



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: _____



1088575

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
---	---

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	Downing-Nelson Oil Co Inc
Well Name	Saxton Family 2-19
Doc ID	1088575

Tops

Name	Top	Datum
Top Anhydrite	1351'	+820
Base Anhydrite	1375'	+798
Heebner	3685'	-1512
LKC	3737'	-1564
BKC	4044'	-1871
Fort Scott	4232'	-2059
Cherokee Shale	4250'	-2077
Mississippi	4301'	-2128



DRILL STEM TEST REPORT

Prepared For: **Downing-Nelson Oil Co Inc**

PO Box 1019
Hays KS 67601

ATTN: Al Downing

Saxton Family #2-19

19-20s-20w Pawnee,KS

Start Date: 2012.06.28 @ 17:10:00

End Date: 2012.06.28 @ 22:48:24

Job Ticket #: 45912 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.07.06 @ 09:48:47



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc

19-20s-20w Pawnee,KS

PO Box 1019
Hays KS 67601

Saxton Family #2-19

Job Ticket: 45912

DST#: 1

ATTN: Al Dow ning

Test Start: 2012.06.28 @ 17:10:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:02:25

Time Test Ended: 22:48:24

Test Type: Conventional Bottom Hole (Initial)

Tester: Will MacLean

Unit No: 40

Interval: 4272.00 ft (KB) To 4311.00 ft (KB) (TVD)

Reference Elevations: 2172.00 ft (KB)

Total Depth: 4311.00 ft (KB) (TVD)

2164.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8360

Inside

Press @ Run Depth: 25.74 psig @ 4273.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.28

End Date:

2012.06.28

Last Calib.:

2012.06.28

Start Time:

17:10:00

End Time:

22:48:24

Time On Btm:

2012.06.28 @ 19:02:10

Time Off Btm:

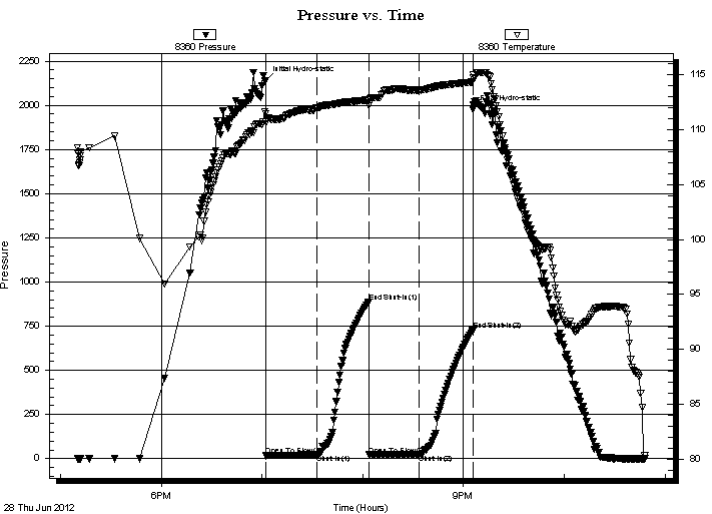
2012.06.28 @ 21:05:40

TEST COMMENT: IF- 1/4" Blow Died back to Weak Surface Blow

IS- No Blow

FF- Weak Surface Blow Died in 2 min

FS- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2141.66	111.47	Initial Hydro-static
1	17.55	110.68	Open To Flow (1)
31	22.42	111.98	Shut-In(1)
62	887.75	112.69	End Shut-In(1)
62	22.86	112.16	Open To Flow (2)
92	25.74	113.59	Shut-In(2)
124	725.80	114.33	End Shut-In(2)
124	1977.23	114.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	100% m with Few Oil Spots	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Downing-Nelson Oil Co Inc

19-20s-20w Pawnee,KS

PO Box 1019
Hays KS 67601

Saxton Family #2-19

Job Ticket: 45912

DST#: 1

ATTN: Al Downing

Test Start: 2012.06.28 @ 17:10:00

Tool Information

Drill Pipe:	Length: 4228.00 ft	Diameter: 3.80 inches	Volume: 59.31 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 26000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 16000.00 lb
			<u>Total Volume: 59.46 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4272.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	39.00 ft			
Tool Length:	59.00 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			4253.00	
Shut In Tool	5.00			4258.00	
Hydraulic tool	5.00			4263.00	
Packer	5.00			4268.00	20.00 Bottom Of Top Packer
Packer	4.00			4272.00	
Stubb	1.00			4273.00	
Recorder	0.00	8360	Inside	4273.00	
Recorder	0.00	8322	Outside	4273.00	
Perforations	2.00			4275.00	
Change Over Sub	1.00			4276.00	
Drill Pipe	31.00			4307.00	
Change Over Sub	1.00			4308.00	
Bullnose	3.00			4311.00	39.00 Bottom Packers & Anchor

Total Tool Length: 59.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil Co Inc

19-20s-20w Pawnee,KS

PO Box 1019
Hays KS 67601

Saxton Family #2-19

Job Ticket: 45912

DST#: 1

ATTN: Al Dow ning

Test Start: 2012.06.28 @ 17:10:00

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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	100%m with Few Oil Spots	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:

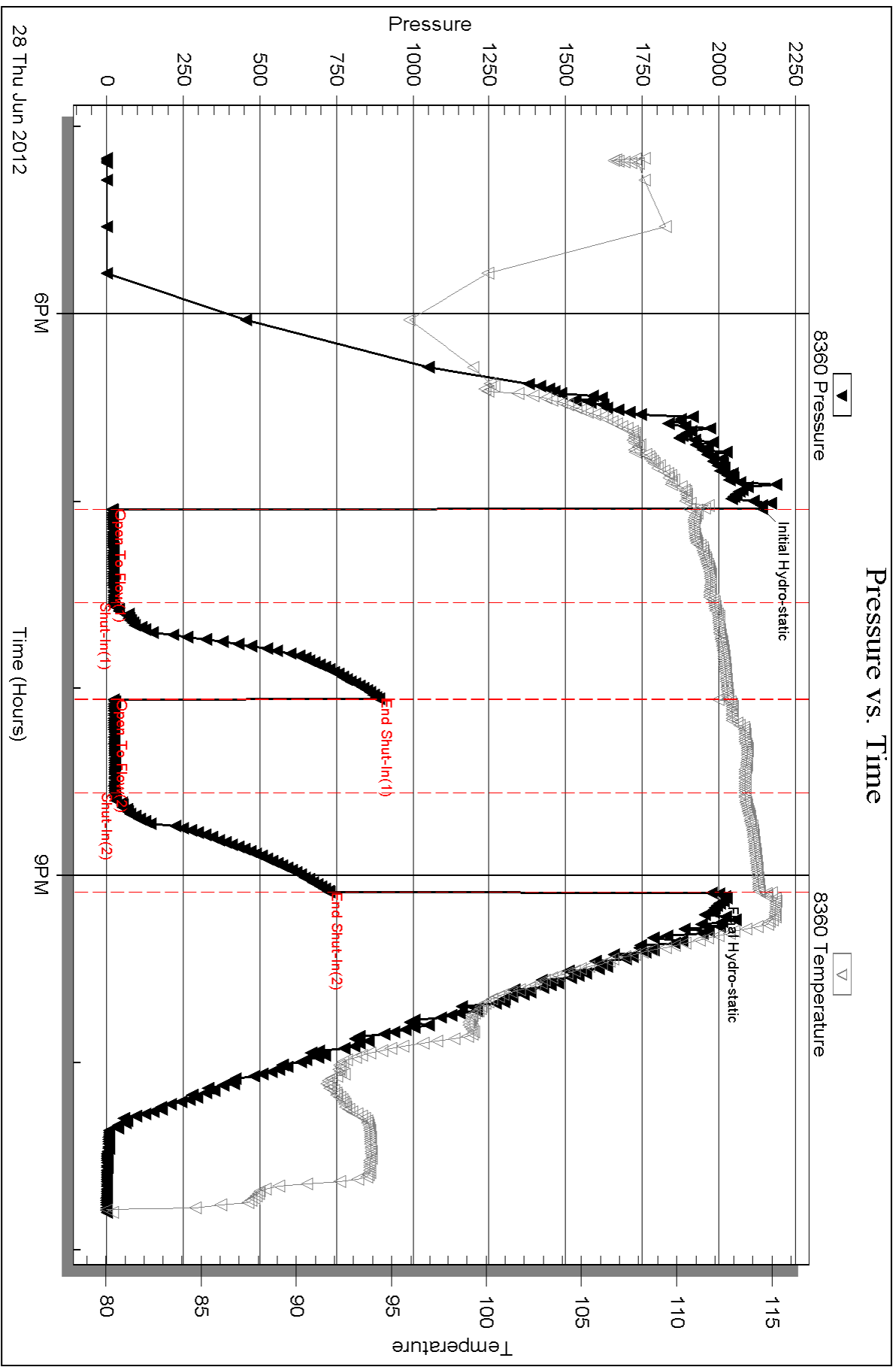
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Inside

