



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1238074
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: _____

1238074

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR. _____	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

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> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Norstar Petroleum, Inc.
Well Name	Solomon Creek 1-34
Doc ID	1238074

Tops

Name	Top	Datum
Anhydrite	2846	+485
Topeka	4028	-697
Heebner	4171	-840
Toronto	4194	-863
Lansing	4209	-878
Stark Shale	4438	-1107
Pawnee	4635	-1304
Ft Scott	4461	-1330
Cherokee Shale	4684	-1353
Johnson	4763	-1432
Mississippi	4874	-1543



CONSOLIDATED
Oil Well Services, LLC

1175
1168
1184
INVOICE #802312

TICKET NUMBER 47745
LOCATION Beckley, KS
FOREMAN Kelly Gabel

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

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-20-14	5734	Solomon Creek 1-34	34	9	35	Thomas
CUSTOMER <u>Morstar Petroleum</u>			Levant S ford G 1/2 W N 1/2			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			7724T18	Jordan		
STATE			397	LARRY		
ZIP CODE				Jeremy		

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 304 CASING SIZE & WEIGHT 8 5/8 24#
 CASING DEPTH 309 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 148 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 20'
 DISPLACEMENT 18 1/2 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: safety meeting, rigged up on wgw #8, broke circulation
mixed 210 SKS com 390cc 290 gal, displaced with 18 1/2
bbl water, shut in.

Cement did circulate

APPROX 5 bbl top it

Thank You
Billy Grew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1150.00	1150.00
5406	40 mi	MILEAGE	5.25	210.00
54074	9.87	Ton mileage delivery	1.75	172.725
11045	210 SKS	Class A cement	18.55	3895.50
1102	592	Calcium chloride	.94	556.48
11183	395	Bentonite	.27	106.65
			546	6348.63
			74000	63486
			5713.77	5713.77
		SALES TAX		293.35
		ESTIMATED TOTAL		6007.12

Ravin 3737

AUTHORIZATION [Signature]

TITLE _____

DATE 11-20-14

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

80530 1358
INVOICE # 1280

TICKET NUMBER 47875
LOCATION Ogkley Ks
FOREMAN Jerry y Cory D. Reading Miles S

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

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
12-1-14	5734	Solomon Creek 1-34	34	9S	35W	Thomas	
CUSTOMER		Norstar Petro		Truck #		DRIVER	
MAILING ADDRESS		Wiloma N to G		399		Jeremy R	
CITY		1W Ninto		397		Rob S	
STATE		ZIP CODE		TRUCK #		DRIVER	

JOB TYPE long string HOLE SIZE 7 7/8 HOLE DEPTH 4938 CASING SIZE & WEIGHT 5 1/2 14#
 CASING DEPTH 4935 DRILL PIPE _____ TUBING _____ OTHER PC @ 2873'
 SLURRY WEIGHT 14.2 SLURRY VOL 1.42 WATER gal/sk _____ CEMENT LEFT in CASING 44'
 DISPLACEMENT 119 1/4 bbl DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Softy meeting, rig up on (w) 8 run float eqpt. centralizers on 13, 15, 17, 19, 47, 49 baskets on 6, 14, 12 on 48 PC on top 48 @ 2873' scratch on 4 x 2, 11 x 1, 12 x 3, 13 x 4 run casing to bottom pump ball thru & circulate 1 hr pump 5 bbl H₂O, mud flush, 5 bbl spacer mix 19.5 sks OWC with 5# Kalseal shut down release plug clean pump & lines, & displace with 119 bbl fresh water plug landed @ 2000' with a final lift of 1400'.

30 sks Rh
PC, SN 1410408

Thank you
Jerry & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	3175.00	3175.00
5406	35	MILEAGE	5.25	183.75
5407	10.58	ton mileage delivery	1.50	648.03
1126	225 sks	OWC	23.70	5332.50
1110A	112.5 #	Kalseal	5.00	630.00
1144g	500 gal	mud flush	1.00	500.00
4104	3	5 1/2 baskets (w)	290.00	870.00
4130	12	5 1/2 centralizers (w)	61.00	732.00
4159	1	5 1/2 AFU float stee (w)	433.75	433.75
4285	1	5 1/2 Port Collar (I)	1984.50	1984.50
4120 (4314)	10	5 1/2 reciprocating scratchers (w)	82.00	820.00
4454	1	5 1/2 latch downassy (w)	567.00	567.00
		Subtotal		15876.53
		less 10% disc		1587.65
		Subtotal		14288.88
		SALES TAX		763.82
		ESTIMATED TOTAL		15052.70

Ravin 3737

AUTHORIZATION [Signature]

TITLE Agent

DATE 12/2/14

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.

JOB LOG

SWIFT Services, Inc.

CUSTOMER		WELL NO.		LEASE		JOB TYPE		DATE	PAGE NO.
North Star Petroleum		1-34		Solomon Creek		Cmt. Port Caller		12-8-14	1
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	1210					2 3/8	5 1/2	On location - Rig running Hg Setup Tubs Port Caller @ 2873	
	1400							Locate P.C Tst closed - OK 1000 700 Fin run 3 BPM @ 700 th Hook to Hg	
	1420	3				700	700	start 3 BBL H ₂ O	
		3				600	500	start SMD cut @ 11.2 #/gal	
		3	16			400	400	Have cir	
		3	100			700	700	cut cir @ 175 SKS	
		3				700	700	Tail in 25 SKS @ 13.5 #/gal	
		3	100			700	700	Fin cut. - Displ 10 BBL	
							1000	Close P.C + Tst OK	
								Run 5 JTs Res-out - 2 flags - clean Fin Res-out	
	1530		25					Washup P.T. 175 SK to cir 25 SK tail in 200 SKS total used - SMD cut	
								Rig run Hg Fin run Hg	
	1700	3	80					Pump 80 BBL salt water Fin 80 BBL Ruck up P.T.	
	1740							Job complete Jon, Jon, Steve Craig	



DRILL STEM TEST REPORT

Prepared For: **Norstar Petroleum Inc.**

88 Inverness Cir A Unit f104
Englewood CO 80112

ATTN: Tyler Sanders

Solomon Creek #1-34

34-9s-35w Thomas,KS

Start Date: 2014.11.27 @ 04:39:28

End Date: 2014.11.27 @ 12:22:22

Job Ticket #: 58607 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.12.03 @ 13:51:17

Norstar Petroleum Inc.

34-9s-35w Thomas,KS

Solomon Creek #1-34

DST # 1

KC "H"

2014.11.27



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Norstar Petroleum Inc.
 88 Inverness Cir A Unit f104
 Englewood CO 80112
 ATTN: Tyler Sanders

34-9s-35w Thomas,KS
Solomon Creek #1-34
 Job Ticket: 58607 **DST#: 1**
 Test Start: 2014.11.27 @ 04:39:28

GENERAL INFORMATION:

Formation: **KC "H"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:54:53
 Time Test Ended: 12:22:22
 Interval: **4343.00 ft (KB) To 4394.00 ft (KB) (TVD)**
 Total Depth: 4394.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: James Geier
 Unit No: 79
 Reference Elevations: 3335.00 ft (KB)
 3330.00 ft (CF)
 KB to GR/CF: 5.00 ft

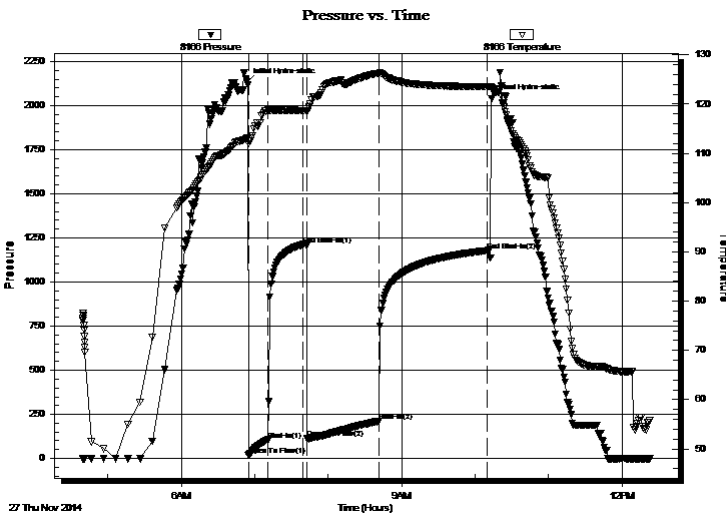
Serial #: 8166

Outside

Press@RunDepth: 211.78 psig @ 4377.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.11.27 End Date: 2014.11.27 Last Calib.: 2014.11.27
 Start Time: 04:39:28 End Time: 12:22:22 Time On Btm: 2014.11.27 @ 06:53:23
 Time Off Btm: 2014.11.27 @ 10:13:23

TEST COMMENT: IF: 6" blow @ 15 min.
 IS: No return
 FF: 5" blow
 FS: No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2132.98	113.06	Initial Hydro-static
2	16.41	111.90	Open To Flow (1)
18	105.76	118.97	Shut-In(1)
46	1212.80	118.70	End Shut-In(1)
50	112.61	118.44	Open To Flow (2)
108	211.78	126.25	Shut-In(2)
196	1178.33	123.53	End Shut-In(2)
200	2038.52	123.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
496.00	w c m 40% w 60% m	3.53

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Norstar Petroleum Inc.

