



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1128036
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1128036

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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 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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Norstar Petroleum, Inc.
Well Name	Barrett Survivors Trust 1
Doc ID	1128036

Tops

Name	Top	Datum
Anhydrite	2816	+473
Topeka	4003	-714
Heebner	4147	-858
Toronto	4173	-884
Lansing	4187	-898
Stark Shale	4412	-1123
Pawnee	4610	-1321
Ft. Scott	4640	-1351
Cherokee Shale	4660	-1371
Johnson	4730	-1451
Mississippi	4844	-1555

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

March 26, 2013

Brady Pfeiffer
Norstar Petroleum, Inc.
88 INVERNESS CIR E. UNIT F104
ENGLEWOOD, CO 80112-5514

Re: ACO1
API 15-193-20883-00-00
Barrett Survivors Trust 1
SW/4 Sec.36-09S-35W
Thomas County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Brady Pfeiffer



257038

TICKET NUMBER 39342
LOCATION Oakley KS
FOREMAN Fuzzy

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT

CEMENT

Table with columns: DATE, CUSTOMER#, WELL NAME & NUMBER, SECTION, TOWNSHIP, RANGE, COUNTY, TRUCK#, DRIVER, etc.

JOB TYPE surface HOLE SIZE 12 1/4 HOLE DEPTH 316' CASING SIZE & WEIGHT 8 5/8
CASING DEPTH 316' DRILL PIPE TUBING OTHER
SLURRY WEIGHT 14.7 SLURRY VOL 1.36 WATER gal/sk 6.5 CEMENT LEFT in CASING 20'
DISPLACEMENT 18.8 DISPLACEMENT PSI MIX PSI RATE

REMARKS: Safety meeting on W-W #8. Pick up and circulate
mix 250sks class 'A' 370cc 270cc Displace 183 1/4 BBL
and shut in
Cement did circulate approx 6 BBLs to pit

THANKS FUZZY & CREW

Table with columns: ACCOUNT CODE, QUANTITY or UNITS, DESCRIPTION of SERVICES or PRODUCT, UNIT PRICE, TOTAL

AUTHORIZATION [Signature]

TITLE DATE

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



CONSOLIDATED
Oil Well Services, LLC

257214

TICKET NUMBER 39397

LOCATION Onley KS

FOREMAN Fuzzy

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3-7-13	5734	Barrett Survivors Trust #1	36	95	35w	Thomas
CUSTOMER Worstar Petroleum		Winona N-Rd G- 16 12w win	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			463	Cory D		
CITY			466	Travis W		
STATE						
ZIP CODE						

JOB TYPE PTA HOLE SIZE 7 7/8 HOLE DEPTH 4890' CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE 4 1/2 TUBING _____ OTHER _____
 SLURRY WEIGHT 14.1 SLURRY VOL 1.40 WATER gal/sk 6.7 CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting on w-w #4 Rig up and plug as ordered
25 sks @ 2837'
100 sks @ 1834' 205 sks 60/40 ufo seal 1/4" close
40 sks @ 365'
10 sks @ 40' w/plug
30 sks in RH

Thanks Fuzzy & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405N	1	PUMP CHARGE	1325 ⁰⁰	1325 ⁰⁰
5406	20	MILEAGE	5 ⁰⁰	100 ⁰⁰
5407	8.8 ton	Ton mileage Delivery (min)	410 ⁰⁰	410 ⁰⁰
1131	205 sks	60/40 pos	15 ¹⁰	3095 ⁵⁰
118B	705 #	Bentonite	125	176 ²⁵
1107	51 #	Flo-seal	282	143 ⁸²
4432	1	8 5/8 wood cup plug	96 ⁰⁰	96 ⁰⁰
		subtotal		5346 ⁵⁷
		less 1090		5346 ⁶⁷
		subtotal		4811 ⁹¹
		SALES TAX		230.72
		ESTIMATED TOTAL		5042.63

completed

Ravin 3737

AUTHORIZATION

TITLE _____

DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



DRILL STEM TEST REPORT

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

88 Inverness CIR E. Unit F104
Englewood, CO 80112

ATTN: Bob Elder

36-9s-35w Thomas,KS

Barrett Survivors Trust #1-36

Start Date: 2013.03.03 @ 13:26:00

End Date: 2013.03.03 @ 19:51:30

Job Ticket #: 46889 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.03.08 @ 14:57:05

Norstar Petroleum, Inc.

Barrett Survivors Trust #1-36

36-9s-35w Thomas,KS

DST # 1

"H-I-J"

2013.03.03



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Norstar Petroleum, Inc.
 88 Inverness CIR E. Unit F104
 Englewood, CO 80112
 ATTN: Bob Elder

Barrett Survivors Trust #1-36
36-9s-35w Thomas,KS
 Job Ticket: 46889 **DST#: 1**
 Test Start: 2013.03.03 @ 13:26:00

GENERAL INFORMATION:

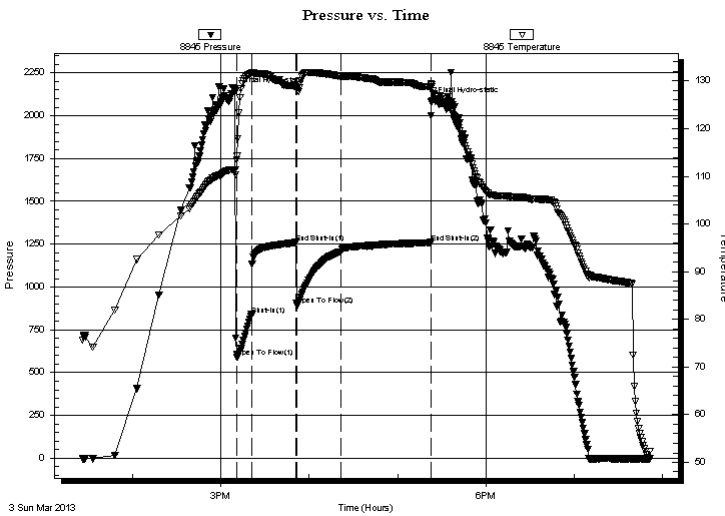
Formation: "H-I-J"
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 15:11:00
 Tester: Sam Esparza
 Time Test Ended: 19:51:30
 Unit No: 64
 Interval: **4320.00 ft (KB) To 4400.00 ft (KB) (TVD)**
 Reference Elevations: 3289.00 ft (KB)
 Total Depth: 4400.00 ft (KB) (TVD)
 3284.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 5.00 ft

Serial #: 8845 Outside
 Press @ Run Depth: 1206.75 psig @ 4321.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.03.03 End Date: 2013.03.03 Last Calib.: 2013.03.03
 Start Time: 13:26:05 End Time: 19:51:29 Time On Btm: 2013.03.03 @ 15:09:45
 Time Off Btm: 2013.03.03 @ 17:23:00

TEST COMMENT: IF: BOB @ 1 min.
 IS: No return.
 FF: BOB @ 1 min.
 FS: No return.

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2139.28	111.37	Initial Hydro-static
2	590.65	114.35	Open To Flow (1)
11	839.11	131.59	Shut-In(1)
42	1260.10	128.85	End Shut-In(1)
42	894.70	128.31	Open To Flow (2)
72	1206.75	130.99	Shut-In(2)
133	1259.50	128.87	End Shut-In(2)
134	2081.52	129.14	Final Hydro-static



Recovery

Length (ft)	Description	Volume (bbl)
2690.00	MW 20m 80w	36.60

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Norstar Petroleum, Inc.

