

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE
KCC

4/29/13

OPERATOR: License # 33386
Name: C G Oil, LLC
Address 1: 2550 Airbase Road
Address 2: P.O. Box 207
City: Victoria State: KS Zip: 67671
Contact Person: Ron Schmidtberger
Phone: (785) 735-2274
CONTRACTOR: License # 31548
Name: Discovery Drilling Co., Inc.
Wellsite Geologist: Roger Fisher
Purchaser:

APR 29 2011
CONFIDENTIAL

API No. 15 - 009-25,506-00-00
Spot Description:
W/2 NE SW Sec. 20 Twp. 16 S. R. 13 East West
1,980 Feet from North / South Line of Section
1,650 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Barton
Lease Name: MJR Well #: 1
Field Name: Trapp
Producing Formation: Arbuckle
Elevation: Ground: 1948 Kelly Bushing: 1956
Total Depth: 3500 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 907 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ sx cmt.

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil WSW SWD SIOW
 Gas D&A ENHR SIGW
 OG GSW Temp. Abd.
 CM (Coal Bed Methane)
 Cathodic Other (Core, Expl., etc.):

If Workover/Re-entry: Old Well Info as follows:
Operator:
Well Name:
Original Comp. Date: Original Total Depth:
 Deepening Re-perf. Conv. to ENHR Conv. to SWD
 Conv. to GSW
 Plug Back: Plug Back Total Depth
 Commingled Permit #:
 Dual Completion Permit #:
 SWD Permit #:
 ENHR Permit #:
 GSW Permit #:
1/13/2011 1/19/2011 1/20/2011
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 16,000 ppm Fluid volume: 320 bbls
Dewatering method used: Hauled Free Fluids
Location of fluid disposal if hauled offsite:
Operator Name: Francis Weigel Family Partnership, LLC
Lease Name: Murmis "B"(SWD) License #: 33996
Quarter SE/4 Sec. 8 Twp. 13 S. R. 15W East West
County: Russell Permit #: D-22,305

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

AFFIDAVIT
I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.
Signature: Ronald L. Schmidtberger
Title: operator Date: 4-22-2011

KCC Office Use ONLY
 Letter of Confidentiality Received
Date: 4/29/11 - 4/29/13 RECEIVED
 Confidential Release Date: APR 29 2011
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: KCC WICHITA Date: 5/1/11

Operator Name: C G Oil, LLC Lease Name: MJR Well #: 1
 Sec. 20 Twp. 16 S. R. 13 East West County: Barton

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

List All E. Logs Run: Micro-Log Dual Induct-Log
Bond Log

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface Pipe	12 1/4	8 5/8	23	907	60/40 Poz	300	2%Gel&3%CC
Production String	7 7/8	5 1/2	15.5	3498	Common	130	10%Salt

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method: Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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**Discovery
Drilling**

P.O. Box 763 • Hays, KS 67601 • OFFICE (785) 623-2920 • CELLULAR (785) 635-1511

KCC
APR 29 2011
CONFIDENTIAL

DRILLER'S LOG

Operator: C G Oil, LLC Lic# 33386 Contractor: Discovery Drilling Co., Inc. LIC#31548
2550 Airbase Road PO Box 763
Victoria, KS 67671 Hays, KS 67601

Lease: MJR # 1 Location: W/2/NE/SW
Sec. 20/16S/13W
Barton Co., KS

Loggers Total Depth: 3500' APH#15- 009-25,506-00-00
 Rotary Total Depth: 3500' Elevation: 1948 GL / 1956 KB
 Commenced: 1/13/2011 Completed: 1/20/2011
 Casing: 8 5/8" @ 907'W/300sks Status: Oilwell
5 1/2" @ 3498'W/130sks

DEPTHS & FORMATIONS
(All from KB)

Surface, Sand & Shale	<u>0'</u>	Shale	<u>927'</u>
Dakota Sand	<u>194'</u>	Shale & Lime	<u>1609'</u>
Shale	<u>301'</u>	Shale	<u>1860'</u>
Cedar Hill Sand	<u>338'</u>	Shale & Lime	<u>2217'</u>
Red Bed Shale	<u>459'</u>	Lime & Shale	<u>3072'</u>
Anhydrite	<u>895'</u>	RTD	<u>3500'</u>
Base Anhydrite	<u>927'</u>		

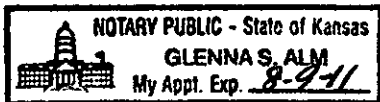
STATE OF KANSAS)
) ss
 COUNTY OF ELLIS)

Thomas H. Alm of Discovery Drilling states that to the best of his knowledge the above and foregoing is a true and correct log of the above captioned well.

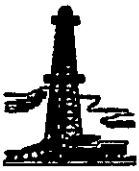
Thomas H. Alm

Subscribed and sworn to before me on 1-24-11
 My Commission expires: 8-9-11
 (Place stamp or seal below)

Notary Public



RECEIVED
 APR 29 2011
 KCC WICHITA



**Discovery
Drilling**

P.O. Box 763 • Hays, KS 67601 • OFFICE (785) 623-2920 • CELLULAR (785) 635-1511

KCC
APR 29 2011
CONFIDENTIAL

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Barton Co., KS

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) ss
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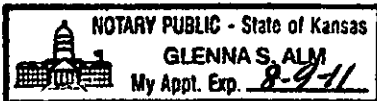
Thomas H. Alm

Subscribed and sworn to before me on 1-24-11

My Commission expires: 8-9-11

(Place stamp or seal below)

