



DRILL STEM TEST REPORT

Prepared For: **CG Oil, LLC**

P.O. Box 207
Victoria KS 67671

ATTN: CG Oil, LLC

SC30 TP13S RG16W

R&K

Start Date: 2005.02.25 @ 07:30:21

End Date: 2005.02.25 @ 11:43:26

Job Ticket #: 21079 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

CG Oil, LLC

R&K

SC30 TP13S RG16W

DST # 1

Lansing

2005.02.25



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

CG Oil, LLC

P.O. Box 207
Victoria KS 67671

ATTN: CG Oil, LLC

R&K

SC30 TP13S RG16W

Job Ticket: 21079

DST#: 1

Test Start: 2005.02.25 @ 07:30:21

GENERAL INFORMATION:

Formation: **Lansing**

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

Time Tool Opened: 09:17:11

Time Test Ended: 11:43:26

Test Type: Conventional Bottom Hole

Tester: Josh Draves

Unit No: 19

Interval: **3275.00 ft (KB) To 3295.00 ft (KB) (TVD)**

Total Depth: **3295.00 ft (KB) (TVD)**

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

Reference Elevations: **1990.00 ft (KB)**

1982.00 ft (CF)

KB to GR/CF: **8.00 ft**

Serial #: 6667

Inside

Press@RunDepth: **20.16 psig @ 3276.00 ft (KB)**

Start Date: **2005.02.25**

End Date:

2005.02.25

Capacity: **7000.00 psig**

Last Calib.: **2002.11.02**

Start Time: **07:30:21**

End Time:

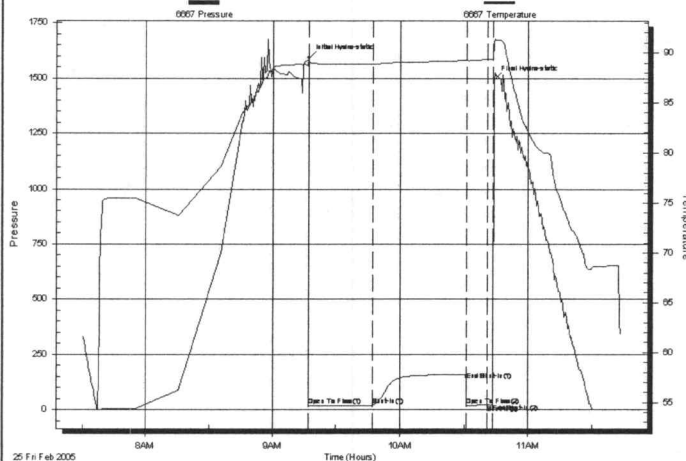
11:43:26

Time On Btm: **2005.02.25 @ 09:16:56**

Time Off Btm: **2005.02.25 @ 10:43:56**

TEST COMMENT: IF-No Blow.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1592.37	89.24	Initial Hydro-static
1	17.75	89.02	Open To Flow (1)
31	19.00	88.85	Shut-In(1)
74	132.22	89.23	End Shut-In(1)
75	19.49	89.21	Open To Flow (2)
84	20.16	89.33	Shut-In(2)
87	25.25	89.37	End Shut-In(2)
87	1493.36	91.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drilling Mud	0.05

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

CG Oil, LLC

R&K

P.O. Box 207
Victoria KS 67671

SC30 TP13S RG16W

Job Ticket: 21079

DST#: 1

ATTN: CG Oil, LLC

Test Start: 2005.02.25 @ 07:30:21

Tool Information

Drill Pipe:	Length: 3228.00 ft	Diameter: 3.80 inches	Volume: 45.28 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	35000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	42000.00 lb
			<u>Total Volume: 45.43 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3275.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	19.00 ft				
Tool Length:	39.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3260.00	
Hydraulic tool	5.00			3265.00	
Packer	5.00			3270.00	20.00 Bottom Of Top Packer
Packer	5.00			3275.00	
Stubb	1.00			3276.00	
Recorder	0.00	6667	Inside	3276.00	
Anchor	15.00			3291.00	
Recorder	0.00	11019		3291.00	
Bullnose	3.00			3294.00	19.00 Bottom Packers & Anchor
Total Tool Length:	39.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