Barrett Survivors Trust #1-36

88 Inverness CIR E. Unit F104
Englewood, CO 80112

36-9s-35w Thomas,KS

Job Ticket: 46889

DST#: 1

ATTN: Bob Elder

Test Start: 2013.03.03 @ 13:26:00

Tool Information

Drill Pipe:	Length: 4193.00 ft	Diameter: 3.80 inches	Volume: 58.82 bbl	Tool Weight:	2000.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	105000.0 lb
			<u>Total Volume: 59.43 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	57000.00 lb
Depth to Top Packer:	4320.00 ft			Final	67000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	80.00 ft				
Tool Length:	108.00 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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Change Over Sub	1.00			4293.00	
Shut In Tool	5.00			4298.00	
Hydraulic tool	5.00			4303.00	
Jars	5.00			4308.00	
Safety Joint	3.00			4311.00	
Packer	5.00			4316.00	28.00 Bottom Of Top Packer
Packer	4.00			4320.00	
Stubb	1.00			4321.00	
Recorder	0.00	8017	Outside	4321.00	
Recorder	0.00	8845	Outside	4321.00	
Perforations	9.00			4330.00	
Change Over Sub	1.00			4331.00	
Drill Pipe	63.00			4394.00	
Change Over Sub	1.00			4395.00	
Bullnose	5.00			4400.00	80.00 Bottom Packers & Anchor

Total Tool Length: 108.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Norstar Petroleum, Inc.

Barrett Survivors Trust #1-36

88 Inverness CIR E. Unit F104
Englewood, CO 80112

36-9s-35w Thomas,KS

Job Ticket: 46889

DST#: 1

ATTN: Bob Elder

Test Start: 2013.03.03 @ 13:26:00

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:

70000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5100.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2690.00	MW 20m 80w	36.604

Total Length: 2690.00 ft Total Volume: 36.604 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

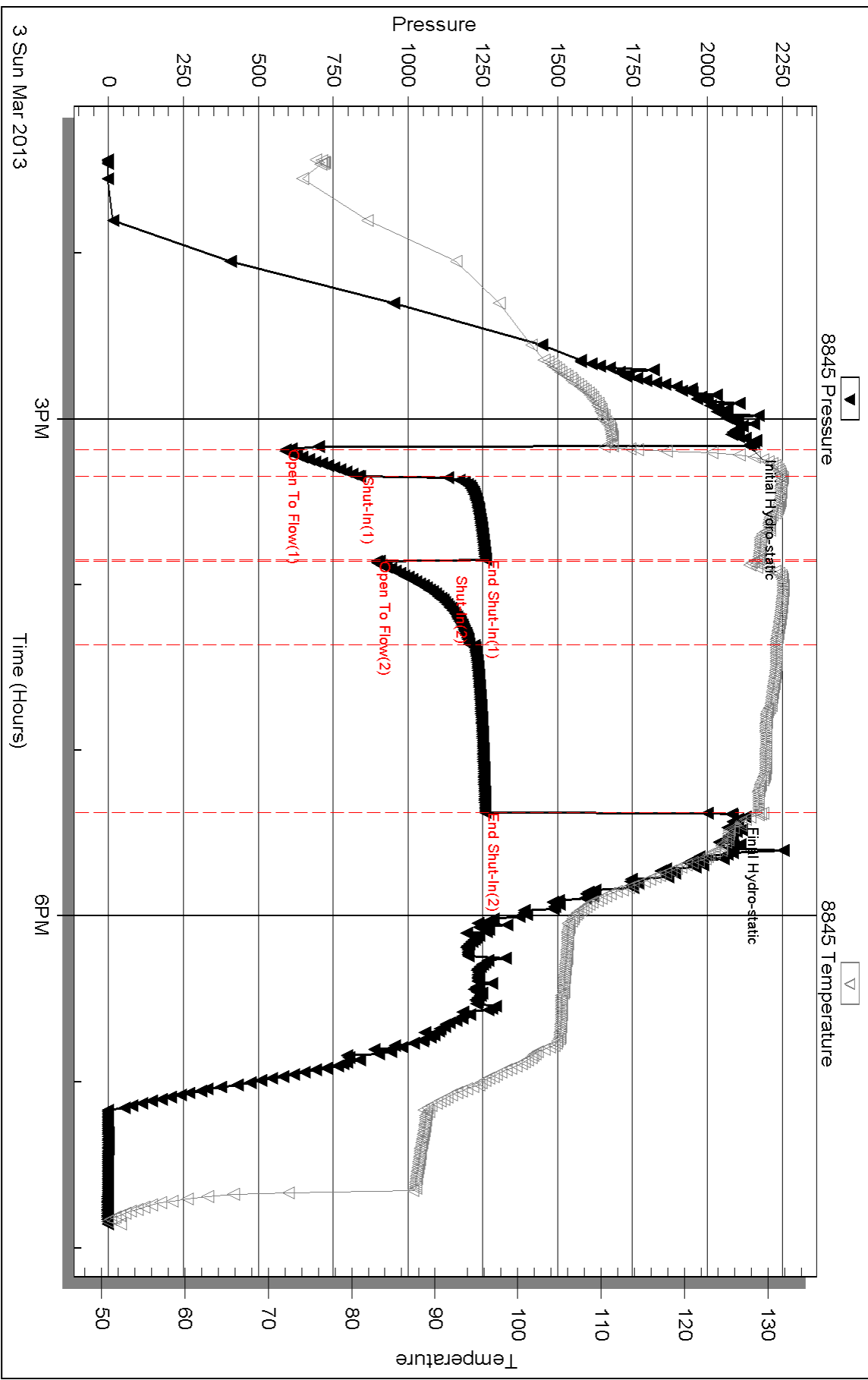
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .135 @ 60 degrees= 70,000 ppm

