



KANSAS CORPORATION COMMISSION 1094820  
OIL & GAS CONSERVATION DIVISION

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

OPERATOR: License # 6509  
Name: Clark, Jim D. dba Cla-Mar Oil, Company  
Address 1: PO BOX 1197  
Address 2: \_\_\_\_\_  
City: HAYS State: KS Zip: 67601 + 1197  
Contact Person: Jim Clark  
Phone: (785) 625-3863  
CONTRACTOR: License # 33905  
Name: Royal Drilling Inc  
Wellsite Geologist: Roger L. Fisher  
Purchaser: \_\_\_\_\_

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 #: \_\_\_\_\_  
9/4/2012    9/9/2012    9/9/2012  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 15-051-26374-00-00

Spot Description: \_\_\_\_\_  
NE NE NW SE Sec. 31 Twp. 11 S. R. 17  East  West  
2430 Feet from  North /  South Line of Section  
1325 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Ellis

Lease Name: Hadley Well #: 1

Field Name: \_\_\_\_\_

Producing Formation: NA

Elevation: Ground: 2048 Kelly Bushing: 2055

Total Depth: 3660 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 211 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 cmf.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 51000 ppm Fluid volume: 700 bbls

Dewatering method used: Evaporated

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

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.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Deanna Garrison Date: 01/09/2013



1094820

Operator Name: Clark, Jim D. dba Cla-Mar Oil, Company Lease Name: Hadley Well #: 1  
 Sec. 31 Twp. 11 S. R. 17  East  West County: Ellis

**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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:  Dual Induction Dual Compensated Porosity	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Hb</td> <td>3259</td> <td>-1204</td> </tr> <tr> <td>Tor</td> <td>3279</td> <td>-1224</td> </tr> <tr> <td>Lansing</td> <td>3307</td> <td>-1252</td> </tr> <tr> <td>Arb</td> <td>3597</td> <td>-1542</td> </tr> </tbody> </table>	Name	Top	Datum	Hb	3259	-1204	Tor	3279	-1224	Lansing	3307	-1252	Arb	3597	-1542
Name	Top	Datum														
Hb	3259	-1204														
Tor	3279	-1224														
Lansing	3307	-1252														
Arb	3597	-1542														

CASING RECORD <input checked="" 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	12.25	8.625	20	211	Common	150	3% CC, 2% Gel.

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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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# QUALITY OILWELL CEMENTING, INC.

No. 731

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

Home Office P.O. Box 32 Russell, KS 67685

Date	9-5-12	Sec.	31	Twp.	11	Range	17	County	Ellis	State	KS	On Location		Finish	6:00 AM
Lease	Hadley	Well No.	#1	Location Open Pore Jackson N to Conrad Westgate											
Contractor	Poley Rig 2												Owner	To Quality Oilwell Cementing, Inc.	
Type Job	Surface												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	17 1/4												T.D.	211	
Csg.	5568												Depth	211.66	
Tbg Size													Charge To		
Tool													Street	Jim Clark	
Cement Left in Csg.	200#												City		
Meas Line													State		
													Depth		
													The above was done to satisfaction and supervision of owner agent or contractor.		
													Shoe Joint	200#	
													Displace	12.14 BDL	
													Cement Amount Ordered	50 3/8 11 1/2 2 1/2	

### EQUIPMENT

Pumptrk	16	No.	Cement		
			Helper		
Bulktrk	13	No.	Driver		
			Driver		
Bulktrk		No.	Driver		
			Driver		

Common
Poz. Mix
Gel.
Calcium
Hulls
Salt
Flowseal
Kel-Seal
Mud CLR 48
CFL-117 or CD110 CAF 38
Sand
Handling
Mileage

### JOB SERVICES & REMARKS

Remarks:  
 Flat Hole  
 Mouse Hole  
 Centralizers  
 Baskets  
 DV or Port Collar

*Cemented and Circulate*

*Lease HADLEY*

### FLOAT EQUIPMENT

Guide Shoe
Centralizer
Baskets
AFL Inserts
Float Shoe
Latch Down

Pumptrk Charge  
 Mileage

Tax  
 Discount  
 Total Charge

X *Hadley Rig*

# QUALITY OILWELL CEMENTING, INC.

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

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

No. 735

Date	9-9-12	Sec.	31	Twp.	11	Range	17	County	ELLIS	State	KS	On Location	7:30 pm	Finish	7:15 pm
Lease	huddy		Well No.		#2		Location								
Contractor	Bakley Pig 2											Owner			
Type Job	plug 526											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	T.D. 3660											Charge To			
Csg.	Depth 3583											Jim Clerk			
Tbg. Size	Depth											Street			
Tool	Depth											City State			
Cement Left in Csg.	Shoe Joint											The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line	Displace											Cement Amount Ordered 245 580 9/6 gal 245			

