



DRILL STEM TEST REPORT

Prepared For: **Norstar Petroleum, Inc.**

88 Inverness Cir, E Unit F 104
Englewood, CO 80112-5514

ATTN: Bob Elder

Epard #2-33

33-10s-34w Thomas,KS

Start Date: 2013.06.23 @ 10:05:00

End Date: 2013.06.23 @ 17:48:45

Job Ticket #: 53079 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.06.26 @ 15:27:50



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Norstar Petroleum, Inc.

33-10s-34w Thomas,KS

88 Inverness Cir, E Unit F 104
Englewood, CO 80112-5514

Epard #2-33

Job Ticket: 53079

DST#: 1

ATTN: Bob Elder

Test Start: 2013.06.23 @ 10:05:00

GENERAL INFORMATION:

Formation: **Kansas City "H-J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:25:00

Time Test Ended: 17:48:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Jace McKinney

Unit No: 46

Interval: 4310.00 ft (KB) To 4392.00 ft (KB) (TVD)

Reference Elevations: 3266.00 ft (KB)

Total Depth: 4392.00 ft (KB) (TVD)

3261.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8675

Inside

Press @ Run Depth: 275.04 psig @ 4311.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.06.23

End Date:

2013.06.23

Last Calib.:

2013.06.23

Start Time: 10:05:15

End Time:

17:48:45

Time On Btm:

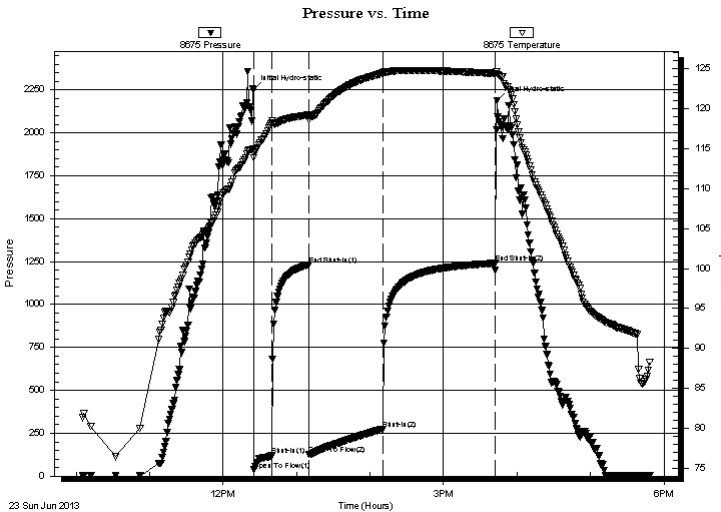
2013.06.23 @ 12:24:45

Time Off Btm:

2013.06.23 @ 15:43:30

TEST COMMENT: Built to 11" blow
Bled off for 4 min. No return blow
B.O.B. in 20 min
Bled off for 5 min. No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2250.88	114.98	Initial Hydro-static
1	36.51	113.85	Open To Flow (1)
15	119.32	118.23	Shut-In(1)
46	1232.45	119.19	End Shut-In(1)
46	126.75	118.60	Open To Flow (2)
106	275.04	124.40	Shut-In(2)
198	1240.14	124.37	End Shut-In(2)
199	2186.93	124.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
249.00	100% Water	2.37
189.00	mcw 30%M 70%W	2.65
108.00	w cm 40%W 60%M w ith oil scum	1.51

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Norstar Petroleum, Inc.

33-10s-34w Thomas,KS

88 Inverness Cir, E Unit F 104
Englewood, CO 80112-5514

Epard #2-33

Job Ticket: 53079

DST#: 1

ATTN: Bob Elder

Test Start: 2013.06.23 @ 10:05:00

Tool Information

Drill Pipe:	Length: 4190.30 ft	Diameter: 3.80 inches	Volume: 58.78 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 123.17 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 88000.00 lb
			<u>Total Volume: 59.39 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.97 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4310.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	82.00 ft			
Tool Length:	109.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4283.50	
Shut In Tool	5.00			4288.50	
Hydraulic tool	5.00			4293.50	
Jars	5.00			4298.50	
Safety Joint	2.50			4301.00	
Packer	5.00			4306.00	27.50 Bottom Of Top Packer
Packer	4.00			4310.00	
Stubb	1.00			4311.00	
Recorder	0.00	8675	Inside	4311.00	
Recorder	0.00	8650	Outside	4311.00	
Perforations	13.00			4324.00	
Change Over Sub	1.00			4325.00	
Drill Pipe	63.00			4388.00	
Change Over Sub	1.00			4389.00	
Bullnose	3.00			4392.00	82.00 Bottom Packers & Anchor

Total Tool Length: 109.50



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Norstar Petroleum, Inc.

33-10s-34w Thomas,KS

88 Inverness Cir, E Unit F 104
Englewood, CO 80112-5514

Epard #2-33

Job Ticket: 53079

DST#: 1

ATTN: Bob Elder

Test Start: 2013.06.23 @ 10:05:00

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: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
249.00	100% Water	2.371
189.00	mcw 30%M 70%W	2.651
108.00	w cm 40%W 60%M w ith oil scum	1.515

Total Length: 546.00 ft Total Volume: 6.537 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW 0.1 @ 100 F = 50,000