Pressure vs. Time

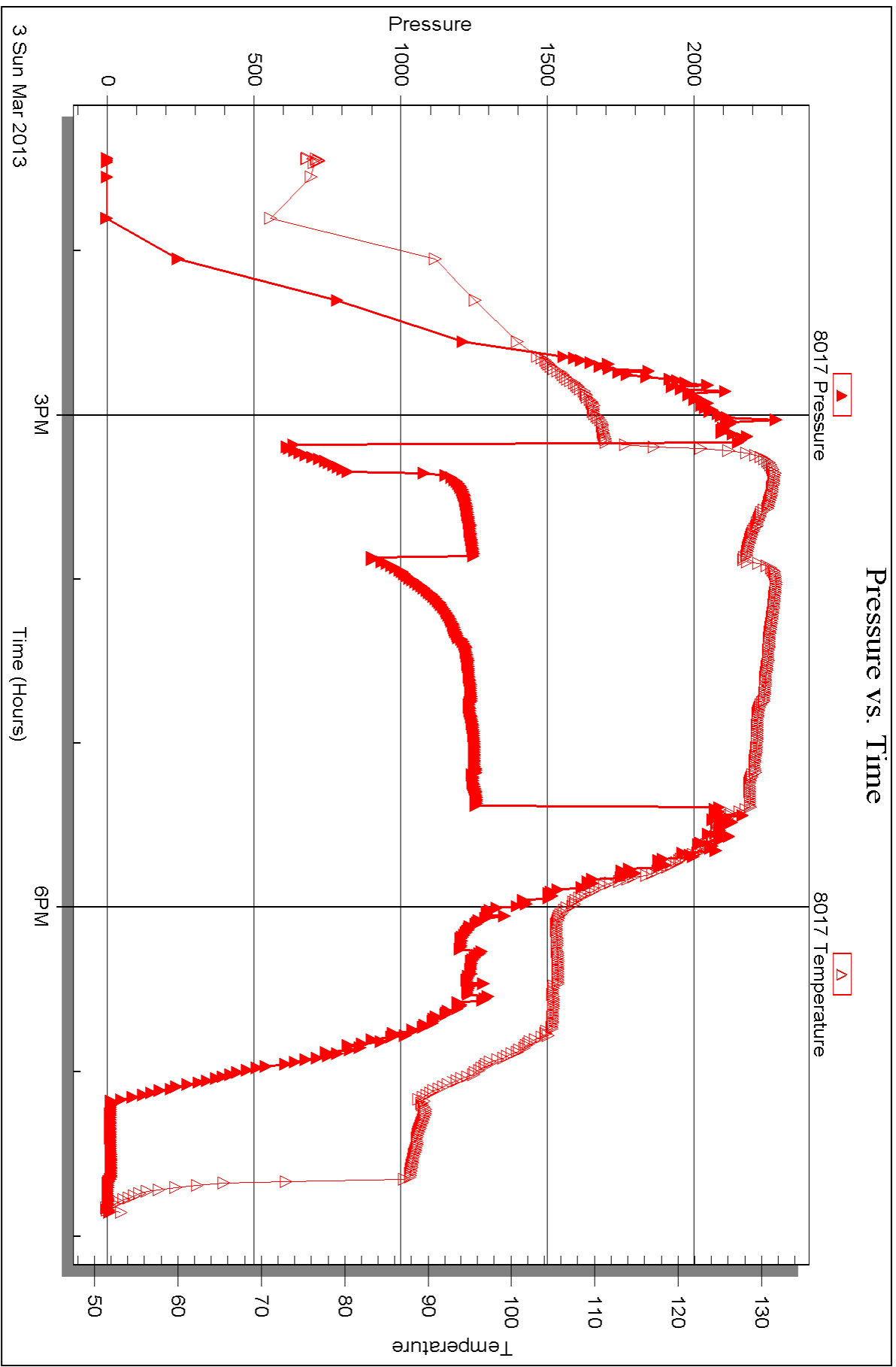


Serial #: 8017

Outside Norstar Petroleum, Inc.

36-95-35w Thomas, KS

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 46889

Printed: 2013.03.08 @ 14:57:08



DRILL STEM TEST REPORT

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

88 Inverness CIR E. Unit F104
Englewood, CO 80112

ATTN: Bob Elder

36-9s-35w Thomas,KS

Barrett Survivors Trust #1-36

Start Date: 2013.03.04 @ 04:30:00

End Date: 2013.03.04 @ 10:12:00

Job Ticket #: 46890 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.03.08 @ 14:56:29



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Norstar Petroleum, Inc.
 88 Inverness CIR E. Unit F104
 Englewood, CO 80112
 ATTN: Bob Elder

Barrett Survivors Trust #1-36
36-9s-35w Thomas,KS
 Job Ticket: 46890 **DST#: 2**
 Test Start: 2013.03.04 @ 04:30:00

GENERAL INFORMATION:

Formation: " K "
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:37:45
 Time Test Ended: 10:12:00
 Interval: **4403.00 ft (KB) To 4435.00 ft (KB) (TVD)**
 Total Depth: 4435.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Sam Esparza
 Unit No: 64
 Reference Elevations: 3289.00 ft (KB)
 3284.00 ft (CF)
 KB to GR/CF: 5.00 ft

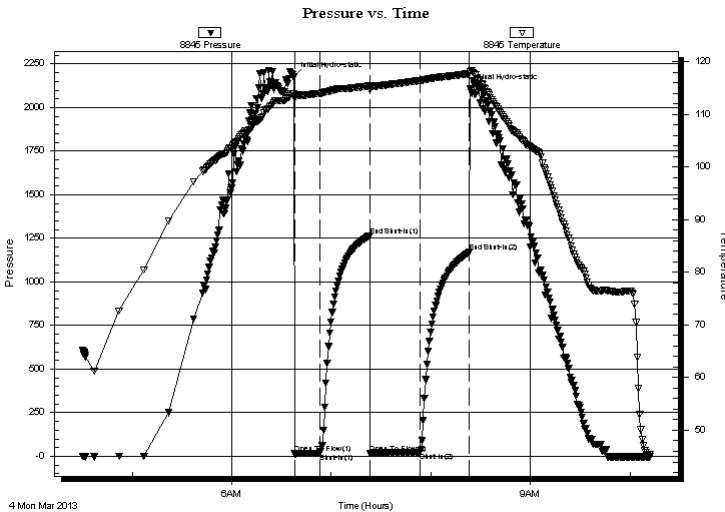
Serial #: 8845

Outside

Press @ Run Depth: 24.52 psig @ 4404.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.03.04 End Date: 2013.03.04 Last Calib.: 2013.03.04
 Start Time: 04:30:05 End Time: 10:11:59 Time On Btm: 2013.03.04 @ 06:37:30
 Time Off Btm: 2013.03.04 @ 08:23:45

TEST COMMENT: IF: Weak surface blow.
 IS: No return.
 FF: No blow.
 FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2177.78	113.80	Initial Hydro-static
1	15.08	113.02	Open To Flow (1)
16	17.75	113.94	Shut-In(1)
46	1264.19	115.36	End Shut-In(1)
46	18.71	114.58	Open To Flow (2)
76	24.52	116.39	Shut-In(2)
106	1170.52	117.65	End Shut-In(2)
107	2109.75	118.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100m	0.02

* 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.

Barrett Survivors Trust #1-36

88 Inverness CIR E. Unit F104
Englewood, CO 80112

36-9s-35w Thomas,KS

Job Ticket: 46890

DST#: 2

ATTN: Bob Elder

Test Start: 2013.03.04 @ 04:30:00

Tool Information

Drill Pipe:	Length: 4256.00 ft	Diameter: 3.80 inches	Volume: 59.70 bbl	Tool Weight: 2000.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 60.31 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4403.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	32.00 ft			
Tool Length:	60.00 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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Change Over Sub	1.00			4376.00	
Shut In Tool	5.00			4381.00	
Hydraulic tool	5.00			4386.00	
Jars	5.00			4391.00	
Safety Joint	3.00			4394.00	
Packer	5.00			4399.00	28.00 Bottom Of Top Packer
Packer	4.00			4403.00	
Stubb	1.00			4404.00	
Recorder	0.00	8017	Outside	4404.00	
Recorder	0.00	8845	Outside	4404.00	
Perforations	26.00			4430.00	
Bullnose	5.00			4435.00	32.00 Bottom Packers & Anchor

Total Tool Length: 60.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Norstar Petroleum, Inc.

Barrett Survivors Trust #1-36

88 Inverness CIR E. Unit F104
Englewood, CO 80112

36-9s-35w Thomas,KS

Job Ticket: 46890

DST#: 2

ATTN: Bob Elder

Test Start: 2013.03.04 @ 04:30:00

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: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
5.00	Mud 100m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