CG Oil, LLC

R&K

P.O. Box 207
Victoria KS 67671

SC30 TP13S RG16W

Job Ticket: 21079

DST#: 1

ATTN: CG Oil, LLC

Test Start: 2005.02.25 @ 07:30:21

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: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Drilling Mud	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6667

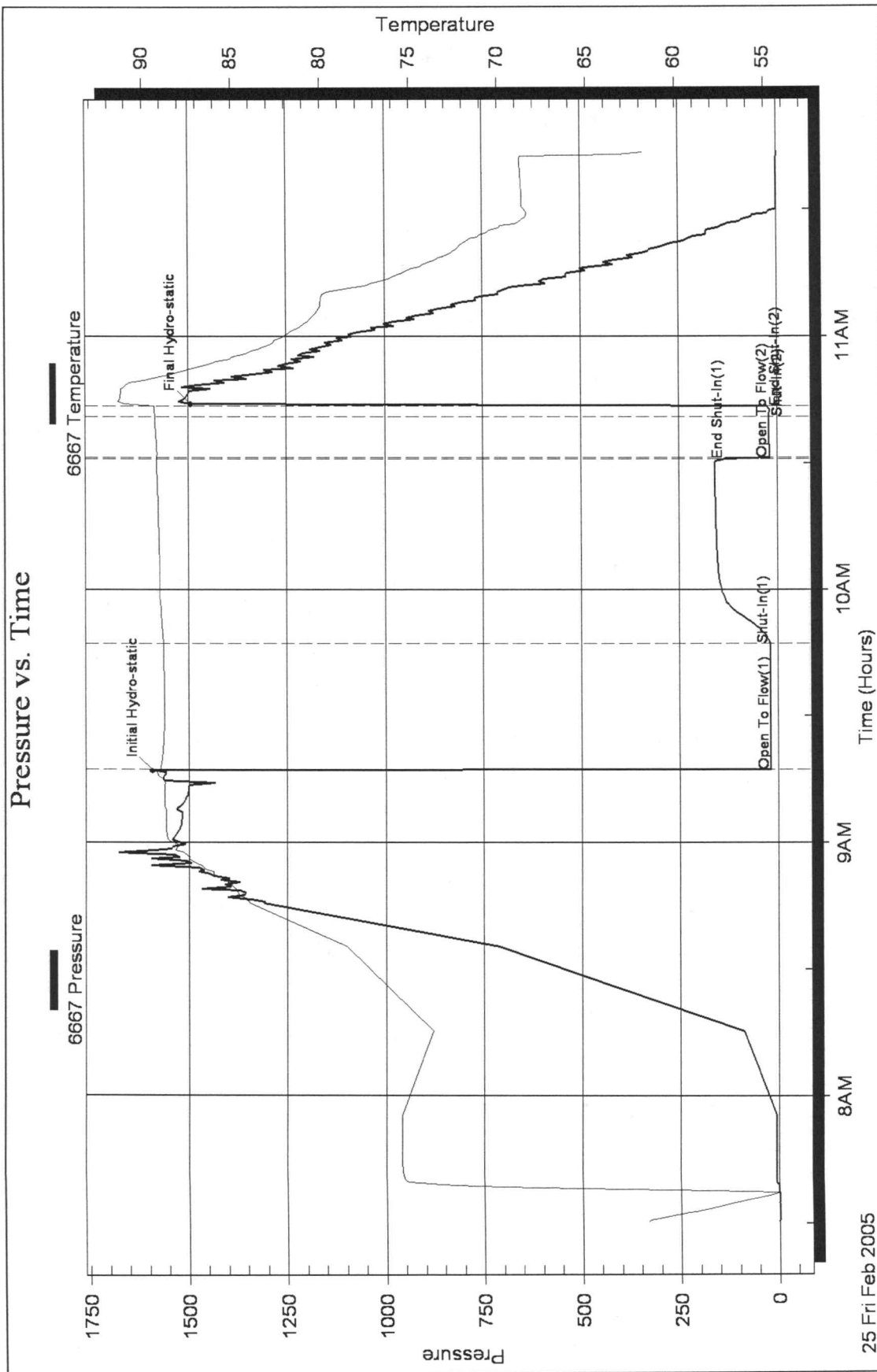
Inside

OG Oil, LLC

SC30 TP13S RG16W

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **CG Oil, LLC**

P.O. Box 207
Victoria KS 67671

ATTN: CG Oil, LLC

SC30 TP13S RG16W

R&K

Start Date: 2005.02.25 @ 14:29:25

End Date: 2005.02.25 @ 19:10:45

Job Ticket #: 21080 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

CG Oil, LLC

P.O. Box 207
Victoria KS 67671

ATTN: CG Oil, LLC

R&K

SC30 TP13S RG16W

Job Ticket: 21080

DST#: 2

Test Start: 2005.02.25 @ 14:29:25

GENERAL INFORMATION:

Formation: **Lansing**

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

Time Tool Opened: 15:45:45

Time Test Ended: 19:10:45

Test Type: **Conventional Bottom Hole**