Serial #: 8675

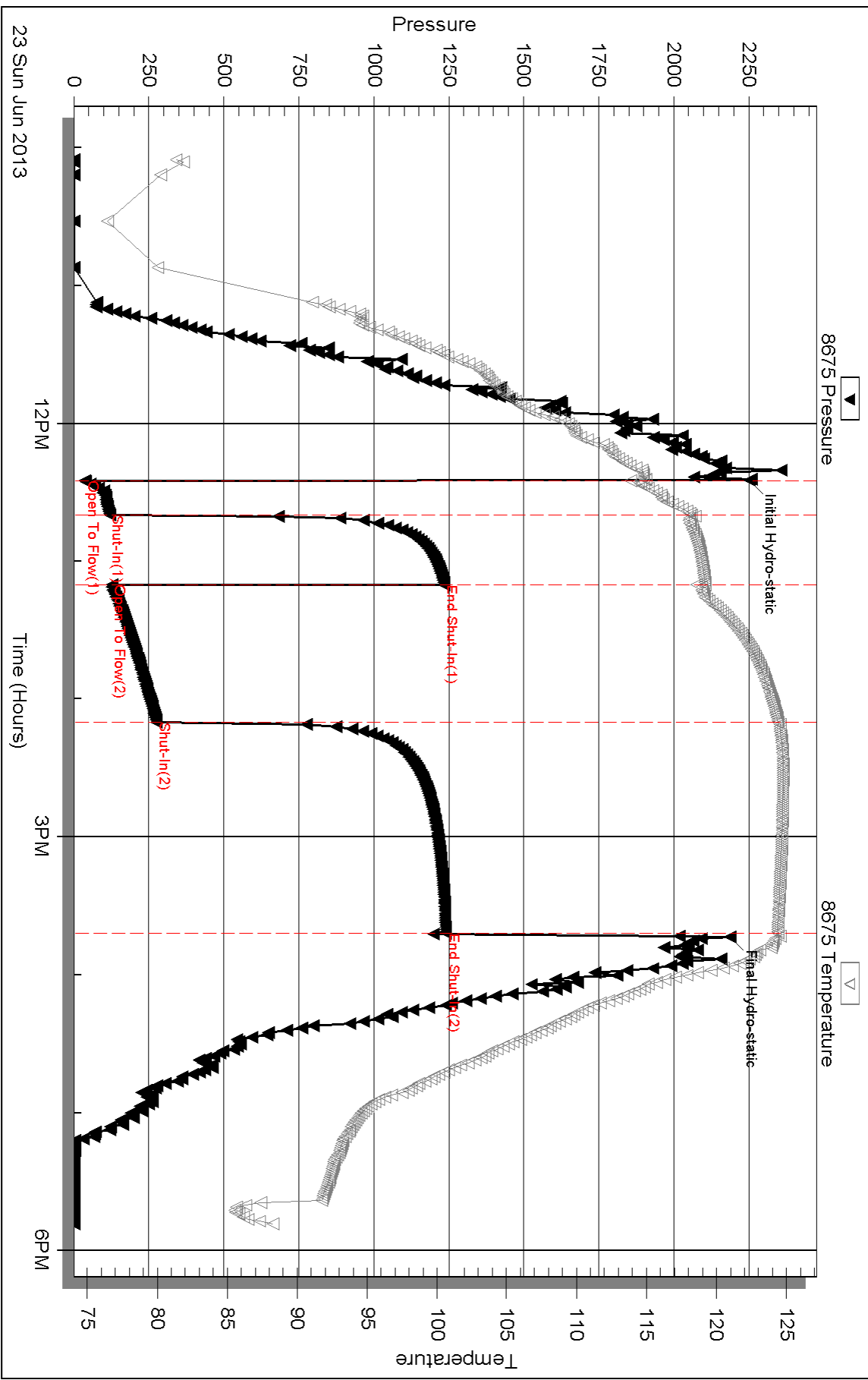
Inside

Norstar Petroleum, Inc.

Epard #2-33

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 53079

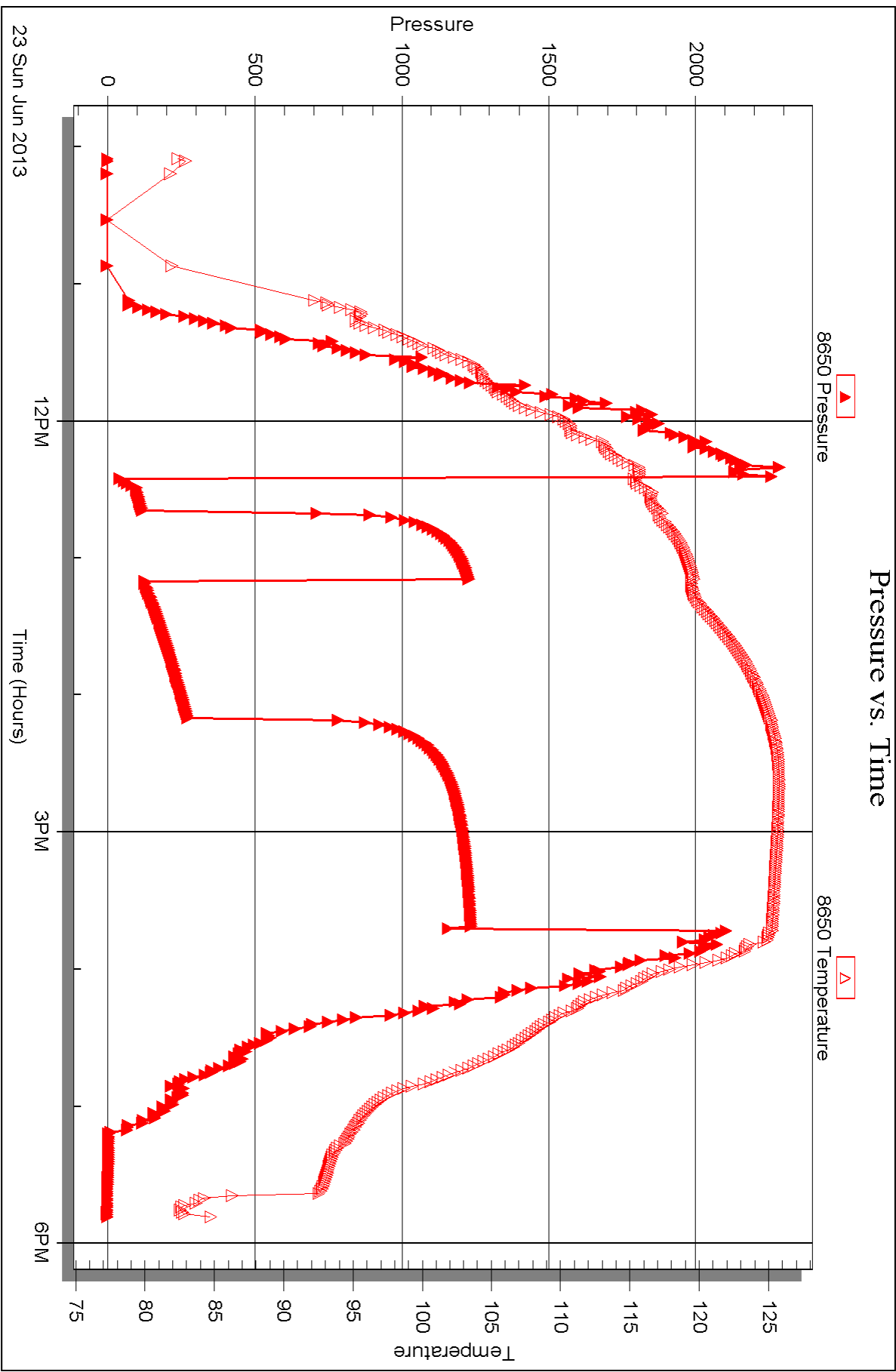
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Serial #: 8650