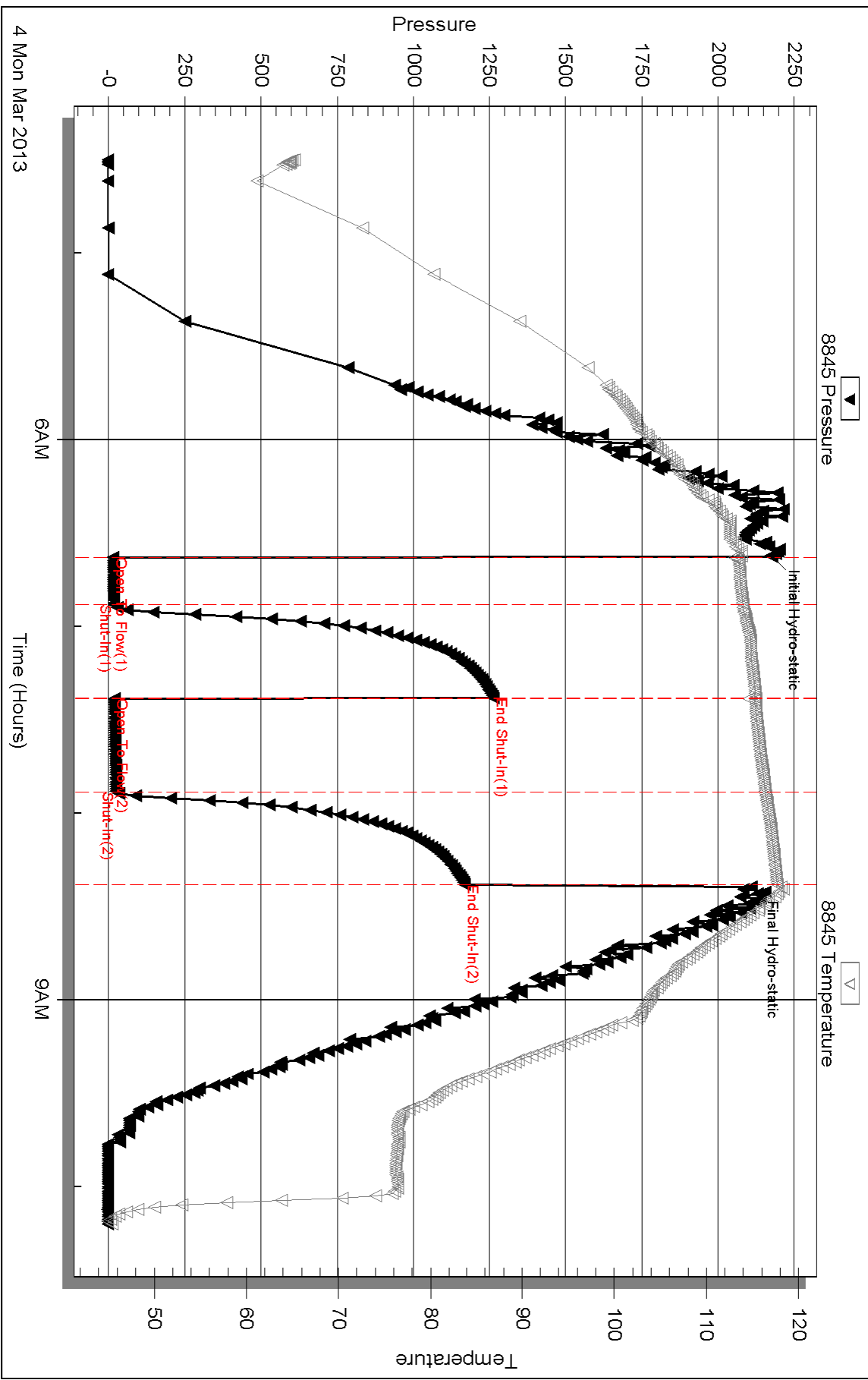
Serial #: 8845

Outside Norstar Petroleum, Inc.

36-95-35w Thomas, KS

DST Test Number: 2

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 46890

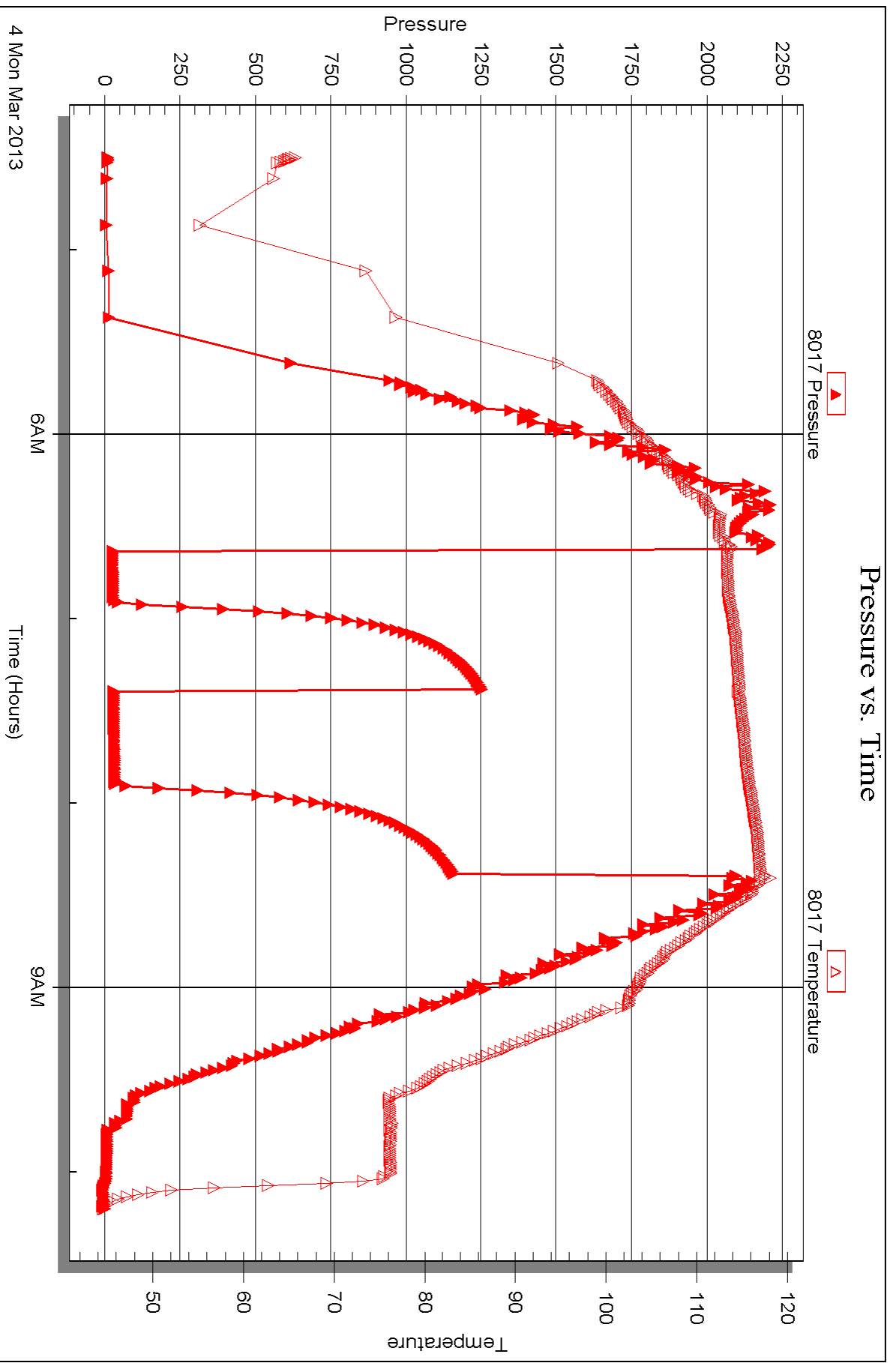
Printed: 2013.03.08 @ 14:56:32

Serial #: 8017

Outside Norstar Petroleum, Inc.

36-95-35w Thomas, KS

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 46890

Printed: 2013.03.08 @ 14:56:32



DRILL STEM TEST REPORT

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

88 Inverness CIR E. Unit F104
Englewood, CO 80112

ATTN: Bob Elder

36-9s-35w Thomas,KS

Barrett Survivors Trust #1-36

Start Date: 2013.03.05 @ 13:06:00

End Date: 2013.03.05 @ 18:38:00

Job Ticket #: 46891 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.03.08 @ 14:55:47

Norstar Petroleum, Inc.

Barrett Survivors Trust #1-36

36-9s-35w Thomas,KS

DST # 3

Ft. Scott

2013.03.05



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Norstar Petroleum, Inc.

