



KANSAS CORPORATION COMMISSION 1116600  
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 # \_\_\_\_\_

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

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

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

Wellsite Geologist: \_\_\_\_\_

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 #: \_\_\_\_\_

Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

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

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

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

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

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

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ 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.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

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: \_\_\_\_\_ Date: \_\_\_\_\_



1116600

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**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 type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

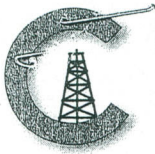
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

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 Bbbs.	Gas Mcf	Water Bbbs.	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 <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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**CONSOLIDATED**  
Oil Well Services, LLC

**REMIT TO**  
Consolidated Oil Well Services, LLC  
Dept. 970  
P.O. Box 4346  
Houston, TX 77210-4346

**MAIN OFFICE**  
P.O. Box 884  
Chanute, KS 66720  
620/431-9210 • 1-800/467-8676  
Fax 620/431-0012

INVOICE

Invoice # 252

Invoice Date: 08/17/2012 Terms: 10/10/30,n/30

Page

PRATER OIL & GAS  
1303 N. MAIN  
PATT KS 67124  
(620)672-7600

OTTLEY 1-21  
37066  
21-10-31  
08-16-2012  
KS

Part Number	Description	Qty	Unit Price	To
1131	60/40 POZ MIX	220.00	15.1000	3322
1118B	PREMIUM GEL / BENTONITE	757.00	.2500	189
1107	FLO-SEAL (25#)	55.00	2.8200	155
4432	8 5/8" WOODEN PLUG	1.00	96.0000	96

Sublet Performed	Description	To
9996-130	CEMENT MATERIAL DISCOUNT	-376
9995-130	CEMENT EQUIPMENT DISCOUNT	-178

Description	Hours	Unit Price	To
399 P & A NEW WELL	1.00	1325.00	1325
399 EQUIPMENT MILEAGE (ONE WAY)	10.00	5.00	50
566 MIN. BULK DELIVERY	1.00	410.00	410

*plugging*

*copy*

Amount Due 5822.01 if paid after 09/16/2012

Parts:	3762.35	Freight:	.00	Tax:	247.19	AR	5239
Labor:	.00	Misc:	.00	Total:	5239.80		
Sublt:	-554.74	Supplies:	.00	Change:	.00		

Signed \_\_\_\_\_

Date \_\_\_\_\_

BARTLESVILLE, OK  
918/338-0808

EL DORADO, KS  
316/322-7022

EUREKA, KS  
620/583-7664

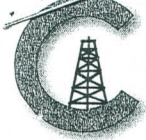
PONCA CITY, OK  
580/762-2303

OAKLEY, KS  
785/672-2227

OTTAWA, KS  
785/242-4044

THAYER, KS  
620/839-5269

GILLETTE, WY  
307/686-4914



**CONSOLIDATED**  
Oil Well Services, LLC

**REMIT TO**  
Consolidated Oil Well Services, LLC  
Dept. 970  
P.O. Box 4346  
Houston, TX 77210-4346

MAIN OFFICE  
P.O. Box 1  
Chanute, KS 666  
620/431-9210 • 1-800/467-8  
Fax 620/431-0

INVOICE

Invoice # 25

Invoice Date: 08/08/2012 Terms: 10/10/30,n/30 Page

PRATER OIL & GAS  
1303 N. MAIN  
PATT KS 67124  
(620) 672-7600

OTTLEY #1-21  
37093  
21-10-31  
08-07-2012  
KS

Part Number	Description	Qty	Unit Price	T
1104S	CLASS "A" CEMENT (SALE)	200.00	17.6500	353
1102	CALCIUM CHLORIDE (50#)	564.00	.8900	50
1118B	PREMIUM GEL / BENTONITE	376.00	.2500	9

Sublet Performed	Description	T
9996-130	CEMENT MATERIAL DISCOUNT	-41
9995-130	CEMENT EQUIPMENT DISCOUNT	-15

Description	Hours	Unit Price	T
460 MIN. BULK DELIVERY	1.00	410.00	41
463 CEMENT PUMP (SURFACE)	1.00	1085.00	108
463 EQUIPMENT MILEAGE (ONE WAY)	5.00	5.00	2

