

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Rupe Oil Co Inc**

PO Box 783010
Wichita KS 67287

ATTN: Paul C. /Glen Rupe

17 25 5 Reno KS

Woodruff#1

Start Date: 2007.12.18 @ 10:23:09
End Date: 2007.12.18 @ 22:41:39
Job Ticket #: 30121 DST #: 1

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Rupe Oil Co Inc

PO Box 783010
Wichita KS 67287

ATTN: Paul C. /Glen Rupe

Woodruff#1

17 25 5 Reno KS

Job Ticket: 30121 **DST#: 1**

Test Start: 2007.12.18 @ 10:23:09

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:01:24
Time Test Ended: 22:41:39

Test Type: Conventional Bottom Hole
Tester: Gary Pevoteaux
Unit No: 39

Interval: 3416.00 ft (KB) To 3425.00 ft (KB) (TVD)
Total Depth: 3425.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

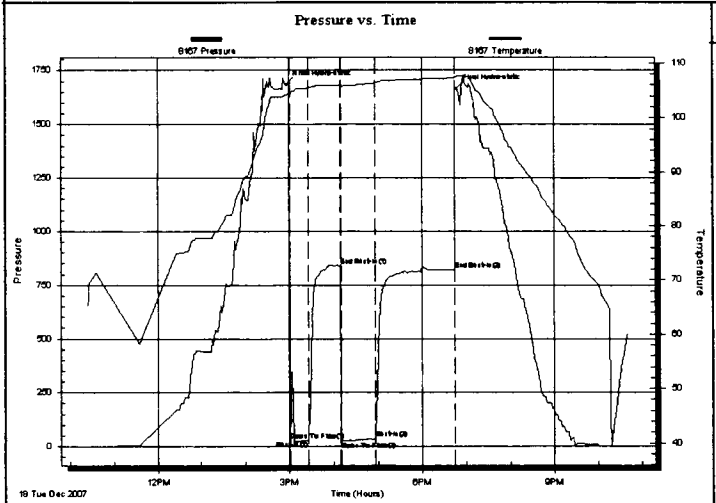
Reference Elevations: 1484.00 ft (KB)
1479.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8167 **Inside**

Press@RunDepth: 35.35 psig @ 3417.00 ft (KB)
Start Date: 2007.12.18 End Date: 2007.12.18
Start Time: 10:23:14 End Time: 22:41:39

Capacity: 7000.00 psig
Last Calib.: 2007.12.18
Time On Btm: 2007.12.18 @ 14:56:54
Time Off Btm: 2007.12.18 @ 18:46:39

TEST COMMENT: IF Weak blow Slow increase to 3 "
ISI No blow
FF Fair to strong blow BOB in 15 mins.
FSI Weak blow 1/2 - 1 "



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1682.36	104.15	Initial Hydro-static
5	27.08	103.99	Open To Flow (1)
30	26.90	105.40	Shut-In(1)
73	840.13	105.99	End Shut-In(1)
74	25.15	105.81	Open To Flow (2)
120	35.35	106.38	Shut-In(2)
228	819.95	107.29	End Shut-In(2)
230	1666.77	107.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
35.00	SGCM 4%G 96%M	0.17
0.00	600 ft.of GIP	0.00

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Rupe Oil Co Inc

PO Box 783010
Wichita KS 67287

ATTN: Paul C. /Glen Rupe

Woodruff#1

17 25 5 Reno KS

Job Ticket: 30121 **DST#: 1**

Test Start: 2007.12.18 @ 10:23:09

Tool Information

Drill Pipe:	Length:	2929.00 ft	Diameter:	2.25 inches	Volume:	14.40 bbl	Tool Weight:		2100.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		26000.00 lb
Drill Collar:	Length:	480.00 ft	Diameter:	2.25 inches	Volume:	2.36 bbl	Weight to Pull Loose:		150000.0 lb
					Total Volume:	16.76 bbl	Tool Chased		3.00 ft
Drill Pipe Above KB:		21.00 ft					String Weight:	Initial	76000.00 lb
Depth to Top Packer:		3416.00 ft						Final	78000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		9.00 ft							
Tool Length:		37.00 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			3389.00		
Shut In Tool	5.00			3394.00		
Hydraulic tool	5.00			3399.00		
Jars	5.00			3404.00		
Safety Joint	3.00			3407.00		
Packer	4.00			3411.00	28.00	Bottom Of Top Packer
Packer	5.00			3416.00		
Stubb	1.00			3417.00		
Recorder	0.00	8167	Inside	3417.00		
Recorder	0.00	8357	Inside	3417.00		
Perforations	3.00			3420.00		
Bullnose	5.00			3425.00	9.00	Bottom Packers & Anchor
Total Tool Length:	**37.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Rupe Oil Co Inc