Dow n/ing-Nelson Oil Co Inc

Saxton Family #2-19

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 45912

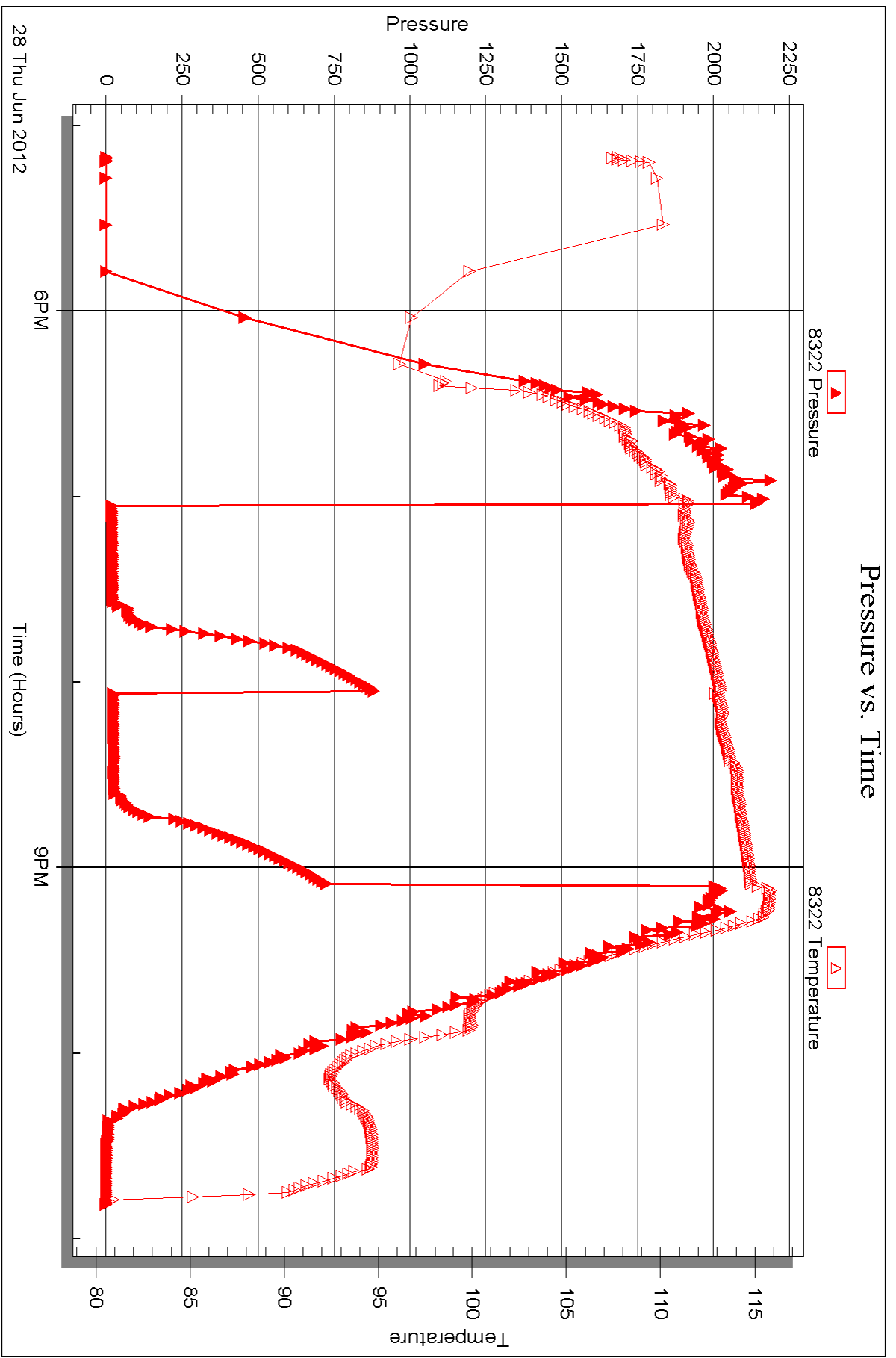
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Serial #: 8322

Outside Dow nung-Nelson Oil Co Inc

Saxton Family #2-19

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Downing-Nelson Oil Co Inc**

PO Box 1019
Hays KS 67601

ATTN: Al Downing

Saxton Family #2-19

19-20s-20w Pawnee,KS

Start Date: 2012.06.29 @ 04:15:58

End Date: 2012.06.29 @ 10:51:58

Job Ticket #: 47409 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.07.06 @ 09:47:47



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc

19-20s-20w Pawnee,KS

PO Box 1019
Hays KS 67601

Saxton Family #2-19

ATTN: Al Dow ning

Job Ticket: 47409

DST#: 2

Test Start: 2012.06.29 @ 04:15:58

GENERAL INFORMATION:

Formation: **Miss (2)**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:01:58

Time Test Ended: 10:51:58

Test Type: Conventional Bottom Hole (Reset)

Tester: Brian Fairbank

Unit No: 41

Interval: 4271.00 ft (KB) To 4320.00 ft (KB) (TVD)

Reference Elevations: 2172.00 ft (KB)

Total Depth: 4320.00 ft (KB) (TVD)

2164.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6752

Inside

Press @RunDepth: 57.97 psig @ 4275.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.29