34-9s-35w Thomas,KS

88 Inverness Cir A Unit f104
Englewood CO 80112

Solomon Creek #1-34

Job Ticket: 58607

DST#: 1

ATTN: Tyler Sanders

Test Start: 2014.11.27 @ 04:39:28

Tool Information

Drill Pipe:	Length: 4220.00 ft	Diameter: 2.25 inches	Volume: 20.75 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 3.80 inches	Volume: 1.68 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4343.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	51.00 ft			
Tool Length:	74.00 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		Inside	4321.00	
Shut In Tool	5.00			4326.00	
Hydraulic tool	5.00			4331.00	
Safety Joint	3.00			4334.00	
Packer	5.00			4339.00	23.00 Bottom Of Top Packer
Packer	4.00			4343.00	
Stubb	1.00			4344.00	
Change Over Sub	1.00			4345.00	
Drill Pipe	31.00			4376.00	
Change Over Sub	1.00			4377.00	
Recorder	0.00	8166	Outside	4377.00	
Recorder	0.00	8373	Outside	4377.00	
Perforations	12.00			4389.00	
Bullnose	5.00			4394.00	51.00 Bottom Packers & Anchor

Total Tool Length: 74.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Norstar Petroleum Inc.

34-9s-35w Thomas,KS

88 Inverness Cir A Unit f104
Englewood CO 80112

Solomon Creek #1-34

Job Ticket: 58607

DST#: 1

ATTN: Tyler Sanders

Test Start: 2014.11.27 @ 04:39:28

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

4800 ppm

Viscosity: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.73 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
496.00	w c m40% w 60% m	3.532

Total Length: 496.00 ft

Total Volume: 3.532 bbl

Num Fluid Samples: 0

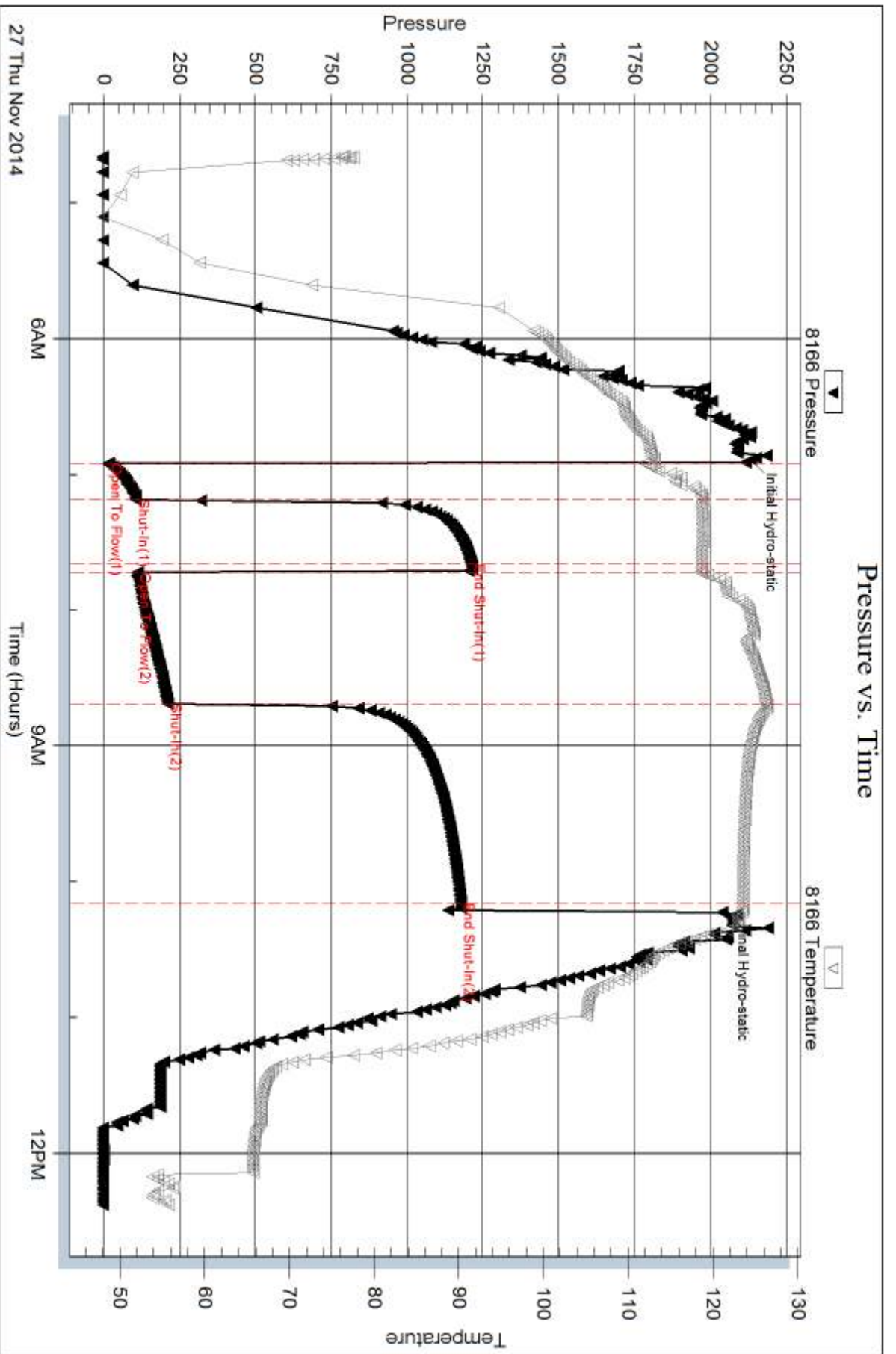
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