Tester: **Josh Draves**

Unit No: **19**

Interval: **3408.00 ft (KB) To 3460.00 ft (KB) (TVD)**

Total Depth: **3460.00 ft (KB) (TVD)**

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

Reference Elevations: **1990.00 ft (KB)**

1982.00 ft (CF)

KB to GR/CF: **8.00 ft**

Serial #: 6667 **Inside**

Press@RunDepth: **30.14 psig @ 3409.00 ft (KB)**

Start Date: **2005.02.25**

End Date:

2005.02.25

Start Time: **14:29:25**

End Time:

19:10:45

Capacity: **7000.00 psig**

Last Calib.: **2002.11.02**

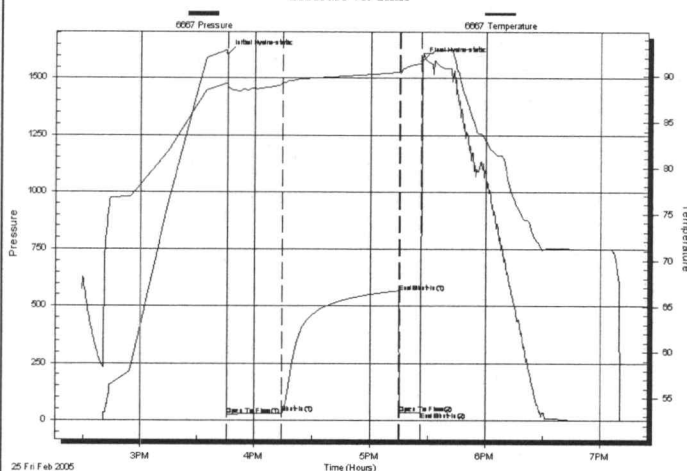
Time On Btm: **2005.02.25 @ 15:45:30**

Time Off Btm: **2005.02.25 @ 17:26:30**

TEST COMMENT: **IF- No Blow.**

FF- No Blow.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1608.90	89.10	Initial Hydro-static
1	21.82	88.87	Open To Flow (1)
29	30.14	89.23	Shut-In (1)
90	560.65	90.43	End Shut-In (1)
90	31.25	90.33	Open To Flow (2)
101	35.76	91.42	End Shut-In (2)
101	1577.14	91.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Drilling Mud	0.10

