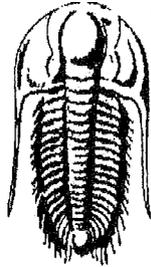


29-13s-21w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Downing-Nelson Oil Co., Inc.**

P.O.Box 372
Hays, Ks. 67601

ATTN: Ron Nelson

29--13s--21w

Connie # 1-29

Start Date: 2006.03.16 @ 04:07:14

End Date: 2006.03.16 @ 10:31:14

Job Ticket #: 23946 DST #: 1

15-195 - 22 336 - 00 - 00

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KCC WICHITA

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Downing-Nelson Oil Co., Inc.

Connie # 1-29

29--13s--21w

DST # 1

L.K.C.-C,D&E

2006.03.16



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co., Inc.

Connie # 1-29

P.O.Box 372
Hays, Ks. 67601

29-13s-21w

ATTN: Ron Nelson

Job Ticket: 23946

DST#: 1

Test Start: 2006.03.16 @ 04:07:14

GENERAL INFORMATION:

Formation: **L.Kc.-C,D&E**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:42:44
 Time Test Ended: 10:31:14

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 31

Interval: **3685.00 ft (KB) To 3748.00 ft (KB) (TVD)**

Reference Elevations: 2321.00 ft (KB)

Total Depth: 3748.00 ft (KB) (TVD)

2313.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8018

Inside

Press@RunDepth: 36.16 psig @ 3688.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2006.03.16

End Date: 2006.03.16

Last Calib.: 2006.03.16

Start Time: 04:07:19

End Time: 10:31:13

Time On Btm: 2006.03.16 @ 06:41:44

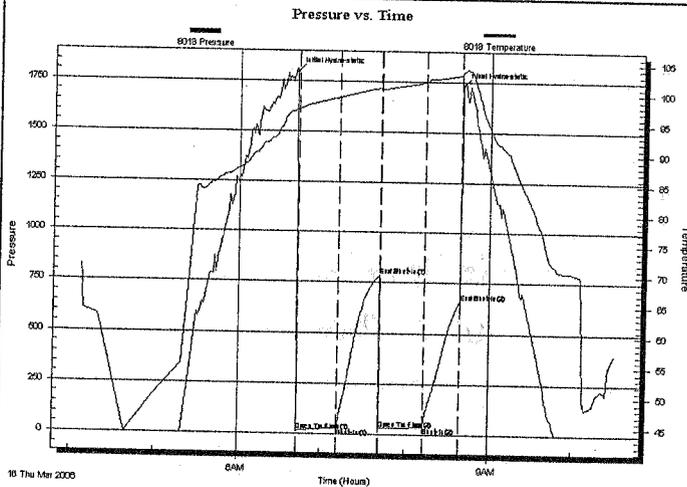
Time Off Btm: 2006.03.16 @ 08:39:44

TEST COMMENT: IF-Weak built 2" in.

FF-Very weak surface.

IS-Dead

FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1794.21	97.50	Initial Hydro-static
1	14.08	97.25	Open To Flow (1)
31	29.80	99.37	Shut-In(1)
60	785.54	100.96	End Shut-In(1)
60	29.92	100.47	Open To Flow (2)
91	36.16	101.93	Shut-In(2)
117	660.76	103.16	End Shut-In(2)
118	1728.61	103.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	D.Mud	0.29

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Downing-Nelson Oil Co., Inc.