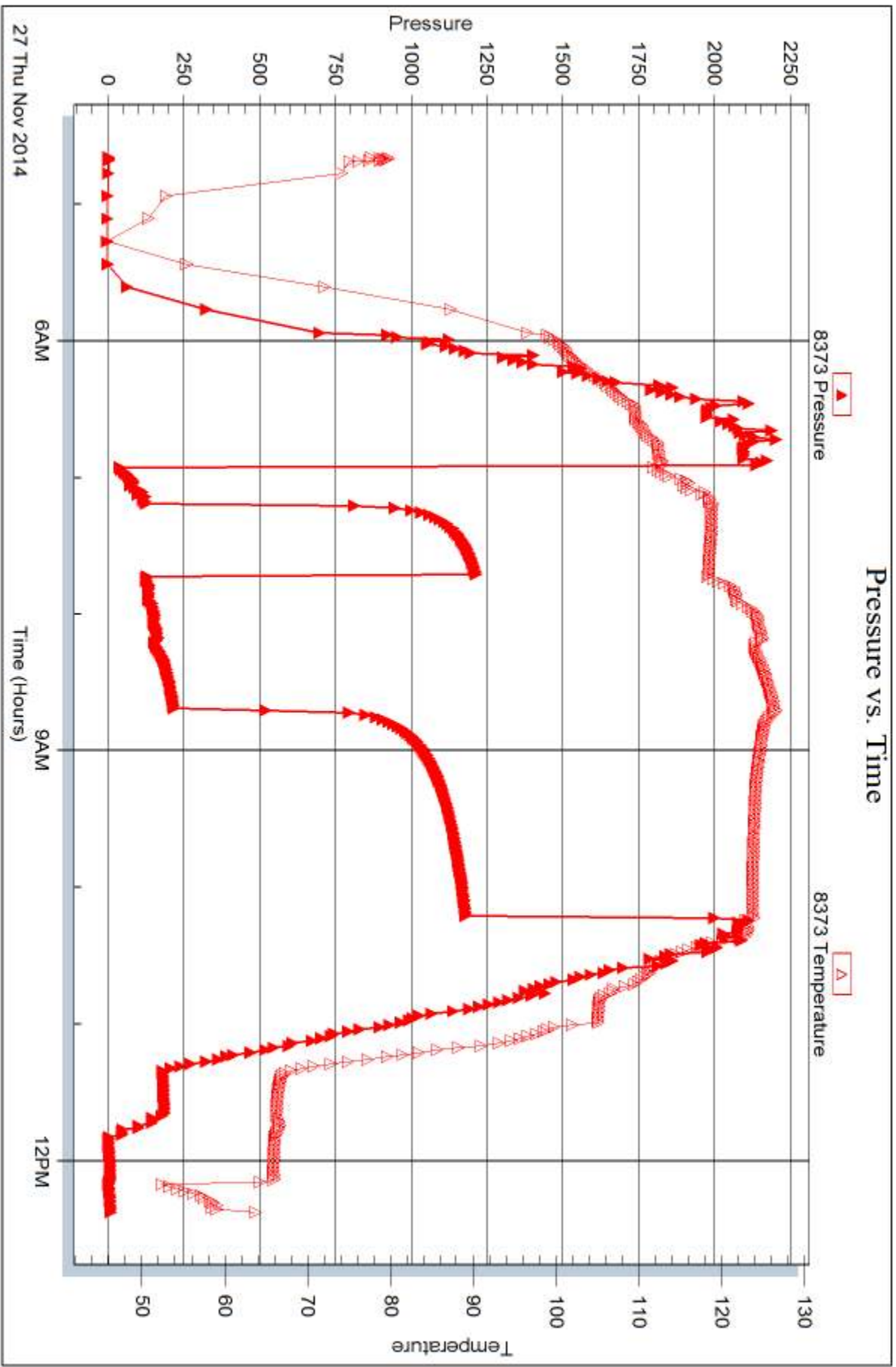


Serial #: 8373

Outside Norstar Petroleum Inc.

Solomon Creek #1-34

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Norstar Petroleum Inc.**

88 Inverness Cir A Unit f104
Englewood CO 80112

ATTN: Tyler Sanders

Solomon Creek #1-34

34-9s-35w Thomas,KS

Start Date: 2014.11.27 @ 19:08:32

End Date: 2014.11.28 @ 00:48:26

Job Ticket #: 58608 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.12.03 @ 13:50:57

Norstar Petroleum Inc.

34-9s-35w Thomas,KS

Solomon Creek #1-34

DST # 2

KC "1"

2014.11.27



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Norstar Petroleum Inc.
 88 Inverness Cir A Unit f104
 Englewood CO 80112
 ATTN: Tyler Sanders

34-9s-35w Thomas,KS
Solomon Creek #1-34
 Job Ticket: 58608 **DST#: 2**
 Test Start: 2014.11.27 @ 19:08:32

GENERAL INFORMATION:

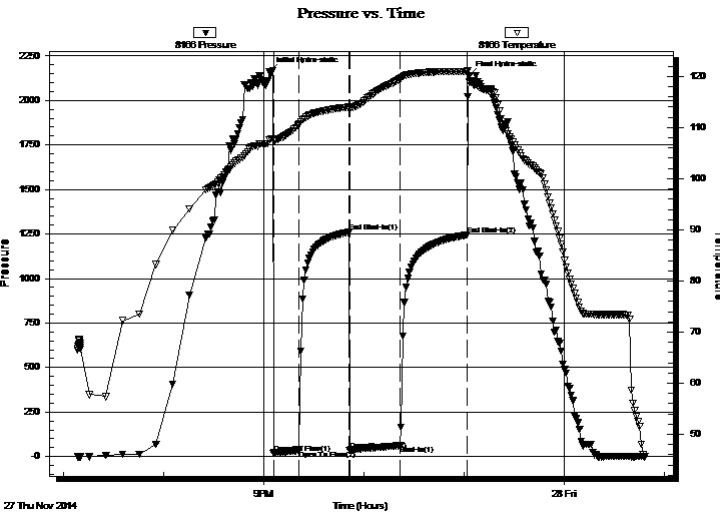
Formation: **KC "I"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:05:57
 Time Test Ended: 00:48:26
 Interval: **4387.00 ft (KB) To 4415.00 ft (KB) (TVD)**
 Total Depth: 4415.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Reset)
 Tester: James Geier
 Unit No: 79
 Reference Elevations: 3335.00 ft (KB)
 3330.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8166

Outside

Press@RunDepth: 61.27 psig @ 4388.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.11.27 End Date: 2014.11.28 Last Calib.: 2014.11.28
 Start Time: 19:08:32 End Time: 00:48:26 Time On Btm: 2014.11.27 @ 21:03:27
 Time Off Btm: 2014.11.27 @ 23:03:27

TEST COMMENT: IF: 15 1" blow @ end of open
 IS: 30 No return
 FF: 30 1/8 " blow / died @ 25 min.
 FS: 30 No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2164.43	107.65	Initial Hydro-static
3	19.64	107.45	Open To Flow (1)
18	33.61	110.50	Open To Flow (2)
48	1260.12	114.03	End Shut-In(1)
48	36.19	113.49	Open To Flow (3)
79	61.27	119.56	Shut-In(1)
119	1244.59	121.03	End Shut-In(2)
120	2141.66	118.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Mud	0.98

* 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.

34-9s-35w Thomas,KS

88 Inverness Cir A Unit f104
Englewood CO 80112

Solomon Creek #1-34

Job Ticket: 58608

DST#: 2

ATTN: Tyler Sanders

Test Start: 2014.11.27 @ 19:08:32

Tool Information

Drill Pipe:	Length: 4250.00 ft	Diameter: 2.25 inches	Volume: 20.90 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 3.80 inches	Volume: 1.68 bbl	Weight to Pull Loose:	90000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
			- bbl	String Weight: Initial	60000.00 lb
Drill Pipe Above KB:	6.00 ft			Final	60000.00 lb
Depth to Top Packer:	4387.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	28.00 ft				
Tool Length:	51.00 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		Inside	4365.00	
Shut In Tool	5.00			4370.00	
Hydraulic tool	5.00			4375.00	
Safety Joint	3.00			4378.00	
Packer	5.00			4383.00	23.00 Bottom Of Top Packer
Packer	4.00			4387.00	
Stubb	1.00			4388.00	
Recorder	0.00	8166	Outside	4388.00	
Recorder	0.00	8373	Outside	4388.00	
Perforations	22.00			4410.00	
Bullnose	5.00			4415.00	28.00 Bottom Packers & Anchor

Total Tool Length: 51.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Norstar Petroleum Inc.

34-9s-35w Thomas,KS

88 Inverness Cir A Unit f104
Englewood CO 80112

Solomon Creek #1-34

Job Ticket: 58608

DST#: 2

ATTN: Tyler Sanders

Test Start: 2014.11.27 @ 19:08:32

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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.94 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	Mud	0.982