Notary Public



RECEIVED
 APR 29 2011
 KCC WICHITA

QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

KCC
APR 29 2011

No. 4715

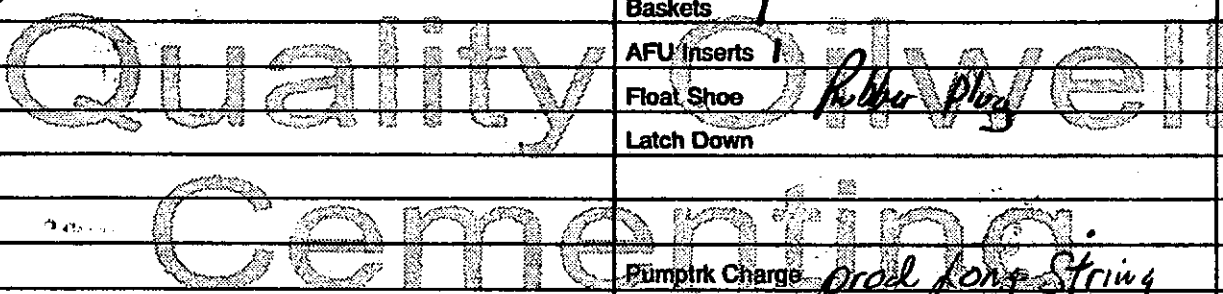
Date	1-20-11	Sec.	20	Twp.	16	Range	13	County	Barton	State	CONFIDENTIAL	Location		Finish	8.45 p.m.
Lease	MJR	Well No.	1			Location					Susank in W Bato				

Contractor	Discovery #2	Owner	To Quality Oilwell Cementing, Inc.
Type Job	Production String	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Hole Size	7 7/8	T.D.	3500
Csg.	5 1/2 15-50	Depth	3504
Tbg. Size		Depth	
Tool		Depth	
Cement Left in Csg.	43.08	Shoe Joint	43.08
Meas Line		Displace	88.483 C
		Charge To	CG 0.1
		Street	
		City	
		State	
The above was done to satisfaction and supervision of owner agent or contractor.		Cement Amount Ordered	180 ton 10% salt 26661

EQUIPMENT			
Pumptrk	1	No. Cementer	1
		Helper	1
Bulktrk		No. Driver	1
		Driver	1
Bulktrk	3	No. Driver	3
		Driver	3
JOB SERVICES & REMARKS			
Remarks:		500 gal Muck 48	
Rat Hole	30SK	Common	180
Mouse Hole	15SK	Poz. Mix	
Centralizers		Gel.	3
Baskets		Calcium	
D/V or Port Collar		Hulls	
		Salt	16
		Flowseal	
		Kol-Seal	
		Mud CLR 48	500 gal
		CFL-117 or CD110 CAF 38	
		Sand	
		Handling	199
		Mileage	

5 1/2 size @ 3504 Insure 3461
 Pump seal machines Plug Reel
 May Seals Cement 5 1/2 in 132SK
 Displace Plug Plug Land etc. 1000
 Release pressure Day
 Float Valve

FLOAT EQUIPMENT	
Guide Shoe	1 5/8
Centralizer	turbo's 4
Baskets	1
AFU Inserts	1
Float Shoe	Rubber Plug
Latch Down	



Pumptrk Charge prod long String
 Mileage 20
 Signature: *Kerry W. Richter*

Tax	
Discount	
Total Charge	

RECEIVED
 APR 29 2011
 KCC WICHITA

QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

KCC

No. 5086

APR 29 2011

Date	1-14-11	Sec.	20	Twp.	16	Range	13	County	Barton	State	Ks	CONFIDENTIAL	Location	Susank, Ks - 1W, 3/4N, E/S	Finish	9'15"
Lease	MJR	Well No.	#1	Location Susank, Ks - 1W, 3/4N, E/S												
Contractor	Discovery #2							Owner								
Type Job	Surface							To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Hole Size	12 1/4"		T.D.		907'		Charge To CG Oil									
Csg.	8 5/8"		Depth		907'		Street									
Tbg. Size			Depth				City									
Tool			Depth				State									
Cement Left in Csg.	42.25		Shoe Joint		42.25		The above was done to satisfaction and supervision of owner agent or contractor.									
Meas Line			Displace		55 BLS		Cement Amount Ordered 350 350									

EQUIPMENT

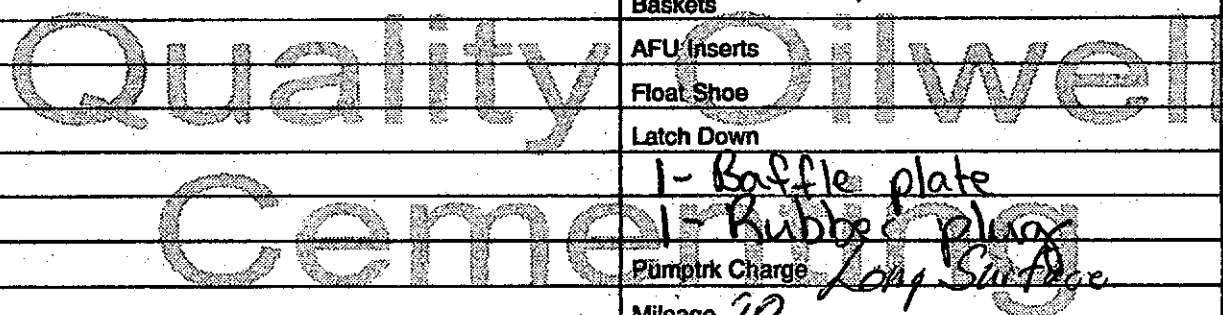
Pumptrk	1	No.	Cementer	Deale	Common	210
			Helper			
Bulktrk	12	No.	Driver	Brian F.	Poz. Mix	140
			Driver			
Bulktrk	P.U.	No.	Driver	Rick	Gel.	7
			Driver			

