



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: _____



1090679

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 Bbls.	Gas Mcf	Water Bbls.	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> <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	WJLH Koons 2-36
Doc ID	1090679

Tops

Name	Top	Datum
Anhydrite	2768	+526
Topeka	3985	-691
Heebner	4139	-845
Toronto	4160	-866
Lansing	4181	-887
Stark Shale	4405	-1111
Ft. Scott	4632	-1338
Cherokee SHale	4650	-1356
Johnson	4730	-1436
Mississippi	4820	-1526

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

Sam Brownback, Governor

August 15, 2012

Brady Pfeiffer
Norstar Petroleum, Inc.
88 INVERNESS CIR E. Unit F104
ENGLEWOOD, CO 80112

Re: ACO1
API 15-193-20835-00-00
WJLH Koons 2-36
SE/4 Sec.36-10S-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

August 21, 2012

Brady Pfeiffer
Norstar Petroleum, Inc.
88 INVERNESS CIR E. Unit F104
ENGLEWOOD, CO 80112

Re: ACO-1
API 15-193-20835-00-00
WJLH Koons 2-36
SE/4 Sec.36-10S-35W
Thomas County, Kansas

Dear Brady Pfeiffer:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 2/23/2012 and the ACO-1 was received on August 15, 2012 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Norstar Petroleum, Inc.
88 Inverness Cir E. Unit 104
ATTN: Brad Rine

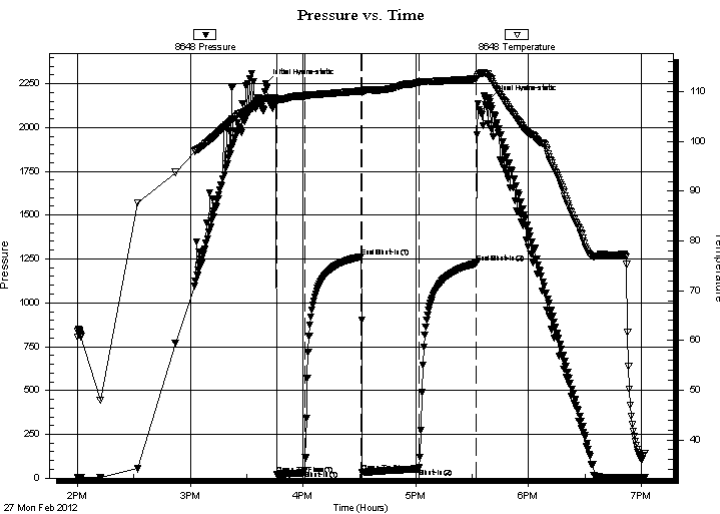
36 10e 35s Thomas Ks
WJLH Koons #2-36
Job Ticket: 042047 **DST#: 1**
Test Start: 2012.02.27 @ 14:00:00

GENERAL INFORMATION:

Formation: **LKC-H**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:46:15
Time Test Ended: 19:02:00
Interval: **4319.00 ft (KB) To 4355.00 ft (KB) (TVD)**
Total Depth: 4355.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Chuck Kreuzer Jr.
Unit No: 36
Reference Elevations: 3294.00 ft (KB)
3289.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8648 Inside
Press @ Run Depth: 53.28 psig @ 4320.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.02.27 End Date: 2012.02.27 Last Calib.: 2012.02.27
Start Time: 14:00:05 End Time: 19:01:59 Time On Btm: 2012.02.27 @ 15:40:15
Time Off Btm: 2012.02.27 @ 17:39:00

TEST COMMENT: IF: Weak blow 1/8 in.
IS: No blow back
FF: No blow
FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2250.76	108.64	Initial Hydro-static
6	21.43	108.10	Open To Flow (1)
21	45.36	109.04	Shut-In(1)
51	1262.53	110.16	End Shut-In(1)
52	33.06	109.87	Open To Flow (2)
82	53.28	111.91	Shut-In(2)
112	1225.18	112.63	End Shut-In(2)
119	2157.77	112.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	w cm-30%w 70%m	0.30
10.00	w cm-20%w 80%m	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Norstar Petroleum, Inc.
88 Inverness Cir E. Unit 104
ATTN: Brad Rine

36 10e 35s Thomas Ks
WJLH Koons #2-36
Job Ticket: 042047 **DST#: 1**
Test Start: 2012.02.27 @ 14:00:00

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: 62.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.48 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	w cm-30%w 70%m	0.295
10.00	w cm-20%w 80%m	0.049

Total Length: 70.00 ft Total Volume: 0.344 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