Total Length: 70.00 ft Total Volume: 0.982 bbl

Num Fluid Samples: 0

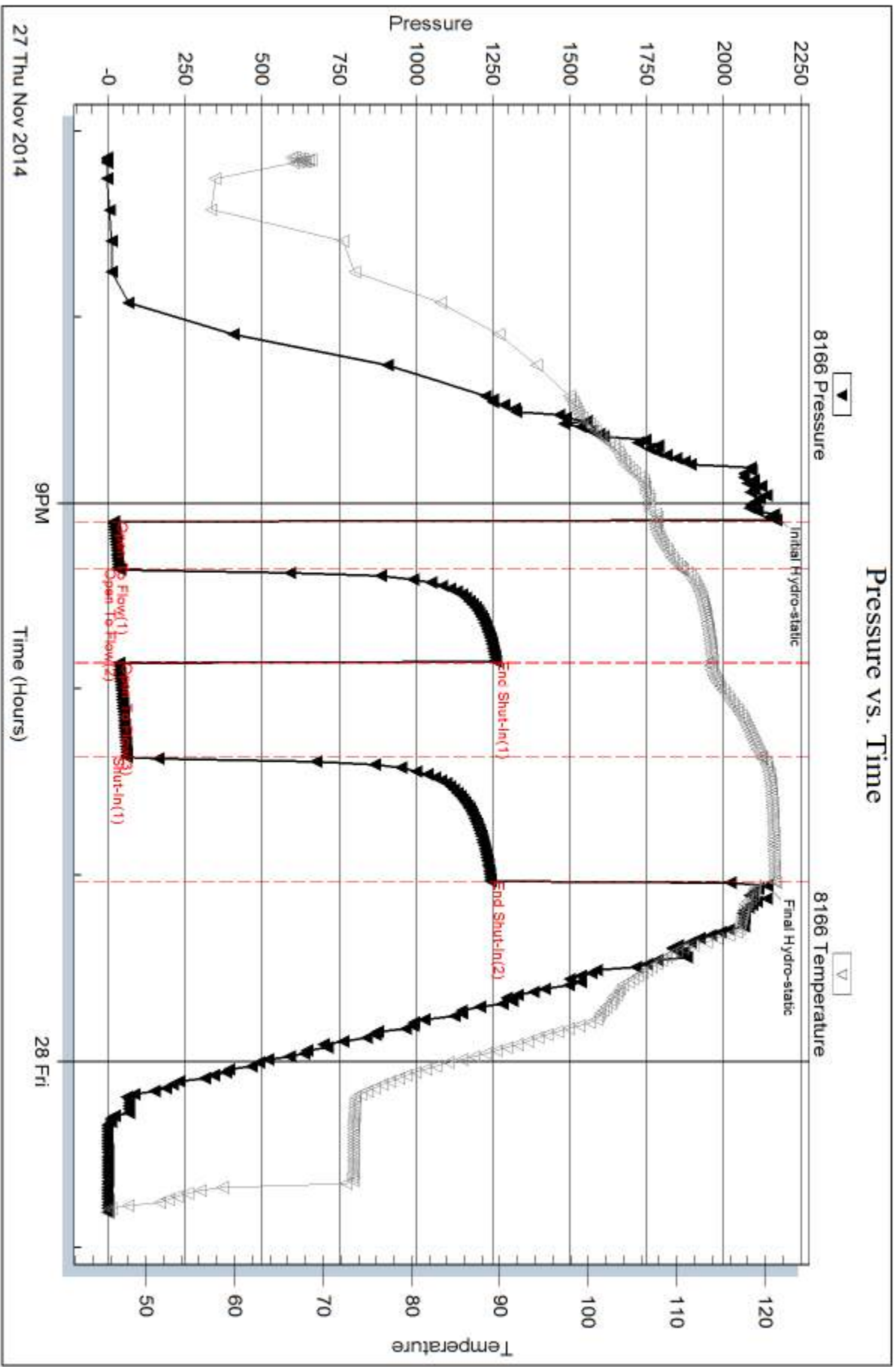
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

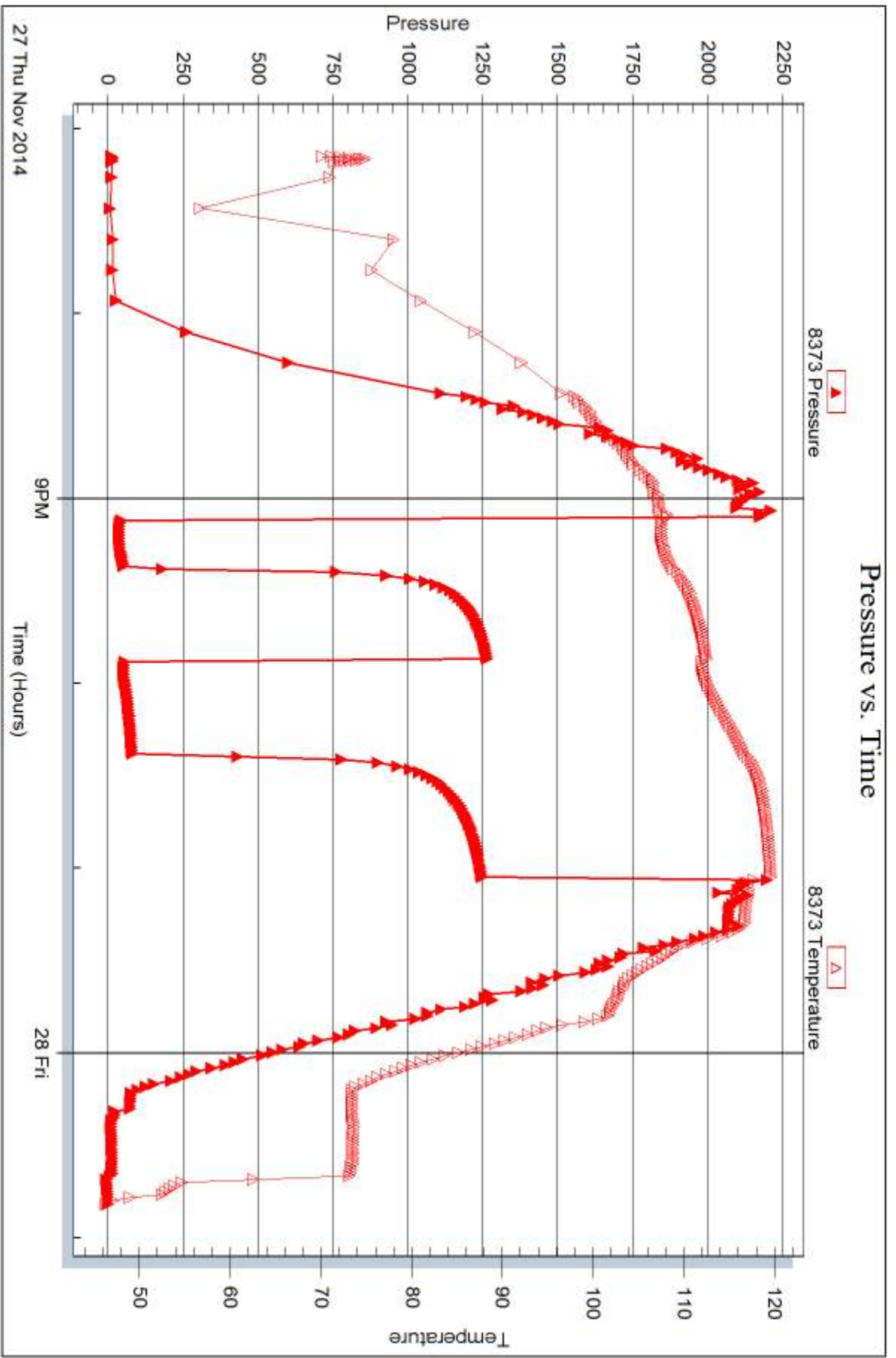


Serial #: 8373

Outside Norstar Petroleum Inc.

Solomon Creek #1-34

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 59608

Printed: 2014, 12, 03 @ 13:50:58



DRILL STEM TEST REPORT

Prepared For: **Norstar Petroleum Inc.**

88 Inverness Cir A Unit f104
Englewood CO 80112

ATTN: Tyler Sanders

Solomon Creek #1-34

34-9s-35w Thomas,KS

Start Date: 2014.11.28 @ 10:41:50

End Date: 2014.11.28 @ 18:35:14

Job Ticket #: 58610 DST #: 3

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.12.03 @ 13:50:28



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Norstar Petroleum Inc.
88 Inverness Cir A Unit f104
Englewood CO 80112
ATTN: Tyler Sanders

34-9s-35w Thomas,KS
Solomon Creek #1-34
Job Ticket: 58610 **DST#: 3**
Test Start: 2014.11.28 @ 10:41:50

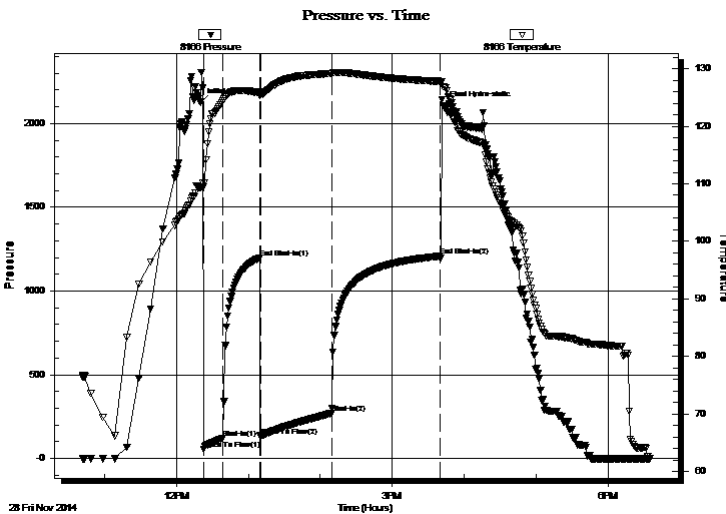
GENERAL INFORMATION:

Formation: **KC**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:22:45
Time Test Ended: 18:35:14
Interval: **4435.00 ft (KB) To 4474.00 ft (KB) (TVD)**
Total Depth: 4474.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole (Reset)
Tester: James Geier
Unit No: 79
Reference Elevations: 3335.00 ft (KB)
3330.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8166 Outside
Press@RunDepth: 269.32 psig @ 4436.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.11.28 End Date: 2014.11.28 Last Calib.: 2014.11.28
Start Time: 10:41:50 End Time: 18:35:14 Time On Btm: 2014.11.28 @ 12:20:15
Time Off Btm: 2014.11.28 @ 15:42:44

TEST COMMENT: IF: 15 BOB in 9 min.
IS: 30 2" return @ end ISI
FF: 60 BOB in 10 min.
FS: 90

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2126.25	109.30	Initial Hydro-static
3	54.16	109.46	Open To Flow (1)
19	121.80	124.36	Shut-In(1)
49	1198.75	125.83	End Shut-In(1)
50	134.21	125.55	Open To Flow (2)
109	269.32	129.18	Shut-In(2)
200	1208.03	127.81	End Shut-In(2)
203	2106.59	126.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	g c o 5% g 95% o	2.62
155.00	g c o m 5% g 35% o 60% m	0.76
120.00	g c w m 5% g 60% w 35% m	0.59

* 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.