End Date:

2012.06.29

Last Calib.:

2012.06.29

Start Time: 04:15:59

End Time:

10:51:58

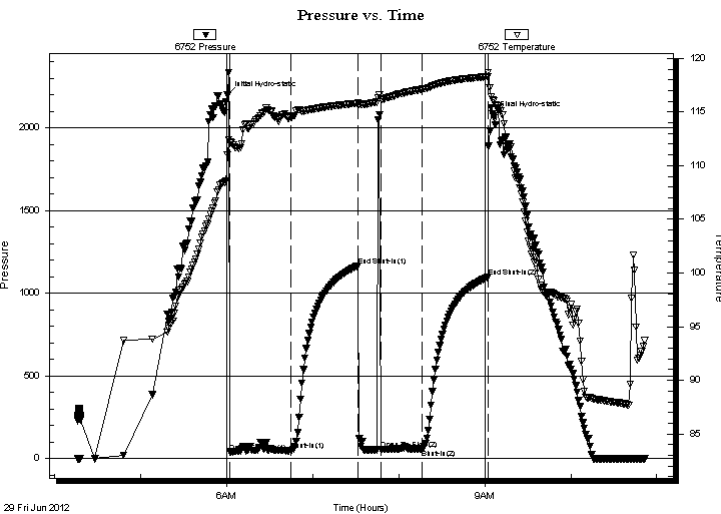
Time On Btm:

2012.06.29 @ 06:00:28

Time Off Btm:

2012.06.29 @ 09:05:58

TEST COMMENT: IFP - weak blow throughout 1/2" - 1 1/2"
ISI - no blow back
FFP - no blow - flush - sur blow throughout
FSI - no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2198.30	111.00	Initial Hydro-static
2	39.28	112.08	Open To Flow (1)
45	47.26	114.47	Shut-In(1)
91	1166.10	115.83	End Shut-In(1)
107	56.53	116.25	Open To Flow (2)
136	57.97	117.13	Shut-In(2)
182	1097.25	118.32	End Shut-In(2)
186	2073.80	116.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	SOCM 10%O, 90%M	0.63

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dow ning-Nelson Oil Co Inc

19-20s-20w Pawnee,KS

PO Box 1019
Hays KS 67601

Saxton Family #2-19

Job Ticket: 47409

DST#: 2

ATTN: Al Dow ning

Test Start: 2012.06.29 @ 04:15:58

Tool Information

Drill Pipe:	Length: 4226.00 ft	Diameter: 3.80 inches	Volume: 59.28 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 72000.00 lb
			<u>Total Volume: 59.43 bbl</u>	Tool Chased 10.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4271.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	49.00 ft			
Tool Length:	69.00 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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Shut In Tool	5.00			4256.00	
Hydraulic tool	5.00			4261.00	
Packer	5.00			4266.00	20.00 Bottom Of Top Packer
Packer	5.00			4271.00	
Stubb	1.00			4272.00	
Perforations	2.00			4274.00	
Change Over Sub	1.00			4275.00	
Recorder	0.00	6752	Inside	4275.00	
Recorder	0.00	6741	Outside	4275.00	
Blank Spacing	31.00			4306.00	
Change Over Sub	1.00			4307.00	
Perforations	10.00			4317.00	
Bullnose	3.00			4320.00	49.00 Bottom Packers & Anchor

Total Tool Length: 69.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil Co Inc

19-20s-20w Pawnee,KS

PO Box 1019
Hays KS 67601

Saxton Family #2-19

Job Ticket: 47409

DST#: 2

ATTN: Al Dow ning

Test Start: 2012.06.29 @ 04:15:58

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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.76 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
65.00	SOCM 10%O, 90%M	0.629

Total Length: 65.00 ft Total Volume: 0.629 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

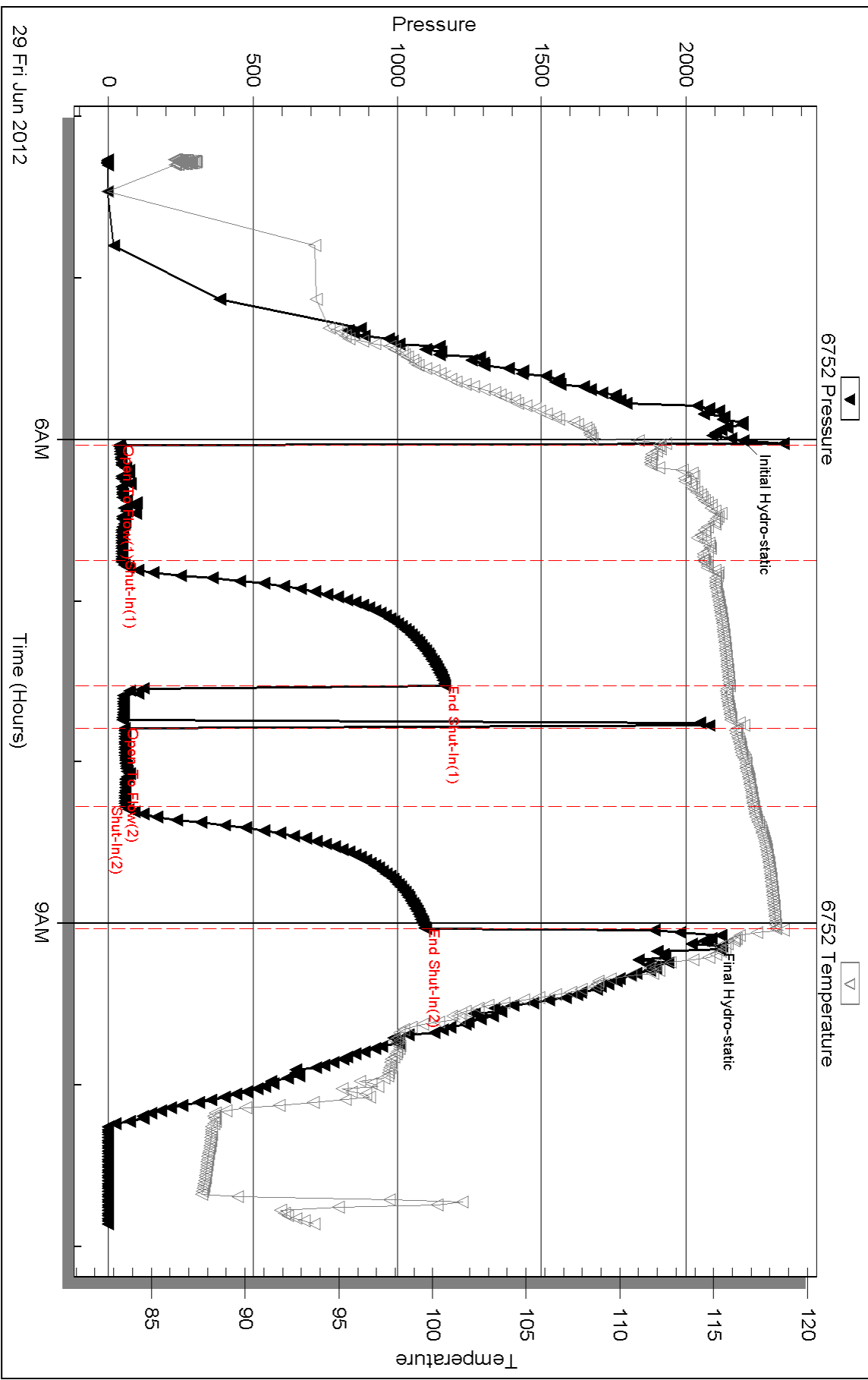
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