JOB SERVICES & REMARKS

Remarks:	Cement did Circulate	Calcium	13
Rat Hole		Hulls	
Mouse Hole		Salt	
Centralizers		Flowseal	
Baskets		Kol-Seal	
D/V or Port Collar		Mud CLR 48	
		CFL-117 or CD110 CAF 38	
		Sand	
		Handling	370
		Mileage	

FLOAT EQUIPMENT

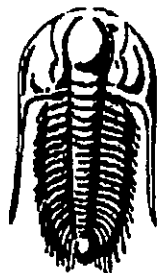
Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
	1- Baffle plate
	1- Rubber plug
Pumptrk Charge	Long Surface
Mileage	20



X Signature *Jerry Wick*

Tax	
Discount	
Total Charge	

RECEIVED
APR 29 2011
KCC WICHITA



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **CG Oil**

2550 Airbase Rd.
Victoria, Ks 67671

ATTN: Roger Fisher

20 16S 13W Barton KS

MJR #1

Start Date: 2011.01.17 @ 08:25:36

End Date: 2011.01.17 @ 15:39:06

Job Ticket #: 41826 DST #: 1

**KCC
APR 29 2011
CONFIDENTIAL**

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

**RECEIVED
APR 29 2011
KCC WICHITA**

CG Oil

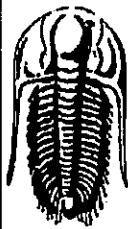
MJR #1

20 16S 13W Barton KS

DST # 1

LKC "C"

2011.01.17



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

CG Oil
2550 Airbase Rd.
Victoria, Ks 67671
ATTN: Roger Fisher

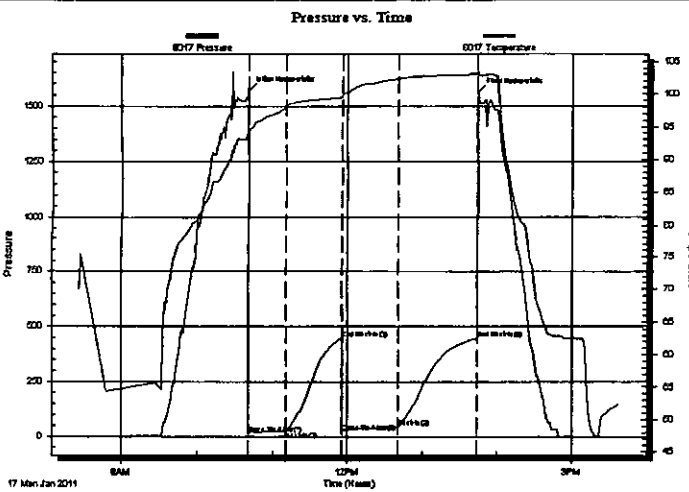
MJR #1
20 16S 13W Barton KS
Job Ticket: 41826 DST#: 1
Test Start: 2011.01.17 @ 08:25:36

GENERAL INFORMATION:

Formation: LKC "C"
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:40:16
 Time Test Ended: 15:39:06
 Interval: 3169.00 ft (KB) To 3195.00 ft (KB) (TVD)
 Total Depth: 3195.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole
 Tester: Dustin Rash
 Unit No: 31
 Reference Elevations: 1958.00 ft (KB)
 1950.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8017 Inside
 Press@RunDepth: 41.81 psig @ 3170.00 ft (KB)
 Start Date: 2011.01.17 End Date: 2011.01.17
 Start Time: 08:25:41 End Time: 15:39:05
 Capacity: 8000.00 psig
 Last Calib.: 2011.01.17
 Time On Btm: 2011.01.17 @ 10:40:06
 Time Off Btm: 2011.01.17 @ 13:44:45

TEST COMMENT: IF-Fair building blow . BOB in 11 minutes 30 seconds.
 IS-Steady weak surface return @ 2 minutes.
 FF-Strong building blow . BOB in 2 minutes.
 FSI-No Return.



PRESSURE SUMMARY

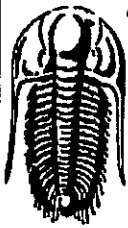
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1573.12	94.03	Initial Hydro-static
1	13.01	93.16	Open To Flow (1)
31	27.23	97.92	Shut-In(1)
75	447.85	99.51	End Shut-In(1)
76	22.52	99.95	Open To Flow (2)
121	41.81	102.34	Shut-In(2)
184	444.85	103.02	End Shut-In(2)
185	1562.63	103.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	90%Mud/10%Oil	0.15
30.00	50%Oil/40%Gas/5%Water/5%Mud	0.41
30.00	60%Oil/25%Mud/10%Gas/5%Water	0.42
0.00	527' G.I.P.	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

CG Oil

MJR #1

2550 Airbase Rd.
Victoria, Ks 67671

20 16S 13W Barton KS

Job Ticket: 41826

DST#: 1

ATTN: Roger Fisher

Test Start: 2011.01.17 @ 08:25:36

Tool Information

Drill Pipe:	Length: 3143.00 ft	Diameter: 3.80 inches	Volume: 44.09 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 14000.00 lb
			<u>Total Volume: 44.24 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3169.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	46.00 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			3154.00	
Hydraulic tool	5.00			3159.00	
Packer	5.00			3164.00	20.00 Bottom Of Top Packer
Packer	5.00			3169.00	
Stubb	1.00			3170.00	
Recorder	0.00	8017	Inside	3170.00	
Recorder	0.00	8352	Outside	3170.00	
Perforations	22.00			3192.00	
Bullnose	3.00			3195.00	26.00 Bottom Packers & Anchor
Total Tool Length:	46.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