Connie # 1-29

P.O.Box 372
Hays, Ks. 67601

29-13s-21w

Job Ticket: 23946

DST#: 1

ATTN: Ron Nelson

Test Start: 2006.03.16 @ 04:07:14

Tool Information

Drill Pipe:	Length: 3640.00 ft	Diameter: 3.80 inches	Volume: 51.06 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 51.21 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3685.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	63.00 ft			
Tool Length:	83.00 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			3666.00	
Shut In Tool	5.00			3671.00	
Hydraulic tool	5.00			3676.00	
Packer	4.00			3680.00	20.00 Bottom Of Top Packer
Packer	5.00			3685.00	
Stubb	1.00			3686.00	
Perforations	1.00			3687.00	
Change Over Sub	1.00			3688.00	
Recorder	0.00	8018	Inside	3688.00	
Blank Spacing	31.00			3719.00	
Change Over Sub	1.00			3720.00	
Recorder	0.00	11084	Outside	3720.00	
Perforations	25.00			3745.00	
Bullnose	3.00			3748.00	63.00 Bottom Packers & Anchor

Total Tool Length: 83.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing-Nelson Oil Co., Inc.

Connie # 1-29

P.O.Box 372
Hays, Ks. 67601

29-13s-21w

Job Ticket: 23946

DST#: 1

ATTN: Ron Nelson

Test Start: 2006.03.16 @ 04:07:14

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:	bbbl		
Water Loss:	8.79 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
40.00	D.Mud	0.288

Total Length: 40.00 ft Total Volume: 0.288 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 8018

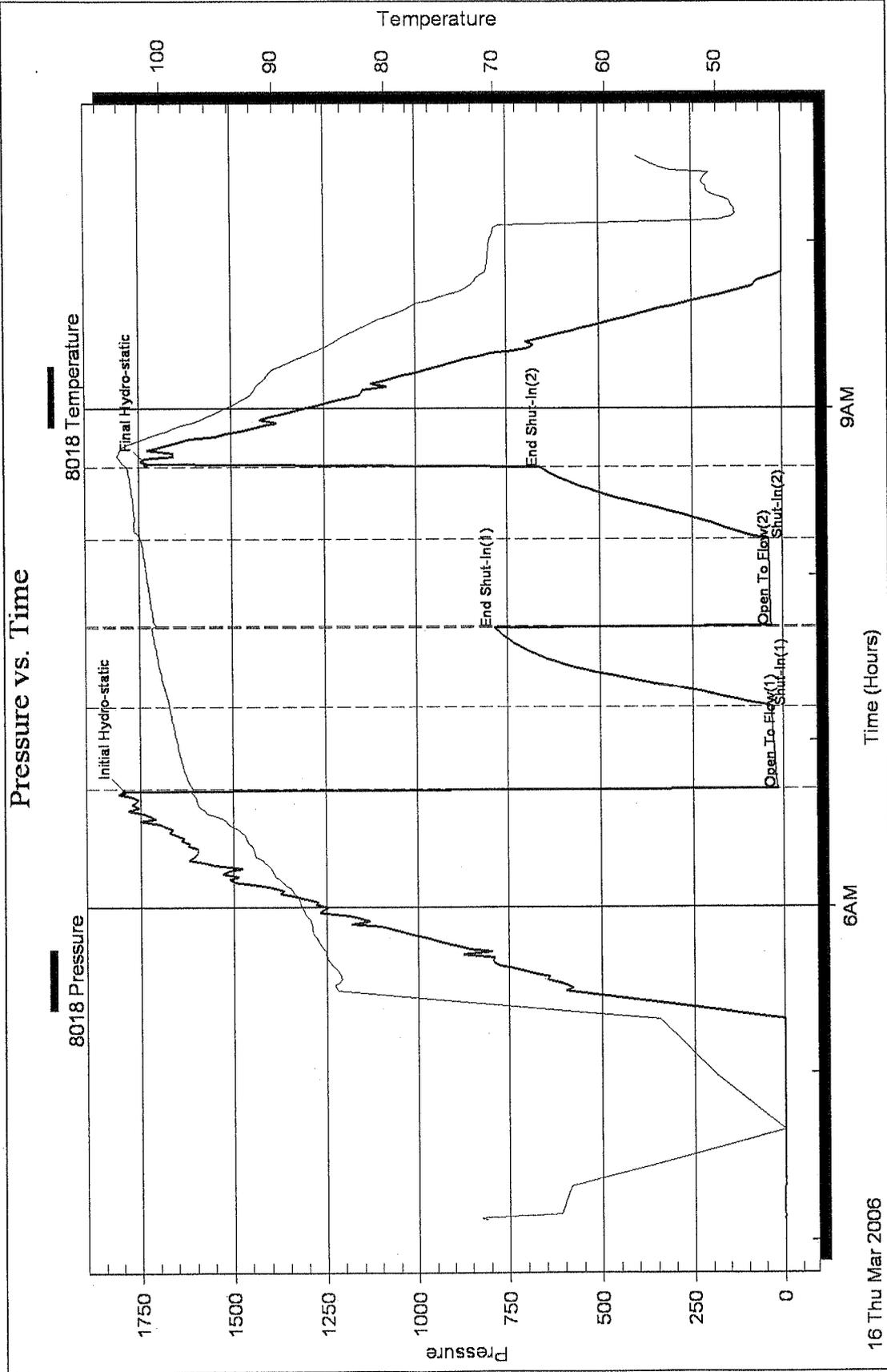
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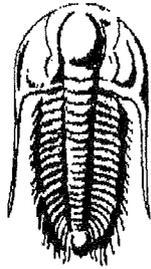
Downing-Nelson Oil Co., Inc.