*cement surface*

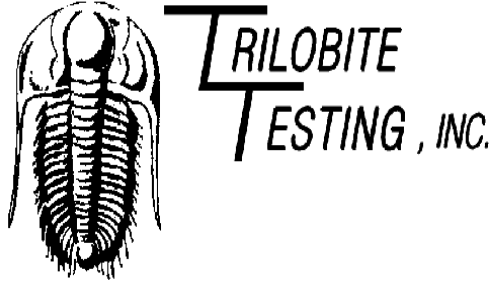
*copy*

Amount Due 5947.15 if paid after 09/07/2012

Parts:	4125.96	Freight:	.00	Tax:	271.07	AR	5352
Labor:	.00	Misc:	.00	Total:	5352.43		
Sublt:	-564.60	Supplies:	.00	Change:	.00		

Signed \_\_\_\_\_

Date \_\_\_\_\_



## DRILL STEM TEST REPORT

Prepared For: **Prater Oil & Gas Operation**

1303 N. Main  
Pratt, KS 67124

ATTN: Scott Alberg

### **Ottley #1-21**

#### **21-10s-31w Thomas,KS**

Start Date: 2012.08.13 @ 09:16:20

End Date: 2012.08.13 @ 16:31:44

Job Ticket #: 48408                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.08.16 @ 16:32:19



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Prater Oil & Gas Operation

**21-10s-31w Thomas,KS**

1303 N. Main  
Pratt, KS 67124

**Ottley #1-21**

Job Ticket: 48408

**DST#: 1**

ATTN: Scott Alberg

Test Start: 2012.08.13 @ 09:16:20

## GENERAL INFORMATION:

Formation: **HIJK**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:46:15

Time Test Ended: 16:31:44

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 60

**Interval: 4140.00 ft (KB) To 4255.00 ft (KB) (TVD)**

Reference Elevations: 2979.00 ft (KB)

Total Depth: 4255.00 ft (KB) (TVD)

2969.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8373 Inside**

Press @ Run Depth: 73.25 psig @ 4141.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.08.13

End Date:

2012.08.13

Last Calib.:

2012.08.13

Start Time:

09:16:20

End Time:

16:31:44

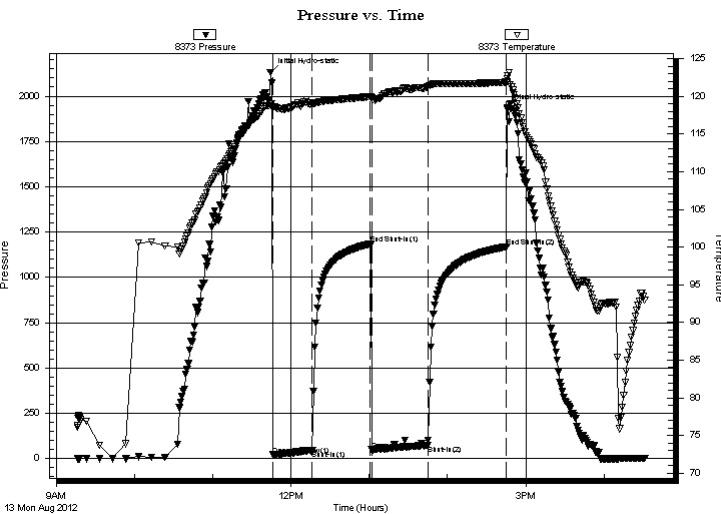
Time On Btm:

2012.08.13 @ 11:44:15

Time Off Btm:

2012.08.13 @ 14:45:44

**TEST COMMENT:** IF: 1/4" blow built to 3 1/2" 30 min.  
IS: No return.  
FF: Weak blow built to 3" 45 min.  
FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2131.04	118.81	Initial Hydro-static
2	20.98	118.58	Open To Flow (1)
32	44.12	118.93	Shut-In(1)
77	1184.48	119.97	End Shut-In(1)
78	49.23	119.71	Open To Flow (2)
121	73.25	121.23	Shut-In(2)
181	1169.60	121.89	End Shut-In(2)
182	1931.13	122.33	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	w cm 5%w 95%m	0.87
40.00	mud 100%m	0.56