Barrett Survivors Trust #1-36

88 Inverness CIR E. Unit F104
Englewood, CO 80112

36-9s-35w Thomas,KS

Job Ticket: 46891

DST#: 3

ATTN: Bob Elder

Test Start: 2013.03.05 @ 13:06:00

Tool Information

Drill Pipe:	Length: 4477.00 ft	Diameter: 3.80 inches	Volume: 62.80 bbl	Tool Weight:	2000.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	85000.00 lb
			<u>Total Volume: 63.41 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	58000.00 lb
Depth to Top Packer:	4624.00 ft			Final	58000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	50.00 ft				
Tool Length:	78.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4597.00	
Shut In Tool	5.00			4602.00	
Hydraulic tool	5.00			4607.00	
Jars	5.00			4612.00	
Safety Joint	3.00			4615.00	
Packer	5.00			4620.00	28.00 Bottom Of Top Packer
Packer	4.00			4624.00	
Stubb	1.00			4625.00	
Recorder	0.00	8017	Outside	4625.00	
Recorder	0.00	8845	Outside	4625.00	
Perforations	10.00			4635.00	
Change Over Sub	1.00			4636.00	
Drill Pipe	32.00			4668.00	
Change Over Sub	1.00			4669.00	
Bullnose	5.00			4674.00	50.00 Bottom Packers & Anchor

Total Tool Length: 78.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Norstar Petroleum, Inc.

Barrett Survivors Trust #1-36

88 Inverness CIR E. Unit F104
Englewood, CO 80112

36-9s-35w Thomas,KS

Job Ticket: 46891

DST#: 3

ATTN: Bob Elder

Test Start: 2013.03.05 @ 13:06:00

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: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6900.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud 100m	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

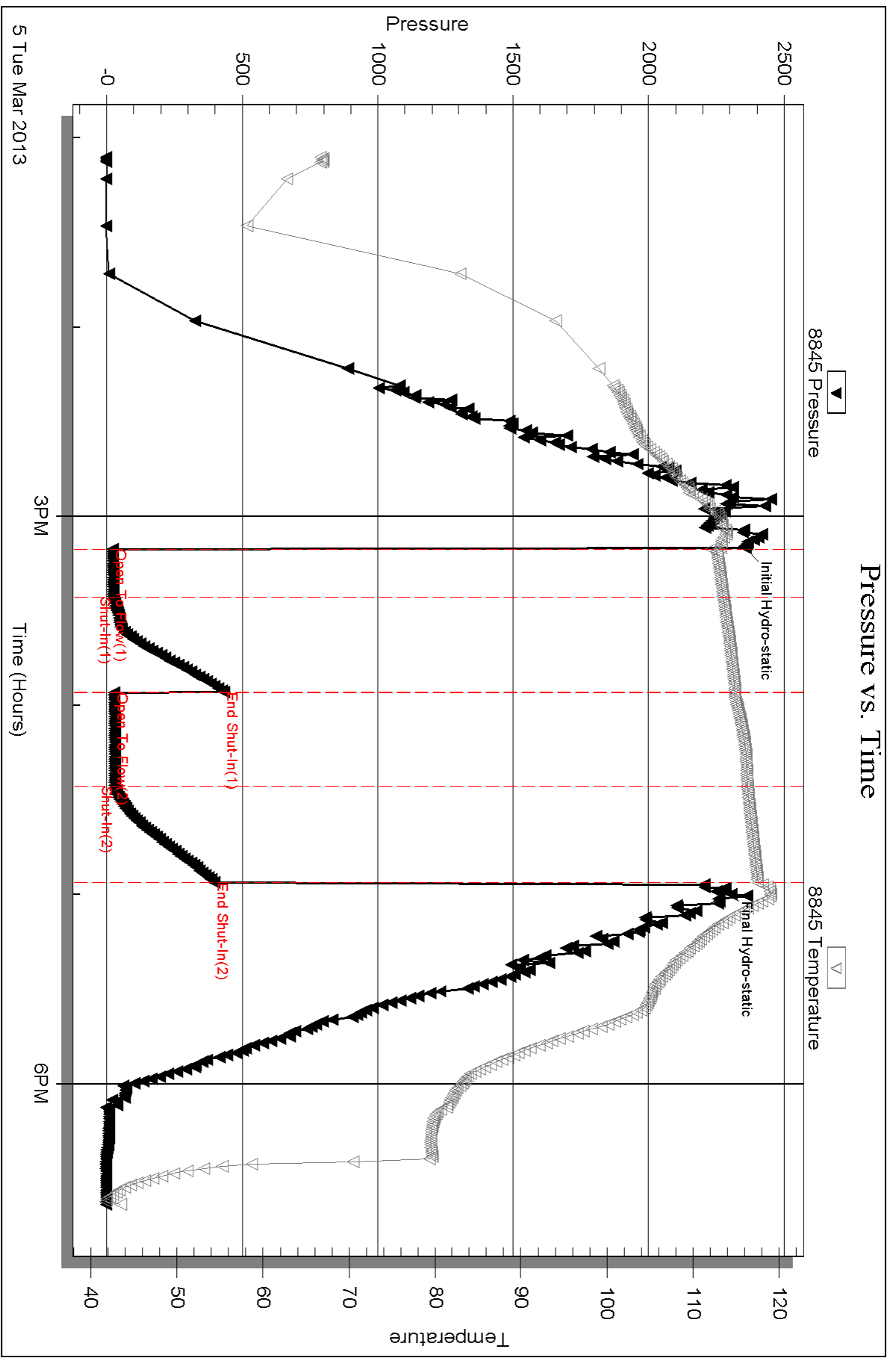
Recovery Comments:

Serial #: 8845

Outside Norstar Petroleum, Inc.