34-9s-35w Thomas,KS

88 Inverness Cir A Unit f104
Englewood CO 80112

Solomon Creek #1-34

Job Ticket: 58610

DST#: 3

ATTN: Tyler Sanders

Test Start: 2014.11.28 @ 10:41:50

Tool Information

Drill Pipe:	Length: 4312.00 ft	Diameter: 2.25 inches	Volume: 21.21 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 3.80 inches	Volume: 1.68 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 22.89 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4435.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	39.00 ft			
Tool Length:	62.00 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		Inside	4413.00	
Shut In Tool	5.00			4418.00	
Hydraulic tool	5.00			4423.00	
Safety Joint	3.00			4426.00	
Packer	5.00			4431.00	23.00 Bottom Of Top Packer
Packer	4.00			4435.00	
Stubb	1.00			4436.00	
Recorder	0.00	8166	Outside	4436.00	
Recorder	0.00	8373	Outside	4436.00	
Perforations	33.00			4469.00	
Bullnose	5.00			4474.00	39.00 Bottom Packers & Anchor

Total Tool Length: 62.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Norstar Petroleum Inc.

34-9s-35w Thomas,KS

88 Inverness Cir A Unit f104
Englewood CO 80112

Solomon Creek #1-34

Job Ticket: 58610

DST#: 3

ATTN: Tyler Sanders

Test Start: 2014.11.28 @ 10:41:50

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

48000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.34 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
310.00	g c o 5% g 95% o	2.618
155.00	g c o m 5% g 35% o 60% m	0.762
120.00	g c w m 5% g 60% w 35% m	0.590

Total Length: 585.00 ft Total Volume: 3.970 bbl

Num Fluid Samples: 0

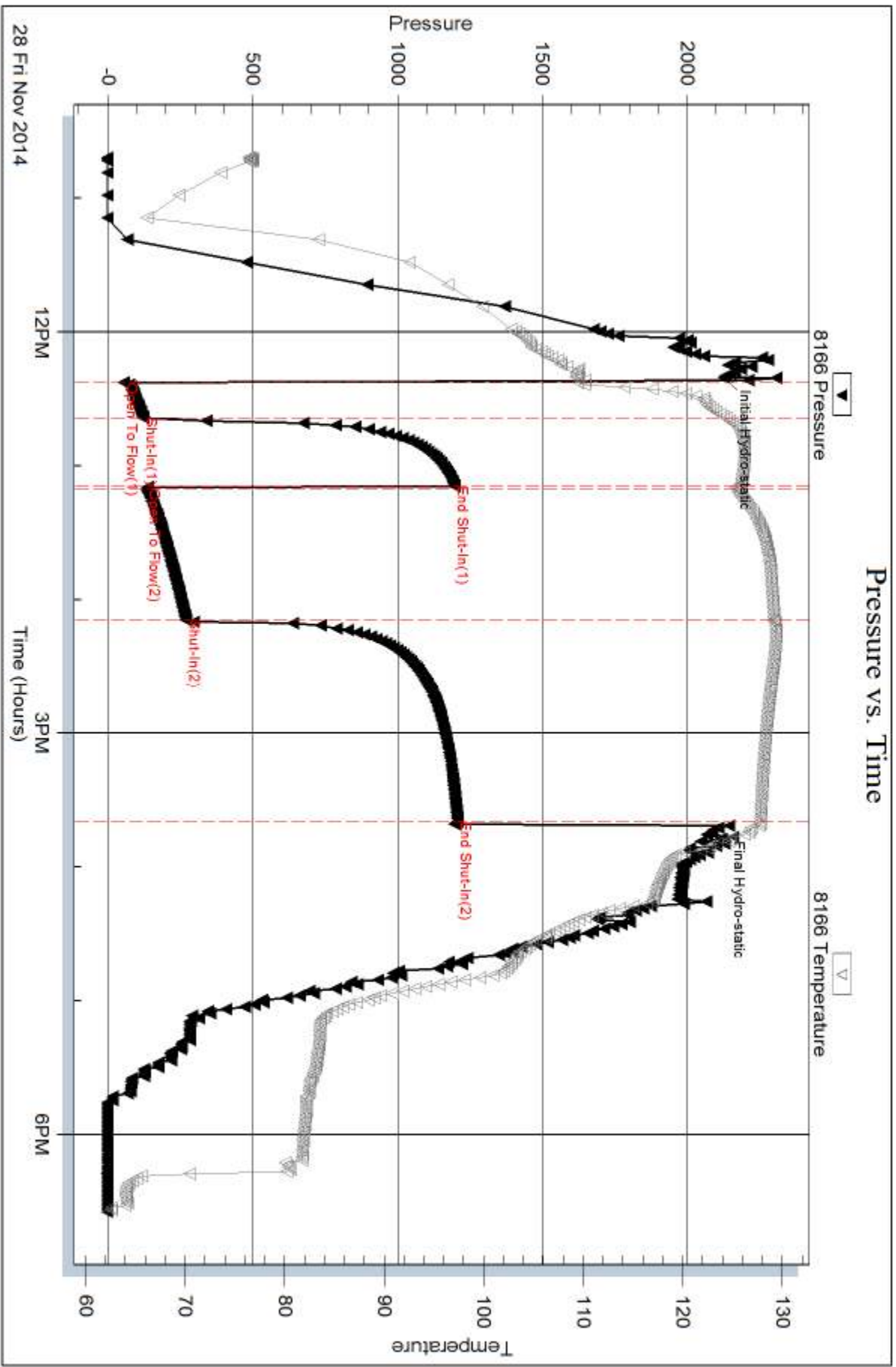
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gas in pipe 445'