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Prater Oil & Gas Operation

**21-10s-31w Thomas,KS**

1303 N. Main  
Pratt, KS 67124

**Ottley #1-21**

Job Ticket: 48408

**DST#: 1**

ATTN: Scott Alberg

Test Start: 2012.08.13 @ 09:16:20

## Tool Information

Drill Pipe:	Length: 4116.00 ft	Diameter: 3.80 inches	Volume: 57.74 bbl	Tool Weight: 20000.00 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: 100000.0 lb
			Total Volume: 57.74 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4140.00 ft			Final 640000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	115.00 ft			
Tool Length:	143.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Stubb	1.00			4113.00	
Shut In Tool	5.00			4118.00	
Hydraulic tool	5.00			4123.00	
Jars	5.00			4128.00	
Safety Joint	3.00			4131.00	
Packer	5.00			4136.00	28.00 Bottom Of Top Packer
Packer	4.00			4140.00	
Stubb	1.00			4141.00	
Recorder	0.00	8373	Inside	4141.00	
Recorder	0.00	8356	Outside	4141.00	
Perforations	13.00			4154.00	
Change Over Sub	1.00			4155.00	
Drill Pipe	94.00			4249.00	
Change Over Sub	1.00			4250.00	
Bullnose	5.00			4255.00	115.00 Bottom Packers & Anchor

**Total Tool Length: 143.00**





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Prater Oil & Gas Operation

**21-10s-31w Thomas,KS**

1303 N. Main  
Pratt, KS 67124

**Ottley #1-21**

Job Ticket: 48408

**DST#: 1**

ATTN: Scott Alberg

Test Start: 2012.08.13 @ 09:16:20

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	w cm 5%w 95%m	0.870
40.00	mud 100%m	0.561