Outside Norstar Petroleum, Inc.

Epard #2-33

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 53079

Printed: 2013.06.26 @ 15:27:54



DRILL STEM TEST REPORT

Prepared For: **Norstar Petroleum, Inc.**

88 Inverness Cir, E Unit F 104
Englewood, CO 80112-5514

ATTN: Bob Elder

Epard #2-33

33-10s-34w Thomas,KS

Start Date: 2013.06.24 @ 03:25:00

End Date: 2013.06.24 @ 09:37:15

Job Ticket #: 53080 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.06.26 @ 15:27:02

Norstar Petroleum, Inc.

33-10s-34w Thomas,KS

Epard #2-33

DST # 2

Kansas City " K "

2013.06.24



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Norstar Petroleum, Inc.
 88 Inverness Cir, E Unit F 104
 Englewood, CO 80112-5514
 ATTN: Bob Elder

33-10s-34w Thomas, KS
Epard #2-33
 Job Ticket: 53080 **DST#: 2**
 Test Start: 2013.06.24 @ 03:25:00

GENERAL INFORMATION:

Formation: **Kansas City " K "**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:16:15
 Time Test Ended: 09:37:15
 Interval: **4397.00 ft (KB) To 4426.00 ft (KB) (TVD)**
 Total Depth: 4426.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jace McKinney
 Unit No: 46
 Reference Elevations: 3266.00 ft (KB)
 3261.00 ft (CF)
 KB to GR/CF: 5.00 ft

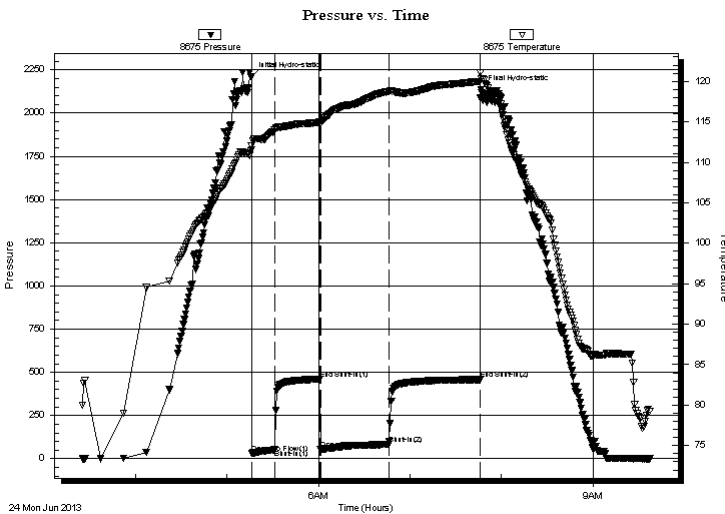
Serial #: 8675

Inside

Press @ Run Depth: 84.01 psig @ 4398.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.06.24 End Date: 2013.06.24 Last Calib.: 2013.06.24
 Start Time: 03:25:15 End Time: 09:37:15 Time On Btm: 2013.06.24 @ 05:16:00
 Time Off Btm: 2013.06.24 @ 07:46:45

TEST COMMENT: Built to 2 1/4" blow
 No return blow
 Built to 1/2" blow
 No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2213.67	112.01	Initial Hydro-static
1	33.36	111.57	Open To Flow (1)
15	52.52	113.95	Shut-In(1)
45	460.74	114.95	End Shut-In(1)
46	55.06	114.84	Open To Flow (2)
90	84.01	118.75	Shut-In(2)
150	458.31	119.99	End Shut-In(2)
151	2135.50	120.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
140.00	w cm with oil scum 20%W 80%M	0.84

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Norstar Petroleum, Inc.