CG Oil

MJR #1

2550 Airbase Rd.
Victoria, Ks 67671

20 16S 13W Barton KS

Job Ticket: 41826

DST#: 1

ATTN: Roger Fisher

Test Start: 2011.01.17 @ 08:25:36

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: 57.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	90%Mud/10%Oil	0.148
30.00	50%Oil/40%Gas/5%Water/5%Mud	0.412
30.00	60%Oil/25%Mud/10%Gas/5%Water	0.421
0.00	527' G.I.P.	0.000

Total Length: 90.00 ft

Total Volume: 0.981 bbl

Num Fluid Samples: 0

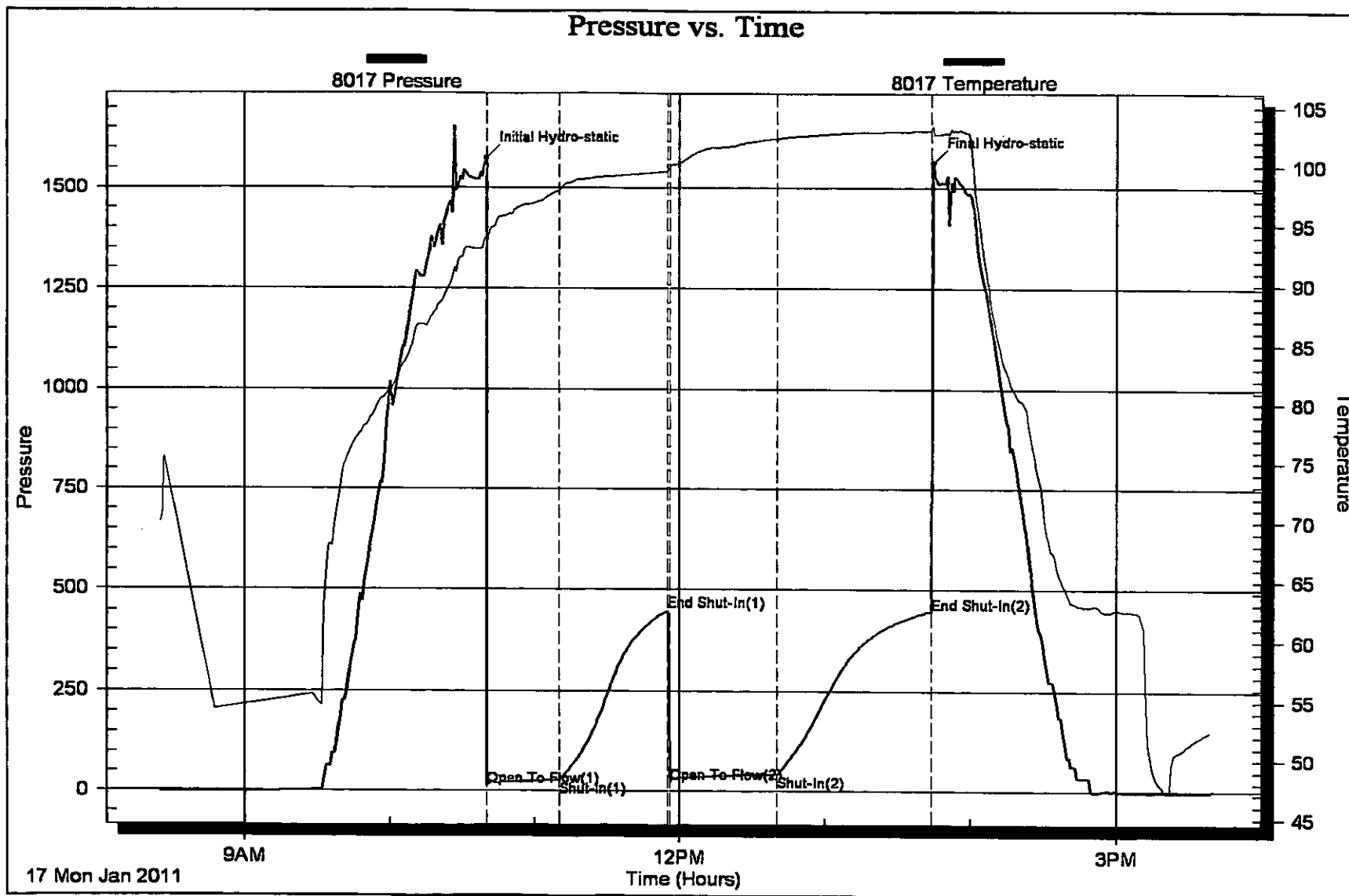
Num Gas Bombs: 0

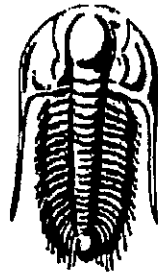
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **CG Oil**

2550 Airbase Rd.
Victoria, Ks 67671

ATTN: Roger Fisher

20 16S 13W Barton KS

MJR #1

Start Date: 2011.01.17 @ 22:40:27

End Date: 2011.01.18 @ 04:47:27

Job Ticket #: 41827 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

CG Oil
 2550 Airbase Rd.
 Victoria, Ks 67671
 ATTN: Roger Fisher

MJR #1
 20 16S 13W Barton KS
 Job Ticket: 41827 DST#: 2
 Test Start: 2011.01.17 @ 22:40:27

GENERAL INFORMATION:

Formation: **LKC "D&E"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:47:27
 Time Test Ended: 04:47:27
 Interval: **3199.00 ft (KB) To 3220.00 ft (KB) (TVD)**
 Total Depth: **3220.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Poor**
 Test Type: **Conventional Bottom Hole**
 Tester: **Dustin Rash**
 Unit No: **31**
 Reference Elevations: **1958.00 ft (KB)**
1950.00 ft (CF)
 KB to GR/CF: **8.00 ft**

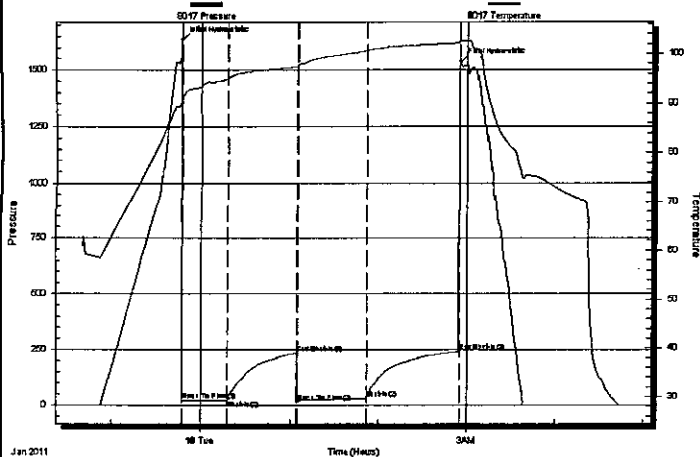
Serial #: 8017

Inside

Press@RunDepth: 29.61 psig @ 3200.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.01.17 End Date: 2011.01.18 Last Calib.: 2011.01.18
 Start Time: 22:40:32 End Time: 04:47:26 Time On Btm: 2011.01.17 @ 23:47:17
 Time Off Btm: 2011.01.18 @ 02:55:07

TEST COMMENT: IF-Fair building blow . BOB in 12 minutes.
 IS-No Return.
 FF-Strong building blow . BOB in 15 seconds.
 FS-No Return.

Pressure vs. Time



PRESSURE SUMMARY

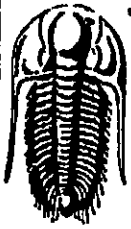
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1632.77	90.54	Initial Hydro-static
1	18.78	89.77	Open To Flow (1)
31	21.40	95.04	Shut-In(1)
77	233.25	97.31	End Shut-In(1)
78	13.23	97.63	Open To Flow (2)
124	29.61	100.59	Shut-In(2)
188	240.30	102.09	End Shut-In(2)
188	1535.82	102.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	90%Mud/10%Oil	0.15
30.00	70%Oil/20%Gas/5%Water/5%Mud	0.41
0.00	496' G.I.P.	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

CG Oil
2550 Airbase Rd.
Victoria, Ks 67671

MJR #1
20 16S 13W Barton KS
Job Ticket: 41827 DST#: 2
Test Start: 2011.01.17 @ 22:40:27

ATTN: Roger Fisher

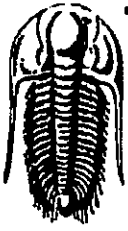
Tool Information

Drill Pipe:	Length: 3173.00 ft	Diameter: 3.80 inches	Volume: 44.51 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 5000.00 lb
		Total Volume:	44.66 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: initial 46000.00 lb
Depth to Top Packer:	3199.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	41.00 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			3184.00	
Hydraulic tool	5.00			3189.00	
Packer	5.00			3194.00	20.00 Bottom Of Top Packer
Packer	5.00			3199.00	
Stubb	1.00			3200.00	
Recorder	0.00	8017	Inside	3200.00	
Recorder	0.00	8352	Outside	3200.00	
Perforations	17.00			3217.00	
Bullnose	3.00			3220.00	21.00 Bottom Packers & Anchor
Total Tool Length:	41.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

CG Oil MJR #1
 2550 Airbase Rd. 20 16S 13W Barton KS
 Victoria, Ks 67671 Job Ticket: 41827 DST#: 2
 ATTN: Roger Fisher Test Start: 2011.01.17 @ 22:40:27

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: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2600.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