Total Length: 102.00 ft

Total Volume: 1.431 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

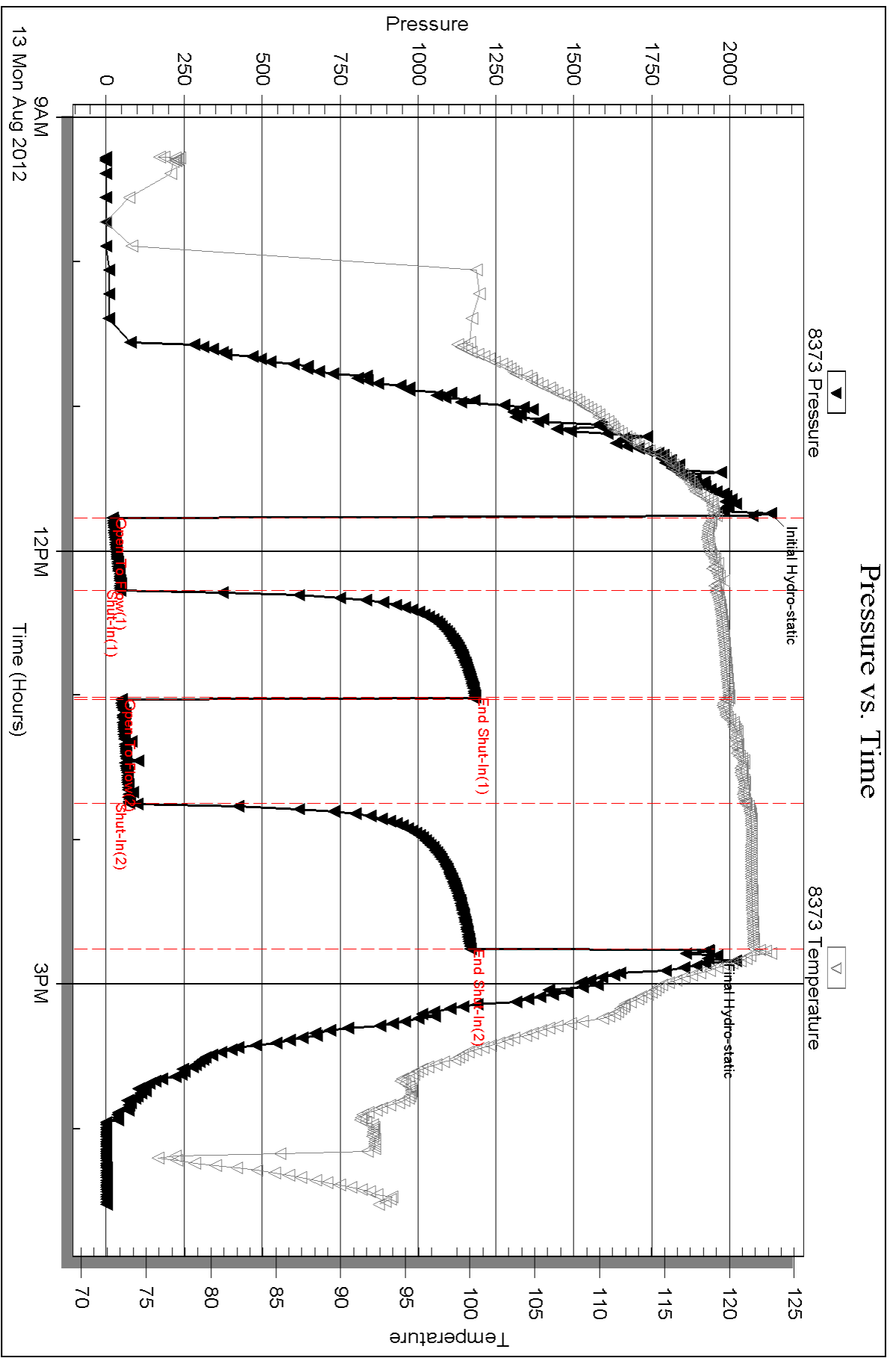
Serial #: 8373

Inside

Prater Oil & Gas Operation

Ottley #1-21

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 48408

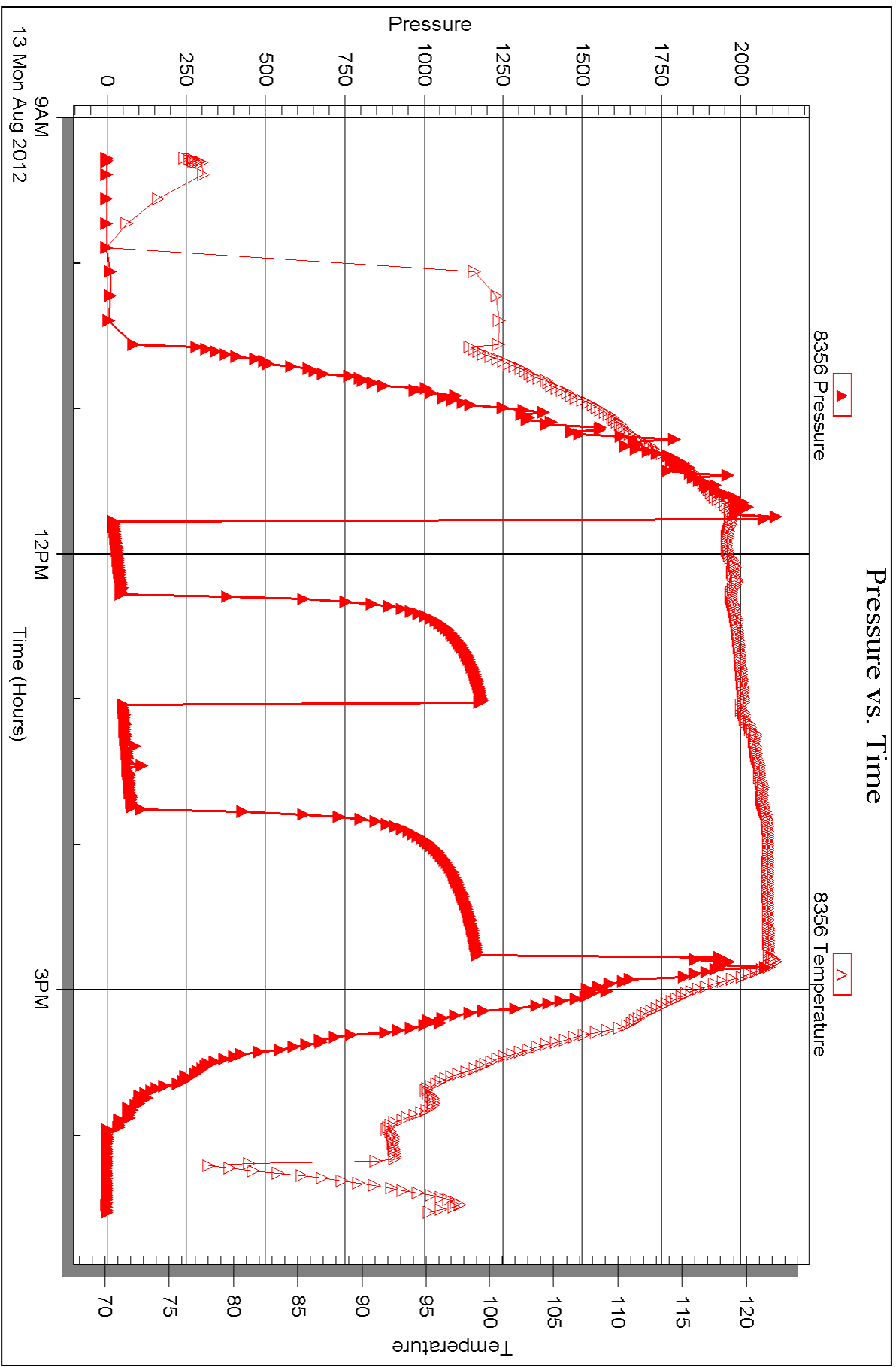
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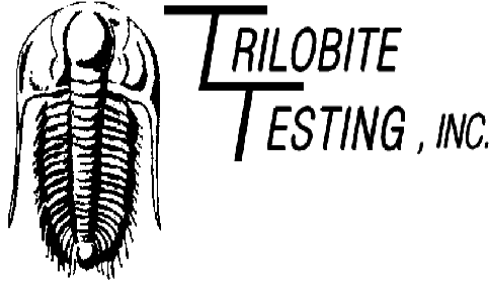
Serial #: 8356