29-13s-21w

DST Test Number: 1

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Downing-Nelson Oil Co., Inc.**

P.O.Box 372
Hays, Ks. 67601

ATTN: Ron Nelson

29--13s--21w

Connie # 1-29

Start Date: 2006.03.17 @ 12:26:58

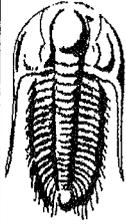
End Date: 2006.03.17 @ 19:42:58

Job Ticket #: 23947 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co., Inc.

Connie # 1-29

P.O.Box 372
Hays,Ks.67601

29-13s-21w

ATTN: Ron Nelson

Job Ticket: 23947

DST#: 2

Test Start: 2006.03.17 @ 12:26:58

GENERAL INFORMATION:

Formation: **Cong.sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:24:28
 Time Test Ended: 19:42:58
 Interval: **4032.00 ft (KB) To 4097.00 ft (KB) (TVD)**
 Total Depth: 4097.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

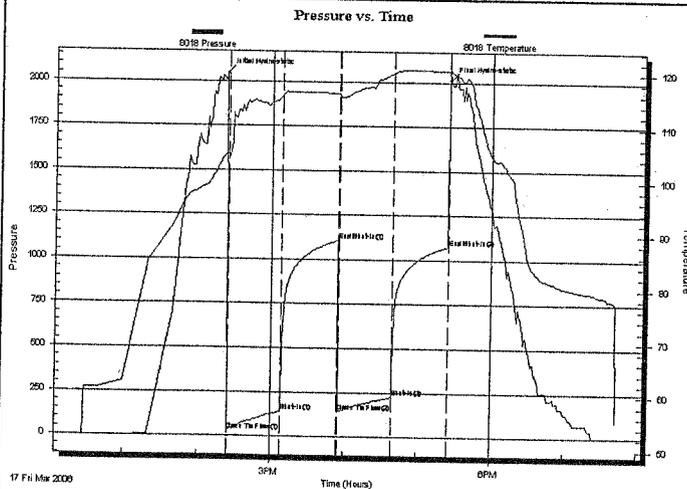
Test Type: Conventional Bottom Hole
 Tester: John Schmidt
 Unit No: 31
 Reference Elevations: 2321.00 ft (KB)
 2313.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8018

Inside

Press@RunDepth: 225.25 psig @ 4035.00 ft (KB)
 Start Date: 2006.03.17 End Date: 2006.03.17 Capacity: 7000.00 psig
 Start Time: 12:27:03 End Time: 19:42:57 Last Calib.: 2006.03.17
 Time On Btm: 2006.03.17 @ 14:23:28
 Time Off Btm: 2006.03.17 @ 17:25:58

