

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Staab Oil Company**

1607 Hopewell Road
Hays, Ks. 67601

ATTN: Randy Killian

27-12s-17w-Ellis

Ed Schmeidler #4

Start Date: 2005.04.23 @ 02:52:01

End Date: 2005.04.23 @ 10:24:16

Job Ticket #: 21048 DST #: 1

15-051-25407-00-00
SW NW NE
990 FSL 2310 FWL

RECEIVED
KANSAS CORPORATION COMMISSION

NOV 30 2007

CONSERVATION DIVISION
WICHITA, KS

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

15-051-25407
Staab Oil Company

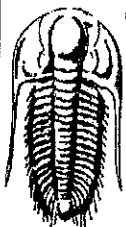
Ed Schmeidler #4

27-12s-17w-Ellis

DST # 1

LKC-"C-G"

2005.04.23



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Staab Oil Company

1607 Hopewell Road
Hays, Ks. 67601

ATTN: Randy Killian

Ed Schmeidler #4

27-12s-17w-Ellis

Job Ticket: 21048

DST#: 1

Test Start: 2005.04.23 @ 02:52:01

GENERAL INFORMATION:

Formation: **LKC-"C-G"**

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

Time Tool Opened: 05:09:01

Time Test Ended: 10:24:16

Interval: **3285.00 ft (KB) To 3435.00 ft (KB) (TVD)**

Total Depth: **3435.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

Test Type: **Conventional Bottom Hole**

Tester: **Jason McLemore**

Unit No: **32**

Reference Elevations: **2076.00 ft (KB)**

2071.00 ft (CF)

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

Serial #: 6741

Inside

Press@RunDepth: **35.02 psig @ 3287.00 ft (KB)**

Start Date: **2005.04.23**

End Date: **2005.04.23**

Start Time: **02:52:03**

End Time: **10:24:16**

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Time On Btm: **2005.04.23 @ 05:08:46**

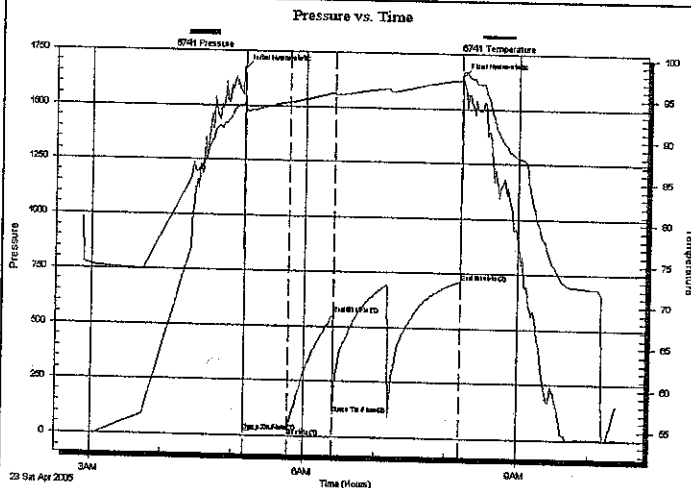
Time Off Btm: **2005.04.23 @ 08:13:01**

TEST COMMENT: **IFP-Weak Blow, Built to 3"**

ISI-Dead

FFP-Dead

FSI-Dead



PRESSURE SUMMARY

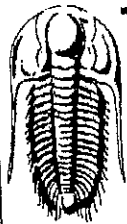
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1667.46	94.28	Initial Hydro-static
1	19.85	93.85	Open To Flow (1)
38	35.02	94.36	Shut-In(1)
76	555.04	95.54	End Shut-In(1)
77	102.58	95.36	Open To Flow (2)
184	710.93	97.28	End Shut-In(2)
185	1646.91	98.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	OCM-5%G-20%O-10%W-65%M	0.31