### EQUIPMENT

Pumptrk	716	No.	Cementor	101	Helper	101
Bulktrk	400	No.	Driver	101	Driver	101
Bulktrk		No.	Driver	101	Driver	101

### JOB SERVICES & REMARKS

Remarks:  
Rat Hole 305M  
Mouse Hole 145M  
Centralizers  
Baskets  
D/V or Port Collar

Common
Poz. Mix
Gel
Calcium
Hulls
Salt
Flowbeal
Kol-Seal
Mud CLR 48
CFL-117 or CD110 CAF 38
Sand
Handling
Mileage

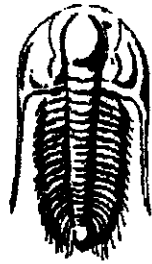
157 3583 90 SH  
76 13 25 25 SH  
36 270 100 SH  
44 260 90 SH  
54 40 10 SH

### FLOAT EQUIPMENT

Guide Shoe
Centralizer
Baskets
AFU Inserts
Float Shoe
Latch Down

# QUALITY OILWELL CEMENTING

Pumptrk Charge
Mileage
Tax
Discount
Total Charge



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Cla-Mar Oil Company**

PO Box 1197  
Hays KS 67601

ATTN: Roger Fisher

**Hadley #1**

**31-11s-17w Elis,KS**

Start Date: 2012.09.08 @ 06:35:00

End Date: 2012.09.08 @ 12:05:30

Job Ticket #: 48567                      DST #: 1

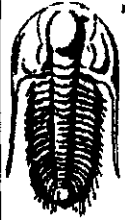
Cla-Mar Oil Company    31-11s-17w Elis,KS    Hadley #1    DST # 1    KC "H-K"    2012.09.08

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.09.12 @ 09:43:48



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Cla-Mar Oil Company

31-11s-17w Ellis, KS

PO Box 1197  
Hays KS 67601

**Hadley #1**

Job Ticket: 48567

DST#: 1

ATTN: Roger Fisher

Test Start: 2012.09.08 @ 06:35:00

### GENERAL INFORMATION:

Formation: **KC "H-K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:48:30

Time Test Ended: 12:05:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 59

Interval: **3420.00 ft (KB) To 3512.00 ft (KB) (TVD)**

Total Depth: 3512.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2056.00 ft (KB)

2048.00 ft (CF)

KB to GR/CF: 8.00 ft

**Serial #: 8319 Outside**

Press@RunDepth: 23.34 psig @ 3421.00 ft (KB)

Start Date: 2012.09.08

End Date:

2012.09.08

Capacity: 8000.00 psig

Last Calib.:

2012.09.08

Start Time: 06:35:05

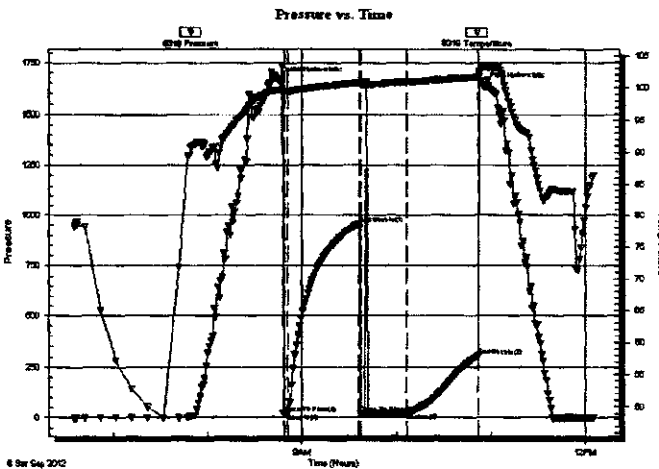
End Time:

12:05:29

Time On Btm: 2012.09.08 @ 08:45:00

Time Off Btm: 2012.09.08 @ 10:55:00

**TEST COMMENT:** IF-1" blow  
ISI-No blow  
FF-No blow flush tool weak surface blow died in 15 min  
FSI-No blow



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1665.36	99.52	Initial Hydro-static
4	18.86	99.41	Open To Flow (1)
6	19.40	99.38	Shut-In(1)
51	954.38	100.64	End Shut-In(1)
52	20.09	100.43	Open To Flow (2)
81	23.34	100.82	Shut-In(2)
127	304.46	101.58	End Shut-In(2)
130	1636.33	103.10	Final Hydro-static

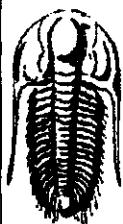
### Recovery

Length (ft)	Description	Volume (bbl)
10.00	Oil spotted mud	0.14

### Gas Rates

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





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Cla-Mar Oil Company

31-11s-17w Ells, KS

PO Box 1197  
Hays KS 67601

Hadley #1

Job Ticket: 48567

DST#: 1

ATTN: Roger Fisher

Test Start: 2012.09.08 @ 06:35:00

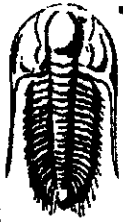
### Tool Information

Drill Pipe:	Length: 3413.00 ft	Diameter: 3.80 inches	Volume: 47.88 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.50 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 47.88 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3420.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	92.00 ft			
Tool Length:	113.00 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			3400.00	
Shut In Tool	5.00			3405.00	
Hydraulic tool	5.00			3410.00	
Packer	5.00			3415.00	21.00 Bottom Of Top Packer
Packer	5.00			3420.00	
Stubb	1.00			3421.00	
Recorder	0.00	8166	Inside	3421.00	
Recorder	0.00	8319	Outside	3421.00	
Perforations	5.00			3426.00	
Change Over Sub	1.00			3427.00	
Drill Pipe	62.00			3489.00	
Change Over Sub	1.00			3490.00	
Perforations	19.00			3509.00	
Bullnose	3.00			3512.00	92.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>113.00</b>				