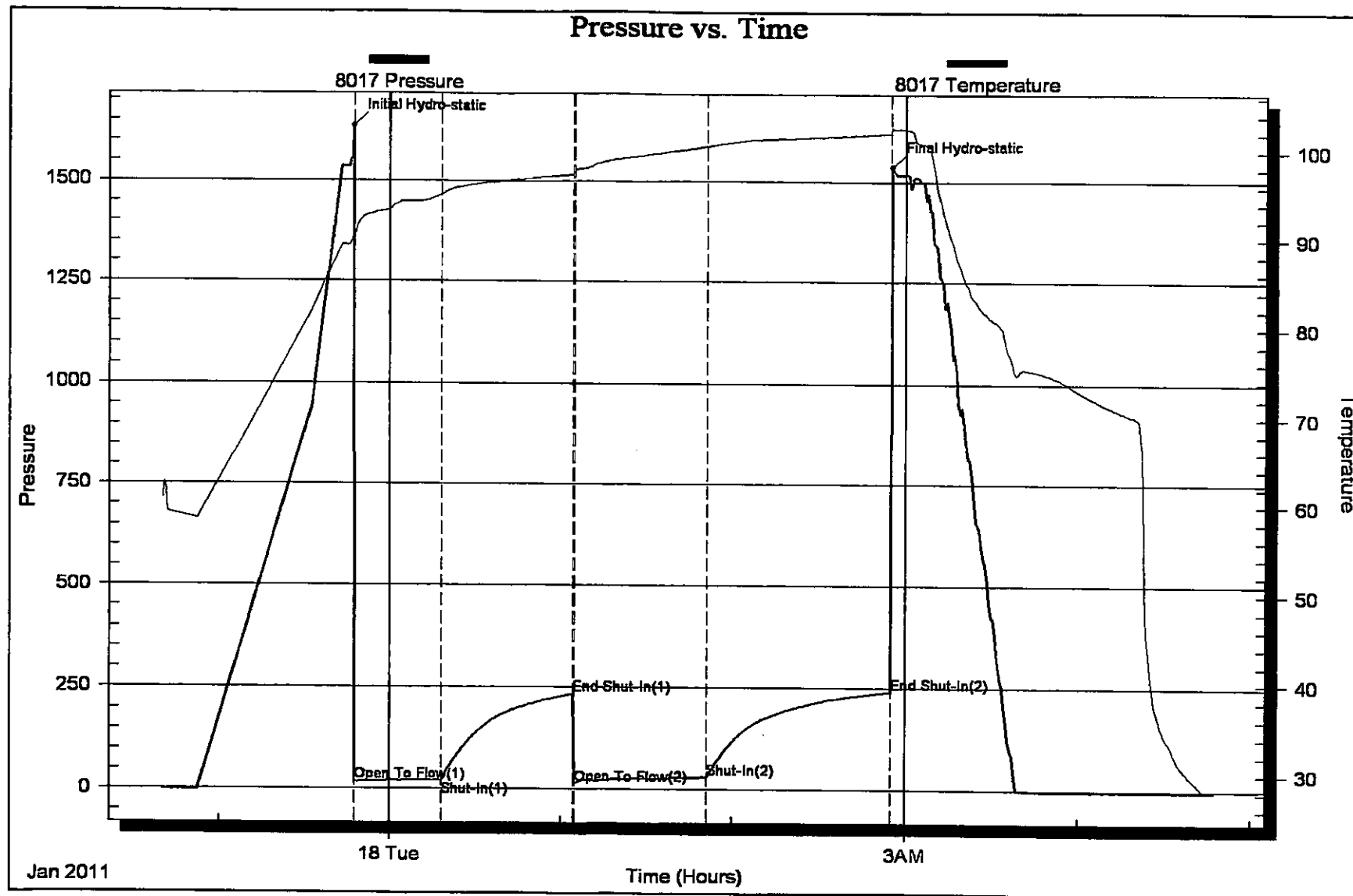
Length ft	Description	Volume bbl
30.00	90%Mud/10%Oil	0.148
30.00	70%Oil/20%Gas/5%Water/5%Mud	0.412
0.00	496' G.I.P.	0.000

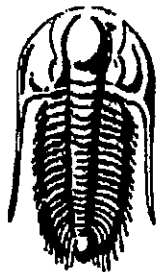
Total Length: 60.00 ft Total Volume: 0.560 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **CG Oil**

2550 Airbase Rd.
Victoria, Ks 67671

ATTN: Roger Fisher

20 16S 13W Barton KS

MJR #1

Start Date: 2011.01.18 @ 10:13:01

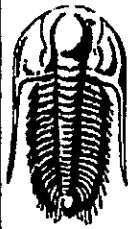
End Date: 2011.01.18 @ 16:30:01

Job Ticket #: 41828 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

CG Oil
2550 Airbase Rd.
Victoria, Ks 67671
ATTN: Roger Fisher

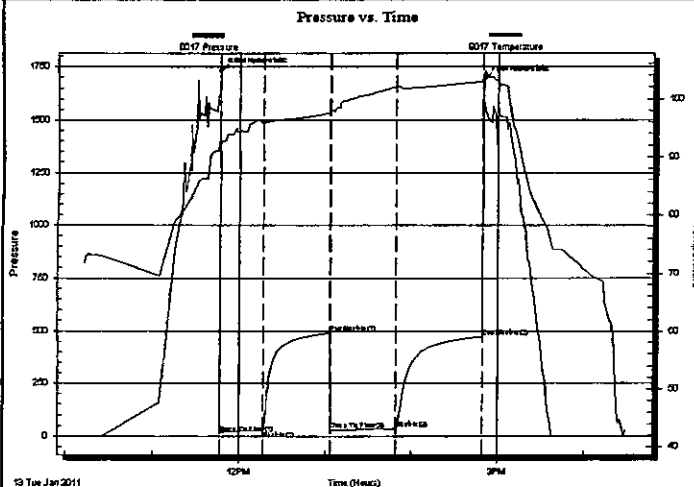
MJR #1
20 16S 13W Barton KS
Job Ticket: 41828 DST#: 3
Test Start: 2011.01.18 @ 10:13:01

GENERAL INFORMATION:

Formation: LKC "F"
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:46:51
Time Test Ended: 16:30:01
Interval: 3229.00 ft (KB) To 3238.00 ft (KB) (TVD)
Total Depth: 3238.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole
Tester: Dustin Rash
Unit No: 31
Reference Elevations: 1958.00 ft (KB)
1950.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8017 Inside
Press@RunDepth: 37.00 psig @ 3230.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.01.18 End Date: 2011.01.18 Last Calib.: 2011.01.18
Start Time: 10:13:06 End Time: 16:30:00 Time On Btm: 2011.01.18 @ 11:46:41
Time Off Btm: 2011.01.18 @ 14:50:01

TEST COMMENT: IF-Weak building blow . Built to 2 inches.
IS-Very weak surface return @ 32 minutes. Died in 2 minutes.
FF-Weak building blow . Built to 2&1/4 inches.
FSI-No Return.