Outside Patrol Oil & Gas Operation

Oilley #1-21

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Prater Oil & Gas Operation**

1303 N. Main  
Pratt, KS 67124

ATTN: Scott Alberg

### **Ottley #1-21**

#### **21-10s-31w Thomas,KS**

Start Date: 2012.08.14 @ 15:35:14

End Date: 2012.08.14 @ 21:58:44

Job Ticket #: 48409                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.08.16 @ 16:25:16

Prater Oil & Gas Operation

21-10s-31w Thomas,KS

Ottley #1-21

DST # 2

Pawnee-Myric Station

2012.08.14



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Prater Oil & Gas Operation

**21-10s-31w Thomas,KS**

1303 N. Main  
Pratt, KS 67124

**Ottley #1-21**

Job Ticket: 48409

**DST#: 2**

ATTN: Scott Alberg

Test Start: 2012.08.14 @ 15:35:14

## GENERAL INFORMATION:

Formation: **Pawnee-Myric Station**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:13:44

Time Test Ended: 21:58:44

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

**Interval: 4385.00 ft (KB) To 4463.00 ft (KB) (TVD)**

Reference Elevations: 2979.00 ft (KB)

Total Depth: 4463.00 ft (KB) (TVD)

2969.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8373**

**Inside**

Press @ Run Depth: 40.68 psig @ 4386.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.08.14

End Date:

2012.08.14

Last Calib.:

2012.08.14

Start Time: 15:35:19

End Time:

21:58:43

Time On Btm:

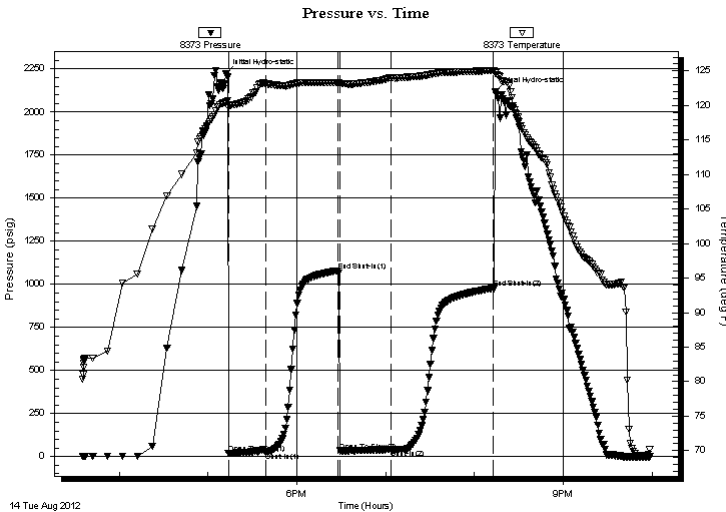
2012.08.14 @ 17:12:14

Time Off Btm:

2012.08.14 @ 20:14:14

**TEST COMMENT:** IF: 1/4" blow built to 2 1/2" in 30 min.  
IS: No return.  
FF: Weak blow built to 1" in 45 min.  
FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2224.70	120.46	Initial Hydro-static
2	19.25	119.72	Open To Flow (1)
27	23.76	123.09	Shut-In(1)
76	1079.53	123.32	End Shut-In(1)
77	33.93	123.13	Open To Flow (2)
111	40.68	124.03	Shut-In(2)
181	978.44	125.07	End Shut-In(2)
182	2116.58	124.70	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	gocm 5%g 5%o 90%m	0.84

## Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Prater Oil & Gas Operation