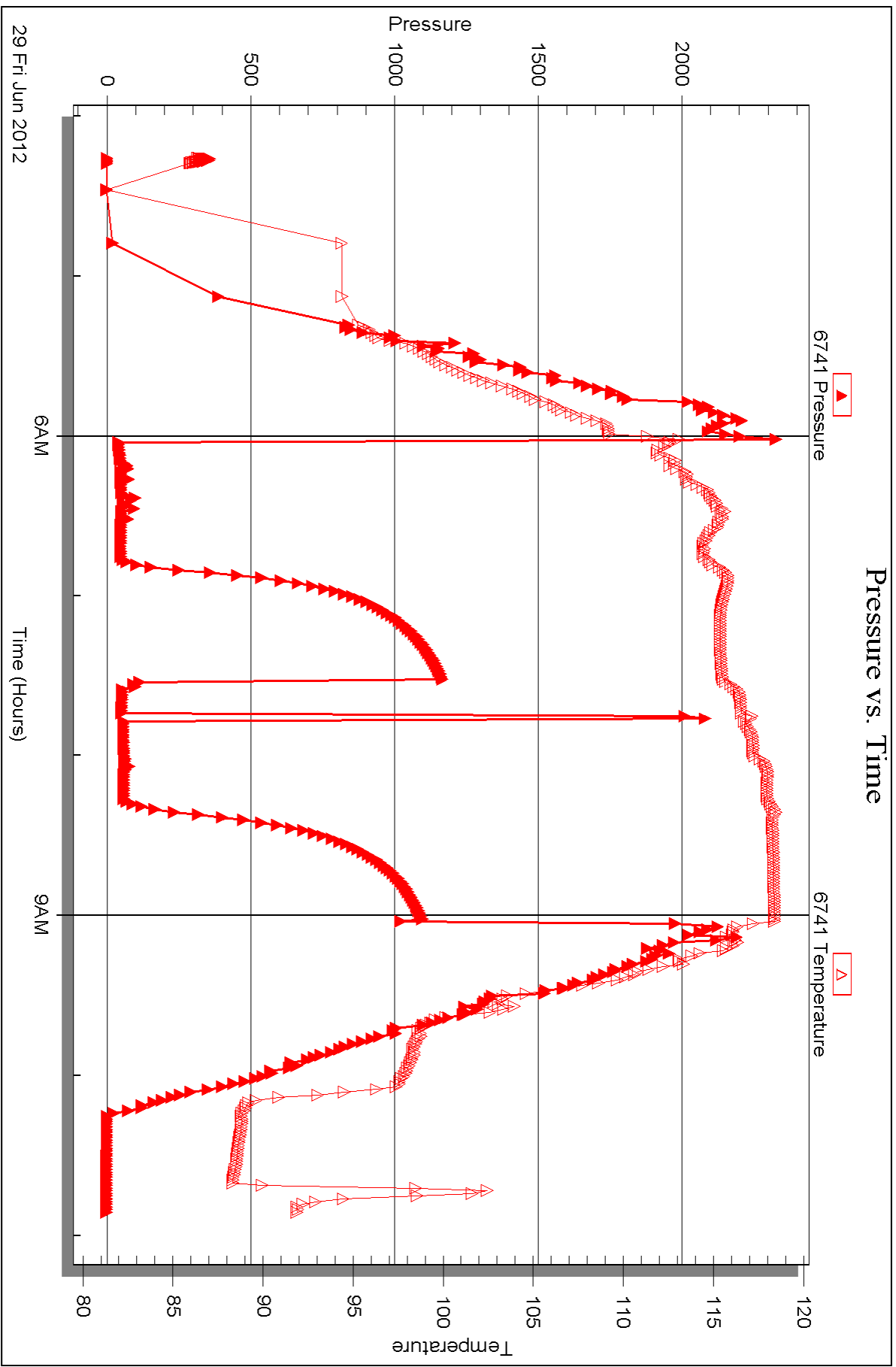


Serial #: 6741

Outside Dow n/ing-Nelson Oil Co Inc

Saxton Family #2-19

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Downing-Nelson Oil Co Inc**

PO Box 1019
Hays KS 67601

ATTN: Al Downing

Saxton Family #2-19

19-20s-20w Pawnee,KS

Start Date: 2012.06.29 @ 17:08:13

End Date: 2012.06.30 @ 00:05:13

Job Ticket #: 47410 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.07.06 @ 09:47:04



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc

19-20s-20w Pawnee,KS

PO Box 1019
Hays KS 67601

Saxton Family #2-19

Job Ticket: 47410

DST#: 3

ATTN: Al Dow ning

Test Start: 2012.06.29 @ 17:08:13

GENERAL INFORMATION:

Formation: **Miss (3)**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:08:13

Time Test Ended: 00:05:13

Test Type: Conventional Bottom Hole (Reset)

Tester: Brian Fairbank

Unit No: 41

Interval: 4271.00 ft (KB) To 4326.00 ft (KB) (TVD)

Reference Elevations: 2172.00 ft (KB)

Total Depth: 4326.00 ft (KB) (TVD)

2164.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6752 Inside

Press @RunDepth: 97.39 psig @ 4276.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.29

End Date:

2012.06.30

Last Calib.:

2012.06.30

Start Time:

17:08:14

End Time:

00:05:13

Time On Btm:

2012.06.29 @ 19:06:43

Time Off Btm:

2012.06.29 @ 22:10:43

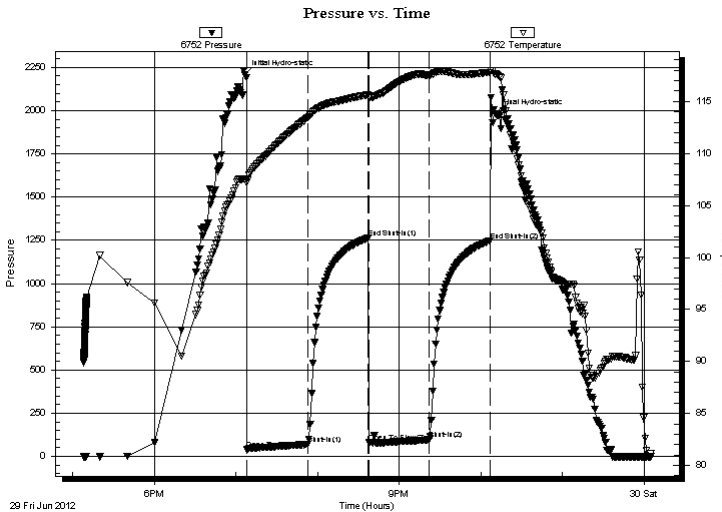
TEST COMMENT: IFP - weak to fair blow 1/2" - 4 1/2"