PO Box 783010
Wichita KS 67287

ATTN: Paul C. /Glen Rupe

Woodruff#1

17 25 5 Reno KS

Job Ticket: 30121 **DST#: 1**

Test Start: 2007.12.18 @ 10:23:09

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:	12100 ppm
Viscosity:	41.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.39 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	12100.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

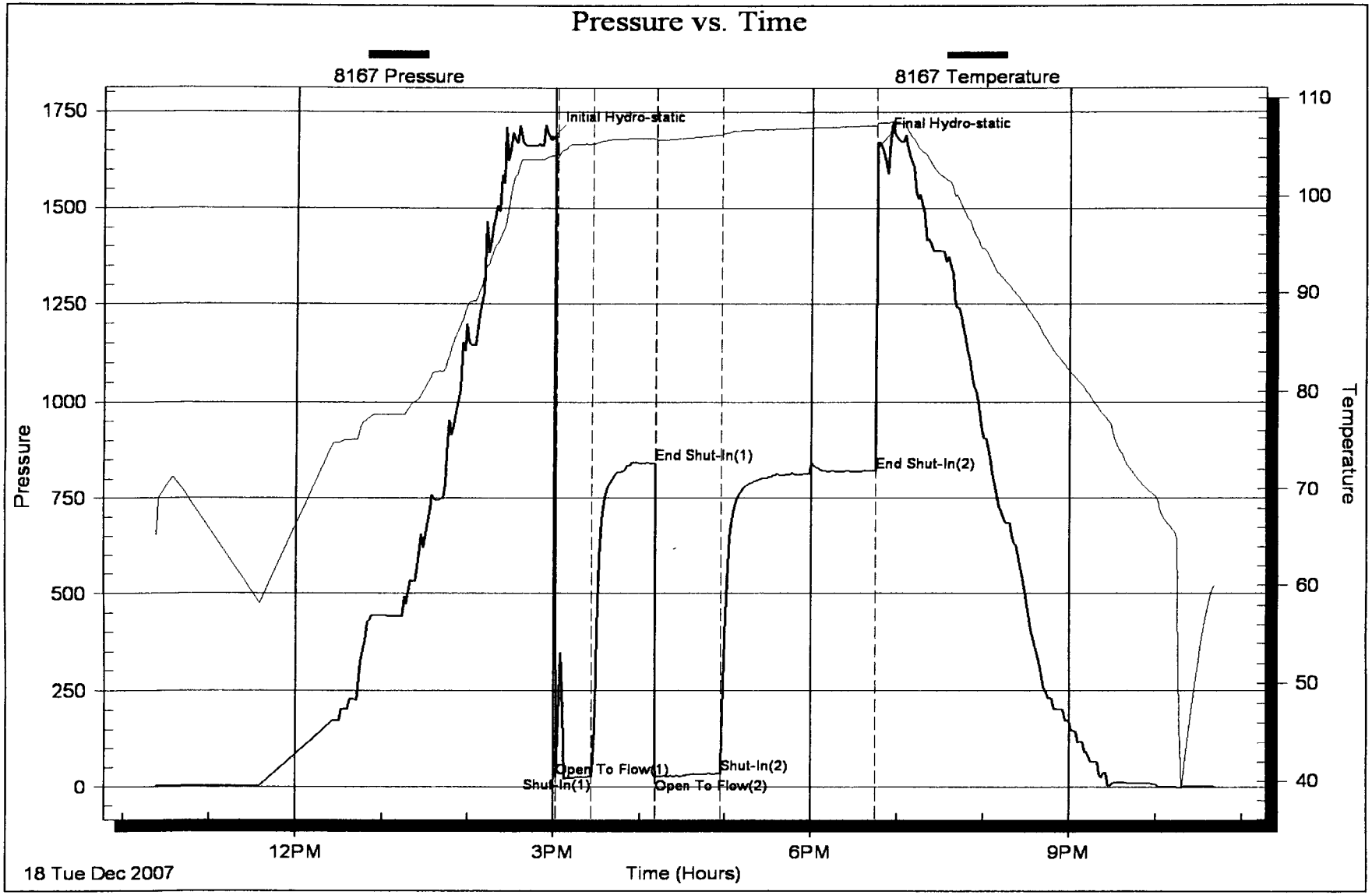
Length ft	Description	Volume bbl
35.00	SGCM 4%G 96%M	0.172
0.00	600 ft.of GIP	0.000