**TRILOBITE TESTING, INC.**

### DRILL STEM TEST REPORT

### FLUID SUMMARY

Cla-Mar Oil Company  
PO Box 1197  
Hays KS 67601  
ATTN: Roger Fisher

**31-11s-17w Elis, KS**  
**Hadley #1**  
Job Ticket: 48567      DST#: 1  
Test Start: 2012.09.08 @ 06:35:00

#### 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: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: inches			

#### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Oil spotted mud	0.140

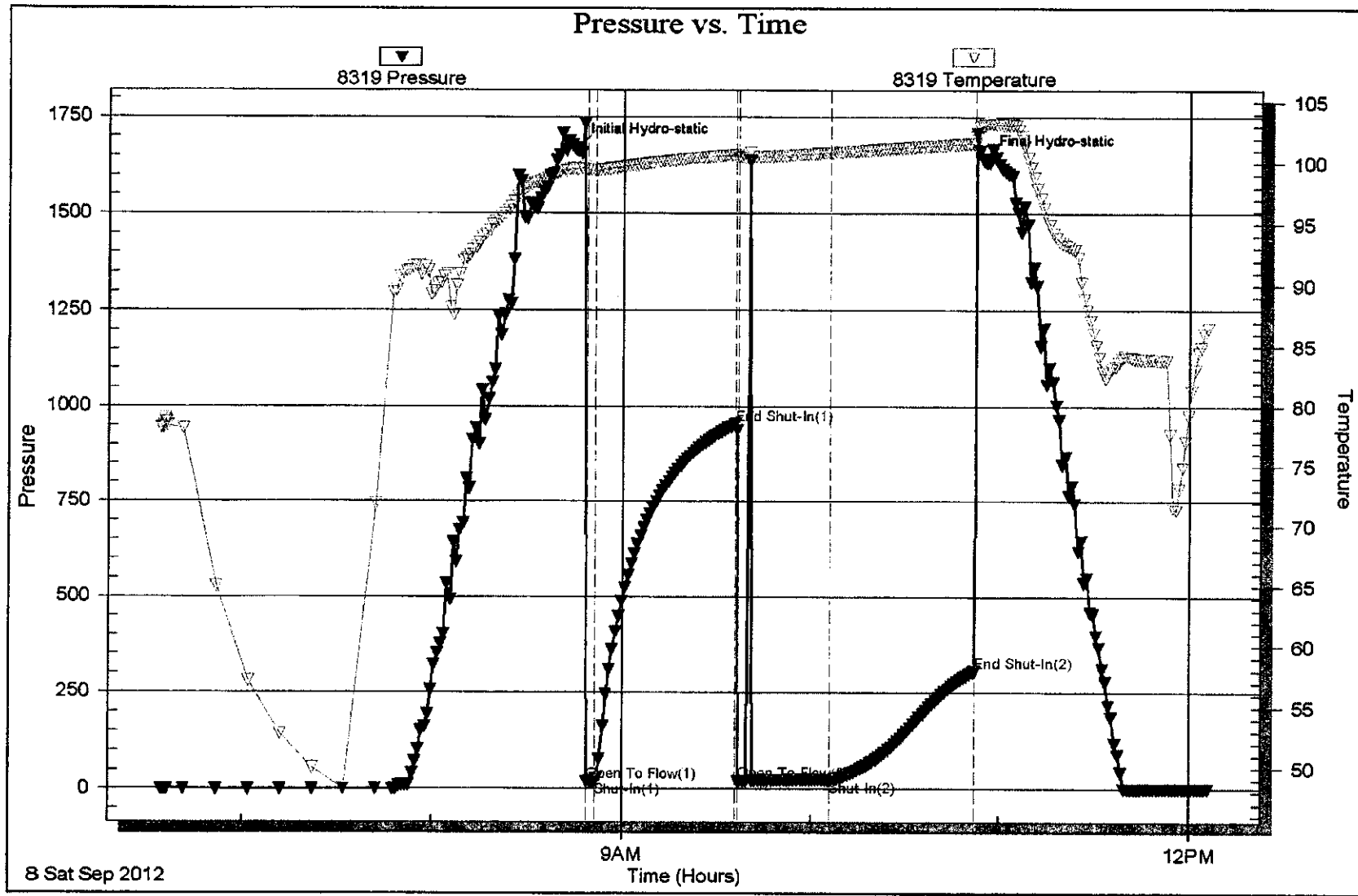
Total Length: 10.00 ft      Total Volume: 0.140 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