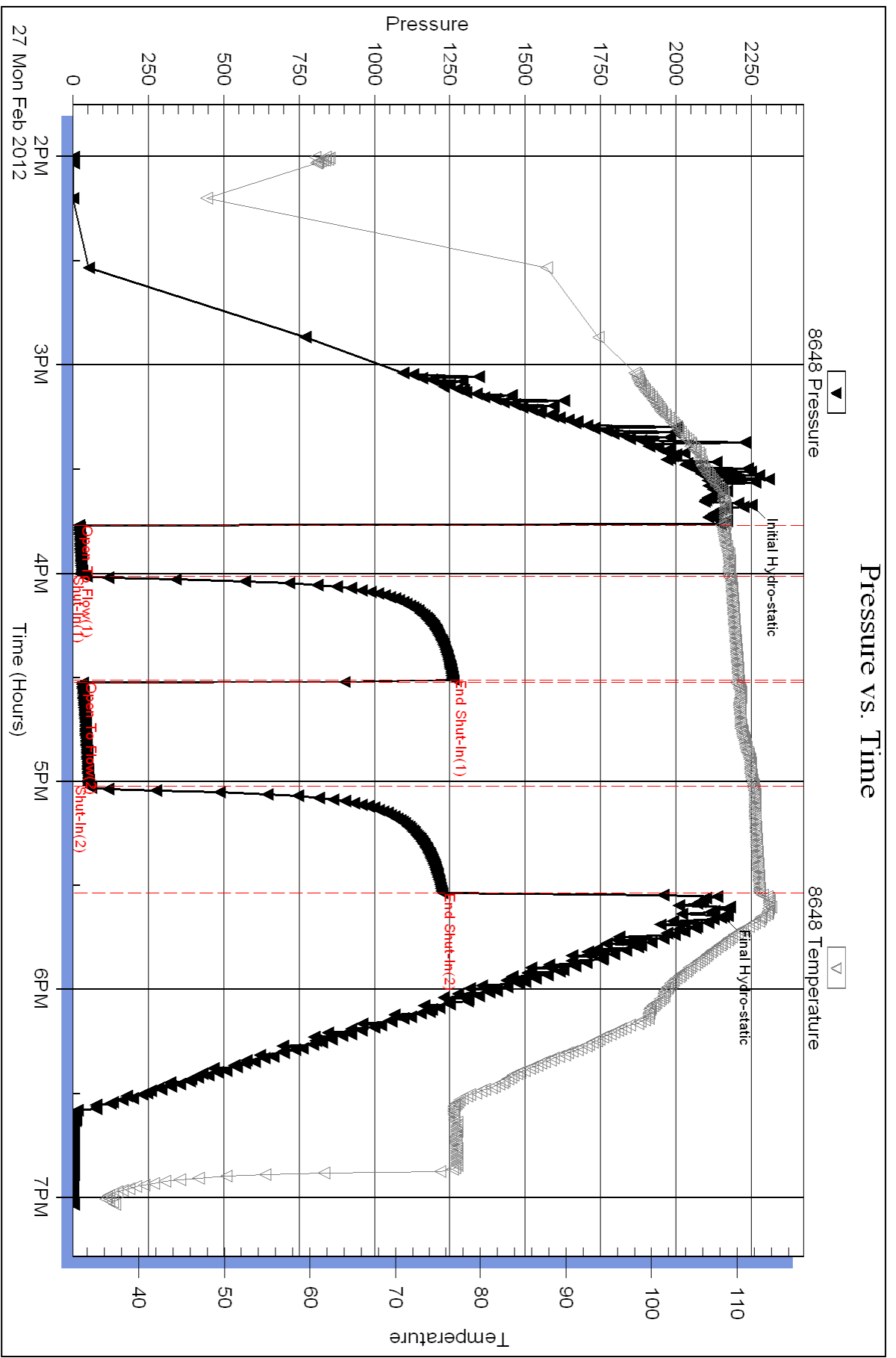
Serial #: 8648

Inside

Norstar Petroleum, Inc.

WJLH Koons #2-36

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 042047

Printed: 2012.02.28 @ 11:47:58



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Norstar Petroleum, Inc.
88 Inverness Cir E. Unit 104
ATTN: Brad Rine

36 10e 35s Thomas Ks
WJLH Koons #2-36
Job Ticket: 42048 **DST#: 2**
Test Start: 2012.02.28 @ 02:20:00

GENERAL INFORMATION:

Formation: **LKC-I**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:08:00
Time Test Ended: 09:11:00
Interval: **4352.00 ft (KB) To 4380.00 ft (KB) (TVD)**
Total Depth: 4380.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Chuck Kreuzer Jr.
Unit No: 36
Reference Elevations: 3294.00 ft (KB)
3289.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6799