ISI - no blow back

FFP - no blow 5 min - 3"

FSI - no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2205.89	107.51	Initial Hydro-static
2	40.02	107.22	Open To Flow (1)
46	68.93	113.43	Shut-In(1)
91	1263.31	115.64	End Shut-In(1)
91	82.97	115.42	Open To Flow (2)
136	97.39	117.55	Shut-In(2)
180	1248.18	117.81	End Shut-In(2)
184	1984.12	117.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
139.00	VSOCM 3%O, 97%M	1.67
1.00	HOCM 30%O, 70%M	0.01

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Downing-Nelson Oil Co Inc

19-20s-20w Pawnee,KS

PO Box 1019
Hays KS 67601

Saxton Family #2-19

Job Ticket: 47410

DST#: 3

ATTN: Al Downing

Test Start: 2012.06.29 @ 17:08:13

Tool Information

Drill Pipe:	Length: 4226.00 ft	Diameter: 3.80 inches	Volume: 59.28 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 59.43 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4271.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	75.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4256.00	
Hydraulic tool	5.00			4261.00	
Packer	5.00			4266.00	20.00 Bottom Of Top Packer
Packer	5.00			4271.00	
Stubb	1.00			4272.00	
Perforations	3.00			4275.00	
Change Over Sub	1.00			4276.00	
Recorder	0.00	6752	Inside	4276.00	
Recorder	0.00	6741	Outside	4276.00	
Blank Spacing	31.00			4307.00	
Change Over Sub	1.00			4308.00	
Perforations	15.00			4323.00	
Bullnose	3.00			4326.00	55.00 Bottom Packers & Anchor

Total Tool Length: 75.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil Co Inc

19-20s-20w Pawnee,KS

PO Box 1019
Hays KS 67601

Saxton Family #2-19

Job Ticket: 47410

DST#: 3

ATTN: Al Dow ning

Test Start: 2012.06.29 @ 17:08:13

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:

bbbl

Water Loss: 19.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
139.00	VSOCM 3%O, 97%M	1.667
1.00	HOCM 30%O, 70%M	0.014

Total Length: 140.00 ft

Total Volume: 1.691 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6752

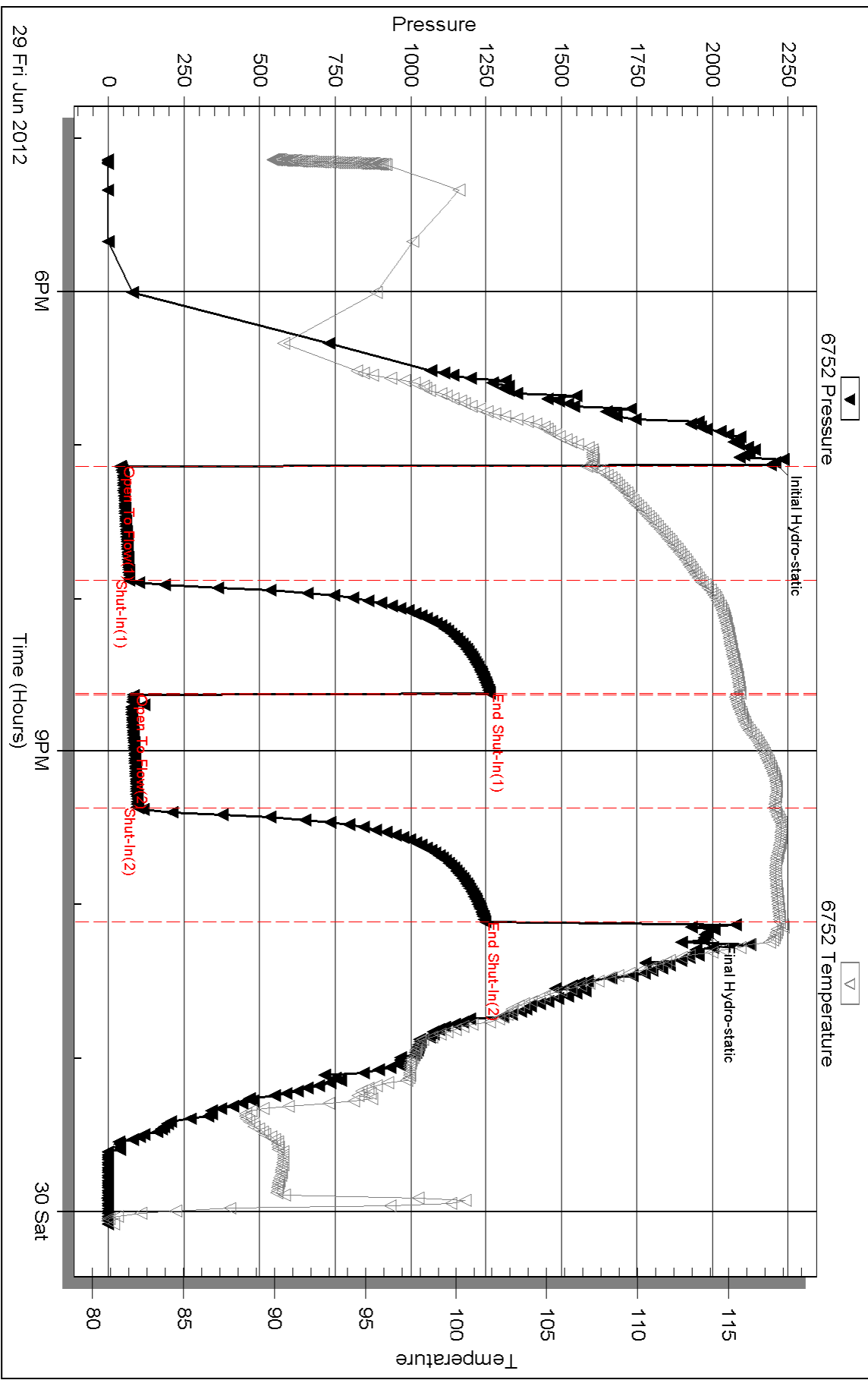
Inside

Dow nung-Nelson Oil Co Inc

Saxton Family #2-19

DST Test Number: 3

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 47410

Printed: 2012.07.06 @ 09:47:06



DRILL STEM TEST REPORT

Prepared For: **Downing-Nelson Oil Co Inc**

PO Box 1019
Hays KS 67601

ATTN: Al Downing

Saxton Family #2-19

19-20s-20w Pawnee,KS

Start Date: 2012.06.30 @ 06:49:43

End Date: 2012.06.30 @ 12:18:13

Job Ticket #: 47411 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.07.06 @ 09:46:24



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc

19-20s-20w Pawnee,KS

PO Box 1019
Hays KS 67601

Saxton Family #2-19

Job Ticket: 47411

DST#: 4

ATTN: Al Dow ning

Test Start: 2012.06.30 @ 06:49:43

GENERAL INFORMATION:

Formation: **Miss (4)**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:41:43

Time Test Ended: 12:18:13

Test Type: Conventional Bottom Hole (Reset)

Tester: Brian Fairbank

Unit No: 41

Interval: 4271.00 ft (KB) To 4333.00 ft (KB) (TVD)