36-95-35w Thomas, KS

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 46891

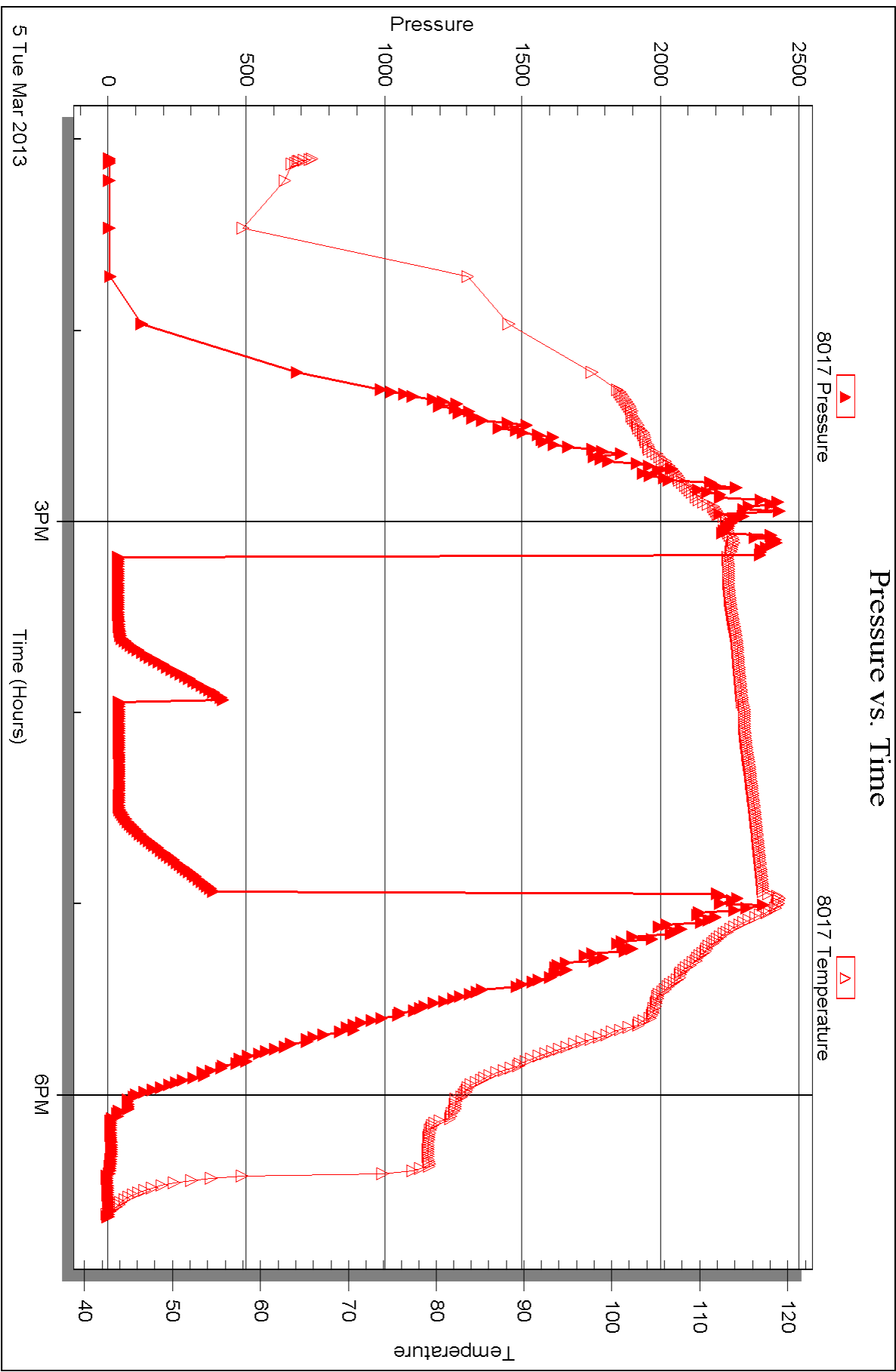
Printed: 2013.03.08 @ 14:55:49

Serial #: 8017

Outside Norstar Petroleum, Inc.

36-95-35w Thomas, KS

DST Test Number: 3





DRILL STEM TEST REPORT

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

88 Inverness CIR E. Unit F104
Englewood, CO 80112

ATTN: Bob Elder

36-9s-35w Thomas,KS

Barrett Survivors Trust #1-36

Start Date: 2013.03.06 @ 08:23:00

End Date: 2013.03.06 @ 14:15:30

Job Ticket #: 46892 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.03.08 @ 14:54:58

Norstar Petroleum, Inc.

Barrett Survivors Trust #1-36

36-9s-35w Thomas,KS

DST # 4

Johnson

2013.03.06



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Norstar Petroleum, Inc.
 88 Inverness CIR E. Unit F104
 Englewood, CO 80112
 ATTN: Bob Elder

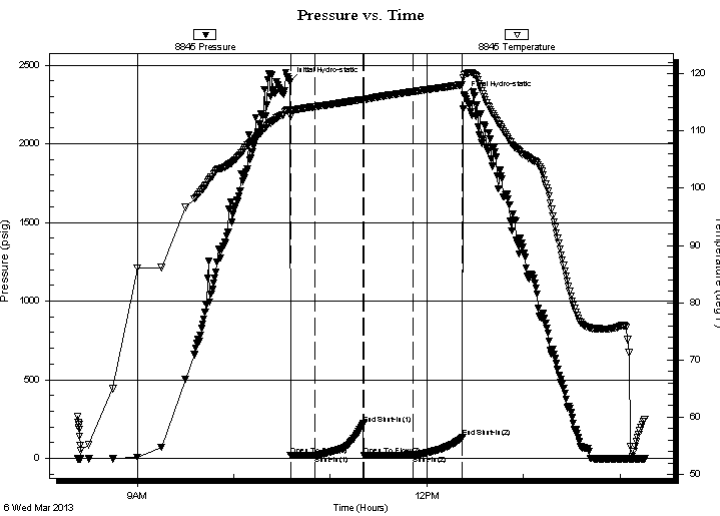
Barrett Survivors Trust #1-36
36-9s-35w Thomas,KS
 Job Ticket: 46892 **DST#: 4**
 Test Start: 2013.03.06 @ 08:23:00

GENERAL INFORMATION:

Formation: **Johnson**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 10:35:15 Tester: Sam Esparza
 Time Test Ended: 14:15:30 Unit No: 64
 Interval: **4705.00 ft (KB) To 4755.00 ft (KB) (TVD)** Reference Elevations: 3289.00 ft (KB)
 Total Depth: 4755.00 ft (KB) (TVD) 3284.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8845 Outside
 Press @ Run Depth: 22.39 psig @ 4706.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.03.06 End Date: 2013.03.06 Last Calib.: 2013.03.06
 Start Time: 08:23:05 End Time: 14:15:29 Time On Btm: 2013.03.06 @ 10:35:00
 Time Off Btm: 2013.03.06 @ 12:23:15

TEST COMMENT: IF: 1/4" blow.
 IS: No return.
 FF: No blow.
 FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2393.30	113.80	Initial Hydro-static
1	19.13	112.61	Open To Flow (1)
16	19.94	114.26	Shut-In(1)
46	220.57	115.53	End Shut-In(1)
46	21.67	115.50	Open To Flow (2)
77	22.39	116.89	Shut-In(2)
107	132.77	118.09	End Shut-In(2)
109	2309.42	119.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100 m (oil spots)	0.02

* 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.

Barrett Survivors Trust #1-36

88 Inverness CIR E. Unit F104
Englewood, CO 80112

36-9s-35w Thomas,KS

Job Ticket: 46892

DST#: 4

ATTN: Bob Elder

Test Start: 2013.03.06 @ 08:23:00

Tool Information

Drill Pipe:	Length: 4571.00 ft	Diameter: 3.80 inches	Volume: 64.12 bbl	Tool Weight:	2000.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 64.73 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	58000.00 lb
Depth to Top Packer:	4705.00 ft			Final	58000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	50.00 ft				
Tool Length:	78.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4678.00	
Shut In Tool	5.00			4683.00	
Hydraulic tool	5.00			4688.00	
Jars	5.00			4693.00	
Safety Joint	3.00			4696.00	
Packer	5.00			4701.00	28.00 Bottom Of Top Packer
Packer	4.00			4705.00	
Stubb	1.00			4706.00	
Recorder	0.00	8017	Outside	4706.00	
Recorder	0.00	8845	Outside	4706.00	
Perforations	10.00			4716.00	
Change Over Sub	1.00			4717.00	
Drill Pipe	32.00			4749.00	
Change Over Sub	1.00			4750.00	
Bullnose	5.00			4755.00	50.00 Bottom Packers & Anchor

Total Tool Length: 78.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Norstar Petroleum, Inc.