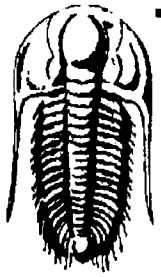
Total Length: 35.00 ft Total Volume: 0.172 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8167 Pressure
8167 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Shut-In(2)
Open To Flow(2)
Pressure
Temperature
1750
1500
1250
1000
750
500
250
0
110
100
90
80
70
60
50
40
12PM
3PM
6PM
9PM
18 Tue Dec 2007
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Rupe Oil Co Inc**

PO Box 783010
Wichita KS 67287

ATTN: Paul C. /Glen Rupe

17 25 5 Reno KS

Woodruff#1

Start Date: 2007.12.21 @ 03:40:49

End Date: 2007.12.21 @ 17:00:19

Job Ticket #: 29868 DST #: 2

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Rupe Oil Co Inc

PO Box 783010
Wichita KS 67287

ATTN: Paul C. /Glen Rupe

Woodruff#1

17 25 5 Reno KS

Job Ticket: 29868 **DST#: 2**

Test Start: 2007.12.21 @ 03:40:49

GENERAL INFORMATION:

Formation: **Viola**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:32:19
Time Test Ended: 17:00:19

Test Type: Conventional Bottom Hole
Tester: Leal Cason
Unit No: 24

Interval: 3784.00 ft (KB) To 3816.00 ft (KB) (TVD)
Total Depth: 3816.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

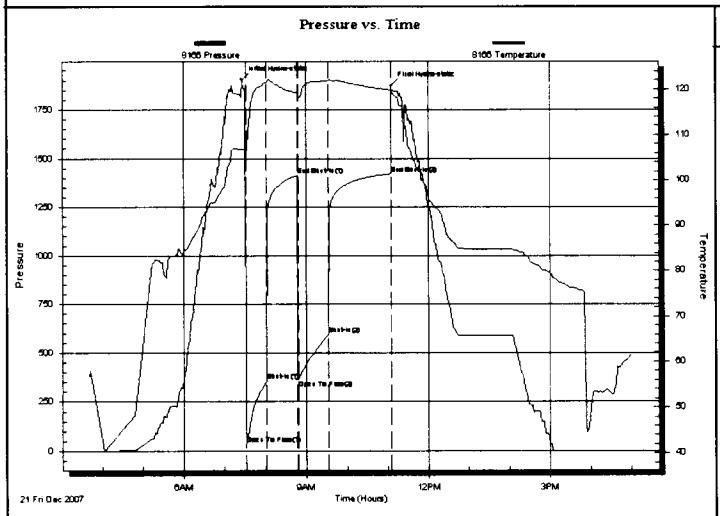
Reference Elevations: 1484.00 ft (KB)
1479.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8166 **Inside**

Press@RunDepth: 591.99 psig @ 3785.00 ft (KB)
Start Date: 2007.12.21 End Date: 2007.12.21
Start Time: 03:40:54 End Time: 17:00:19

Capacity: 7000.00 psig
Last Calib.: 2007.12.21
Time On Btm: 2007.12.21 @ 07:25:59
Time Off Btm: 2007.12.21 @ 11:05:39

TEST COMMENT: IF Strong Blow BOB in 6 min
ISI Bled Off No Blow back
FF Strong Blow BOB in 7 min
FSI Bled Off No Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1903.90	106.79	Initial Hydro-static
7	34.70	105.86	Open To Flow (1)
37	357.26	121.38	Shut-In(1)
82	1411.88	119.14	End Shut-In(1)
82	363.25	118.79	Open To Flow (2)
127	591.99	121.78	Shut-In(2)
220	1421.38	119.75	End Shut-In(2)
220	1871.37	119.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1414.00	SW	15.67
35.00	SOMCW 2%O 46%M 52%W	0.49