TEST COMMENT: IF-Strong B.O.B.13 min. ISI-Very weak surf..
 FF-Strong B.O.B.17 min. FSI-Weak Surf..built to 1" in.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2045.51	105.14	Initial Hydro-static
1	26.47	104.69	Open To Flow (1)
45	140.27	115.77	Shut-In(1)
91	1107.31	116.35	End Shut-In(1)
92	142.79	115.92	Open To Flow (2)
136	225.25	120.02	Shut-In(2)
182	1075.23	120.52	End Shut-In(2)
183	2014.20	120.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
506.00	Muddy oil-20%mud-80%oil	6.82
0.00	100 gas in pipe	0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dow ning-Nelson Oil Co., Inc.

Connie # 1-29

P.O.Box 372
Hays,Ks.67601

29-13s-21w

Job Ticket: 23947

DST#: 2

ATTN: Ron Nelson

Test Start: 2006.03.17 @ 12:26:58

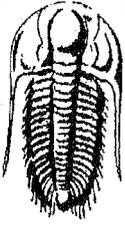
Tool Information

Drill Pipe:	Length: 4012.00 ft	Diameter: 3.80 inches	Volume: 56.28 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 56.43 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	4032.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.00 ft			
Tool Length:	85.00 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			4013.00	
Shut In Tool	5.00			4018.00	
Hydraulic tool	5.00			4023.00	
Packer	4.00			4027.00	20.00 Bottom Of Top Packer
Packer	5.00			4032.00	
Stubb	1.00			4033.00	
Perforations	1.00			4034.00	
Change Over Sub	1.00			4035.00	
Recorder	0.00	8018	Inside	4035.00	
Blank Spacing	31.00			4066.00	
Change Over Sub	1.00			4067.00	
Recorder	0.00	11084	Outside	4067.00	
Perforations	27.00			4094.00	
Bullnose	3.00			4097.00	65.00 Bottom Packers & Anchor

Total Tool Length: 85.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing-Nelson Oil Co., Inc.

Connie # 1-29

P.O.Box 372
Hays, Ks. 67601

29-13s-21w

ATTN: Ron Nelson

Job Ticket: 23947

DST#: 2

Test Start: 2006.03.17 @ 12:26:58

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length:	Water Salinity:	ppm
Viscosity: 53.00 sec/qt	ft		
Water Loss: 9.39 in ³	Cushion Volume:		
Resistivity: ohm.m	Gas Cushion Type:		
Salinity: ppm	Gas Cushion Pressure:		
Filter Cake: inches	psig		