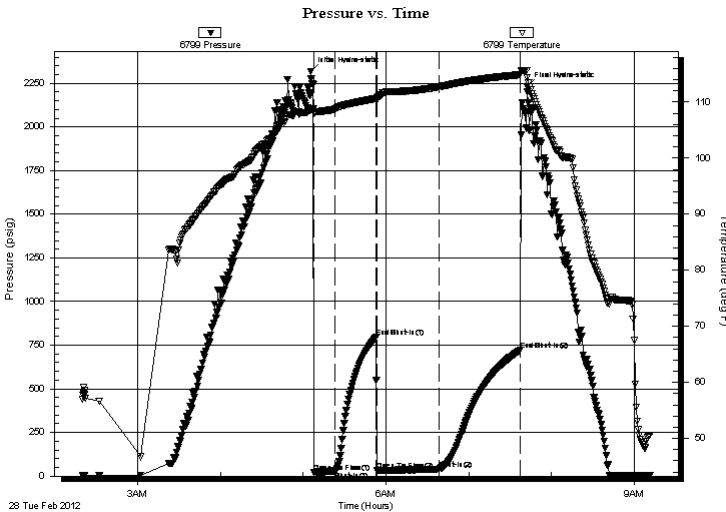
Inside

Press @ Run Depth: 39.28 psig @ 4353.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.02.28 End Date: 2012.02.28 Last Calib.: 2012.02.28
Start Time: 02:20:05 End Time: 09:10:59 Time On Btm: 2012.02.28 @ 05:05:30
Time Off Btm: 2012.02.28 @ 07:42:15

TEST COMMENT: IF: Weak blow , Surface.
IS: No blow back
FF: Weak blow after 15 mins. surface over 45 mins.
FS: No blow back

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2318.98	108.61	Initial Hydro-static
3	22.38	108.18	Open To Flow (1)
18	30.04	108.73	Shut-In(1)
48	794.69	110.65	End Shut-In(1)
48	30.72	110.57	Open To Flow (2)
93	39.28	112.75	Shut-In(2)
152	723.75	114.93	End Shut-In(2)
157	2231.62	114.40	Final Hydro-static



Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud w ith oil specs	0.05

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Norstar Petroleum, Inc.
88 Inverness Cir E. Unit 104
ATTN: Brad Rine

36 10e 35s Thomas Ks
WJLH Koons #2-36
Job Ticket: 42048 **DST#: 2**
Test Start: 2012.02.28 @ 02:20:00

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: 62.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.47 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud w ith oil specs	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:

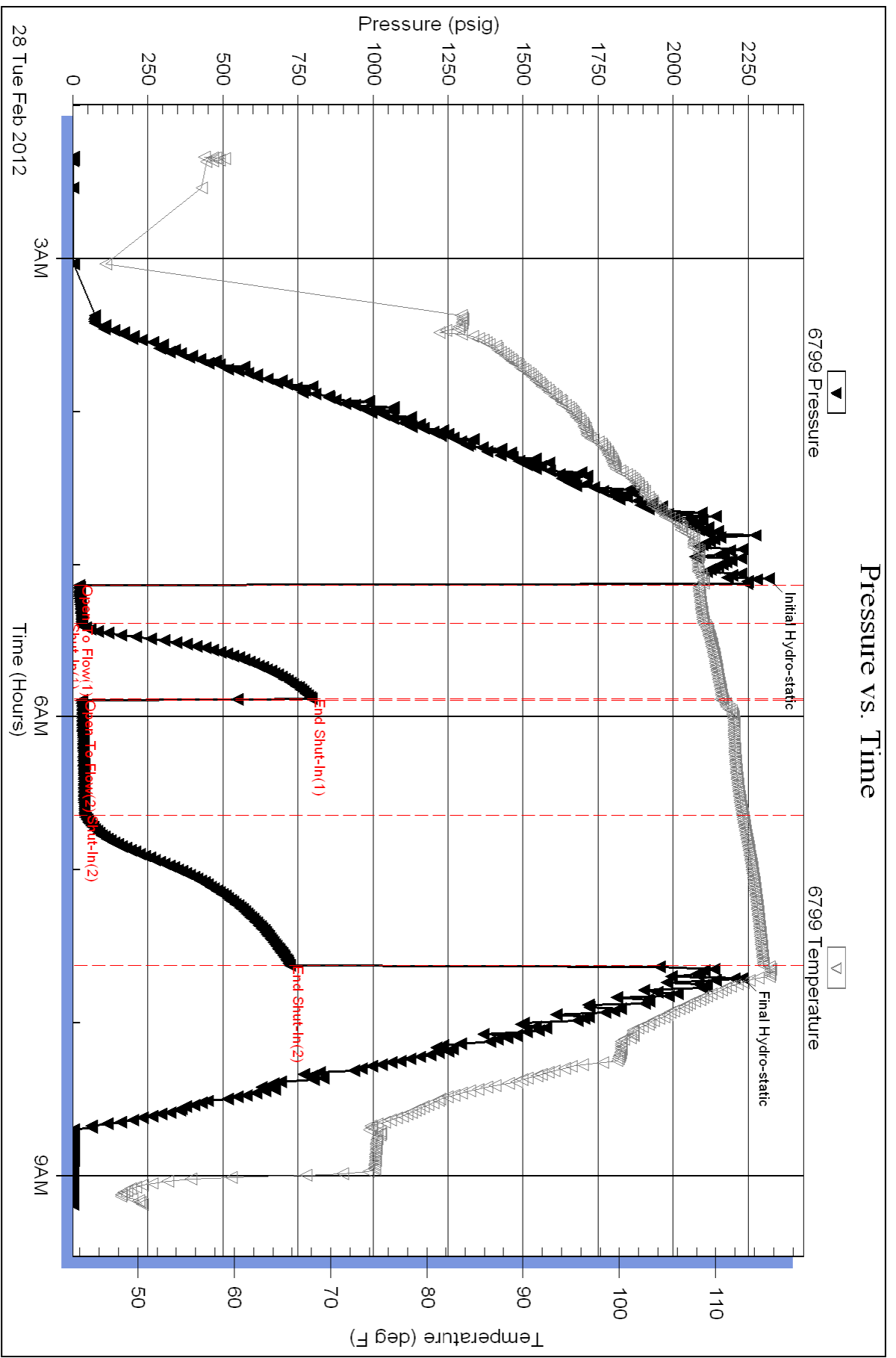
Serial #: 6799

Inside

Norstar Petroleum, Inc.

WJLH Koons #2-36

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 42048

Printed: 2012.02.28 @ 11:46:34



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Norstar Petroleum, Inc.
 88 Inverness Cir E. Unit 104
 ATTN: Brad Rine

36 10e 35s Thomas Ks
WJLH Koons #2-36
 Job Ticket: 42049 **DST#: 3**
 Test Start: 2012.02.28 @ 19:50:00

GENERAL INFORMATION:

Formation: **LKC-J,K**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:56:15
 Time Test Ended: 02:43:45
 Interval: **4378.00 ft (KB) To 4446.00 ft (KB) (TVD)**
 Total Depth: 4446.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Chuck Kreuzer Jr.
 Unit No: 36
 Reference Elevations: 3294.00 ft (KB)
 3289.00 ft (CF)
 KB to GR/CF: 5.00 ft

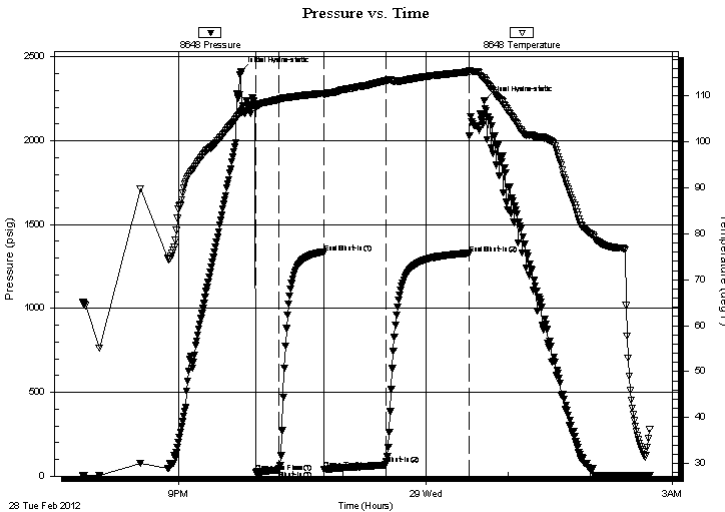
Serial #: 8648

Inside

Press @ Run Depth: 71.84 psig @ 4379.00 ft (KB)
 Start Date: 2012.02.28 End Date: 2012.02.29
 Start Time: 19:50:05 End Time: 02:43:44
 Capacity: 8000.00 psig
 Last Calib.: 2012.02.29
 Time On Btm: 2012.02.28 @ 21:45:30
 Time Off Btm: 2012.02.29 @ 00:43:00

TEST COMMENT: IF: Weak blow , Surface.
 IS: No blow back
 FF: Weak surface after 15 mins
 FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2414.02	106.54	Initial Hydro-static
11	24.31	107.74	Open To Flow (1)
28	36.90	109.23	Shut-In(1)
60	1331.37	110.59	End Shut-In(1)
61	39.68	110.36	Open To Flow (2)
106	71.84	113.36	Shut-In(2)
167	1327.54	115.28	End Shut-In(2)
178	2238.87	113.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	mud-100%	0.30
10.00	vsocm-2%o98%m	0.05

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Norstar Petroleum, Inc.
88 Inverness Cir E. Unit 104
ATTN: Brad Rine

36 10e 35s Thomas Ks
WJLH Koons #2-36
Job Ticket: 42049 **DST#: 3**
Test Start: 2012.02.28 @ 19:50:00

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: 65.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	mud-100%	0.295
10.00	vsocm-2%o98%m	0.049

Total Length: 70.00 ft Total Volume: 0.344 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 8648