33-10s-34w Thomas,KS

88 Inverness Cir, E Unit F 104
Englewood, CO 80112-5514

Epard #2-33

Job Ticket: 53080

DST#: 2

ATTN: Bob Elder

Test Start: 2013.06.24 @ 03:25:00

Tool Information

Drill Pipe:	Length: 4253.35 ft	Diameter: 3.80 inches	Volume: 59.66 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 123.17 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 60.27 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.02 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4397.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	56.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4370.50	
Shut In Tool	5.00			4375.50	
Hydraulic tool	5.00			4380.50	
Jars	5.00			4385.50	
Safety Joint	2.50			4388.00	
Packer	5.00			4393.00	27.50 Bottom Of Top Packer
Packer	4.00			4397.00	
Stubb	1.00			4398.00	
Recorder	0.00	8675	Inside	4398.00	
Recorder	0.00	8650	Outside	4398.00	
Perforations	25.00			4423.00	
Change Over Sub	0.00			4423.00	
Drill Pipe	0.00			4423.00	
Change Over Sub	0.00			4423.00	
Bullnose	3.00			4426.00	29.00 Bottom Packers & Anchor

Total Tool Length: 56.50



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Norstar Petroleum, Inc.

33-10s-34w Thomas,KS

88 Inverness Cir, E Unit F 104
Englewood, CO 80112-5514

Epard #2-33

Job Ticket: 53080

DST#: 2

ATTN: Bob Elder

Test Start: 2013.06.24 @ 03:25:00

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: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
140.00	w cm w ith oil scum 20%W 80%M	0.842

Total Length: 140.00 ft Total Volume: 0.842 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

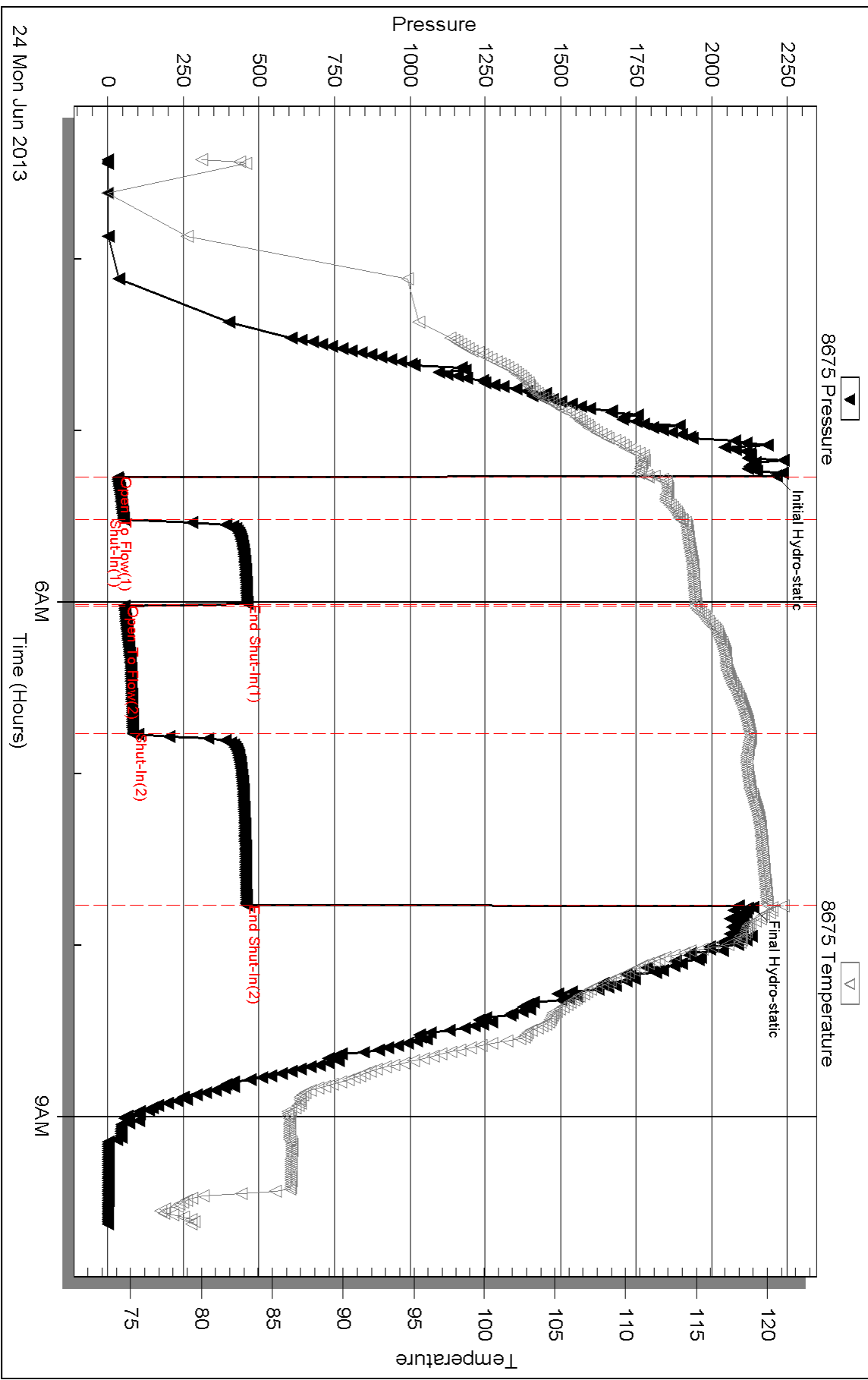
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .20 @ 80 F = 30,000