Barrett Survivors Trust #1-36

88 Inverness CIR E. Unit F104
Englewood, CO 80112

36-9s-35w Thomas,KS

Job Ticket: 46892

DST#: 4

ATTN: Bob Elder

Test Start: 2013.03.06 @ 08:23:00

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:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100 m (oil spots)	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

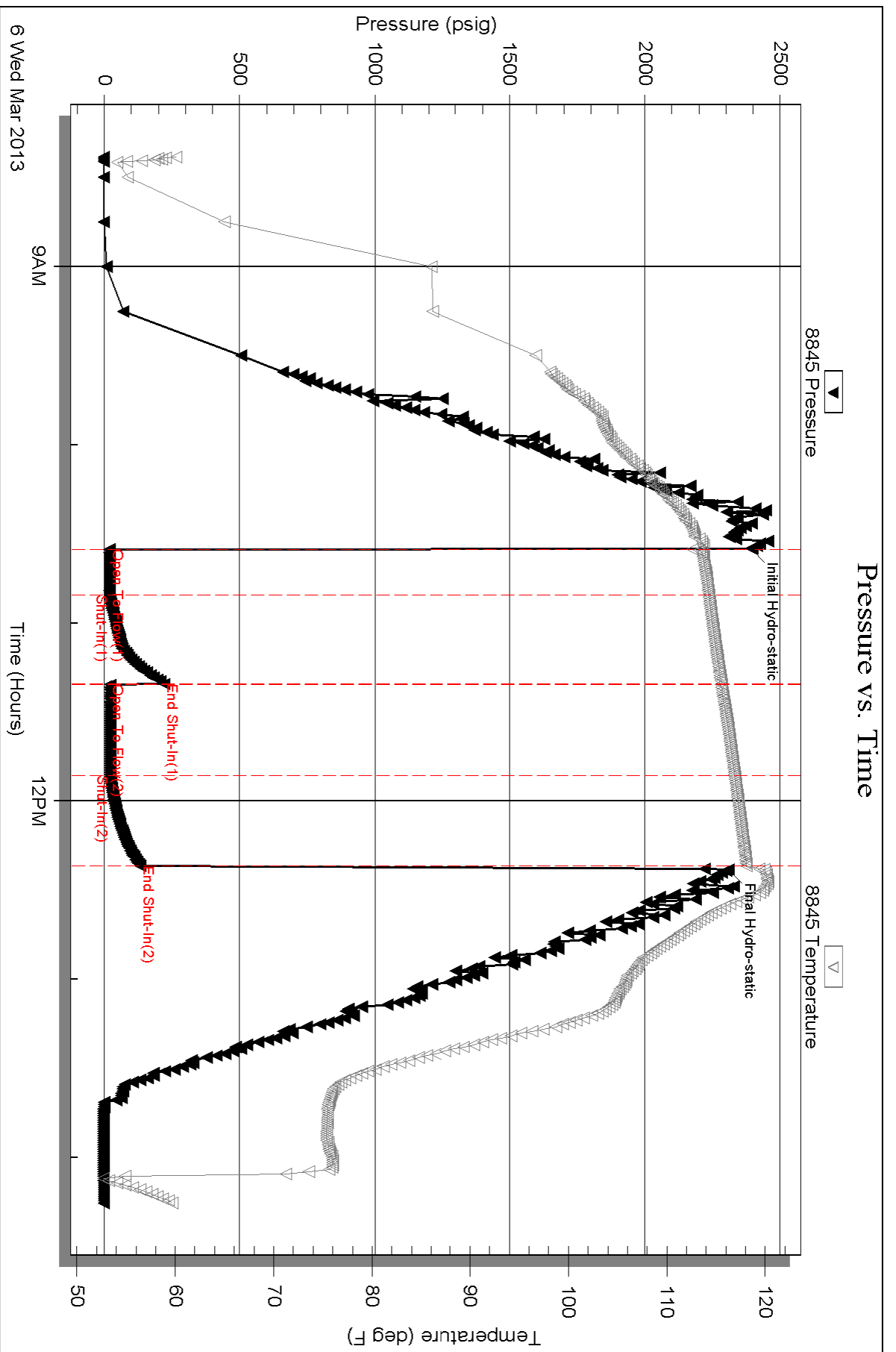
Recovery Comments:

Serial #: 8845

Outside Norstar Petroleum, Inc.

36-95-35w Thomas, KS

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 46892

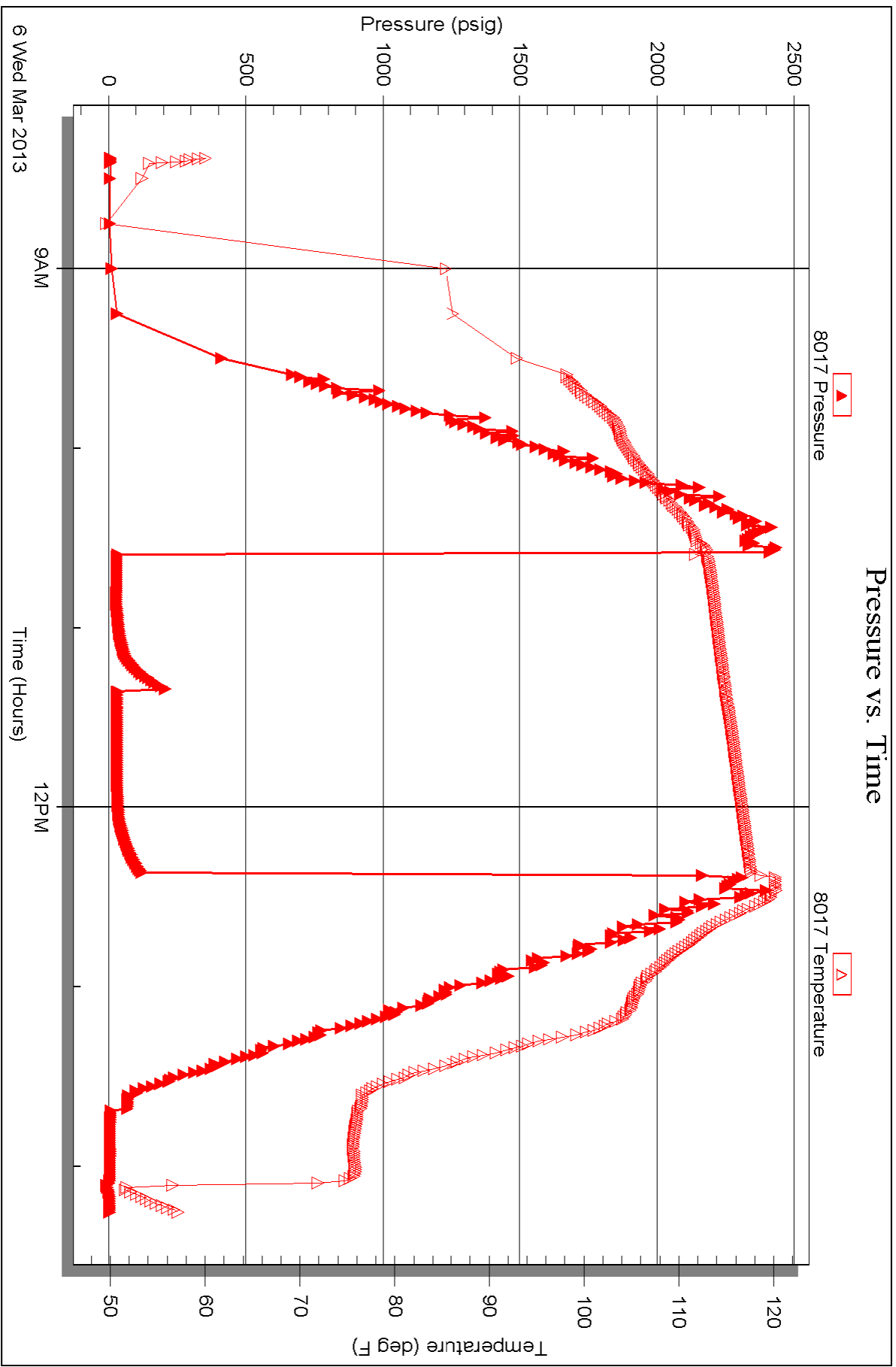
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Serial #: 8017

Outside Norstar Petroleum, Inc.

