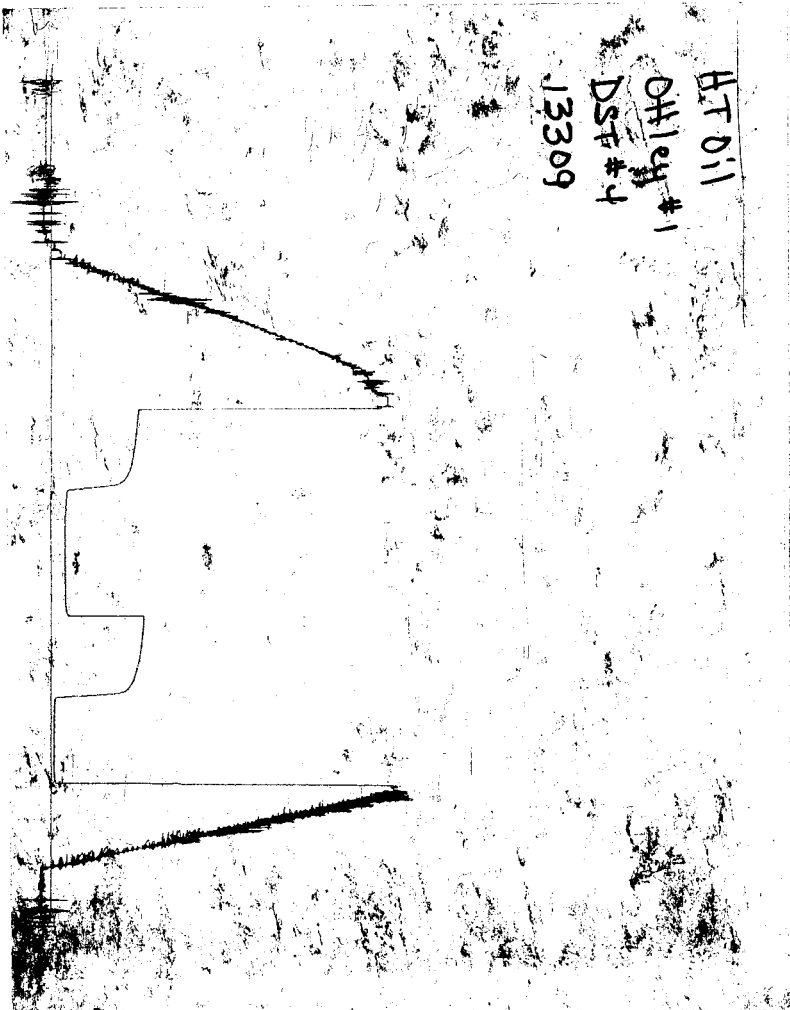
Final Flow 60 90
 Final Shut-In 60
 T-On Location 1800 1700
 T-Started 1727
 T-Open 1852
 T-Pulled 2323
 T-Out 0239 3-19-04

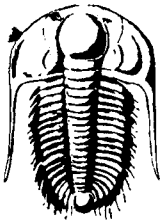
Mileage 57
 Sub Total: 1046.90
 Std. By Vchr 15
 Other _____
 Total: 1061.90



CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

N^o 18131

05/03

Test Ticket

Well Name & No. Otley #1 Test No. 5 Date 3-19-04
 Company HT Oil LLC Zone Tested Johnson
 Address 11875 Dublin Blvd. Ste A 202 Dublin CA. 94568 Elevation 2963 KB 2958 GL
 Co. Rep / Geo. Kitt Noah Cont. HT Oil #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 22 Twp. 10^s Rge. 31^w Co. Thomas State KS.
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4512 - 4580 Initial Str Wt./Lbs. 48,000 Unseated Str Wt./Lbs. 48,000
 Anchor Length 38' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 65,000
 Top Packer Depth 4507 Tool Weight 2,000
 Bottom Packer Depth 4512 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 4550 Wt. Pipe Run _____ Drill Collar Run _____
 Mud Wt. 9.0 LCM - Vis. 45 WL B.B Drill Pipe Size 4 1/2" FH/KH Ft. Run 4505'
 Blow Description IF: Weak surface blow died in 15 mins.

FF: No return / flush tool - good surge / no blow TDH

Recovery - Total Feet 1' GIP - Ft. in DC - Ft. in DP 1'
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. 1' Feet of Drig. Mud %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 BHT 113° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 1,500 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2208</u>	PSI	<u>6773</u>	_____
(B) First Initial Flow Pressure	<u>23</u>	PSI	(depth) <u>4513</u>	Elec. Rec. <u>X</u>
(C) First Final Flow Pressure	<u>28</u>	PSI	Recorder No. <u>13309</u>	Jars _____
(D) Initial Shut-In Pressure	<u>31</u>	PSI	(depth) <u>4545</u>	Safety Jt. <u>#</u>
(E) Second Initial Flow Pressure	<u>31</u>	PSI	Recorder No. _____	Circ Sub <u>X</u> <u>N/C</u>
(F) Second Final Flow Pressure	<u>30</u>	PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>-</u>	PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>2194</u>	PSI	Initial Shut-In <u>30</u>	Ext. Packer _____

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Approved By [Signature]