Pressure vs. Time

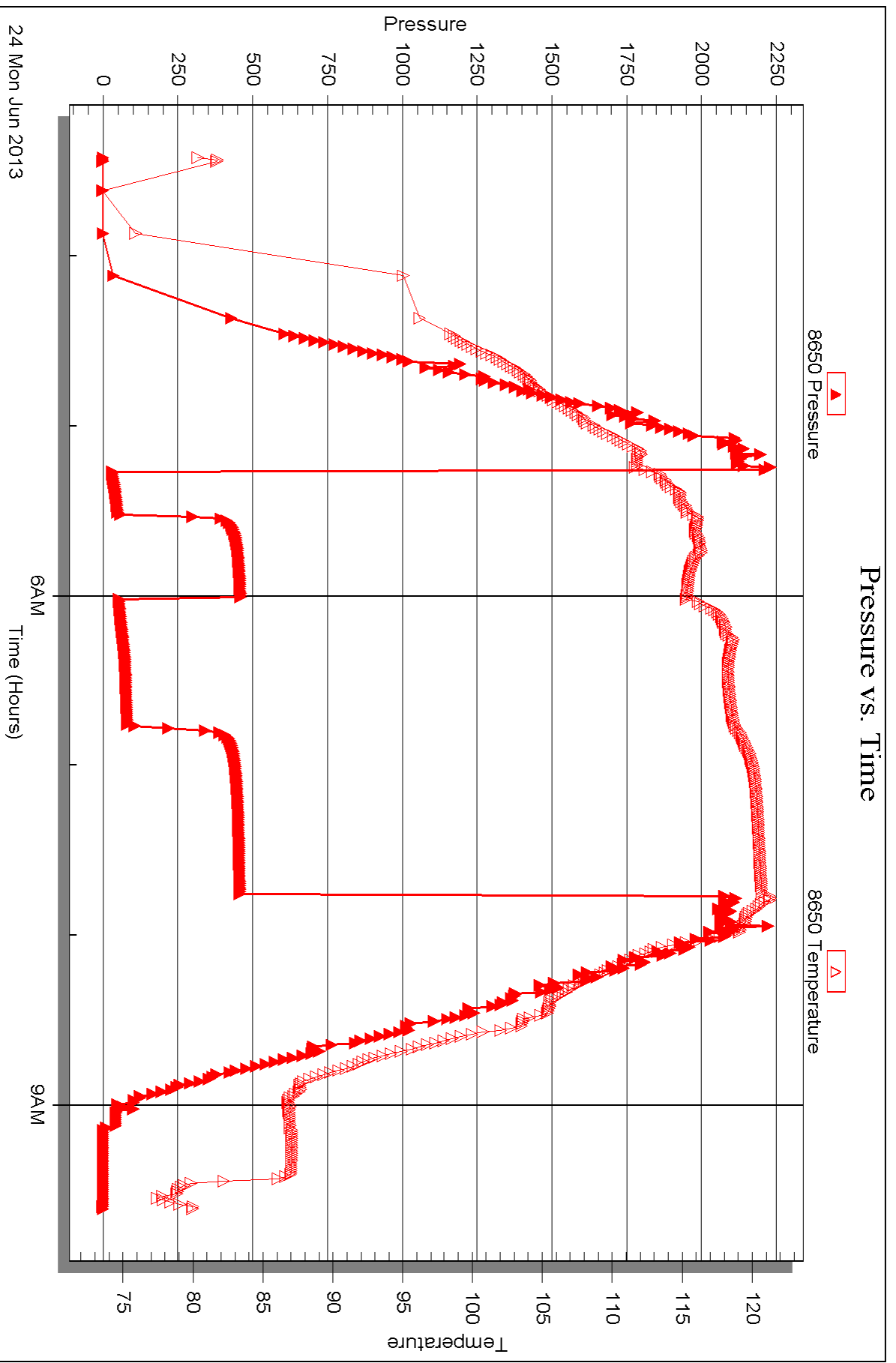


Serial #: 8650

Outside Norstar Petroleum, Inc.

Epard #2-33

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 53080

Printed: 2013.06.26 @ 15:27:06



DRILL STEM TEST REPORT

Prepared For: **Norstar Petroleum, Inc.**

88 Inverness Cir, E Unit F 104
Englewood, CO 80112-5514

ATTN: Bob Elder

Epard #2-33

33-10s-34w Thomas,KS

Start Date: 2013.06.25 @ 19:45:00

End Date: 2013.06.26 @ 01:09:45

Job Ticket #: 53081 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.06.26 @ 15:25:07



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Norstar Petroleum, Inc.

33-10s-34w Thomas,KS

88 Inverness Cir, E Unit F 104
Englewood, CO 80112-5514

Epard #2-33

Job Ticket: 53081

DST#: 3

ATTN: Bob Elder

Test Start: 2013.06.25 @ 19:45:00

GENERAL INFORMATION:

Formation: **Johnson Zone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:29:15

Time Test Ended: 01:09:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

Interval: 4706.00 ft (KB) To 4758.00 ft (KB) (TVD)

Reference Elevations: 3266.00 ft (KB)

Total Depth: 4758.00 ft (KB) (TVD)

3261.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8675 Inside

Press @ Run Depth: 60.00 psig @ 4707.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.06.25

End Date:

2013.06.26

Last Calib.:

2013.06.26

Start Time: 19:45:15

End Time:

01:09:45

Time On Btm:

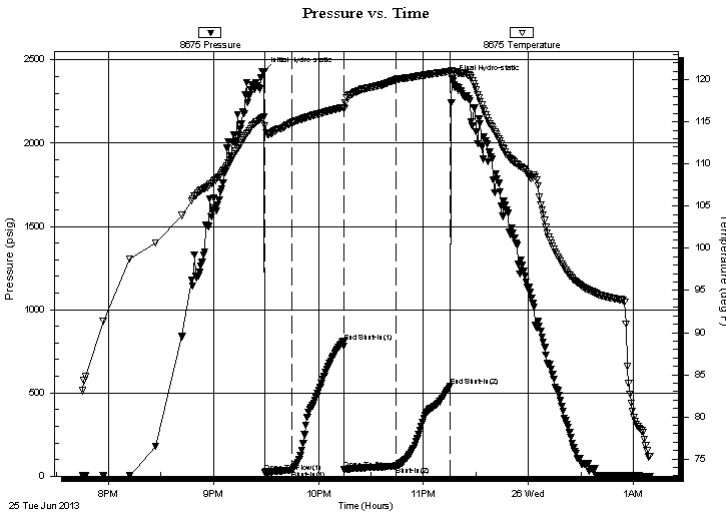
2013.06.25 @ 21:29:00

Time Off Btm:

2013.06.25 @ 23:16:30

TEST COMMENT: Built to 1/2" blow
No return blow
No blow
No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2429.03	115.59	Initial Hydro-static
1	22.83	114.57	Open To Flow (1)
16	36.29	114.86	Shut-In(1)
46	808.38	116.73	End Shut-In(1)
46	39.63	116.54	Open To Flow (2)
76	60.00	120.04	Shut-In(2)
107	540.51	121.01	End Shut-In(2)
108	2384.82	121.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	100% Mud	0.32

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Norstar Petroleum, Inc.

33-10s-34w Thomas,KS

88 Inverness Cir, E Unit F 104
Englewood, CO 80112-5514

Epard #2-33

Job Ticket: 53081

DST#: 3

ATTN: Bob Elder

Test Start: 2013.06.25 @ 19:45:00

Tool Information

Drill Pipe:	Length: 4571.96 ft	Diameter: 3.80 inches	Volume: 64.13 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 123.17 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 64.74 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.63 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4706.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.00 ft			
Tool Length:	79.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4679.50	
Shut In Tool	5.00			4684.50	
Hydraulic tool	5.00			4689.50	
Jars	5.00			4694.50	
Safety Joint	2.50			4697.00	
Packer	5.00			4702.00	27.50 Bottom Of Top Packer
Packer	4.00			4706.00	
Stubb	1.00			4707.00	
Recorder	0.00	8675	Inside	4707.00	
Recorder	0.00	8650	Outside	4707.00	
Perforations	14.00			4721.00	
Change Over Sub	1.00			4722.00	
Drill Pipe	32.00			4754.00	
Change Over Sub	1.00			4755.00	
Bullnose	3.00			4758.00	52.00 Bottom Packers & Anchor

Total Tool Length: 79.50



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Norstar Petroleum, Inc.

33-10s-34w Thomas,KS

88 Inverness Cir, E Unit F 104
Englewood, CO 80112-5514

Epard #2-33

Job Ticket: 53081

DST#: 3

ATTN: Bob Elder

Test Start: 2013.06.25 @ 19:45:00

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: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 12.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	100% Mud	0.320

Total Length: 65.00 ft Total Volume: 0.320 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8675