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Rupe Oil Co Inc

PO Box 783010
Wichita KS 67287

ATTN: Paul C. /Glen Rupe

Woodruff#1

17 25 5 Reno KS

Job Ticket: 29868 **DST#: 2**

Test Start: 2007.12.21 @ 03:40:49

Tool Information

Drill Pipe:	Length:	3328.00 ft	Diameter:	3.80 inches	Volume:	46.68 bbl	Tool Weight:		2100.00 lb
Heavy Wt. Pipe:	Length:	ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		20000.00 lb
Drill Collar:	Length:	457.00 ft	Diameter:	2.25 inches	Volume:	2.25 bbl	Weight to Pull Loose:		10000.00 lb
					Total Volume:	48.93 bbl	Tool Chased		ft
Drill Pipe Above KB:		30.00 ft					String Weight:	Initial	80000.00 lb
Depth to Top Packer:		3784.00 ft						Final	840000.0 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		32.00 ft							
Tool Length:		61.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Circulating sub	1.00			3756.00		
Change Over Sub	1.00			3757.00		
Shut In Tool	5.00			3762.00		
Hydraulic tool	5.00			3767.00		
Jars	5.00			3772.00		
Safety Joint	3.00			3775.00		
Packer	5.00			3780.00	29.00	Bottom Of Top Packer
Packer	4.00			3784.00		
Stubb	1.00			3785.00		
Recorder	0.00	8166	Inside	3785.00		
Recorder	0.00	8356	Outside	3785.00		
Perforations	28.00			3813.00		
Bullnose	3.00			3816.00	32.00	Bottom Packers & Anchor
Total Tool Length:	**61.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Rupe Oil Co Inc

PO Box 783010
Wichita KS 67287

ATTN: Paul C. /Glen Rupe

Woodruff#1

17 25 5 Reno KS

Job Ticket: 29868 **DST#: 2**

Test Start: 2007.12.21 @ 03:40:49

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	10.00 lb/gal	Cushion Length:	ft	Water Salinity:	35000 ppm
Viscosity:	48.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	15.98 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	15800.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