**21-10s-31w Thomas,KS**

1303 N. Main  
Pratt, KS 67124

**Ottley #1-21**

Job Ticket: 48409

**DST#: 2**

ATTN: Scott Alberg

Test Start: 2012.08.14 @ 15:35:14

## Tool Information

Drill Pipe:	Length: 4362.00 ft	Diameter: 3.80 inches	Volume: 61.19 bbl	Tool Weight: 20000.00 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: 75000.00 lb
			<u>Total Volume: 61.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4385.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.00 ft			
Tool Length:	106.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Stubb	1.00			4358.00	
Shut In Tool	5.00			4363.00	
Hydraulic tool	5.00			4368.00	
Jars	5.00			4373.00	
Safety Joint	3.00			4376.00	
Packer	5.00			4381.00	28.00 Bottom Of Top Packer
Packer	4.00			4385.00	
Stubb	1.00			4386.00	
Recorder	0.00	8373	Inside	4386.00	
Recorder	0.00	8356	Outside	4386.00	
Perforations	8.00			4394.00	
Change Over Sub	1.00			4395.00	
Drill Pipe	62.00			4457.00	
Change Over Sub	1.00			4458.00	
Bullnose	5.00			4463.00	78.00 Bottom Packers & Anchor

**Total Tool Length: 106.00**



**TRILOBITE**  
**TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Prater Oil & Gas Operation

**21-10s-31w Thomas,KS**

1303 N. Main  
Pratt, KS 67124

**Ottley #1-21**

Job Ticket: 48409

**DST#: 2**

ATTN: Scott Alberg

Test Start: 2012.08.14 @ 15:35:14

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
60.00	gocm 5%g 5%o 90%m	0.842

Total Length: 60.00 ft      Total Volume: 0.842 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Serial #: 8373