Gas Rates

Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Staab Oil Company

Ed Schmeidler #4

1607 Hopewell Road
Hays, Ks. 67601

27-12s-17w-Ellis

Job Ticket: 21048

DST#: 1

ATTN: Randy Killian

Test Start: 2005.04.23 @ 02:52:01

Tool Information

Drill Pipe: Length: 3165.00 ft Diameter: 3.80 inches Volume: 44.40 bbl
Heavy Wt. Pipe: Length: 0.00 ft Diameter: 2.25 inches Volume: 0.00 bbl
Drill Collar: Length: 122.00 ft Diameter: 2.25 inches Volume: 0.60 bbl
Total Volume: 45.00 bbl

Tool Weight: 2900.00 lb
Weight set on Packer: 25000.00 lb
Weight to Pull Loose: 45000.00 lb
Tool Chased 0.00 ft
String Weight: Initial 42000.00 lb
Final 42000.00 lb

Drill Pipe Above KB: 23.00 ft
Depth to Top Packer: 3285.00 ft
Depth to Bottom Packer: ft
Interval between Packers: 150.00 ft
Tool Length: 171.00 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			3265.00	
Shut In Tool	5.00			3270.00	
Hydraulic tool	5.00			3275.00	
Packer	5.00			3280.00	21.00 Bottom Of Top Packer
Packer	5.00			3285.00	
Stubb	1.00			3286.00	
Perforations	1.00			3287.00	
Recorder	0.00	6741	Inside	3287.00	
Change Over Sub	1.00			3288.00	
Blank Spacing	125.00			3413.00	
Change Over Sub	1.00			3414.00	
Perforations	18.00			3432.00	
Recorder	0.00	13221	Outside	3432.00	
Bullnose	3.00			3435.00	150.00 Bottom Packers & Anchor

Total Tool Length: 171.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Staab Oil Company

Ed Schmeidler #4

1607 Hopewell Road
Hays, Ks. 67601

27-12s-17w-Ellis

Job Ticket: 21048

DST#: 1

ATTN: Randy Killian

Test Start: 2005.04.23 @ 02:52:01

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 46.00 sec/qt

Water Loss: 7.99 in³

Resistivity: ohm.m

Salinity: 3200.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

deg API

Water Salinity:

10000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	OCM-5%G-20%O-10%W-65%M	0.310