Serial #: 8319

Outside Cla-Mar Oil Company

Hadley #1

DST Test Number: 1

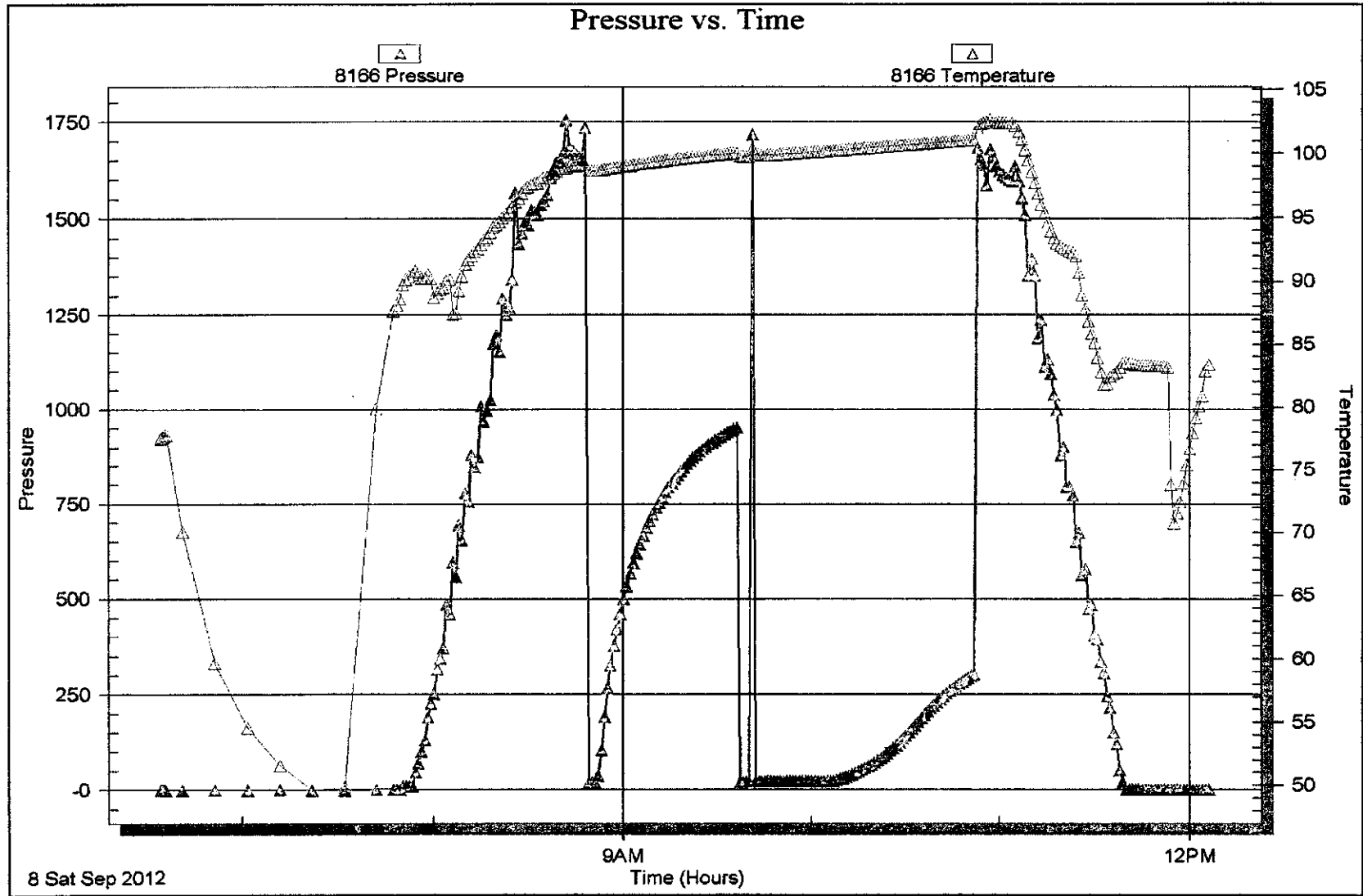


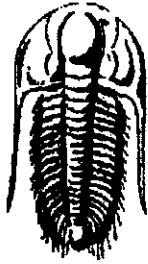
Serial #: 8166

Inside Cla-Mar Oil Company

Hadley #1

DST Test Number: 1





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Cla-Mar Oil Company**

PO Box 1197  
Hays KS 67601

ATTN: Roger Fisher

**Hadley #1**

**31-11s-17w Elis,KS**

Start Date: 2012.09.08 @ 21:45:00

End Date: 2012.09.09 @ 03:50:00

Job Ticket #: 48568                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.09.12 @ 09:41:38

Cla-Mar Oil Company 31-11s-17w Elis,KS Hadley #1 DST # 2 Arbuckle 2012.09.08



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Cla-Mar Oil Company

**31-11s-17w Elis, KS**

PO Box 1197  
Hays KS 67601

**Hadley #1**

Job Ticket: 48568

**DST#: 2**

ATTN: Roger Fisher

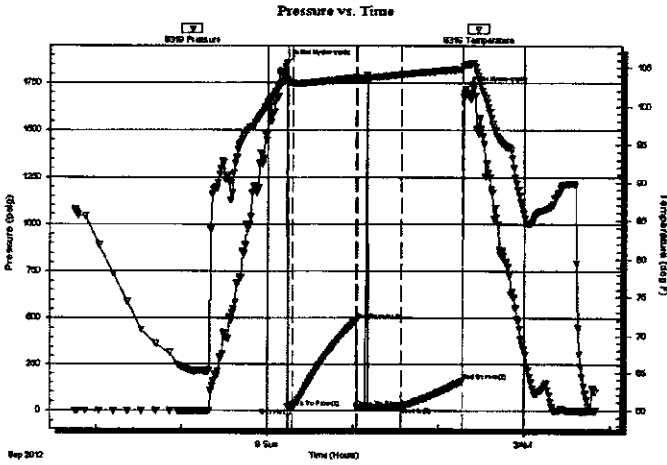
Test Start: 2012.09.08 @ 21:45:00

**GENERAL INFORMATION:**

Formation: **Arbuckle**  
 Deviated: No Whipstock ft (KB)  
 Time Tool Opened: 00:14:30  
 Time Test Ended: 03:50:00  
 Interval: **3544.00 ft (KB) To 3603.00 ft (KB) (TVD)**  
 Total Depth: 3603.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brett Dickinson  
 Unit No: 59  
 Reference Elevations: 2056.00 ft (KB)  
 2048.00 ft (CF)  
 KB to GR/CF: 8.00 ft