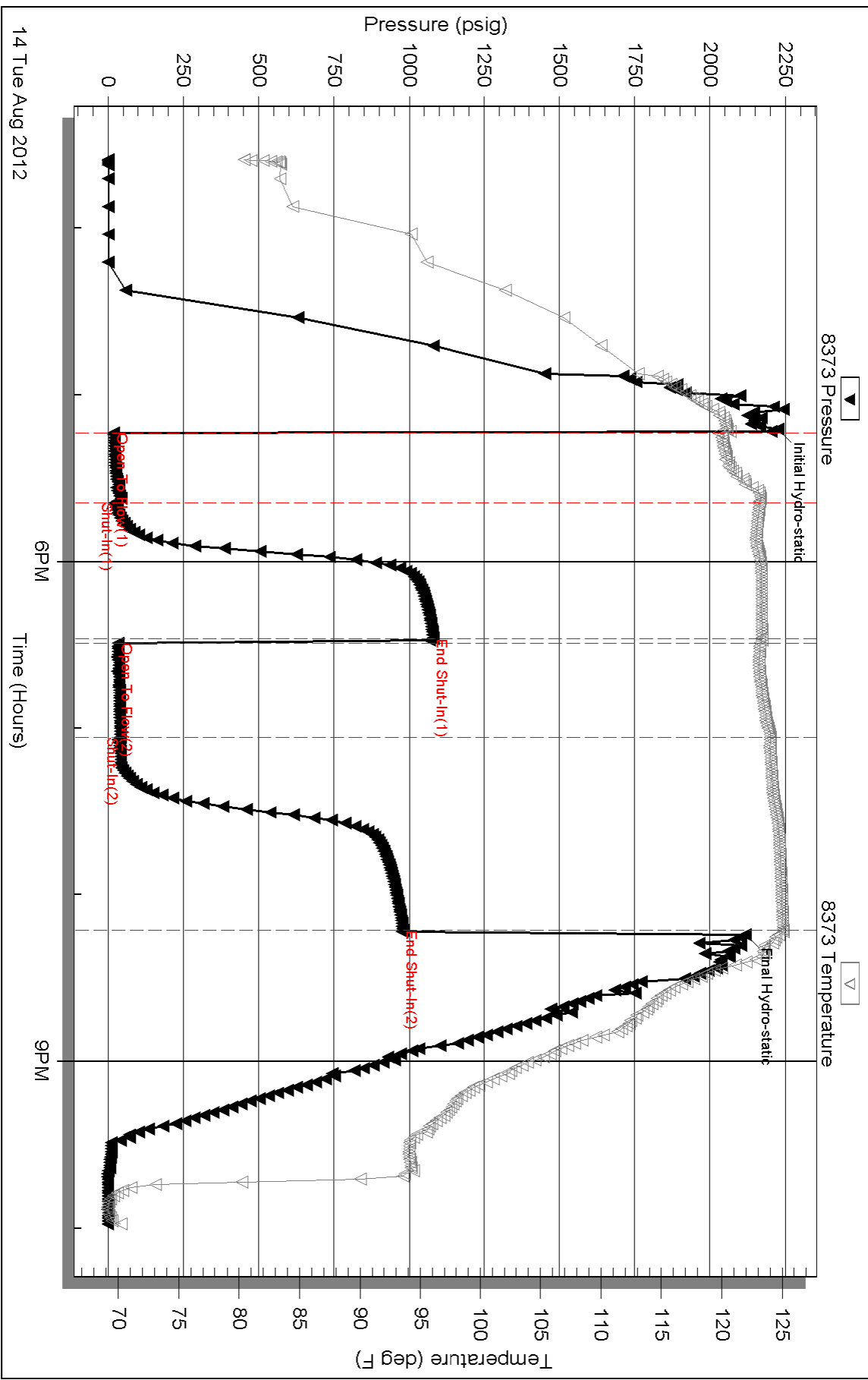
Inside

Prater Oil & Gas Operation

Oilley #1-21

DST Test Number: 2

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 48409

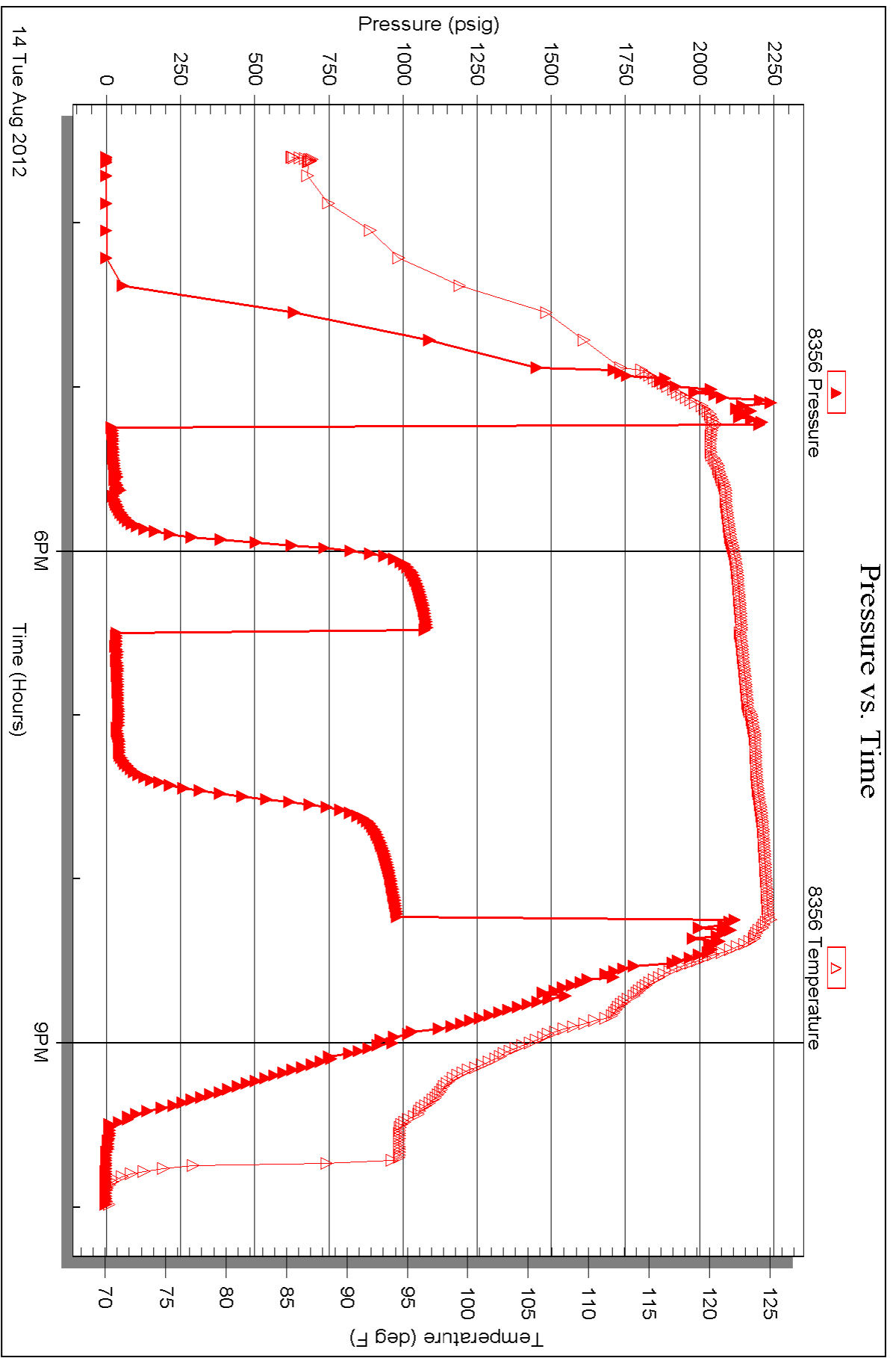
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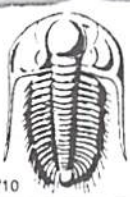
Serial #: 8356