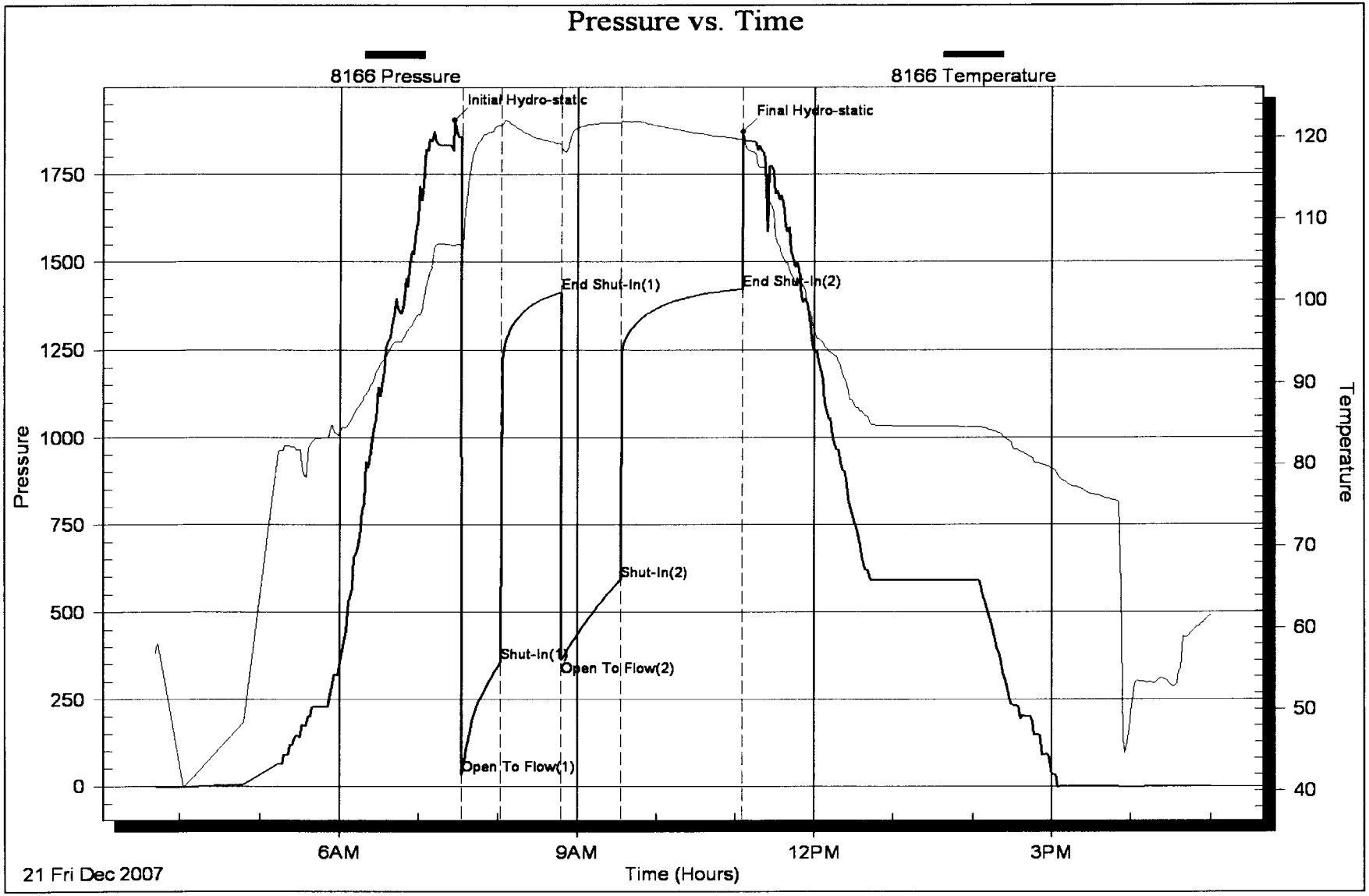
Length ft	Description	Volume bbl
1414.00	SW	15.672
35.00	SOMCW 2%O 46%M 52%W	0.491

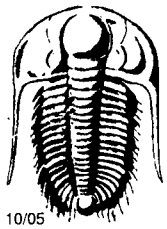
Total Length: 1449.00 ft Total Volume: 16.163 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8166 Pressure
8166 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(2)
Shut-In(1)
Open To Flow(2)
Open To Flow(1)
Pressure
Temperature
1750
1500
1250
1000
750
500
250
0
120
110
100
90
80
70
60
50
40
6AM
9AM
12PM
3PM
21 Fri Dec 2007
Time (Hours)



10/05

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

30121

11 063

RECEIVED
DEC 27 2007

BY: _____

Test Ticket

Well Name & No. Woodruff #1 Test No. 1 Date 12-18-07

Company Rupe Oil Co Inc. Zone Tested Miss.

Address P.O. Box 783010, Wichita Ks. 67278 Elevation 1484 KB 1479 GL

Co. Rep / Geo. Paul Carageannis Rig A & A Drlg.

Location: Sec. 17 Twp. 25S Rge. 5W Co. Reno State Ks.

Comment: _____ Release date / time: _____

Interval Tested 3416 — 3425' Initial Str Wt./Lbs. 74,000 Unseated Str Wt/Lbs. 78,000

Anchor Length 9' Wt. Set Lbs. 26,000 Wt. Pulled Loose/Lbs. 150,000

Top Packer Depth 3411' Tool Weight 2100 ± _____

Bottom Packer Depth 3416' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓

Total Depth 3425' Wt. Pipe Run None Drill Collar Run 480'

Mud Wt. 9.2 LCM 0 Vis. 41 WL 10.4cc Drill Pipe Size 4 1/2" Ft. Run 2929

Blow Description IF: Weak blow ~~1/2"~~ Blow increase to 3".

ISI: No blow

FF: Fair to strong blow. B.O.B. in 15 mins. FSI: Weak blow. 1/2 - 1".