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

CG Oil, LLC

P.O. Box 207
Victoria KS 67671

ATTN: CG Oil, LLC

R&K

SC30 TP13S RG16W

Job Ticket: 21080

DST#: 2

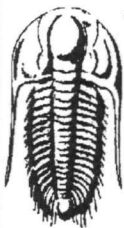
Test Start: 2005.02.25 @ 14:29:25

Tool Information

Drill Pipe:	Length: 3379.00 ft	Diameter: 3.20 inches	Volume: 33.61 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 35000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 45000.00 lb
		Total Volume:	33.76 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3408.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.00 ft			
Tool Length:	72.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3393.00	
Hydraulic tool	5.00			3398.00	
Packer	5.00			3403.00	20.00 Bottom Of Top Packer
Packer	5.00			3408.00	
Stubb	1.00			3409.00	
Recorder	0.00	6667	Inside	3409.00	
Anchor	18.00			3427.00	
Blank Spacing	30.00			3457.00	
Recorder	0.00	11019		3457.00	
Bullnose	3.00			3460.00	52.00 Bottom Packers & Anchor
Total Tool Length:	72.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

CG Oil, LLC

R&K

P.O. Box 207
Victoria KS 67671

SC30 TP13S RG16W

Job Ticket: 21080

DST#: 2

ATTN: CG Oil, LLC

Test Start: 2005.02.25 @ 14:29:25

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: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.67 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Drilling Mud	0.098