**Serial #: 8319** Outside  
 Press@RunDepth: 21.79 psig @ 3545.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.09.08 End Date: 2012.09.09 Last Calib.: 2012.09.09  
 Start Time: 21:45:05 End Time: 03:49:59 Time On Btm: 2012.09.09 @ 00:13:30  
 Time Off Btm: 2012.09.09 @ 02:18:30

**TEST COMMENT:** IF-3/4" blow  
 IS-No blow  
 FF-No blow flush tool  
 FSI-No blow



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1856.85	103.48	Initial Hydro-static
1	17.31	103.08	Open To Flow (1)
4	17.46	102.96	Shut-In(1)
49	486.55	103.69	End Shut-In(1)
49	17.64	103.57	Open To Flow (2)
80	21.79	104.12	Shut-In(2)
123	158.48	104.83	End Shut-In(2)
125	1717.02	105.38	Final Hydro-static

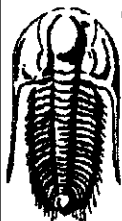
**Recovery**

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

\* Recovery from multiple tests

**Gas Rates**

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Cla-Mar Oil Company

31-11s-17w Elis,KS

PO Box 1197  
Hays KS 67601

Hadley #1

Job Ticket: 48568

DST#: 2

ATTN: Roger Fisher

Test Start: 2012.09.08 @ 21:45:00

### GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:14:30

Time Test Ended: 03:50:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: **3544.00 ft (KB) To 3603.00 ft (KB) (TVD)**

Total Depth: 3603.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2056.00 ft (KB)

2048.00 ft (CF)

KB to GR/CF: 8.00 ft

**Serial #: 8166** Inside

Press@RunDepth: psig @ 3545.00 ft (KB)

Start Date: 2012.09.08

End Date:

2012.09.09

Capacity:

8000.00 psig

Start Time: 21:45:05

End Time:

03:49:29

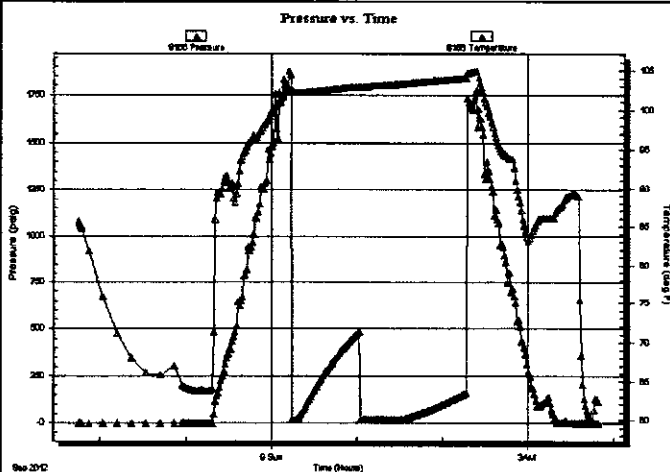
Last Calib.:

2012.09.09

Time On Btm:

Time Off Btm:

**TEST COMMENT:** IF-3/4" blow  
IS-No blow  
FF-No blow flush tool  
FS-No blow



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
-------------	-----------------	--------------	------------

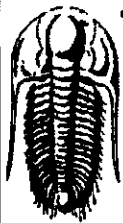
### Recovery

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

\* Recovery from multiple tests

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Cla-Mar Oil Company

**31-11s-17w Elis,KS**

PO Box 1197  
Hays KS 67601

**Hadley #1**

Job Ticket: 48568

**DST#: 2**

ATTN: Roger Fisher

Test Start: 2012.09.08 @ 21:45:00

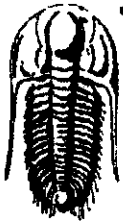
**Tool Information**

Drill Pipe:	Length: 3539.00 ft	Diameter: 3.80 inches	Volume: 49.64 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:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.50 inches	Volume: 0.00 bbl	Weight to Pull Loose:	40000.00 lb
			<u>Total Volume: 49.64 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial	38000.00 lb
Depth to Top Packer:	3544.00 ft			Final	38000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	59.00 ft				
Tool Length:	80.00 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			3524.00	
Shut In Tool	5.00			3529.00	
Hydraulic tool	5.00			3534.00	
Packer	5.00			3539.00	21.00      Bottom Of Top Packer
Packer	5.00			3544.00	
Stubb	1.00			3545.00	
Recorder	0.00	8166	Inside	3545.00	
Recorder	0.00	8319	Outside	3545.00	
Perforations	5.00			3550.00	
Change Over Sub	1.00			3551.00	
Drill Pipe	32.00			3583.00	
Change Over Sub	1.00			3584.00	
Perforations	16.00			3600.00	
Bullnose	3.00			3603.00	59.00      Bottom Packers & Anchor