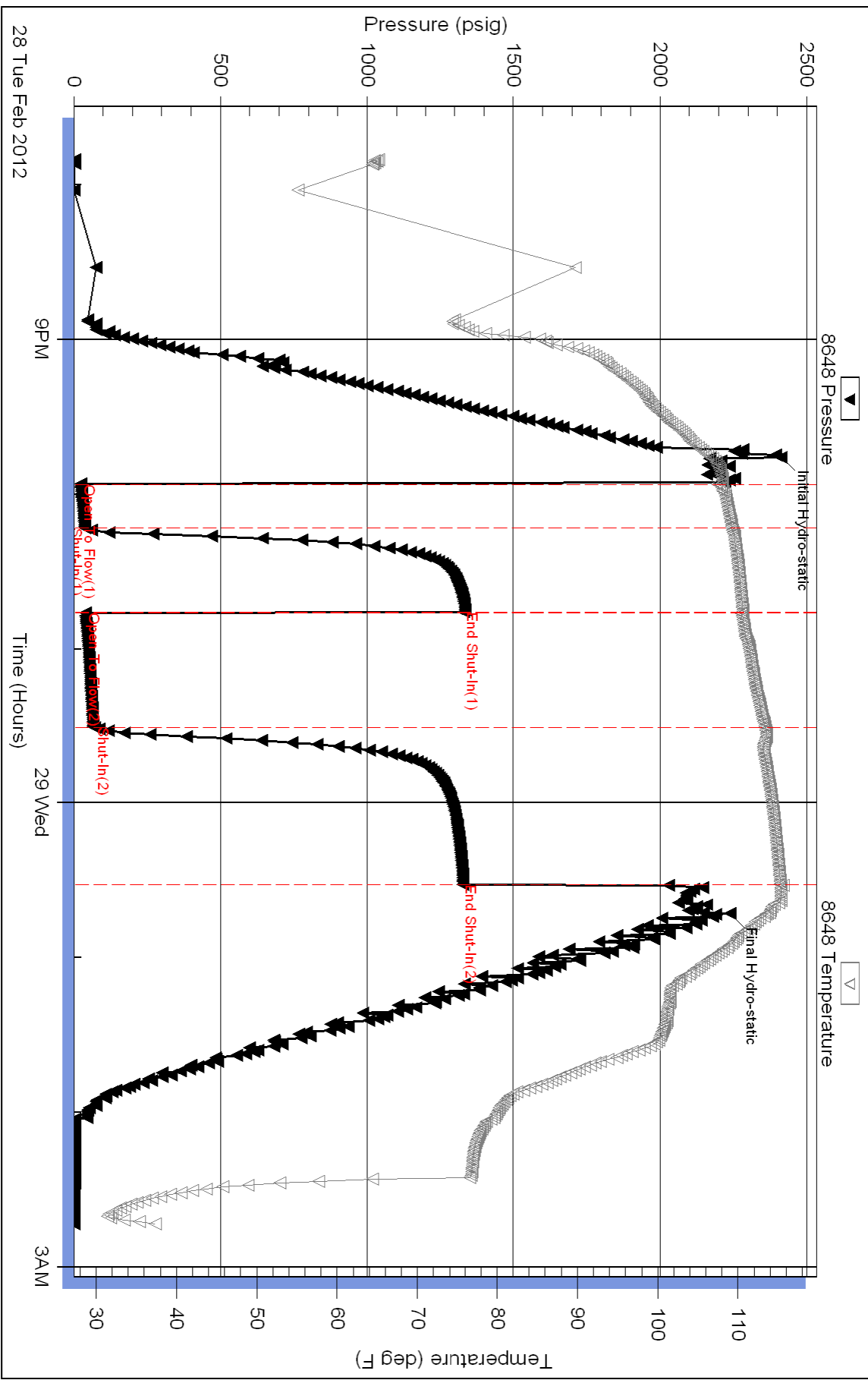
Inside

Norstar Petroleum, Inc.

WJLH Koons #2-36

DST Test Number: 3

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 42049

Printed: 2012.02.29 @ 07:57:58



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Norstar Petroleum, Inc.
88 Inverness Cir E. Unit 104
Englewood, CO 80112
ATTN: Brad Rine

36 10e 35s Thomas Ks
WJLH Koons #2-36
Job Ticket: 45610 **DST#: 4**
Test Start: 2012.03.01 @ 12:15:00

GENERAL INFORMATION:

Formation: **Johnson**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 14:29:45 Tester: Kevin Mack
Time Test Ended: 19:33:30 Unit No: 43
Interval: 4704.00 ft (KB) To 4780.00 ft (KB) (TVD) Reference Elevations: 3294.00 ft (KB)
Total Depth: 4780.00 ft (KB) (TVD) 3289.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