Total Length: 20.00 ft

Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 2

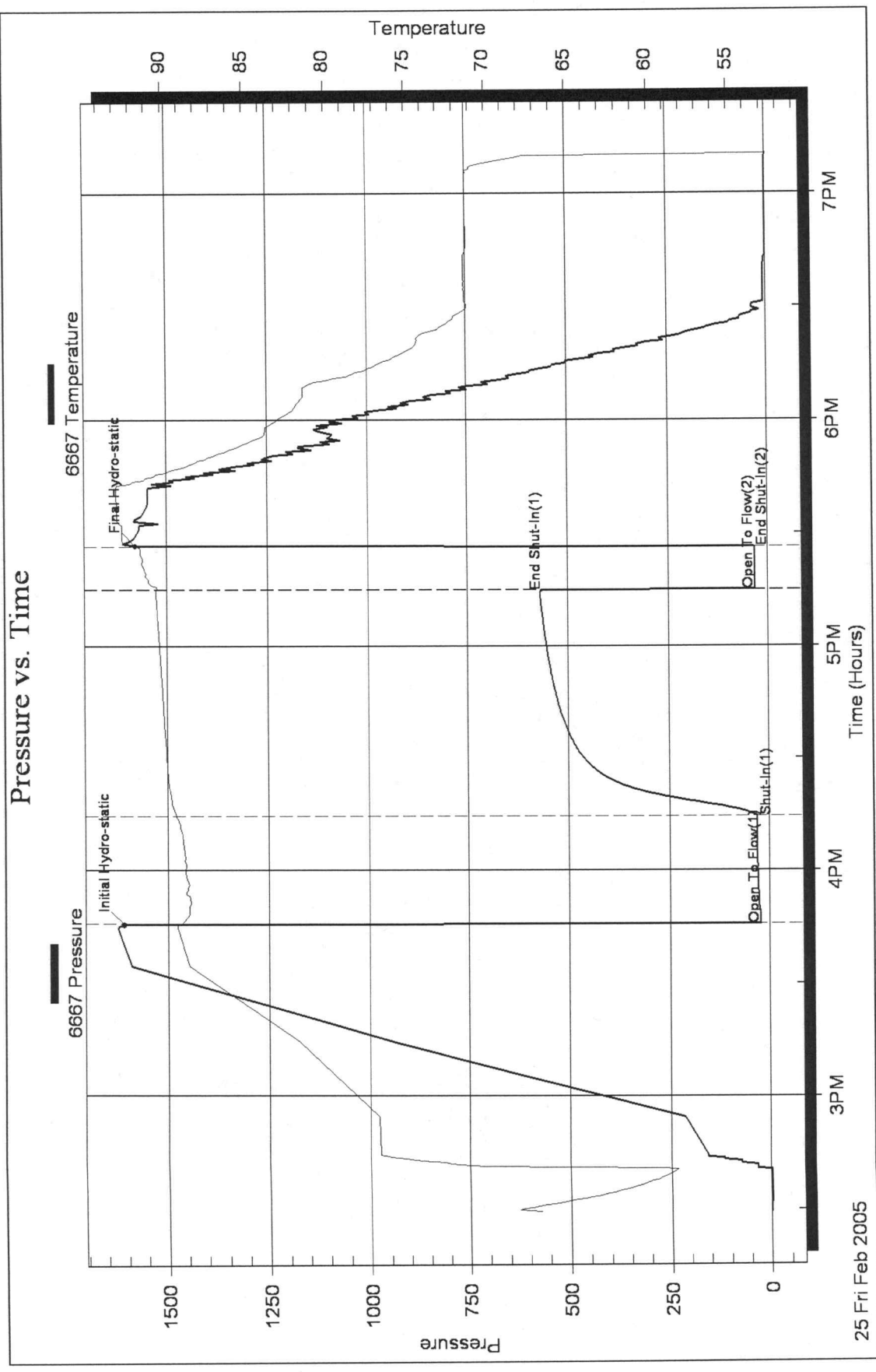
SC30 TP13S RG16W

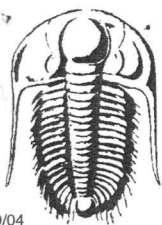
OG Oil, LLC

Serial #: 6667

Inside

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 21080

TNN
7214

Test Ticket

Well Name & No. <u>R&K</u>	Test No. <u>2</u>	Date <u>2-25-05</u>
Company <u>CG Oil, LLC</u>	Zone Tested <u>Lansing</u>	
Address <u>P.O. Box 207 Vickoria, KS 67671</u>	Elevation <u>1990</u>	KB <u>1982</u> GL
Co. Rep / Geo. _____	Cont. <u>Discovery Rig #2</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>30</u> Twp. <u>13S</u> Rge. <u>16W</u> Co. <u>Ellis</u> State <u>KS</u>		
No. of Copies _____	Disbtribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

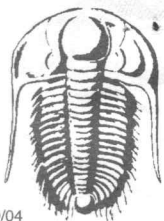
Interval Tested <u>3408 - 3460</u>	Initial Str Wt./Lbs. <u>40000</u>	Unseated Str Wt./Lbs. <u>40000</u>
Anchor Length <u>52</u>	Wt. Set Lbs. <u>35000</u>	Wt. Pulled Loose/Lbs. <u>45000</u>
Top Packer Depth <u>3403</u>	Tool Weight <u>3000</u>	
Bottom Packer Depth <u>3408</u>	Hole Size <u>7 7/8"</u>	Rubber Size <u>6 3/4"</u>
Total Depth <u>3460</u>	Wt. Pipe Run _____	Drill Collar Run <u>30</u>
Mud Wt. <u>8.8</u> LCM _____ Vis. <u>46</u> WL <u>8.8</u>	Drill Pipe Size <u>4.5 XH</u>	Ft. Run <u>3379</u>
Blow Description <u>IF-NO Blow</u> <u>FF-NO Blow</u>		

Recovery - Total Feet _____	GIP _____	Ft. in DC _____	Ft. in DP _____
Rec. <u>20</u>	Feet of <u>Drilling mud</u>	%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 _____
Rec. _____	Feet of _____	%gas _____	%oil _____ %water _____ %mud _____
BHT _____ °F Gravity _____	°API D @ _____	°F Corrected Gravity _____	°API _____
RW _____ @ _____ °F	Chlorides _____ ppm Recovery _____	Chlorides _____	ppm System _____