Recovery - Total Feet 35 GIP 600 Ft. in DC 35 Ft. in DP 0

Rec. 35 Feet of SGCM 4 %gas %oil %water 96 %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 107 °F Gravity N/A °API D @ ~ °F Corrected Gravity N/A °API

RW N.C. @ ~ °F Chlorides 12,100 ppm Recovery _____ Chlorides 12,100 ppm System

	AK-1 Alpine				
(A)Initital Hydrostatic Mud	1682 PSI	Recorder No.	8167	Test ✓	1100
(B) First Initial Flow Pressure	27 PSI	(depth)	3416'	Jars ✓	250
(C) First Final Flow Pressure	27 PSI	Recorder No.	8357	Safety Jt. ✓	75
(D) Initial Shut-In Pressure	840 PSI	(depth)	3416'	Circ Sub	
(E) Second Initial Flow Pressure	25 PSI	Recorder No.	~	Sampler	
(F) Second Final Flow Pressure	35 PSI	(depth)	~	Straddle	
(G) Final Shut-In Pressure	820 PSI	**Initial Opening**	30	Ext. Packer	
(Q) Final Hydrostatic Mud	1667 PSI	Initial Shut-In	45	Shale Packer	
		Final Flow	45	Ruined Packer	
		Final Shut-In	105	Mileage (1) ✓	137.50
		T-On Location	0604	Sub Total:	1562.50
		T-Started	1023	Std. By 1.0 ✓	700.00
		T-Open	1501	Acc. Chg:	
		T-Pulled	1846	Other:	
		T-Out	2241	Total:	✓ 2262.50

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 _____

Our Representative Corey Thomas

29868

RECEIVED
DEC 31 2007
BY:

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

10/05

Test Ticket

Well Name & No. #1 Woodruff Test No. 2 Date 12/21/07

Company Rupe Oil Co. Zone Tested Viola

Address PO BOX 783010 Wichita KS 67278 Elevation 14 KB 1479 GL

Co. Rep / Geo. Paul Carageannis Rig A&A Rig #1

Location: Sec. 17 Twp. 25S Rge. 05 W Co. Reno State KS

Comment: waited on Geo until ~~1645~~ 17:45 Release date / time:

Interval Tested 3784 — 3816 Initial Str Wt./Lbs. 80000 Unseated Str Wt/Lbs. 84000

Anchor Length 32 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 10000

Top Packer Depth 3780 Tool Weight 2100

Bottom Packer Depth 3784 Hole Size 7 7/8" V Rubber Size 6 3/4" V

Total Depth 3816 Wt. Pipe Run 0 Drill Collar Run 457

Mud Wt. 9.6 LCM Vis. 48 WL 16.0 Drill Pipe Size ~~4 1/2~~ 4 1/2 Ft. Run 3328

Blow Description IF: Strong Blow, BOB in 6 minutes
ISI: Bled off, No Blowback
FF: Strong Blow, BOB in 7 minutes
FSI: Bled off, No Blowback

Recovery - Total Feet 1449 GIP Ft. in DC 457 Ft. in DP 992

Rec. 35	Feet of SOMCW	%gas	2 %oil	52 %water	46 %mud
Rec. 1414	Feet of Salty water	%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 120 °F Gravity °API D @ °F Corrected Gravity °API

RW .38 @ 53 °F Chlorides 35000 ppm Recovery Chlorides 15800 ppm System

	AK-1 Alpine				
(A) Initial Hydrostatic Mud	1904 PSI	Recorder No.	8166	Test V	1100
(B) First Initial Flow Pressure	35 PSI	(depth)	3785	Jars V	250
(C) First Final Flow Pressure	357 PSI	Recorder No.	8356	Safety Jt. V	75
(D) Initial Shut-In Pressure	1412 PSI	(depth)	3785	Circ Sub	
(E) Second Initial Flow Pressure	363 PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure	592 PSI	(depth)		Straddle	
(G) Final Shut-In Pressure	1421 PSI	**Initial Opening**	30	Ext. Packer	
(Q) Final Hydrostatic Mud	1871 PSI	Initial Shut-In	45	Shale Packer	
		Final Flow	45	Ruined Packer	
		Final Shut-In	90	Mileage 1107	137.50
		T-On Location	03:30	Sub Total:	1562.50
		T-Started	03:40	Std. By 4.5	450
		T-Open	09:32	Acc. Chg:	
		T-Pulled	11:05	Other:	
		T-Out	17:00	Total:	2012.50

13:30

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Approved By

Our Representative