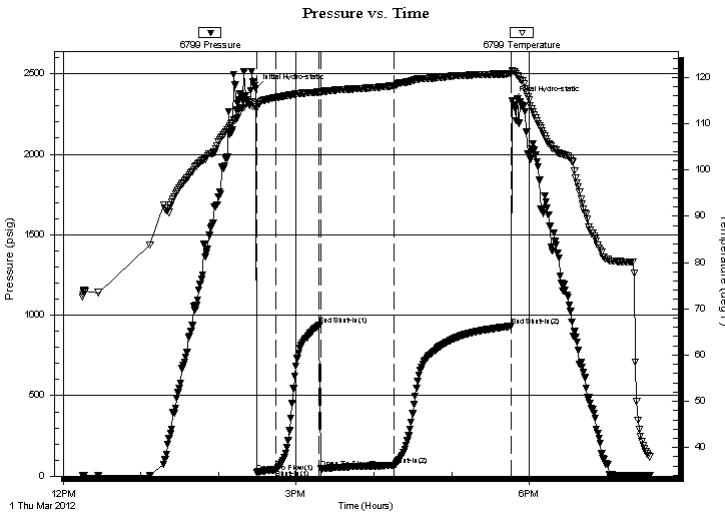
Serial #: 6799

Inside

Press @ Run Depth: 66.51 psig @ 4705.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.03.01 End Date: 2012.03.01 Last Calib.: 2012.03.01
Start Time: 12:15:05 End Time: 19:33:29 Time On Btm: 2012.03.01 @ 14:29:00
Time Off Btm: 2012.03.01 @ 17:46:45

TEST COMMENT: IF- 1/4" Blow built to 1/2"
IS- No Return
FF- Surface blow built to 1 1/4"
FS- No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2406.50	113.62	Initial Hydro-static
1	24.83	113.58	Open To Flow (1)
16	42.81	115.71	Shut-In(1)
49	936.53	116.85	End Shut-In(1)
50	46.42	116.71	Open To Flow (2)
107	66.51	118.22	Shut-In(2)
197	931.22	120.79	End Shut-In(2)
198	2334.43	121.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	OCM 60M 40o	0.59

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Norstar Petroleum, Inc.
88 Inverness Cir E. Unit 104
Englewood, CO 80112
ATTN: Brad Rine

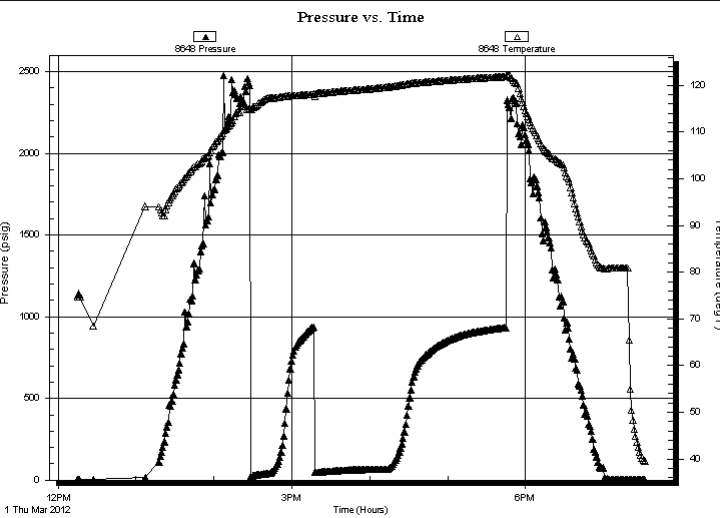
36 10e 35s Thomas Ks
WJLH Koons #2-36
Job Ticket: 45610 **DST#: 4**
Test Start: 2012.03.01 @ 12:15:00

GENERAL INFORMATION:

Formation: **Johnson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:29:45
Time Test Ended: 19:33:30
Interval: **4704.00 ft (KB) To 4780.00 ft (KB) (TVD)**
Total Depth: 4780.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Kevin Mack
Unit No: 43
Reference Elevations: 3294.00 ft (KB)
3289.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8648 Inside
Press @ Run Depth: psig @ 4705.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.03.01 End Date: 2012.03.01 Last Calib.: 2012.03.01
Start Time: 12:15:05 End Time: 19:31:59 Time On Btm:
Time Off Btm:

TEST COMMENT: IF- 1/4" Blow built to 1/2"
IS- No Return
FF- Surface blow built to 1 1/4"
FS- No Return



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
120.00	OCM 60M 40o	0.59

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Norstar Petroleum, Inc.