36-95-35w Thomas, KS

DST Test Number: 4





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 46889

Well Name & No. Barrett Survivors Trust #1-36 Test No. 1 Date 3/3/13
 Company Norstar Petroleum, Inc. Elevation 3289 KB 3284 GL
 Address 88 Inverness CIR E. Unit F104 Englewood, CO 80112
 Co. Rep / Geo. Bob Elder Rig WW #8
 Location: Sec. 36 Twp. 9S Rge. 35W Co. Thomas State K5

Interval Tested 4320-4400 Zone Tested "H-I-J"
 Anchor Length 80' Drill Pipe Run 4193 Mud Wt. 9.0
 Top Packer Depth 4316 Drill Collars Run 124 Vis 57
 Bottom Packer Depth 4320 Wt. Pipe Run Ø WL 6.4
 Total Depth 4400 Chlorides 5100 ppm System LCM 1

Blow Description BoB @ 1 min.
No return.
BoB @ 1 min.
No return.

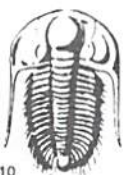
Rec	Feet of	%gas	%oil	%water	%mud
<u>2690</u>	<u>MW</u>			<u>80</u>	<u>20</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 2690 BHT 129 Gravity — API RW .135 @ 60 °F Chlorides 70,000 ppm
 (A) Initial Hydrostatic 2139 Test 1250 T-On Location 12:40
 (B) First Initial Flow 591 Jars 250 T-Started 13:26
 (C) First Final Flow 839 Safety Joint 75 T-Open 15:10
 (D) Initial Shut-In 1260 Circ Sub USED 50 T-Pulled 17:22
 (E) Second Initial Flow 895 Hourly Standby _____ T-Out 19:51
 (F) Second Final Flow 1207 Mileage 170 R/T 263.50 Comments _____
 (G) Final Shut-In 1260 Sampler _____
 (H) Final Hydrostatic 2082 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1888.50
 Accessibility _____ MP/DST Disc't _____

Initial Open 10
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 60
 Sub Total 1888.50

Approved By [Signature] Our Representative [Signature]

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 46890

Well Name & No. Barrett Survivors Trust #1-36 Test No. 2 Date 3/4/13
 Company Norstar Petroleum, Inc. Elevation 3289 KB 3284 GL
 Address 88 Inverness CIR E. Unit F104 Englewood, CO 80112
 Co. Rep / Geo. Bob Elder Rig WW #8
 Location: Sec. 36 Twp. 9S Rge. 35W Co. Thomas State KS

Interval Tested 4403 - 4435 Zone Tested "K"
 Anchor Length 32 Drill Pipe Run ~~4256~~ 4256 Mud Wt. 9.1
 Top Packer Depth 4399 Drill Collars Run 124 Vis 54
 Bottom Packer Depth 4403 Wt. Pipe Run Ø WL 6.4
 Total Depth 4435 Chlorides 6200 ppm System LCM 1

Blow Description Weak surface blows
No return.
No blow.
No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</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 5 BHT 118 Gravity — API RW — @ — F Chlorides — ppm

(A) Initial Hydrostatic <u>2178</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>4:10</u>
(B) First Initial Flow <u>15</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>4:30</u>
(C) First Final Flow <u>18</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>6:38</u>
(D) Initial Shut-In <u>1264</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>8:23</u>
(E) Second Initial Flow <u>19</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>10:12</u>
(F) Second Final Flow <u>25</u>	<input checked="" type="checkbox"/> Mileage <u>170 RT</u> 263.50	Comments
(G) Final Shut-In <u>1171</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2110</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1838.50</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1838.50</u>	

Approved By Roy Ed Our Representative [Signature]

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 46891

Well Name & No. Barratt Survivors Trust #1-36 Test No. 3 Date 3/5/13
 Company Norstar Petroleum, Inc. Elevation 3289 KB 3284 GL
 Address 88 Inverness CIR E. Unit F104 Englewood, CO 80112
 Co. Rep / Geo. Bob Elder Rig WW #8
 Location: Sec. 36 Twp. 9S Rge. 3SW Co. Thomas State KS

Interval Tested 4624 - 4674 Zone Tested Ft. Scott
 Anchor Length 50' Drill Pipe Run 4477 Mud Wt. 9.3
 Top Packer Depth 4620 Drill Collars Run 124 Vis 56
 Bottom Packer Depth 4624 Wt. Pipe Run Ø WL 6.8
 Total Depth 4674 Chlorides 6900 ppm System LCM 1

Blow Description 1/2" blow.
No return.
No blow.
No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</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 10 BHT 118 Gravity - API RW - @ - ° F Chlorides - ppm

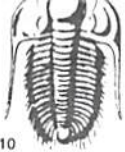
(A) Initial Hydrostatic	<u>2356</u>	<input checked="" type="checkbox"/> Test	<u>1250</u>	T-On Location	<u>10:00</u>
(B) First Initial Flow	<u>22</u>	<input checked="" type="checkbox"/> Jars	<u>250</u>	T-Started	<u>13:06</u>
(C) First Final Flow	<u>26</u>	<input checked="" type="checkbox"/> Safety Joint	<u>75</u>	T-Open	<u>15:11</u>
(D) Initial Shut-In	<u>434</u>	<input checked="" type="checkbox"/> Circ Sub	<u>N/C</u>	T-Pulled	<u>16:56</u>
(E) Second Initial Flow	<u>27</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>18:38</u>
(F) Second Final Flow	<u>30</u>	<input checked="" type="checkbox"/> Mileage	<u>170 R/T</u> 263.50	Comments	<u>pulled tight - short trip started back out @ 11:35</u>
(G) Final Shut-In	<u>396</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>2284</u>	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Shale Packer	

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

Sub Total 1838.50 MP/DST Disc't

Approved By Bob Elder Our Representative [Signature]

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 46892

Well Name & No. Berrett Survivors Trust #1-36 Test No. 4 Date 3/6/13
 Company Norstar Petroleum, Inc. Elevation 3289 KB 3284 GL
 Address 88 Inverness CIR E. Unit F104 Englewood, CO 80112
 Co. Rep / Geo. Bob Elder Rig WW #8
 Location: Sec. 36 Twp. 9S Rge. 35W Co. Thomas State KS

Interval Tested 4705 - 4755 Zone Tested Johnson
 Anchor Length 50' Drill Pipe Run 4571 Mud Wt. 9.2
 Top Packer Depth 4701 Drill Collars Run 124 Vis 53
 Bottom Packer Depth 4705 Wt. Pipe Run Ø WL 8.0
 Total Depth 4755 Chlorides 8600 ppm System LCM 1
 Blow Description 1" blow.
No return.
No blow.
No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud (oil spots)</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	BHT
<u>5</u>	<u>118</u>
(A) Initial Hydrostatic	<u>2393</u>
(B) First Initial Flow	<u>19</u>
(C) First Final Flow	<u>20</u>
(D) Initial Shut-In	<u>221</u>
(E) Second Initial Flow	<u>22</u>
(F) Second Final Flow	<u>22</u>
(G) Final Shut-In	<u>133</u>
(H) Final Hydrostatic	<u>2309</u>

Gravity — API RW — @ — °F Chlorides — ppm

Test 1250
 Jars 250
 Safety Joint 75
 Circ Sub N/C
 Hourly Standby
 Mileage 170 R/T 263.50
 Sampler
 Straddle
 Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

Sub Total 1838.50

T-On Location 7:40
 T-Started 8:23
 T-Open 10:35
 T-Pulled 12:22
 T-Out 14:15
 Comments loaded tools

Ruined Shale Packer
 Ruined Packer
 Extra Copies

Sub Total 0
 Total 1838.50
 MP/DST Disc't —

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

Approved By [Signature]

Our Representative [Signature]

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