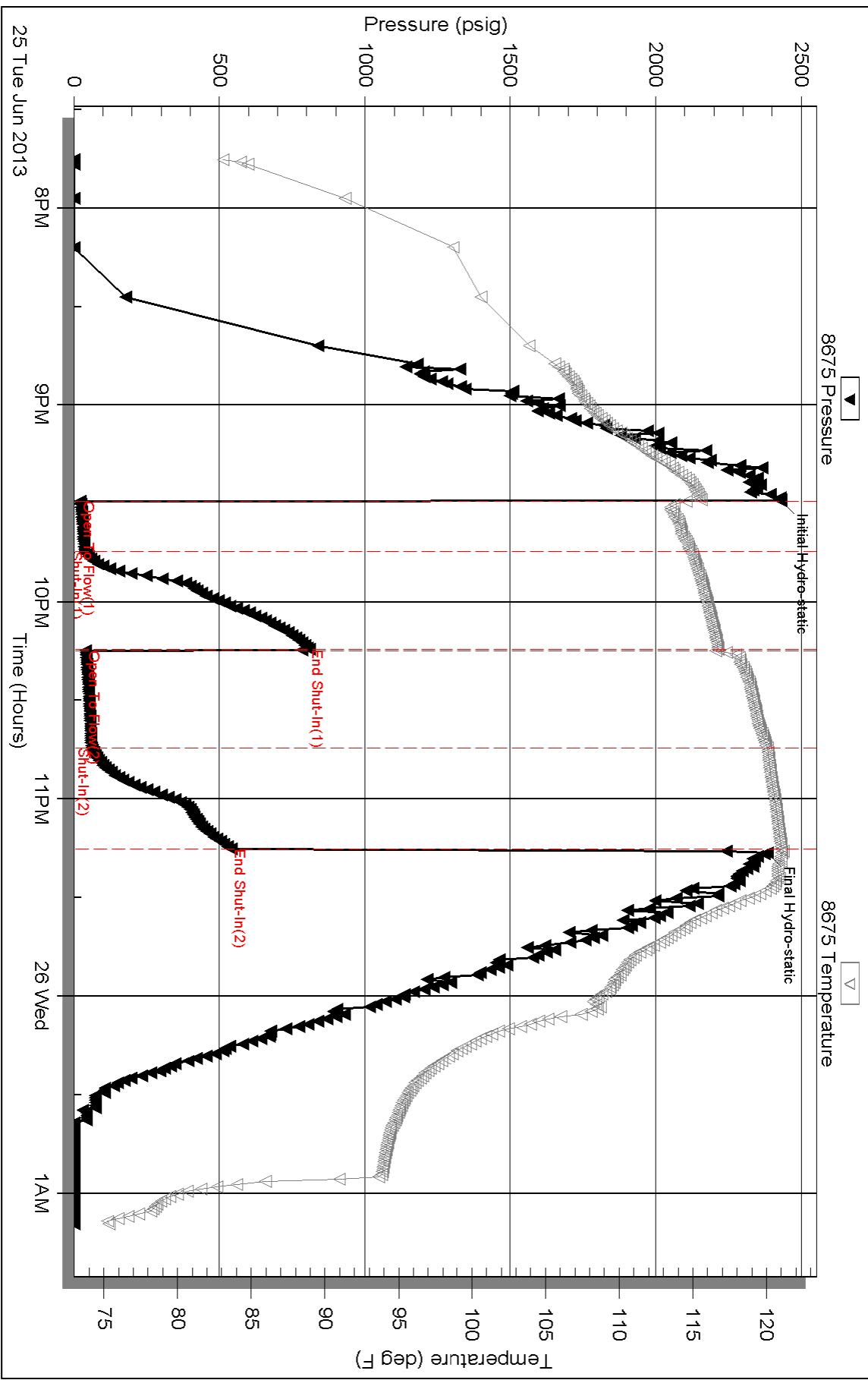
Inside

Norstar Petroleum, Inc.

Epard #2-33

DST Test Number: 3

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 53081

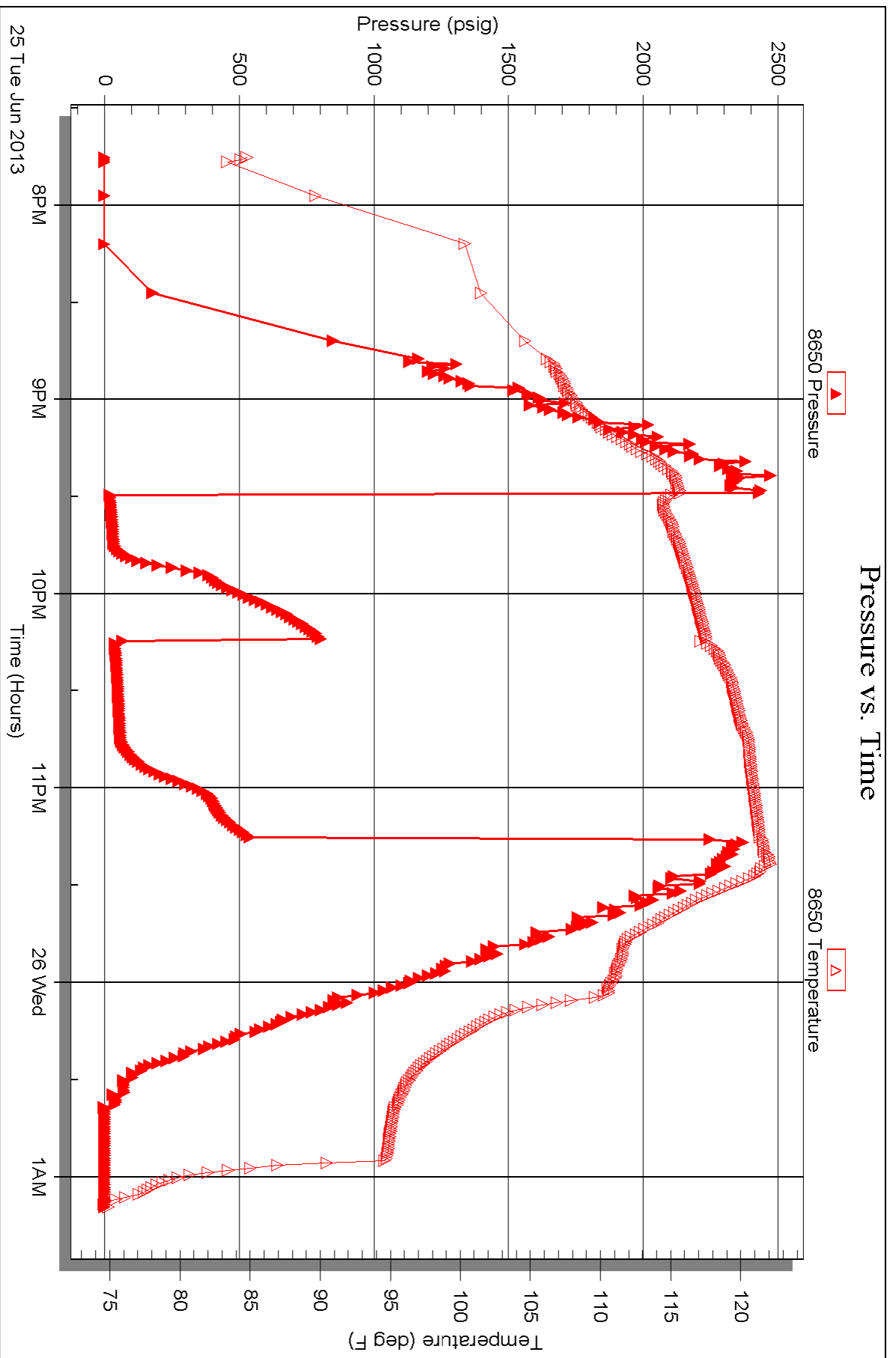
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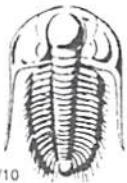
Serial #: 8650

Outside Norstar Petroleum, Inc.

Epard #2-33

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53079

Well Name & No. Edward # 2-33 Test No. 1 Date 8/23/13
 Company Norstar Petroleum Inc Elevation 3266 KB 3261 GL
 Address 88 Inverness Cir. E Unit F104 Englewood Co. 80112-5514
 Co. Rep / Geo. Bob Elder Rig WOW Rig 8
 Location: Sec. 33 Twp. 10S Rge. 34W Co. Thomas Co. State KS

Interval Tested 4310 - 4392 Zone Tested Kansas City "A, I, J"
 Anchor Length 82 Drill Pipe Run 4190.30 Mud Wt. 9.2
 Top Packer Depth 4306 Drill Collars Run 123.17 Vis 64
 Bottom Packer Depth 4310 Wt. Pipe Run _____ WL 8.8
 Total Depth 4392 Chlorides 6,500 ppm System LCM 1#

Blow Description Built to 11" below
Bled off for 4 min. no return below
B.O.B. in 20 min.