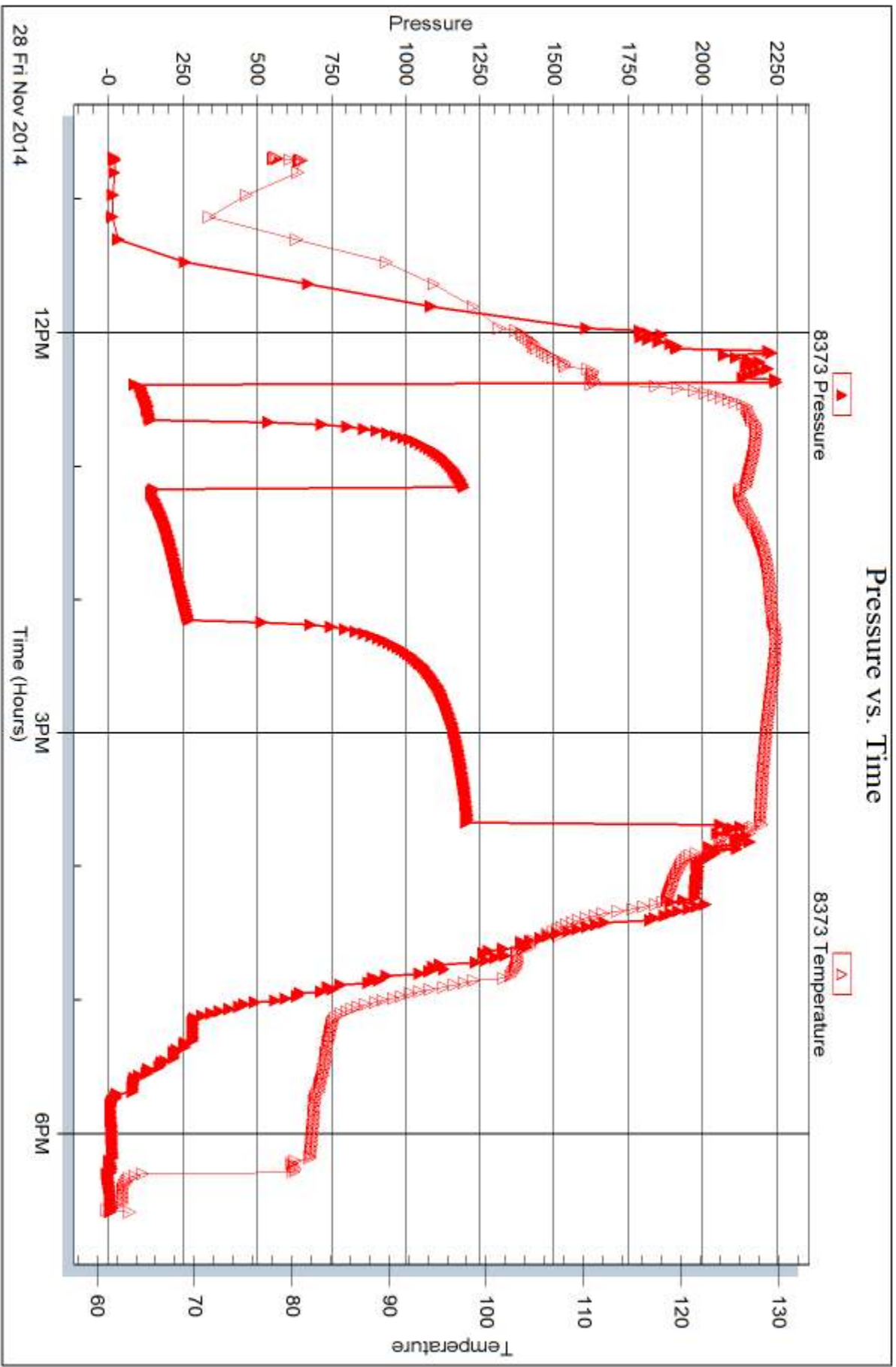


Serial #: 8373

Outside Norstar Petroleum Inc.

Solomon Creek #1-34

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 59610

Printed: 2014, 12, 03 @ 13:50:29



DRILL STEM TEST REPORT

Prepared For: **Norstar Petroleum Inc.**

88 Inverness Cir A Unit f104
Englewood CO 80112

ATTN: Tyler Sanders

Solomon Creek #1-34

34-9s-35w Thomas,KS

Start Date: 2014.11.30 @ 05:36:47

End Date: 2014.11.30 @ 13:20:47

Job Ticket #: 59670 DST #: 4

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.12.03 @ 13:49:58

Norstar Petroleum Inc.

34-9s-35w Thomas,KS

Solomon Creek #1-34

DST # 4

Johnson

2014.11.30



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Norstar Petroleum Inc.
 88 Inverness Cir A Unit f104
 Englewood CO 80112
 ATTN: Tyler Sanders

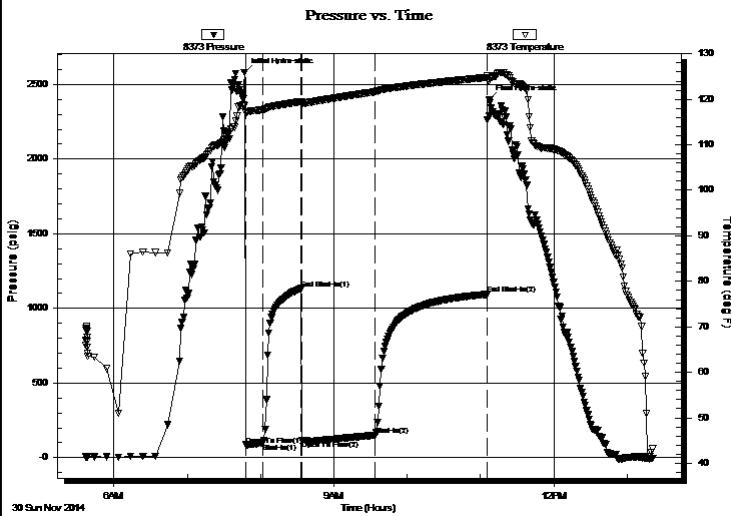
34-9s-35w Thomas,KS
Solomon Creek #1-34
 Job Ticket: 59670 **DST#: 4**
 Test Start: 2014.11.30 @ 05:36:47

GENERAL INFORMATION:

Formation: **Johnson**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 07:47:47 Tester: Brandon Turley
 Time Test Ended: 13:20:47 Unit No: 79
 Interval: **4730.00 ft (KB) To 4804.00 ft (KB) (TVD)** Reference Elevations: 3335.00 ft (KB)
 Total Depth: 4804.00 ft (KB) (TVD) 3330.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 5.00 ft

Serial #: 8373 Outside
 Press@RunDepth: 150.34 psig @ 4799.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.11.30 End Date: 2014.11.30 Last Calib.: 2014.11.30
 Start Time: 05:36:52 End Time: 13:20:46 Time On Btm: 2014.11.30 @ 07:46:47
 Time Off Btm: 2014.11.30 @ 11:07:17

TEST COMMENT: IF: 1/4" blow built to 7" in 15 mins.
 IS: No return.
 FF: BOB in 22 min.
 FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2581.06	118.55	Initial Hydro-static
1	86.19	117.05	Open To Flow (1)
15	97.17	117.70	Shut-In(1)
47	1132.63	119.53	End Shut-In(1)
47	118.70	119.17	Open To Flow (2)
107	150.34	121.65	Shut-In(2)
199	1094.43	124.81	End Shut-In(2)
201	2401.02	124.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	gocm 10%g 10%o 80%m	1.68
248.00	go 10%g 90%o	1.22
0.00	248 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Norstar Petroleum Inc.
88 Inverness Cir A Unit f104
Englewood CO 80112
ATTN: Tyler Sanders

34-9s-35w Thomas,KS
Solomon Creek #1-34
Job Ticket: 59670 **DST#: 4**
Test Start: 2014.11.30 @ 05:36:47

GENERAL INFORMATION:

Formation: **Johnson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:47:47
Time Test Ended: 13:20:47

Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 79

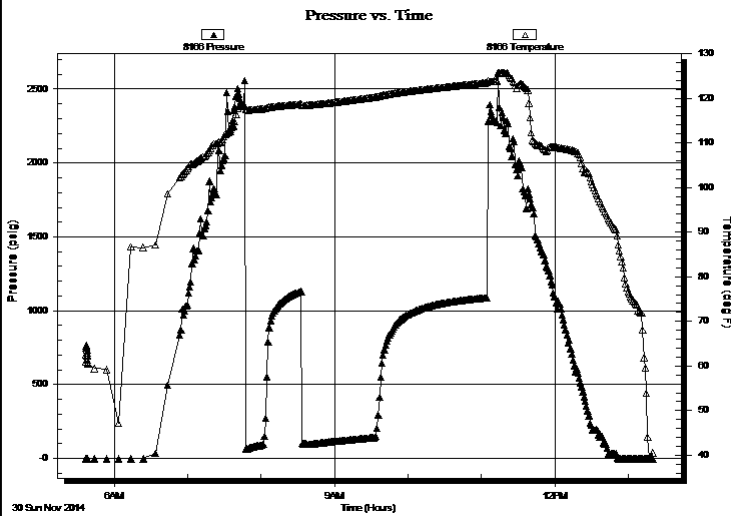
Interval: **4730.00 ft (KB) To 4804.00 ft (KB) (TVD)**
Reference Elevations: 3335.00 ft (KB)
3330.00 ft (CF)
Total Depth: 4804.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 5.00 ft

Serial #: 8166

Outside

Press@RunDepth: psig @ 4799.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.11.30 End Date: 2014.11.30 Last Calib.: 2014.11.30
Start Time: 05:36:45 End Time: 13:20:09 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: 1/4" blow built to 7" in 15 mins.
IS: No return.
FF: BOB in 22 min.
FS: No return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	gocm 10%g 10%o 80%m	1.68
248.00	go 10%g 90%0	1.22
0.00	248 GIP	0.00

* 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.