Our Representative Rod Steinbrink

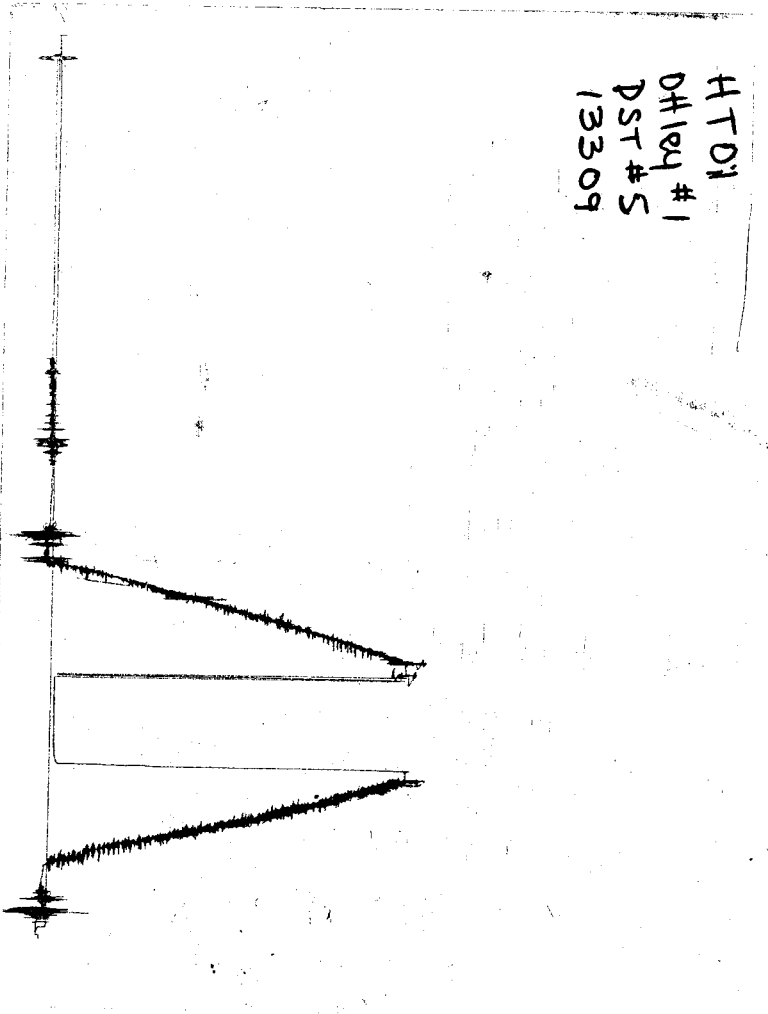
Final Flow 5
 Final Shut-In _____
 T-On Location 1815
 T-Started 1835
 T-Open 2016
 T-Pulled 2122
 T-Out 2308
 T-Off 2315

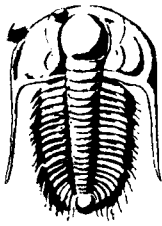
Shale Packer _____
 Mileage 57
 Sub Total: 1076.90
 Std. By _____
 Other _____
 Total: _____

CHART PAGE

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HTO1
DH184 #1
DST #5
13309





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

N^o 18132

05/03

Test Ticket

Well Name & No. OHley #1 Test No. 6 Date 3-20-04
 Company HT Oil LLC Zone Tested Mississippian
 Address 11875 Dublin Blvd. Ste 202A Dublin CA 94568 Elevation 2963 KB 2958 GL
 Co. Rep / Geo. Kitt Noah Cont. HT Oil #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 22 Twp. 10^S Rge. 31^W Co. Thomas State KS.
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4548 - 4603 Initial Str Wt./Lbs. 48,000 Unseated Str Wt/Lbs. 50,000
 Anchor Length 55' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 60,000
 Top Packer Depth 4543 Tool Weight 2,500
 Bottom Packer Depth 4548 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 4603 Wt. Pipe Run _____ Drill Collar Run _____
 Mud Wt. 9.3 LCM - Vis. 44 WL B.B Drill Pipe Size 4 1/2" FA/XH Ft. Run 4536'
 Blow Description IF: Weak to fair off btm 25 mins.
ISI: No return
FF: Fair blow off btm in 10 mins.
FSI: No return

Recovery - Total Feet 200' GIP 970' Ft. in DC - Ft. in DP 200'

Rec.	Feet of	%gas	%oil	%water	%mud
<u>200'</u>	<u>HGDCM</u>	<u>35</u>	<u>25</u>	<u>40</u>	<u>0</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

 BHT 127° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 1,500 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2267</u> PSI		<u>6773</u>	
(B) First Initial Flow Pressure	<u>33</u> PSI		(depth) <u>4549</u>	Elec. Rec. <u>X</u>
(C) First Final Flow Pressure	<u>71</u> PSI		Recorder No. <u>13309</u>	Jars _____
(D) Initial Shut-In Pressure	<u>1059</u> PSI		(depth) <u>4598</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>80</u> PSI		Recorder No. _____	Circ Sub <u>X</u> <u>N/C</u>
(F) Second Final Flow Pressure	<u>107</u> PSI		(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>1025</u> PSI	Initial Opening	<u>60</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>2205</u> PSI	Initial Shut-In	<u>60</u>	Ext. Packer _____
		Final Flow	<u>30 60</u>	Shale Packer _____
		Final Shut-In	<u>30 60</u>	Mileage _____

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Approved By Kitt Noah
 Our Representative Rod Steinbrink

T-On Location 0800 Sub Total: 1046.90
 T-Started 0952 Std. By 1/2 hr 15
 T-Open 1122 Other 1061.90
 T-Pulled 1522 Total: _____
 T-Out 1737

CHART PAGE

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

HT Oil

DHley #1

DST #6

13309