Bled off for 5 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>108</u>	<u>WOCM with oil scum</u>		<u>40</u>	<u>60</u>	
<u>189</u>	<u>MCW</u>		<u>70</u>	<u>30</u>	
<u>249</u>	<u>water</u>		<u>100</u>		
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

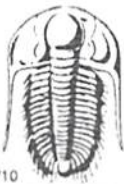
Rec Total 546 BHT 125 Gravity _____ API RW .1 @ 100 °F Chlorides 50,000 ppm

(A) Initial Hydrostatic 2,251 Test 1250 T-On Location 8:25
 (B) First Initial Flow 37 Jars 250 T-Started 10:05
 (C) First Final Flow 119 Safety Joint 75 T-Open 12:25
 (D) Initial Shut-In 1,232 Circ Sub w/c T-Pulled 15:40
 (E) Second Initial Flow 127 Hourly Standby _____ T-Out 17:45
 (F) Second Final Flow 275 Mileage 130 RT 201.50 Comments _____
 (G) Final Shut-In 1,240 Sampler _____
 (H) Final Hydrostatic 2,187 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____

Initial Open 15 Extra Packer _____ Extra Copies _____
 Initial Shut-In 30 Extra Recorder _____ Sub Total 0
 Final Flow 60 Day Standby _____ Total 1776.50
 Final Shut-In 90 Accessibility _____ MP/DST Disc't _____
 Sub Total 1776.50

Approved By _____ 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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53080

Well Name & No. Epard # 2-33 Test No. 2 Date 6/24/13
 Company Norstar Petroleum, Inc Elevation 3266 KB 3266 GL
 Address 88 Inverness Cir. E Unit F104 Englewood CO 80112-5514
 Co. Rep / Geo. Bob Elder Rig LW Rig 8
 Location: Sec. 33 Twp. 10s Rge. 34w Co. Thomas Co. State K5

Interval Tested 4397 - 4426 Zone Tested Kansas City "K"
 Anchor Length 29 Drill Pipe Run 4253.35 Mud Wt. 9.3
 Top Packer Depth 4393 Drill Collars Run 123.17 Vis 63
 Bottom Packer Depth 4397 Wt. Pipe Run 12 WL 9.2
 Total Depth 4426 Chlorides 6,800 ppm System LCM 1

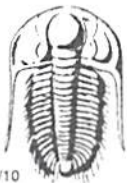
Blow Description Built to 2 1/4" below
No return below
Built to 1/2" below
No return below

Rec	Feet of	%gas	%oil	%water	%mud
<u>140</u>	<u>wcm with oil seam</u>			<u>20</u>	<u>80</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 140 BHT 120 Gravity — API RW 20 @ 80 ° F Chlorides 30,000 ppm
 (A) Initial Hydrostatic 2,214 Test 1250 T-On Location 2:25
 (B) First Initial Flow 33 Jars 250 T-Started 3:25
 (C) First Final Flow 53 Safety Joint 75 T-Open 5:16
 (D) Initial Shut-In 461 Circ Sub N/C T-Pulled 7:46
 (E) Second Initial Flow 55 Hourly Standby _____ T-Out 9:37
 (F) Second Final Flow 84 Mileage 130 BT 201.50
 (G) Final Shut-In 458 Sampler _____
 (H) Final Hydrostatic 2,136 Straddle _____

Initial Open 15 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 30 Shale Packer _____ Ruined Packer _____
 Final Flow 45 Extra Packer _____ Extra Copies _____
 Final Shut-In 60 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1776.50
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1776.50

Approved By _____ 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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53081

Well Name & No. Card # 2-33 Test No. 3 Date 6/25/13 6/26/13
 Company Norstar Petroleum, Inc Elevation 3266 KB 3261 GL
 Address 88 Inverness Cir. E Unit F 104 Englewood CO. 80112-5514
 Co. Rep / Geo. Bole Elder Rig WW Rig 8
 Location: Sec. 33 Twp. 10s Rge. 34w Co. Thomas CO. State K5

Interval Tested 4706-4758 Zone Tested Johnson Zone
 Anchor Length 52 Drill Pipe Run 4571.96 Mud Wt. 9.3
 Top Packer Depth 4702 Drill Collars Run 123.17 Vis 59
 Bottom Packer Depth 4706 Wt. Pipe Run _____ WL 12.4
 Total Depth 4758 Chlorides 8,800 ppm System LCM 1.5

Blow Description Built to 1/2" below
no return below
NO below
No return below

Rec	Feet of	%gas	%oil	%water	%mud
<u>65</u>	<u>Mud</u>			<u>100</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 65 BHT 121 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm
 (A) Initial Hydrostatic 2,429 Test 1250 T-On Location 19:25
 (B) First Initial Flow 23 Jars 250 T-Started 19:45
 (C) First Final Flow 36 Safety Joint 75 T-Open 21:30
 (D) Initial Shut-In 808 Circ Sub N/C T-Pulled 23:15
 (E) Second Initial Flow 40 Hourly Standby ~~10hrs~~ T-Out 01:10
 (F) Second Final Flow 60 Mileage 130 RT 201.50
 (G) Final Shut-In 541 Sampler _____
 (H) Final Hydrostatic 2,385 Straddle _____
 Shale Packer _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby 1d 10h
 Accessibility _____
 Sub Total 1776.50

Initial Open 15
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30

Comments _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 333.33
 Total 2109.83
 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]
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