Outside Patrol Oil & Gas Operation

Oilley #1-21

DST Test Number: 2





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 48408

Well Name & No. Ottley 1-21 Test No. 1 Date 8-13-12  
 Company Prater oil & Gas operations Elevation 2979 KB 2969 GL  
 Address 1303 N. Main. Pratt, KS 67124  
 Co. Rep / Geo. Scott Alberg Rig Maverick #188  
 Location: Sec. 21 Twp. 10 Rge. 31 Co. Thomas State KS

Interval Tested 4140 4255 Zone Tested ~~Maverick #108~~ HIJK  
 Anchor Length 115 Drill Pipe Run \_\_\_\_\_ Mud Wt. 9.3  
 Top Packer Depth 4135 Drill Collars Run — Vis 52  
 Bottom Packer Depth 4140 Wt. Pipe Run — WL 7.2  
 Total Depth 4255 Chlorides 2200 ppm System LCM 2

Blow Description IF: 1/4 blow built to 3 1/2 in 30 min.  
IS: No return.  
FF: Weak blow built to 3 in 45 min.  
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>mud</u>				<u>100</u>
<u>62</u>	<u>WCM</u>		<u>5</u>		<u>95</u>
____	____				
____	____				
____	____				

Rec Total 102 BHT 121 Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic <u>2131</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>8:00</u>
(B) First Initial Flow <u>20</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>9:16</u>
(C) First Final Flow <u>44</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>11:46</u>
(D) Initial Shut-In <u>1184</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>14:46</u>
(E) Second Initial Flow <u>49</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>16:30</u>
(F) Second Final Flow <u>73</u>	<input checked="" type="checkbox"/> Mileage <u>114-</u> 176.70	Comments _____
(G) Final Shut-In <u>1169</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1931</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

Initial Open 30  
 Initial Shut-In 45  
 Final Flow 45  
 Final Shut-In 60

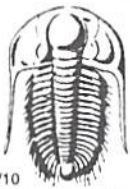
Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

Sub Total 0  
 Total 1751.70  
 MP/DST Disc't \_\_\_\_\_

Sub Total 1751.70

Approved By [Signature] Our Representative [Signature]

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. 48409

Well Name & No. Ottley 1-21 Test No. 2 Date 8-14-12  
 Company Prater oil & Gas operations Elevation 2979 KB 2869 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Scott Alberg Rig Maverick #108  
 Location: Sec. 21 Twp. 10 Rge. 31 Co. Thomas State KS

Interval Tested 4385 4463 Zone Tested Pawnee - Myric Station  
 Anchor Length 78 Drill Pipe Run 4362 Mud Wt. 9.3  
 Top Packer Depth 4380 Drill Collars Run — Vis 52  
 Bottom Packer Depth 4385 Wt. Pipe Run — WL 8.8  
 Total Depth 4463 Chlorides 2500 ppm System LCM 2

Blow Description IF: 1/4 blow built to 2 1/2 in 30 min,  
IS: No return,  
FFli weak blow built to 1 in 45 min.  
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>90cm</u>	<u>5</u>	<u>5</u>	<u>90</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 60 BHT 125 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2224</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>15:20</u>
(B) First Initial Flow <u>19</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>15:35</u>
(C) First Final Flow <u>23</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>17:13</u>
(D) Initial Shut-In <u>1079</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>20:13</u>
(E) Second Initial Flow <u>33</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>22:00</u>
(F) Second Final Flow <u>40</u>	<input checked="" type="checkbox"/> Mileage <u>114-x2</u> 353.40	Comments _____
(G) Final Shut-In <u>978</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer
(H) Final Hydrostatic <u>2116</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	Sub Total <u>0</u>
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	Total <u>1928.40</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility	
	Sub Total <u>1928.40</u>	

Approved By [Signature] Our Representative [Signature]

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.