Reference Elevations: 2172.00 ft (KB)

Total Depth: 4333.00 ft (KB) (TVD)

2164.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6752

Inside

Press @ Run Depth: 1121.18 psig @ 4278.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.30

End Date: 2012.06.30

Last Calib.: 2012.06.30

Start Time: 06:49:44

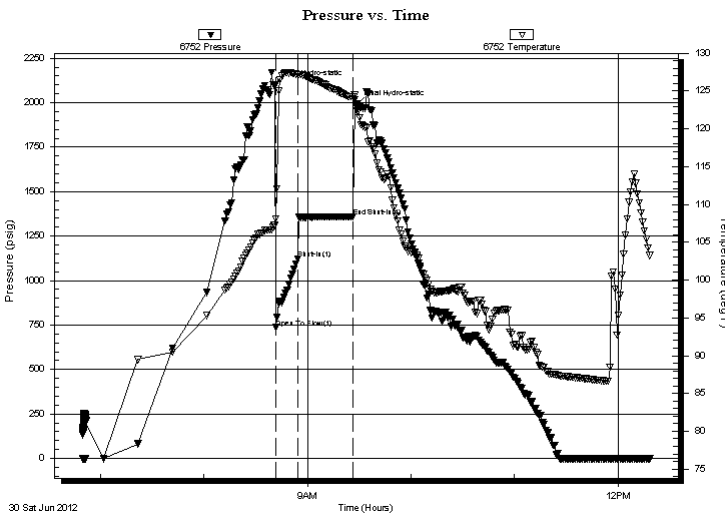
End Time: 12:18:13

Time On Btm: 2012.06.30 @ 08:40:43

Time Off Btm: 2012.06.30 @ 09:28:43

TEST COMMENT: IFP - BOB 30 sec
ISI - no blow back
TIME - 15-30

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2099.36	107.21	Initial Hydro-static
1	735.51	108.12	Open To Flow (1)
14	1121.18	127.21	Shut-In(1)
46	1356.88	124.22	End Shut-In(1)
48	1987.91	122.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1305.00	MW 95%W, 5%M	18.02
525.00	WM 40%W, 60%M	7.36
220.00	DRL MUD 100%	3.09

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dow ning-Nelson Oil Co Inc

19-20s-20w Pawnee,KS

PO Box 1019
Hays KS 67601

Saxton Family #2-19

Job Ticket: 47411

DST#: 4

ATTN: Al Dow ning

Test Start: 2012.06.30 @ 06:49:43

Tool Information

Drill Pipe:	Length: 4226.00 ft	Diameter: 3.80 inches	Volume: 59.28 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 59.43 bbl</u>	Tool Chased 5.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4271.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	62.00 ft			
Tool Length:	82.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			4256.00	
Hydraulic tool	5.00			4261.00	
Packer	5.00			4266.00	20.00 Bottom Of Top Packer
Packer	5.00			4271.00	
Stubb	1.00			4272.00	
Perforations	5.00			4277.00	
Change Over Sub	1.00			4278.00	
Recorder	0.00	6752	Inside	4278.00	
Recorder	0.00	6741	Outside	4278.00	
Blank Spacing	31.00			4309.00	
Change Over Sub	1.00			4310.00	
Perforations	20.00			4330.00	
Bullnose	3.00			4333.00	62.00 Bottom Packers & Anchor

Total Tool Length: 82.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil Co Inc

19-20s-20w Pawnee,KS

PO Box 1019
Hays KS 67601

Saxton Family #2-19

Job Ticket: 47411

DST#: 4

ATTN: Al Dow ning

Test Start: 2012.06.30 @ 06:49:43

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:

40000 ppm

Viscosity: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 19.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
1305.00	MW 95%W, 5%M	18.023
525.00	WM 40%W, 60%M	7.364
220.00	DRL MUD 100%	3.086