Recovery Information

Recovery Table

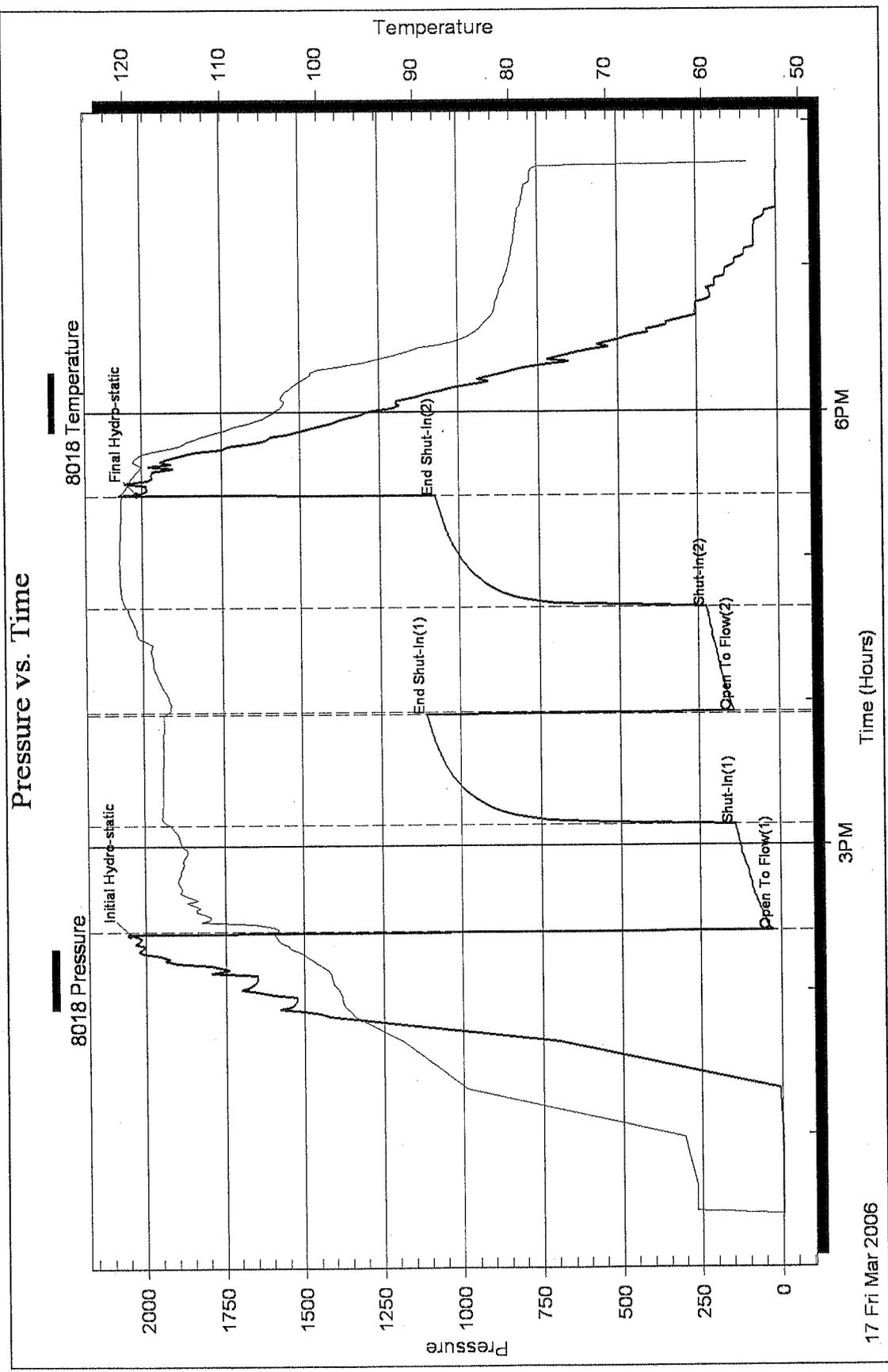
Length ft	Description	Volume bbl
506.00	Muddy oil-20% mud-80% oil	6.825
0.00	100 gas in pipe	0.000

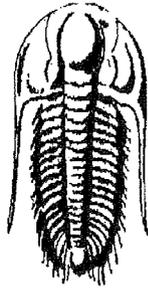
Total Length: 506.00 ft Total Volume: 6.825 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Phillips Exploration Co LC**

4109 N Ironwood
Wichita Ks 67226

ATTN: Jim Phillips

30 10 23 Graham KS

Griffith # 1-30

Start Date: 2006.06.21 @ 05:45:43

End Date: 2006.06.21 @ 12:12:58

Job Ticket #: 25094 DST #: 1

15-065-23180-00-00

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Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Phillips Exploration Co LC

Griffith # 1-30

30 10 23 Graham KS

DST # 1

B-C

LKC

2006.06.21



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Phillips Exploration Co LC

Griffith # 1-30

4109 N Ironwood
Wichita Ks 67226

30 10 23 Graham KS

Job Ticket: 25094

DST#: 1

ATTN: Jim Phillips

Test Start: 2006.06.21 @ 05:45:43

GENERAL INFORMATION:

Formation: **B-C LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:53:13

Time Test Ended: 12:12:58

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: **3766.00 ft (KB) To 3800.00 ft (KB) (TVD)**

Total Depth: 3800.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2402.00 ft (KB)

2397.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **6741** Inside

Press@RunDepth: 29.99 psig @ 3767.00 ft (KB)