(A) Initial Hydrostatic Mud _____	AK-1 <u>1608</u> PSI	Alpine _____	Recorder No. <u>6667</u>	Test <u>X</u>
(B) First Initial Flow Pressure _____	<u>21</u> PSI		(depth) <u>3409</u>	Jars _____
(C) First Final Flow Pressure _____	<u>30</u> PSI		Recorder No. <u>11019</u>	Safety Jt. _____
(D) Initial Shut-In Pressure _____	<u>560</u> PSI		(depth) <u>3460</u>	Circ Sub _____
(E) Second Initial Flow Pressure _____	<u>31</u> PSI		Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure _____	<u>5</u> PSI		(depth) _____	Straddle _____
(G) Final Shut-In Pressure _____	<u>1635</u> PSI	Initial Opening <u>30</u>	Initial Shut-In <u>60</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud _____	<u>1577</u> PSI	Final Flow <u>10</u>	Final Shut-In <u>0</u>	Shale Packer _____
		T-On Location <u>22:00</u>		Ruined Packer _____
		T-Started <u>2:29</u>		Mileage <u>X 15 1 way</u>
		T-Open <u>3:45</u>		Sub Total: <u>930</u>
		T-Pulled <u>5:25</u>		Std. By _____
		T-Out <u>7:08</u>		Other _____
				Total: _____

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.

Approved By Thomas W. Hyslop
Our Representative Thanks Josh



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 21079

Test Ticket

Well Name & No. R+K Test No. 1 Date 2-25-05
Company CG Oil, LLC Zone Tested _____
Address P.O. Box 207 Victoria, Kansas 67671 Elevation 1990 KB 1982 GL _____
Co. Rep / Geo. _____ Cont. Discovery Rig 2 Est. Ft. of Pay _____ Por. _____ %
Location: Sec. 30 Twp. 13S Rge. 16W Co. Ellis State KS
No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3225-3295 Initial Str Wt./Lbs. 40000 Unseated Str Wt./Lbs. 40000
Anchor Length 20 Wt. Set Lbs. 35000 Wt. Pulled Loose/Lbs. 42000
Top Packer Depth 3270 Tool Weight 3000
Bottom Packer Depth 3275 Hole Size 7 7/8" Rubber Size 6 3/4"
Total Depth 3295 Wt. Pipe Run -0- Drill Collar Run 31
Mud Wt. 88 LCM 46 Vis. 8.8 WL _____ Drill Pipe Size 4.5 KH Ft. Run 3228
Blow Description IF-NO Blow
FF-NO Blow

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
Rec. <u>10</u>	Feet of <u>Drilling mud</u>	%gas	%oil
Rec. _____	Feet of _____	%gas	%oil
Rec. _____	Feet of _____	%gas	%oil
Rec. _____	Feet of _____	%gas	%oil
Rec. _____	Feet of _____	%gas	%oil
BHT _____	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____
RW _____	@ _____	°F	°API
Chlorides _____	ppm Recovery _____	Chlorides _____	ppm System _____

AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1592</u> PSI	<u>6667</u>	<u>X</u>
(B) First Initial Flow Pressure	<u>17</u> PSI	(depth) <u>3276</u>	Jars _____
(C) First Final Flow Pressure	<u>19</u> PSI	Recorder No. <u>11019</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>132</u> PSI	(depth) <u>3295</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>19</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>20</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>25</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1493</u> PSI	Initial Shut-In <u>0043</u>	Shale Packer _____

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Approved By Francis Whiler

Our Representative Thanks Josh

Initial Opening

Initial Shut-In 0043
Final Flow 10
Final Shut-In 0
T-On Location 6:00
T-Started 7:30
T-Open 9:17
T-Pulled 10:41
T-Out 11:43

Test X
Jars _____
Safety Jt. _____
Circ Sub _____
Sampler _____
Straddle _____
Ext. Packer _____
Shale Packer _____
Ruined Packer _____
Mileage X 15 1 way
Sub Total: _____
Std. By _____
Other X Elec. Rec
Total: _____