Total Length: 2050.00 ft

Total Volume: 28.473 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

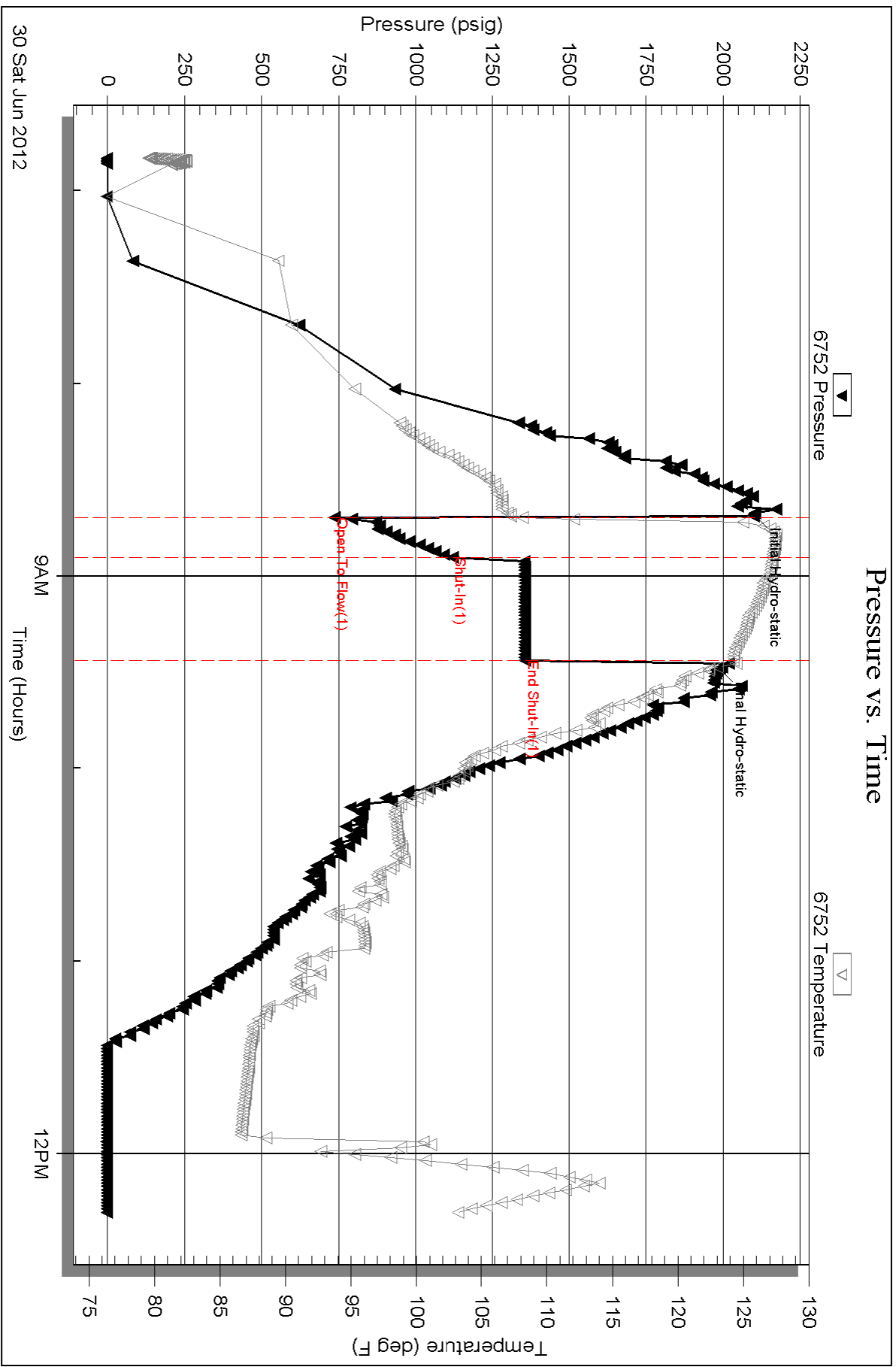
Serial #: 6752

Inside

Dow nung-Nelson Oil Co Inc

Saxton Family #2-19

DST Test Number: 4



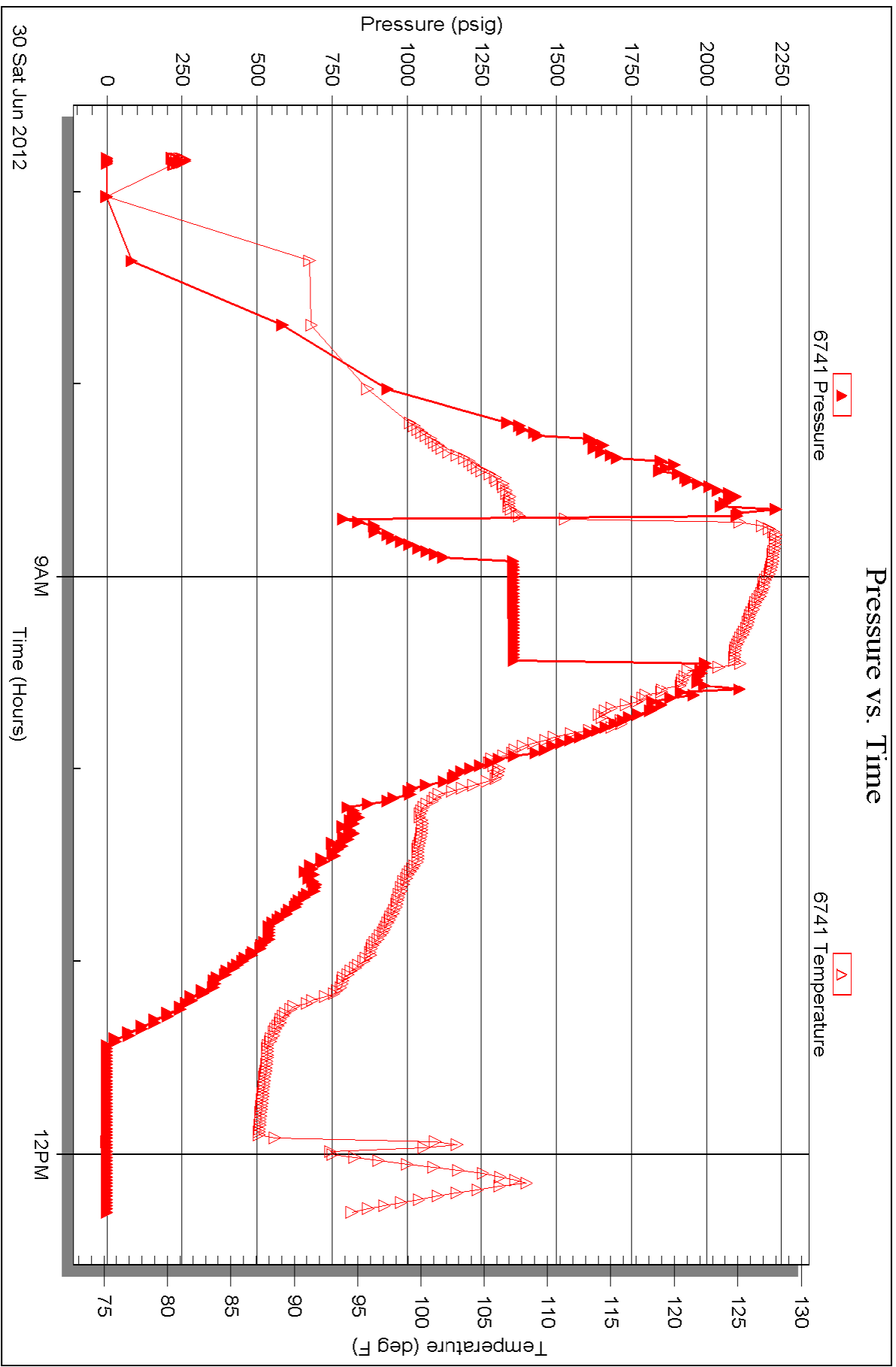
Serial #: 6741

Outside

Dow nung-Nelson Oil Co Inc

Saxton Family #2-19

DST Test Number: 4





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 45912

Well Name & No. Saxton Family #2-19 Test No. DST #1 Date 6-28-12
 Company Downing-Nelson Oil Co. Inc Elevation 2172 KB 2164 GL
 Address P.O. Box 1019 Hays KS 67601
 Co. Rep / Geo. AL Downing Rig Discovery Rig #4
 Location: Sec. 19 Twp. 20S Rge. 20W Co. Pawnee State KS

Interval Tested 4272-4311 Zone Tested Mississippi
 Anchor Length 39 Drill Pipe Run 4228 Mud Wt. 9.2
 Top Packer Depth 4268 Drill Collars Run 30 Vis 49
 Bottom Packer Depth 4272 Wt. Pipe Run 0 WL 10.8
 Total Depth 4311 Chlorides 5800 ppm System LCM 216

Blow Description IF- 1/4" Blow Died back to Weak Surface Blow
ISI- No Blow
EF- Weak Surface Blow Died in 2 min
FSI- No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>Mud with Few 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 10 BHT 111 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2141 Test 1250 T-On Location 16:30
 (B) First Initial Flow 17 Jars T-Started 17:10
 (C) First Final Flow 22 Safety Joint T-Open 19:02
 (D) Initial Shut-In 887 Circ Sub N/C T-Pulled 21:05
 (E) Second Initial Flow 22 Hourly Standby T-Out 22:48
 (F) Second Final Flow 25 Mileage 190 R/T 113rt Comments _____
 (G) Final Shut-In 725 Sampler 175.15 _____
 (H) Final Hydrostatic 1977 Straddle Ruined Shale Packer _____

Initial Open 30 Shale Packer _____ Ruined Packer _____
 Initial Shut-In 30 Extra Packer _____ Extra Copies _____
 Final Flow 30 Extra Recorder _____ Sub Total 0
 Final Shut-In 30 Day Standby _____ Total 1425.15
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1425.15

Approved By _____ Our Representative Will Moran

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.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47409

Well Name & No. Sexton Family 2-19 Test No. 2 Date 6-29-12
 Company DNOC Elevation 2172 KB 2164 GL
 Address _____
 Co. Rep / Geo. Al Downing Rig Discovery 4
 Location: Sec. 19 Twp. 20 Rge. 20 Co. Powder State Ks