**Total Tool Length: 80.00**



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Cla-Mar Oil Company

31-11s-17w Elis,KS

PO Box 1197  
Hays KS 67601

**Hadley #1**

Job Ticket: 48568

DST#: 2

ATTN: Roger Fisher

Test Start: 2012.09.08 @ 21:45:00

**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: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud	0.070

Total Length: 5.00ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

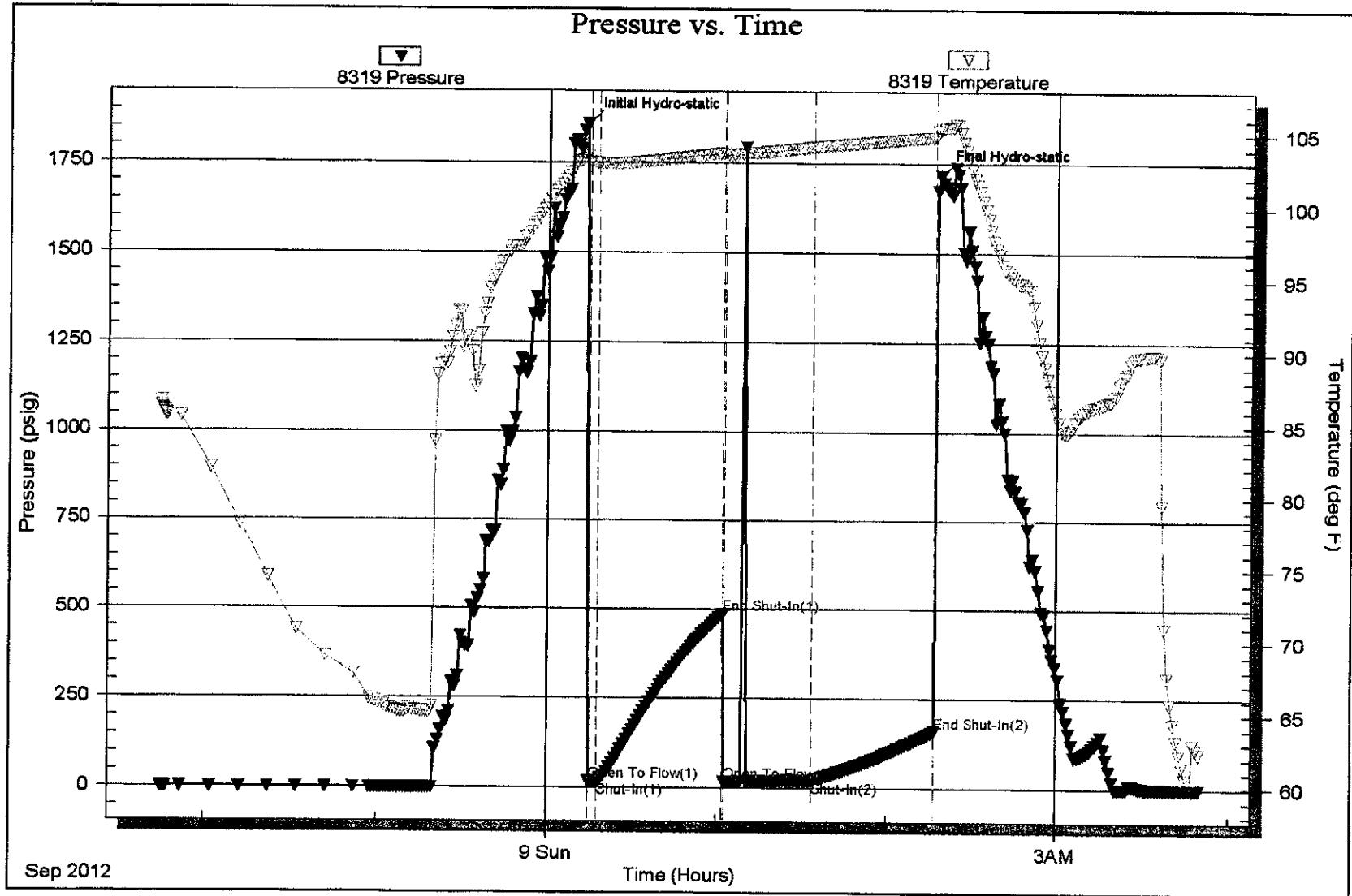


Serial #: 8319

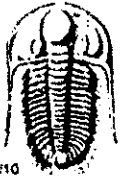
Outside Cla-Mar Oil Company

Hadley #1

DST Test Number: 2







# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 48567

Well Name & No. Hadley #1 Test No. 1 Date 9/8/12  
 Company Clg-Mar Oil Company Elevation 2056 KB 2048 GL  
 Address PO Box 1197 Hays KS 67601  
 Co. Rep / Geo. Roger Fisher Rig Key 1 #2  
 Location: Sec. 31 Twp. 11 Rge. 17 Co. Ellis State KS

Interval Tested 3420 - 3512 Zone Tested KC "H-K"  
 Anchor Length 92 Drill Pipe Run 3413 Mud Wt. 8.8  
 Top Packer Depth 3415 Drill Collars Run --- Vis 49  
 Bottom Packer Depth 3420 Wt. Pipe Run --- WL 8.8  
 Total Depth 3512 Chlorides 3,000 ppm System LCM ---  
 Blow Description IF - lin blow  
ISI - No blow  
FF - No blow flush tool west surface blow died in 15 min  
FST - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>oil spotted mud</u>				
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

Rec Total 10 BHT 102 Gravity --- API RW --- @ --- °F Chlorides --- ppm

(A) Initial Hydrostatic 1,665  Test 1150 T-On Location 6:10  
 (B) First Initial Flow 19  Jars --- T-Started 6:35  
 (C) First Final Flow 19  Safety Joint --- T-Open 8:47  
 (D) Initial Shut-In 954  Circ Sub --- T-Pulled 10:50  
 (E) Second Initial Flow 20  Hourly Standby --- T-Out 12:03  
 (F) Second Final Flow 23  Mileage 40 RT 62 Comments ---  
 (G) Final Shut-In 304  Sampler ---  
 (H) Final Hydrostatic 1,636  Straddle ---  Ruined Shale Packer ---  
 Shale Packer ---  Ruined Packer ---  