Total Length: 63.00 ft

Total Volume: 0.310 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

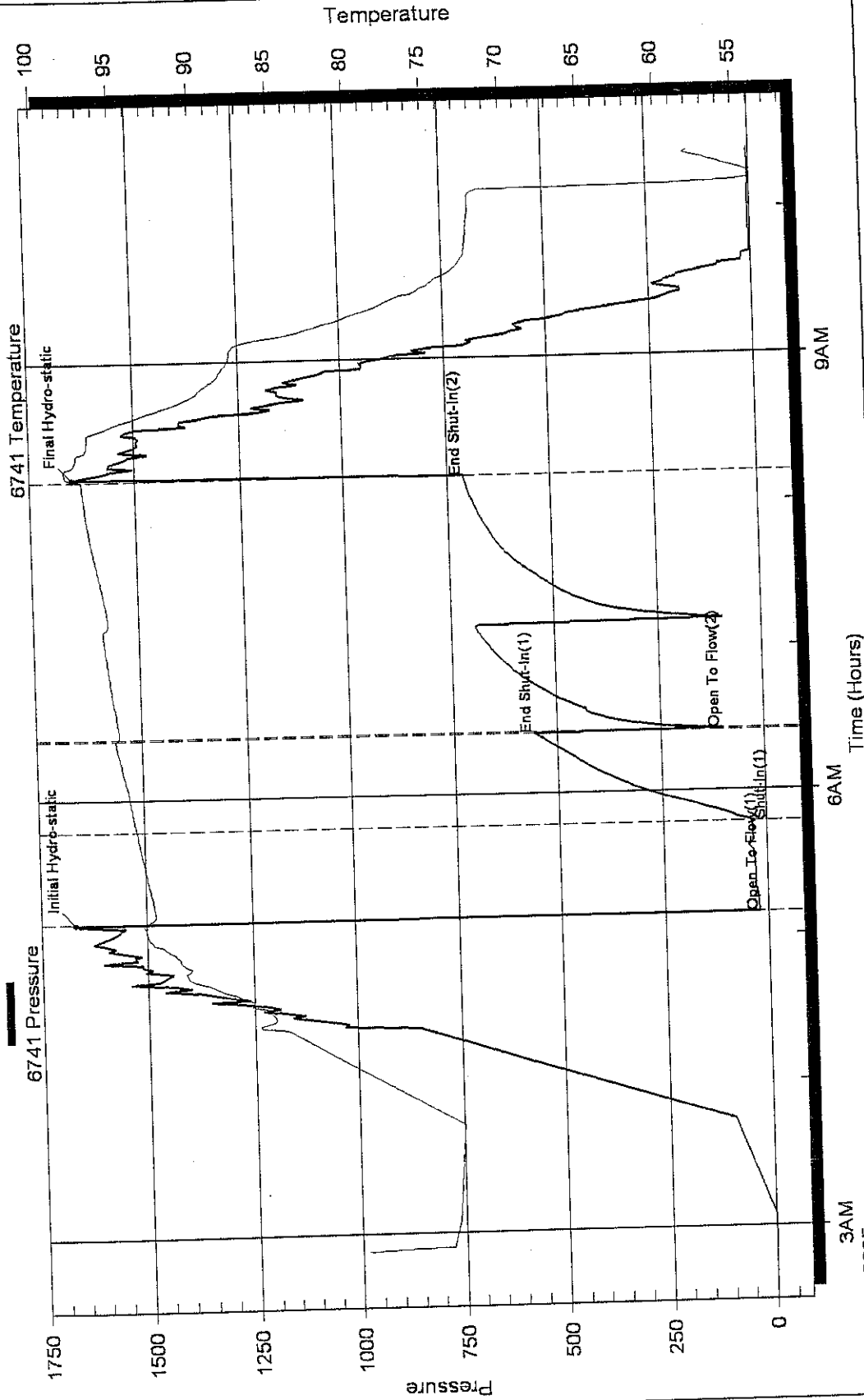
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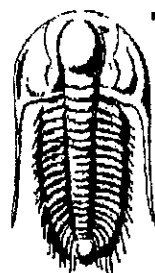
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





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DRILL STEM TEST REPORT

Prepared For: **Staab Oil Company**

1607 Hopewell Road
Hays, Ks. 67601

ATTN: Randy Killian

27-12s-17w-Ellis

Ed Schmeidler #4

Start Date: 2005.04.24 @ 01:28:25

End Date: 2005.04.24 @ 09:25:10

Job Ticket #: 21049 DST #: 2

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

Staab Oil Company

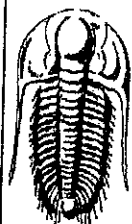
Ed Schmeidler #4

27-12s-17w-Ellis

DST # 2

Arbuckle

2005.04.24



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DRILL STEM TEST REPORT

Staab Oil Company

1607 Hopewell Road
Hays, Ks. 67601

ATTN: Randy Killian

Ed Schmeidler #4

27-12s-17w-Ellis

Job Ticket: 21049

DST#: 2

Test Start: 2005.04.24 @ 01:28:25

GENERAL INFORMATION:

Formation: Arbuckle

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:44:10

Time Test Ended: 09:25:10

Interval: 3565.00 ft (KB) To 3634.00 ft (KB) (TVD)

Total Depth: 3634.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Reference Elevations: 2076.00 ft (KB)

2071.00 ft (CF)

KB to GRVCF: 5.00 ft

Serial #: 6741

Inside

Press@RunDepth: 432.31 psig @ 3568.00 ft (KB)

Start Date: 2005.04.24

End Date:

2005.04.24

Start Time: 01:28:27

End Time:

09:25:10

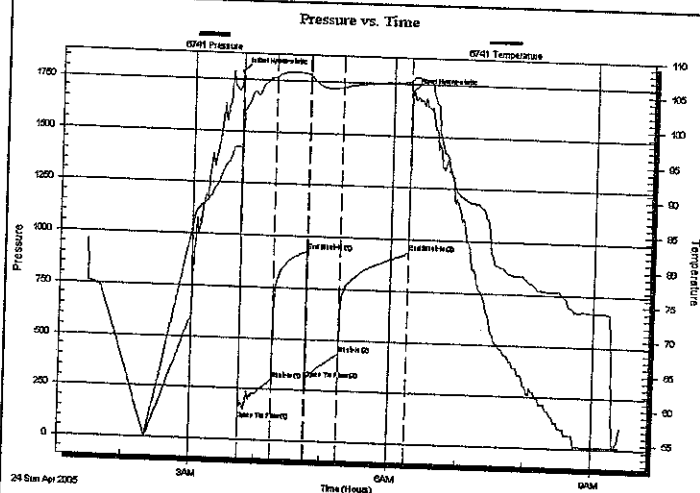
Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2005.04.24 @ 03:43:40

Time Off Btm: 2005.04.24 @ 06:16:10

TEST COMMENT: IFP-Strong Blow, BOB in 2 Mn.
ISI-Blow back Built to 1/2"
FFP-Strong Blow, BOB in 4 Mn.
FSI-Weak Surface Blow back After 25 Mn.



PRESSURE SUMMARY

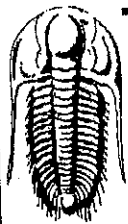
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1789.83	96.55	Initial Hydro-static
1	98.35	96.48	Open To Flow (1)
32	300.00	106.50	Shut-In(1)
62	929.58	107.17	End Shut-In(1)
62	309.61	106.96	Open To Flow (2)
92	432.31	105.24	Shut-In(2)
152	937.85	106.34	End Shut-In(2)
153	1711.07	106.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1000.00	Gassy Oil	12.92
50.00	Muddy Oil -80%O-20%M	0.70

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Staab Oil Company

Ed Schmeidler #4

1607 Hopewell Road
Hays, Ks. 67601

27-12s-17w-Ellis

Job Ticket: 21049

DST#: 2

ATTN: Randy Killian

Test Start: 2005.04.24 @ 01:28:25

Tool Information

Drill Pipe: Length: 3448.00 ft Diameter: 3.80 inches Volume: 48.37 bbl
Heavy Wt. Pipe: Length: 0.00 ft Diameter: 2.25 inches Volume: 0.00 bbl
Drill Collar: Length: 122.00 ft Diameter: 2.25 inches Volume: 0.60 bbl
Total Volume: 48.97 bbl

Drill Pipe Above KB: 26.00 ft
Depth to Top Packer: 3565.00 ft
Depth to Bottom Packer: ft
Interval between Packers: 69.00 ft
Tool Length: 90.00 ft
Number of Packers: 2 Diameter: 6.75 inches
Tool Comments:

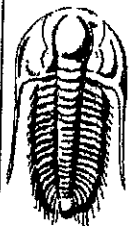
Tool Weight: 2400.00 lb
Weight set on Packer: 25000.00 lb
Weight to Pull Loose: 55000.00 lb
Tool Chased 0.00 ft
String Weight: Initial 48000.00 lb
Final 50000.00 lb

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3545.00	
Shut In Tool	5.00			3550.00	
Hydraulic tool	5.00			3555.00	
Packer	5.00			3560.00	21.00 Bottom Of Top Packer
Packer	5.00			3565.00	
Stubb	1.00			3566.00	
Perforations	2.00			3568.00	
Recorder	0.00	6741	Inside	3568.00	
Change Over Sub	1.00			3569.00	
Blank Spacing	31.00			3600.00	
Change Over Sub	1.00			3601.00	
Perforations	30.00			3631.00	
Recorder	0.00	13221	Outside	3631.00	
Bullnose	3.00			3634.00	69.00 Bottom Packers & Anchor

Total Tool Length: 90.00



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Job Ticket: 21049

DST#: 2

ATTN: Randy Killian

Test Start: 2005.04.24 @ 01:28:25

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 8.79 in³

Resistivity: ohm.m

Salinity: 5200.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

25 deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1000.00	Gassy Oil	12.916
50.00	Muddy Oil -80%O-20%M	0.701

Total Length: 1050.00 ft

Total Volume: 13.617 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