36 10e 35s Thomas Ks

88 Inverness Cir E. Unit 104
Englewood, CO 80112

WJLH Koons #2-36

Job Ticket: 45610

DST#: 4

ATTN: Brad Rine

Test Start: 2012.03.01 @ 12:15:00

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: 68.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	OCM 60M 40o	0.590

Total Length: 120.00 ft Total Volume: 0.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

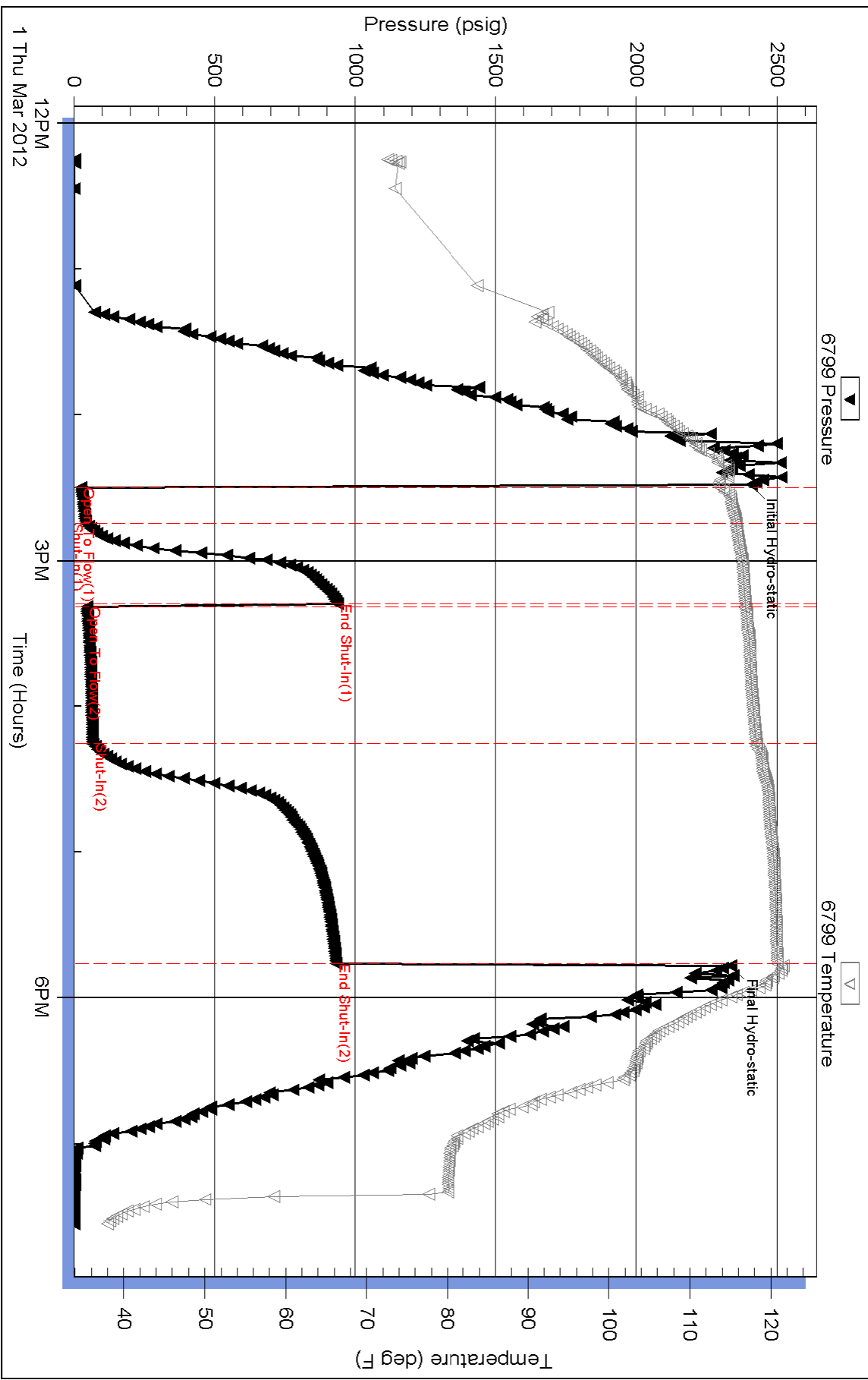
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