PRESSURE SUMMARY

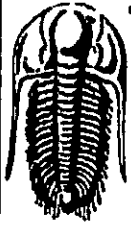
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1729.40	92.79	Initial Hydro-static
1	15.32	92.08	Open To Flow (1)
31	27.95	95.90	Shut-In(1)
77	488.17	97.59	End Shut-In(1)
77	30.52	97.35	Open To Flow (2)
123	37.00	102.06	Shut-In(2)
183	472.98	102.95	End Shut-In(2)
184	1686.61	103.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	70%Water/30%Mud	0.56

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

OG Oil
2550 Airbase Rd.
Victoria, Ks 67671

MJR #1
20 16S 13W Barton KS
Job Ticket: 41828 DST#: 3
Test Start: 2011.01.18 @ 10:13:01

ATTN: Roger Fisher

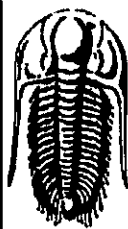
Tool Information

Drill Pipe:	Length: 3206.00 ft	Diameter: 3.80 inches	Volume: 44.97 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 14000.00 lb
		Total Volume:	45.12 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3229.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	9.00 ft			
Tool Length:	29.00 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			3214.00	
Hydraulic tool	5.00			3219.00	
Packer	5.00			3224.00	20.00 Bottom Of Top Packer
Packer	5.00			3229.00	
Stubb	1.00			3230.00	
Recorder	0.00	8017	Inside	3230.00	
Recorder	0.00	8352	Outside	3230.00	
Perforations	5.00			3235.00	
Bullnose	3.00			3238.00	9.00 Bottom Packers & Anchor
Total Tool Length:	29.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

CG Oil

MJR #1

2550 Airbase Rd.
Victoria, Ks 67671

20 16S 13W Barton KS

Job Ticket: 41828

DST#: 3

ATTN: Roger Fisher

Test Start: 2011.01.18 @ 10:13:01

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:

39000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbt

Water Loss: 7.79 in³

Gas Cushion Type:

Resistivity: 0.35 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbt
60.00	70%Water/30%Mud	0.559

Total Length: 60.00 ft Total Volume: 0.559 bbt

Num Fluid Samples: 0

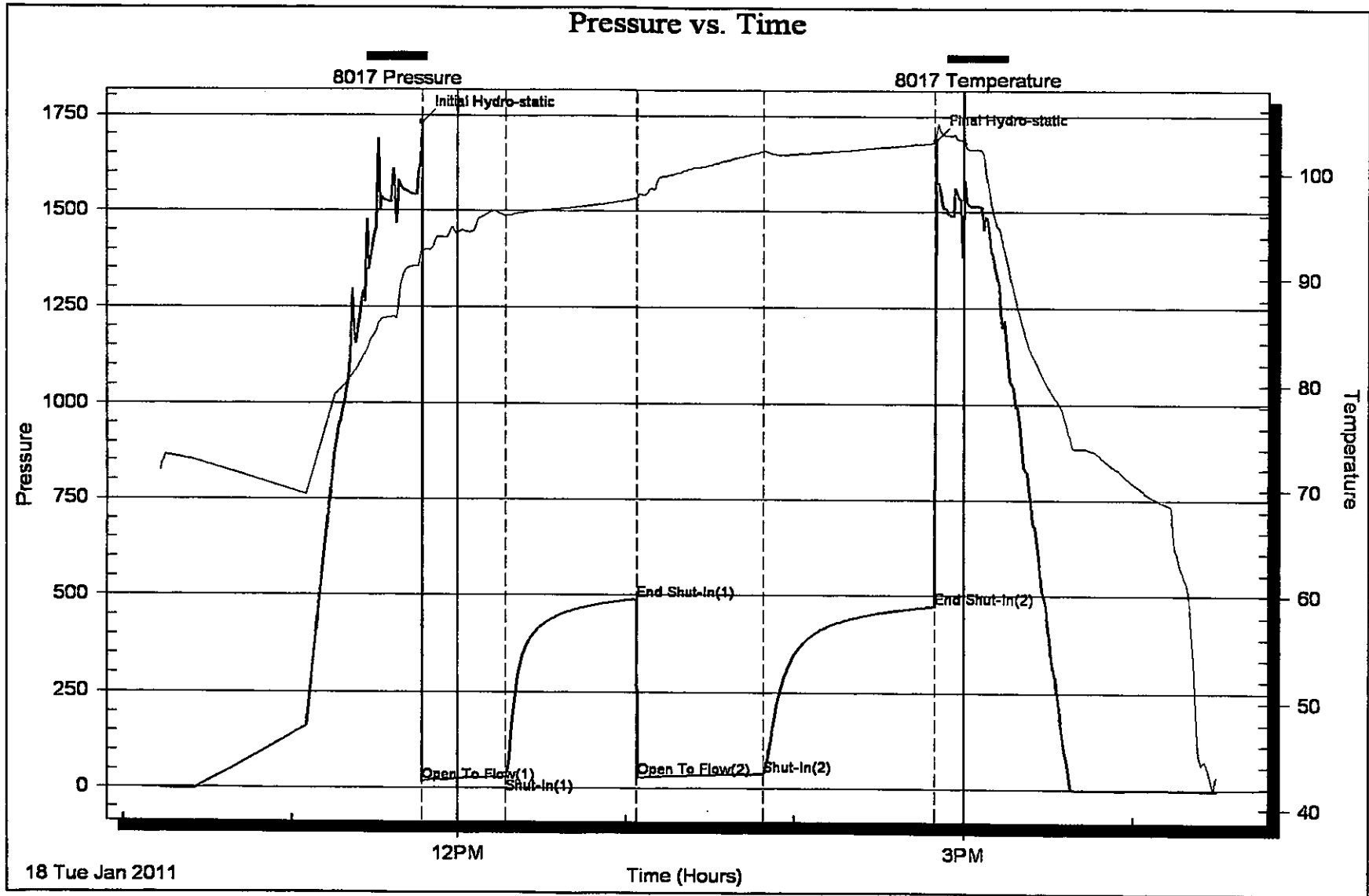
Num Gas Bombs: 0

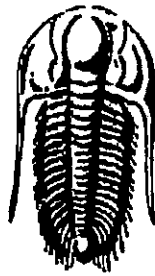
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .35 @ 37F = 39000 chlorides