34-9s-35w Thomas,KS

88 Inverness Cir A Unit f104
Englewood CO 80112

Solomon Creek #1-34

Job Ticket: 59670

DST#: 4

ATTN: Tyler Sanders

Test Start: 2014.11.30 @ 05:36:47

Tool Information

Drill Pipe:	Length: 4597.00 ft	Diameter: 2.25 inches	Volume: 22.61 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 3.80 inches	Volume: 1.68 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 24.29 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4730.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	74.00 ft			
Tool Length:	97.00 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		Inside	4708.00	
Shut In Tool	5.00			4713.00	
Hydraulic tool	5.00			4718.00	
Safety Joint	3.00			4721.00	
Packer	5.00			4726.00	23.00 Bottom Of Top Packer
Packer	4.00			4730.00	
Stubb	1.00			4731.00	
Perforations	3.00			4734.00	
Change Over Sub	1.00			4735.00	
Drill Pipe	63.00			4798.00	
Change Over Sub	1.00			4799.00	
Recorder	0.00	8166	Outside	4799.00	
Recorder	0.00	8373	Outside	4799.00	
Bullnose	5.00			4804.00	74.00 Bottom Packers & Anchor

Total Tool Length: 97.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Norstar Petroleum Inc.

34-9s-35w Thomas,KS

88 Inverness Cir A Unit f104
Englewood CO 80112

Solomon Creek #1-34

Job Ticket: 59670

DST#: 4

ATTN: Tyler Sanders

Test Start: 2014.11.30 @ 05:36:47

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

29 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	gocm 10%g 10%o 80%m	1.683
248.00	go 10%g 90%0	1.220
0.00	248 GIP	0.000

Total Length: 368.00 ft Total Volume: 2.903 bbl

Num Fluid Samples: 0

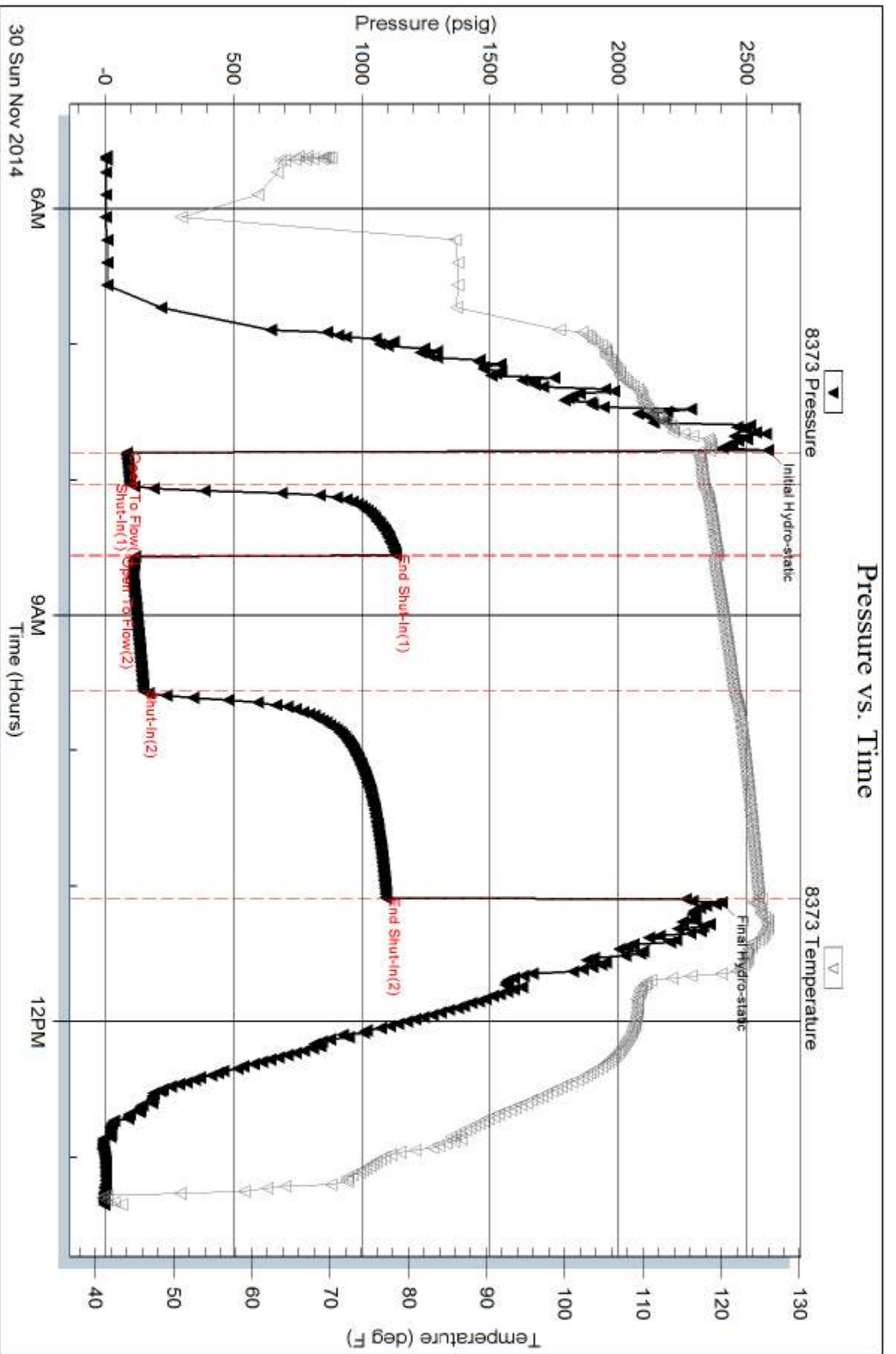
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 26@30=29

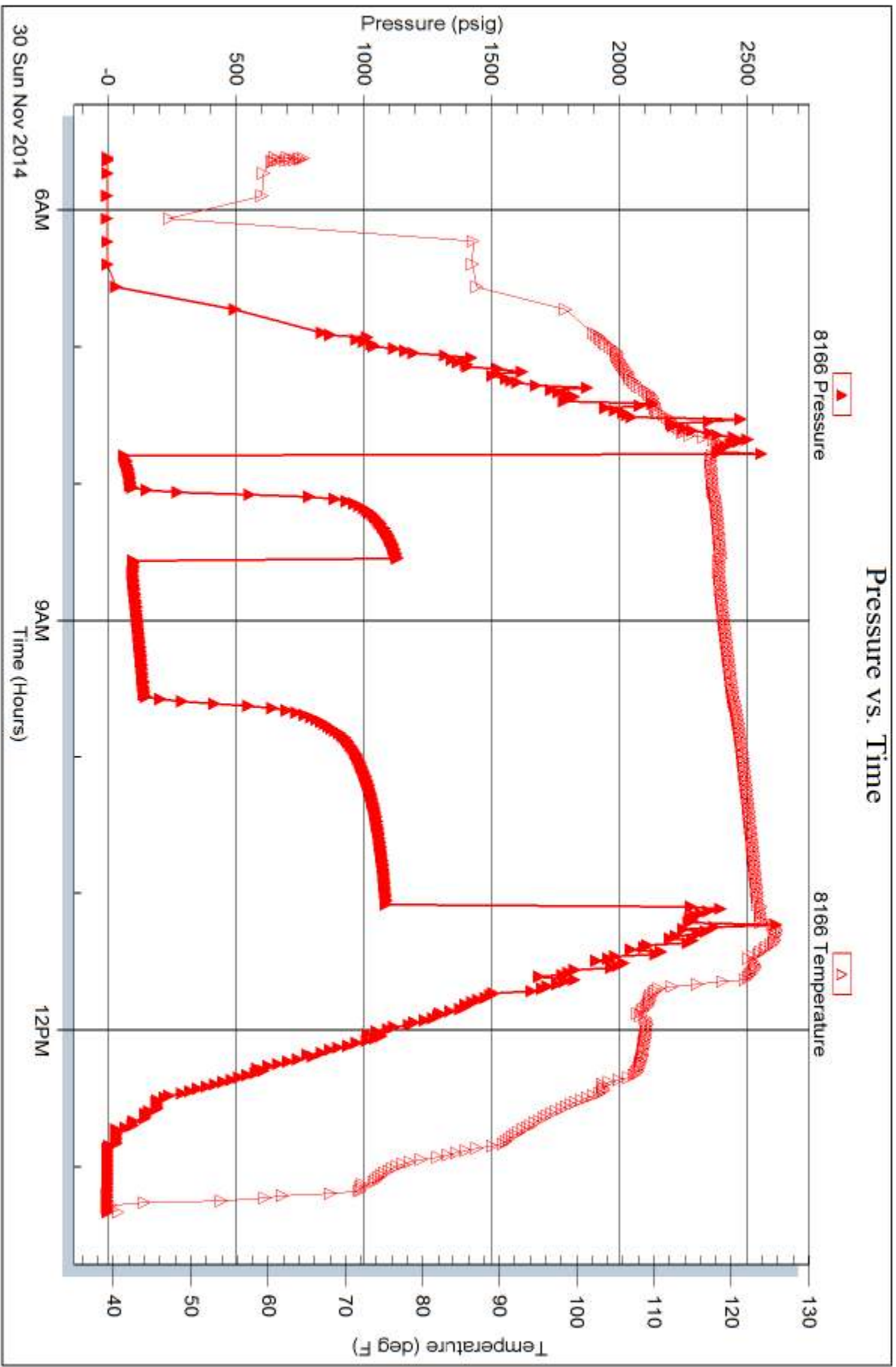


Serial #: 8166

Outside Norstar Petroleum Inc.