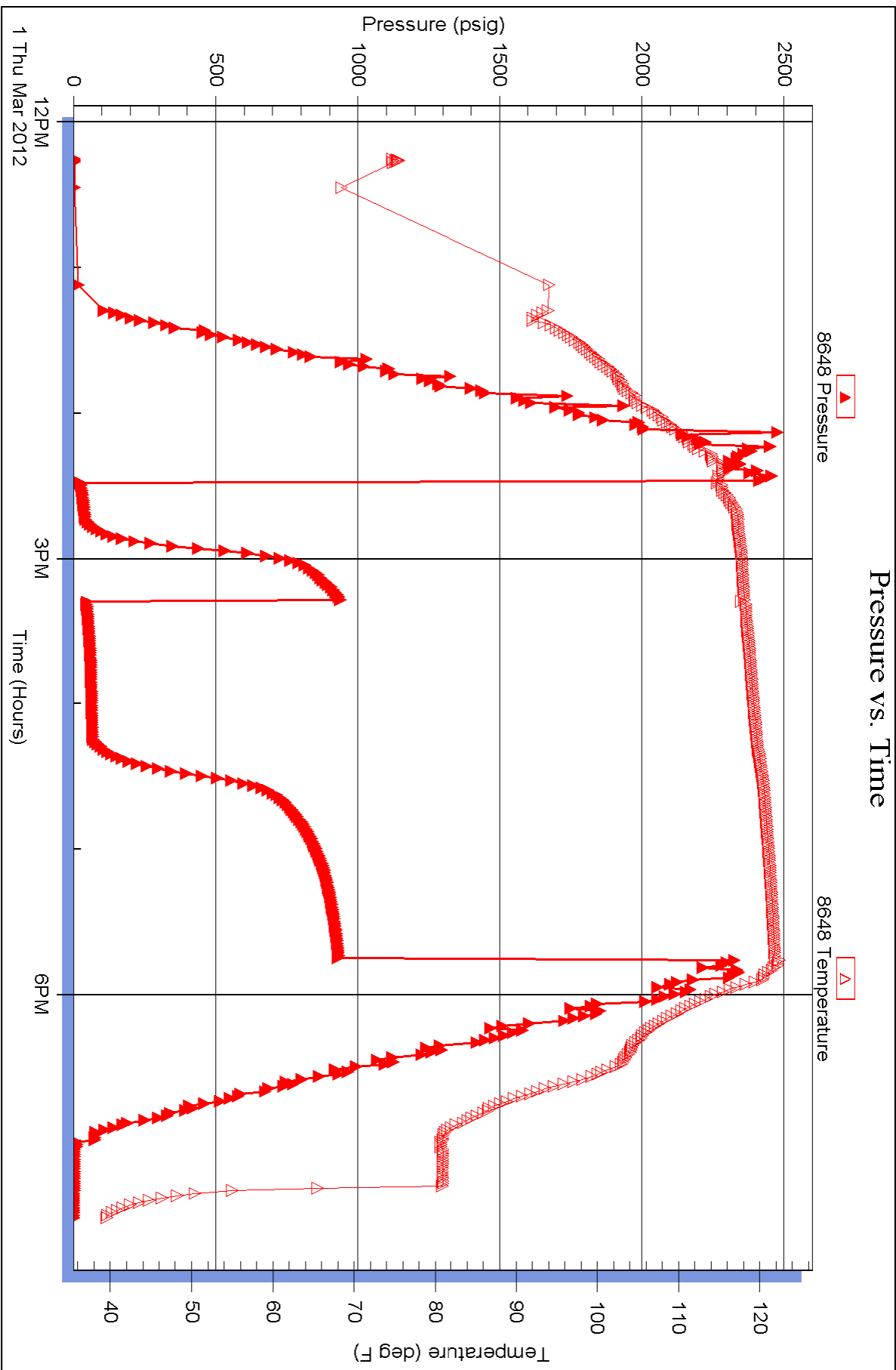
Serial #: 8648

Inside

Norstar Petroleum, Inc.

WJLH Koons #2-36

DST Test Number: 4



JOB LOG

SWIFT Services, Inc.

DATE 03-02-12 PAGE NO. 1

CUSTOMER NORSTAR PETROLEUM WELL NO. 236 LEASE WJLH MOONS JOB TYPE 2-STAGE TICKET NO. 21312

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1900							ON LOCATION CMT: BOTTOM 175 SIS EA-2 TOP 400 SIS SMD RD 4900 SETP. PER 4897 SJ 41.81 INSERT 4855 4 1/2" 105# D.V. ON TOP #53, 2769 FT CENT: 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, BASKET: 53, 66 ROUNDER SCHEDULE 52.54
	2030							START CIRC & FLOATEQ TAC BOTTOM DROP BAR
	2300							BREAK CIRC & ROTATE PIPE
	0000	6.0	12		-		200	500 MUD FLUSH
		5	20		-		5	2000L. HCL FLUSH
			42.5		-		5	175 SIS EA-2
								DROPLED PLUG, W/STAIN PL
		6.5	0		-		300	START DISP W/H2O
			33		-		5	" " W/MUD
			70		-		500	
			75		-		600	
	0035	4.0	77.2		-		1300	LAND PLUG - RELEASE - DRY
	0045				-		1100	DROP DV OPENING DART, OPEN DV
	0050							CIRC W/ RIG
	0400		7.5		-			PLUG RH-30, MH-30
	0405	5.5	20		-		200	2000L. HCL FLUSH
	0445	5	194		-		300	350 SIS SMD
								DROP DV CLOSING PLUG
	0450	5.0	0		-		200	START DISP
			20		-		400	CIRC CMT TO PIT! 35 SIS!
			40		-		600	
	0500		44		-		1400	LAND CLOSE DV
	0600							JOB COMPLETE THANK YOU! DR. JOSH B. BOB. DOLG