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **CG Oil**

2550 Airbase Rd.
Victoria, Ks 67671

ATTN: Roger Fisher

20 16S 13W Barton KS

MJR #1

Start Date: 2011.01.19 @ 08:46:39

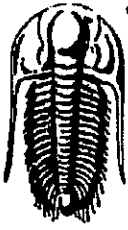
End Date: 2011.01.19 @ 17:52:58

Job Ticket #: 41829 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

CG Oil
2550 Airbase Rd.
Victoria, Ks 67671
ATTN: Roger Fisher

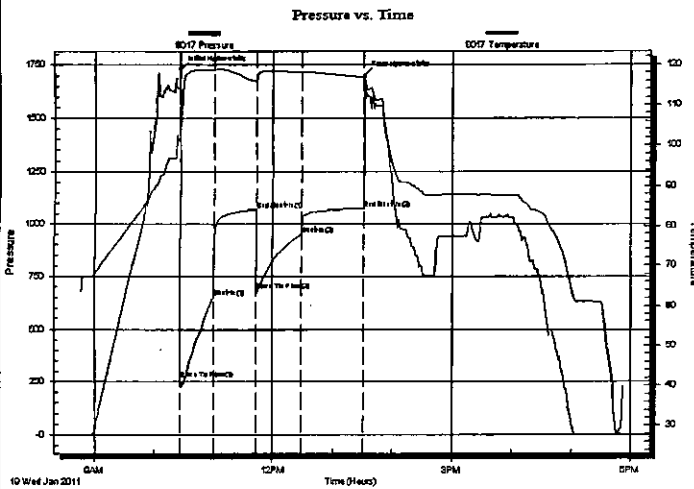
MJR #1
20 16S 13W Barton KS
Job Ticket: 41829 DST#: 4
Test Start: 2011.01.19 @ 08:46:39

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:26:09
Time Test Ended: 17:52:58
Interval: **3380.00 ft (KB) To 3390.00 ft (KB) (TVD)**
Total Depth: **3390.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Poor**
Test Type: **Conventional Bottom Hole**
Tester: **Dustin Rash**
Unit No: **31**
Reference Elevations: **1958.00 ft (KB)**
1950.00 ft (CF)
KB to GR/CF: **8.00 ft**

Serial #: 8017 Inside
Press@RunDepth: **953.08 psig @ 3381.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2011.01.19** End Date: **2011.01.19** Last Calib.: **2011.01.19**
Start Time: **08:46:44** End Time: **17:52:59** Time On Btm: **2011.01.19 @ 10:25:49**
Time Off Btm: **2011.01.19 @ 13:32:18**

TEST COMMENT: IF-Strong building blow . BOB in 30 seconds.
ISI-Return in 30 seconds. Built to 1&1/4 inches. Died @ 27 minutes.
FF-Strong building blow . BOB in 30 seconds.
FSI-No Return.



PRESSURE SUMMARY

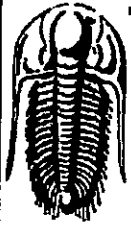
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1730.04	102.35	Initial Hydro-static
1	266.63	103.14	Open To Flow (1)
34	652.79	118.47	Shut-In(1)
77	1069.55	115.77	End Shut-In(1)
78	681.78	115.51	Open To Flow (2)
123	953.08	118.12	Shut-In(2)
186	1074.23	116.87	End Shut-In(2)
187	1700.33	116.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	50%Water/50%Mud	0.59
62.00	70%Water/30%Mud	0.87
2294.00	60%Oil/40%Gas	32.18
0.00	124' G.I.P.	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

CG Oil
2550 Airbase Rd.
Victoria, Ks 67671

MJR #1
20 16S 13W Barton KS
Job Ticket: 41829 DST#: 4
Test Start: 2011.01.19 @ 08:46:39

ATTN: Roger Fisher

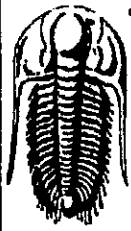
Tool Information

Drill Pipe:	Length: 3361.00 ft	Diameter: 3.80 inches	Volume: 47.15 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 14000.00 lb
			Total Volume: 47.30 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3380.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	30.00 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			3365.00	
Hydraulic tool	5.00			3370.00	
Packer	5.00			3375.00	20.00 Bottom Of Top Packer
Packer	5.00			3380.00	
Stubb	1.00			3381.00	
Recorder	0.00	8017	Inside	3381.00	
Recorder	0.00	8352	Outside	3381.00	
Perforations	6.00			3387.00	
Bullnose	3.00			3390.00	10.00 Bottom Packers & Anchor
Total Tool Length:	30.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

CG Oil

MJR #1

2550 Airbase Rd.
Victoria, Ks 67671

20 16S 13W Barton KS

Job Ticket: 41829

DST#: 4

ATTN: Roger Fisher

Test Start: 2011.01.19 @ 08:46:39

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

34000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.79 in³

Gas Cushion Type:

Resistivity: 0.57 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	50%Water/50%Mud	0.587
62.00	70%Water/30%Mud	0.870
2294.00	60%Oil/40%Gas	32.179
0.00	124' G.I.P.	0.000

Total Length: 2418.00 ft Total Volume: 33.636 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .57 @ 18F = 34000 ppm chlorides