Solomon Creek #1-34

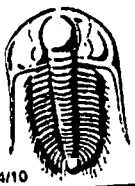
DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 59670

Printed: 2014, 12, 03 @ 13:49:59



TRILOBITE TESTING INC.

1515 Commerce Parkway - Hays, Kansas 67601

JAMES COVIN
(719) 688 9844

Test Ticket

NO. 58607

Well Name & No. Solomon Creek / 34 Test No. 1 Date 11/27/14
 Company Norstar Petroleum Inc Elevation 3330 KB 3335 GL
 Address 88 Inverness Circle Unit F104 Englewood CO 80112
 Co. Rep / Geo. Tyler Sanders Rig UNW Rig 2
 Location: Sec. 34 Twp. 9 Rge. 35W Co. Thomas State KS

Interval Tested 4343 - 4394 Zone Tested KC R 14"
 Anchor Length 51' Drill Pipe Run 4200 Mud Wt. 9.1
 Top Packer Depth 4339 Drill Collars Run 100 Vis 63
 Bottom Packer Depth 4343 Wt. Pipe Run 9 WL 88
 Total Depth 4394 Chlorides 4700 ppm System LCM 2
 Blow Description IP: 6" blow in 15
1st. No Return
FP 5" blow
FST: No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>376</u>	<u>WCM</u>			<u>40</u>	<u>60</u>
<u>120</u>	<u>WCM</u>			<u>40</u>	<u>60</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 496 BHT 123
 (A) Initial Hydrostatic 2147
 (B) First Initial Flow 41
 (C) First Final Flow 1108
 (D) Initial Shut-In 1211
 (E) Second Initial Flow 126
 (F) Second Final Flow 1040
 (G) Final Shut-In 1179
 (H) Final Hydrostatic 2081

Gravity _____ API RW 1.5 @ 60° F Chlorides 4000 ppm
 Test 1250
 Jars _____
 Safety Joint 75
 Circ Sub 1/2
 Hourly Standby _____
 Mileage 160% 148 rt 229.10
 Sampler _____
 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1554.40

T-On Location 0245
 T-Started 0439
 T-Open 0650
 T-Pulled 1005
 T-Out 1222
 Comments _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1554.40
 MP/DST Disc't _____

Initial Open 15
 Initial Shut-In 30
 Final Flow 100
 Final Shut-In 90

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. 58608

Well Name & No. Solomon Creek #1-34 Test No. 2 Date 11/27/14
 Company Nonstar Petroleum Inc Elevation 3335 KB 3330 GL
 Address 880 W. Kansas Ave "e" unit Flat Englewood Co 80112
 Co. Rep / Geo. Lyle Sanders Rig WN Rig 8
 Location: Sec. 34 Twp. 9 Rge. 35W Co. Thomas State KS

Interval Tested 4387-4415 Zone Tested KC "I"
 Anchor Length 28 Drill Pipe Run 4250 Mud Wt. 9.1
 Top Packer Depth 4383 Drill Collars Run 120 Vis SB
 Bottom Packer Depth 4387 Wt. Pipe Run 0 WL 8.0
 Total Depth 4415 Chlorides 5500 ppm System LCM 1

Blow Description IP: 1" flow @ end
ISI: No Return
PF: 1/2" blow/died @ 25min
FST: No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>70</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 70 BHT 119 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2173 Test 1250 T-On Location 1900
 (B) First Initial Flow 44 Jars _____ T-Started 1908
 (C) First Final Flow 1150 Safety Joint 75 T-Open 2105
 (D) Initial Shut-In 1265 Circ Sub 1/2 T-Pulled 2250
 (E) Second Initial Flow 54 Hourly Standby _____ T-Out 049
 (F) Second Final Flow 1134 Mileage 1609.4 229.40 Comments _____
 (G) Final Shut-In 1245 Sampler _____
 (H) Final Hydrostatic 2032 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1554.40
 Accessibility _____ MP/DST Disc'y _____

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

Sub Total 1554.40

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. **58610**

4/10

Well Name & No. Solomon Creek 1-34 Test No. 13 Date 11/28/14
 Company NonStop Petroleum Inc Elevation 3335 KB 3330 GL
 Address 28 Inverness Ave Unit #104 Englewood CO 80112
 Co. Rep / Geo. Tyler Sanders Rig 10W Rig B
 Location: Sec. 34 Twp. 9 Rge. 35W Co. Thomas State Ks

Interval Tested 4435-4474 Zone Tested _____
 Anchor Length 39 Drill Pipe Run _____ Mud Wt. 9.2
 Top Packer Depth 4431 Drill Collars Run 100 Vis 54
 Bottom Packer Depth 4435 Wt. Pipe Run 0 WL 10.4
 Total Depth 4474 Chlorides 6000 ppm System LCM 1

Blow Description IF: 30B in 9min
ISI: 2" return @ end SI
FF: 30B in 10min
KSI: 1/2" return plan

Rec	Feet of	%gas	%oil	%water	%mud
<u>310</u>	<u>900</u>	<u>5</u>	<u>95</u>		
<u>155</u>	<u>900m</u>	<u>5</u>	<u>35</u>		<u>60</u>
<u>120</u>	<u>900m</u>	<u>5</u>		<u>60</u>	<u>35</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

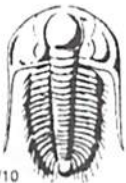
Rec Total 585 BHT 127 Gravity 33 API RW 46 @ 63 °F Chlorides 18000 ppm

(A) Initial Hydrostatic 2247 Test 1250 T-On Location 1600
 (B) First Initial Flow 88 Jars _____ T-Started 1041
 (C) First Final Flow 137 Safety Joint 75 T-Open 1221
 (D) Initial Shut-In 1185 Circ Sub N/E T-Pulled 1536
 (E) Second Initial Flow 144 Hourly Standby _____ T-Out 1835
 (F) Second Final Flow 263 Mileage 160 1/4 229.40 Comments _____
 (G) Final Shut-In 1205 Sampler _____
 (H) Final Hydrostatic 2150 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1554.40
 Accessibility _____ MP/DST Disc _____

Initial Open 15
 Initial Shut-In 30
 Final Flow 600
 Final Shut-In 90
 Sub Total 1554.40

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. 59670

Well Name & No. Solomon creek 1-34 Test No. 4 Date 11-30-14
 Company Norstar Pet Elevation 3335 KB 3330 GL
 Address _____
 Co. Rep / Geo. Tyler Sanders Rig WW#8
 Location: Sec. 34 Twp. 9 Rge. 35W Co. Thomas State KS

Interval Tested 4730 4804 Zone Tested Johnson
 Anchor Length _____ Drill Pipe Run 4597 Mud Wt. 9.3
 Top Packer Depth _____ Drill Collars Run 120 Vis 57
 Bottom Packer Depth 4730 Wt. Pipe Run _____ WL 10.2
 Total Depth 4804 Chlorides 6600 ppm System LCM 1

Blow Description IF: 1/4 blow built to 7 in 15 min.
FS: No return.
FF: BoB in 22 min.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>248</u>	<u>90</u>	<u>10</u>	<u>90</u>		
<u>120</u>	<u>90cm</u>	<u>10</u>	<u>10</u>		<u>80</u>
	<u>248 GEP</u>				

Rec Total 368 BHT 124 Gravity 29 API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2581</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>5:00</u>
(B) First Initial Flow <u>86</u>	<input type="checkbox"/> Jars <u>250</u>	T-Started <u>5:36</u>
(C) First Final Flow <u>97</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>7:45</u>
(D) Initial Shut-In <u>1132</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIC</u>	T-Pulled <u>11:00</u>
(E) Second Initial Flow <u>118</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>13:20</u>
(F) Second Final Flow <u>150</u>	<input checked="" type="checkbox"/> Mileage <u>162-X2</u> 229.40	Comments _____
(G) Final Shut-In <u>1694</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2401</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>15</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>350</u>
Final Flow <u>60</u>	<input checked="" type="checkbox"/> Day Standby <u>1d 10.5h</u>	Total <u>2383.80</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>2033.80</u>	

Approved By _____ Our Representative _____
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