Start Date: 2006.06.21

End Date: 2006.06.21

Start Time: 05:45:45

End Time: 12:12:58

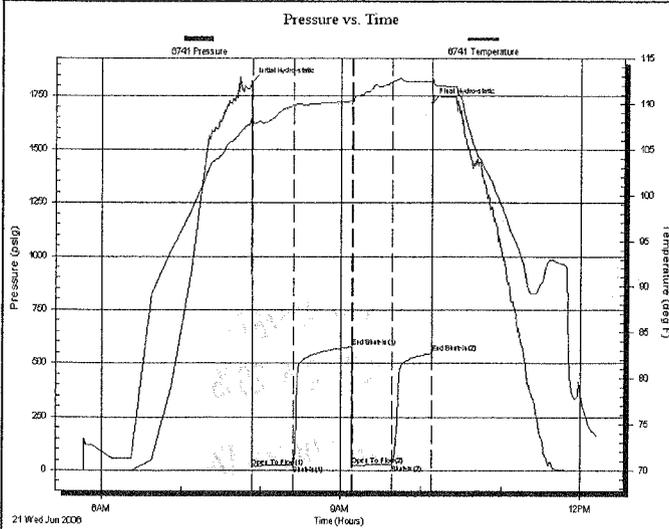
Capacity: 7000.00 psig

Last Calib.: 2006.06.21

Time On Btm: 2006.06.21 @ 07:52:58

Time Off Btm: 2006.06.21 @ 10:08:28

TEST COMMENT: IF Weak building to 3/4 "
FF Weak steady surface blow
Times 30 45 30 30



PRESSURE SUMMARY

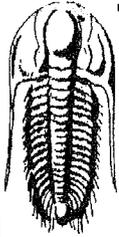
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1814.81	108.34	Initial Hydro-static
1	14.01	107.59	Open To Flow (1)
32	23.32	109.89	Shut-In(1)
75	577.48	110.29	End Shut-In(1)
76	22.69	110.25	Open To Flow (2)
106	29.99	112.42	Shut-In(2)
136	548.19	112.43	End Shut-In(2)
136	1718.90	112.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	Muddy Wtr Rw .32 @ 86 = 32000ppm	0.56

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Phillips Exploration Co LC

Griffith # 1-30

4109 N Ironwood
Wichita Ks 67226

30 10 23 Graham KS

Job Ticket: 25094

DST#: 1

ATTN: Jim Phillips

Test Start: 2006.06.21 @ 05:45:43

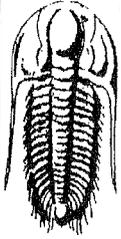
Tool Information

Drill Pipe:	Length: 3760.00 ft	Diameter: 3.80 inches	Volume: 52.74 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: 52.74 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	3766.00 ft			Final 34000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 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			3743.00	
Shut In Tool	5.00			3748.00	
Hydraulic tool	5.00			3753.00	
Safety Joint	3.00			3756.00	
Packer	5.00			3761.00	24.00 Bottom Of Top Packer
Packer	5.00			3766.00	
Stubb	1.00			3767.00	
Recorder	0.00	6741	Inside	3767.00	
Perforations	30.00			3797.00	
Recorder	0.00	13254	Outside	3797.00	
Bullnose	3.00			3800.00	34.00 Bottom Packers & Anchor

Total Tool Length: 58.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Phillips Exploration Co LC

Griffith # 1-30

4109 N Ironwood
Wichita Ks 67226

30 10 23 Graham KS

ATTN: Jim Phillips

Job Ticket: 25094 DST#: 1

Test Start: 2006.06.21 @ 05:45:43

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil Apt:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1200.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	Muddy Wtr Rw .32 @ 86 = 32000ppm	0.561

Total Length: 40.00 ft Total Volume: 0.561 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 6741

Inside

Phillips Exploration Co LC

30 10 23 Graham KS

DST Test Number: 1

Pressure vs. Time