 Extra Packer ---  Extra Copies ---  
 Extra Recorder --- Sub Total 0  
 Day Standby --- Total 1212  
 Accessibility --- MP/DST Disc't ---  
 Sub Total 1212

Approved By \_\_\_\_\_ Our Representative B. Fisher  
 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



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 48566

Well Name & No. Hadley #1 Test No. 2 Date 9/8/12  
 Company Ch-Mar Oil, Company Elevation 2056 KB 2048 GL  
 Address PO Box 1197 Hays KS 67601  
 Co. Rep / Geo. Roger Fisher Rig Royal #2  
 Location: Sec. 31 Twp. 11 Rge. 17 Co. Ellis State KS

Interval Tested 3544 - 3603 Zone Tested Arb.  
 Anchor Length 59 Drill Pipe Run 3539 Mud Wt. 9.3  
 Top Packer Depth 3539 Drill Collars Run — Vis 53  
 Bottom Packer Depth 3544 Wt. Pipe Run — WL 9.6  
 Total Depth 3603 Chlorides 3,000 ppm System LCM  
 Blow Description 2F - 3/4 in blow  
IS2 - No blow  
FF - No blow flush tool  
FSE - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud</u>				
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

Rec Total 5 BHT 105 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1,857  Test 1150 T-On Location 22:20  
 (B) First Initial Flow 17  Jars \_\_\_\_\_ T-Started 21:43  
 (C) First Final Flow 17  Safety Joint \_\_\_\_\_ T-Open 23:55  
 (D) Initial Shut-In 487  Circ Sub \_\_\_\_\_ T-Pulled 1:58  
 (E) Second Initial Flow 18  Hourly Standby \_\_\_\_\_ T-Out 3:35  
 (F) Second Final Flow 22  Mileage 40-T X 2 <sup>124</sup> Comments lost tools  
 (G) Final Shut-In 158  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1,717  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 3  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 45  Day Standby \_\_\_\_\_ Total 1274  
 Final Flow 30  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 45 Sub Total 1274

Approved By \_\_\_\_\_ Our Representative [Signature]  
 Trilobite Testing Inc. shall not be liable for damaged or 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.