Interval Tested 4271-4320 Zone Tested M-30(2)
 Anchor Length 49 Drill Pipe Run 4226 Mud Wt. 9.2
 Top Packer Depth 4266 Drill Collars Run 31 Vis 49
 Bottom Packer Depth 4271 Wt. Pipe Run — WL 10.8
 Total Depth 4320 Chlorides 5800 ppm System LCM _____

Blow Description IIFP - weak blow throughout 1/2" - 1 1/2"
IST - no blow back
FFP - no blow - flush - sur blow throughout
FSI - no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>65</u>	<u>SOCM</u>	<u>10</u>		<u>90</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 65 BHT 118 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2198 Test 1250 T-On Location 0358
 (B) First Initial Flow 39 Jars T-Started 0415
 (C) First Final Flow 47 Safety Joint T-Open 0602
 (D) Initial Shut-In 1166 Circ Sub T-Pulled 0902
 (E) Second Initial Flow 57 Hourly Standby T-Out 1052
 (F) Second Final Flow 58 Mileage 113 RT 175.15 Comments 10' fill on bottom
 (G) Final Shut-In 1097 Sampler _____
 (H) Final Hydrostatic 2084 Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____

Initial Open 45 Extra Packer _____
 Initial Shut-In 45 Extra Recorder _____
 Final Flow 15 - FLH - 30 (45) Day Standby _____
 Final Shut-In 45 Accessibility _____
 Sub Total 1425.15 MP/DST Disc't _____

Approved By _____ Our Representative Brian Farber

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47410

Well Name & No. Sexton Family 2-19 Test No. 3 Date 6-29-12
 Company DNOC Elevation 2172 KB 2164 GL
 Address _____
 Co. Rep / Geo. Gater Rig Discovery 4
 Location: Sec. 19 Twp. 20 Rge. 20 Co. Pawnee State K

Interval Tested 4271-4326 Zone Tested Miss(3)
 Anchor Length 55 Drill Pipe Run 4226 Mud Wt. 9.2
 Top Packer Depth 4266 Drill Collars Run 31 Vis 65
 Bottom Packer Depth 4271 Wt. Pipe Run — WL 20
 Total Depth 4326 Chlorides 8000 ppm System LCM _____
 Blow Description IFP-weak to fair blow 1/2"-4 1/2"
ISI- no blow back
FFP- no blow 5 min- 3"
FSI- no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>HOCM</u>	<u>30</u>		<u>70</u>	
<u>139</u>	<u>USOCM</u>	<u>3</u>		<u>97</u>	
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 140 BHT 118 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2206 Test 1250 T-On Location 1605
 (B) First Initial Flow 40 Jars T-Started 1708
 (C) First Final Flow 69 Safety Joint T-Open 1908
 (D) Initial Shut-In 1263 Circ Sub T-Pulled 2208
 (E) Second Initial Flow 83 Hourly Standby T-Out 2406
 (F) Second Final Flow 97 Mileage 175.15 Comments 2' fill on bottom
 (G) Final Shut-In 1248 Sampler Ruined Shale Packer
 (H) Final Hydrostatic 1984 Straddle Ruined Packer
 Shale Packer Extra Copies
 Extra Packer Extra Recorder
 Extra Recorder Sub Total 0
 Day Standby Total 1425.15
 Accessibility MP/DST Disc't _____
 Sub Total 1425.15

Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45

Approved By _____ Our Representative Brian Fairbank

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47411

Well Name & No. Sexton Family 2-19 Test No. 04 Date 6-30-12
 Company DNOC Elevation 2172 KB 2164 GL
 Address _____
 Co. Rep / Geo. Gator Rig Discovery 4
 Location: Sec. 19 Twp. 20 Rge. 20 Co. Pawnee State K

Interval Tested 4271-4333 Zone Tested Misc (4)
 Anchor Length 62 Drill Pipe Run 4226 Mud Wt. 9.2
 Top Packer Depth 4266 Drill Collars Run 31 Vis 65
 Bottom Packer Depth 4271 Wt. Pipe Run _____ WL 20
 Total Depth 4333 Chlorides 8000 ppm System LCM _____
 Blow Description IFP- BOB 30 sec
ISI- no blow back
FFP-
FST-

Rec	Feet of	%gas	%oil	%water	%mud
<u>220</u>	<u>dril mud</u>			<u>100</u>	
<u>525</u>	<u>WM</u>		<u>40</u>	<u>60</u>	
<u>1305</u>	<u>MW</u>		<u>9.5</u>	<u>5</u>	
_____	_____				
_____	_____				

Rec Total 2050 BHT 124 Gravity _____ API RW .148 @ 92 °F Chlorides 40,000 ppm

(A) Initial Hydrostatic <u>2099</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>0546</u>
(B) First Initial Flow <u>736</u>	<input type="checkbox"/> Jars	T-Started <u>0649</u>
(C) First Final Flow <u>1121</u>	<input type="checkbox"/> Safety Joint	T-Open <u>0841</u>
(D) Initial Shut-In <u>1357</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>0926</u>
(E) Second Initial Flow _____	<input type="checkbox"/> Hourly Standby	T-Out <u>1218</u>
(F) Second Final Flow _____	<input checked="" type="checkbox"/> Mileage 175.15	Comments <u>5' fill on bottom</u>
(G) Final Shut-In _____	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1988</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 _____	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In _____	<input type="checkbox"/> Day Standby	Total <u>1425.15</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total <u>1425.15</u>	

Approved By _____ Our Representative Brian Farbank

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ALLIED OIL & GAS SERVICES, LLC 053668

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Dred Bend, KS

DATE <u>6-30-12</u>	SEC <u>19</u>	TWP <u>20</u>	RANGE <u>20</u>	CALLED OUT	ON LOCATION	JOB START <u>6:30 PM</u>	JOB FINISH <u>7:30 PM</u>
LEASE <u>Jaxlow Family</u>		WELL # <u>2-19</u>		LOCATION <u>Alexander, KS So. to 'V'</u>		COUNTY <u>Jawnee</u>	STATE <u>KS</u>
OLD OR (NEW) (Circle one) <u>(NEW)</u>				<u>1 west 1/4 north west 1/4</u>			

CONTRACTOR <u>Discovery Rig #4</u>	OWNER <u>Downing - Nelson</u>
TYPE OF JOB <u>Refurb</u>	
HOLE SIZE <u>4 7/8</u>	T.D. <u>4333</u>
CASING SIZE	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT	

CEMENT		
AMOUNT ORDERED	<u>700 sks</u>	<u>60/40 per</u>
<u>4 1/2 gal</u>	<u>1/4 floreal</u>	
COMMON	<u>120</u>	@ <u>16.25</u> <u>1950.00</u>
POZMIX	<u>80</u>	@ <u>8.50</u> <u>680.00</u>
GEL	<u>7</u>	@ <u>21.25</u> <u>148.75</u>
CHLORIDE		@
ASC		@
<u>floral</u>	<u>50</u>	@ <u>2.70</u> <u>135.00</u>
		@
		@
		@
		@
		@
		@
		@
HANDLING	<u>216.12</u>	@ <u>2.10</u> <u>453.85</u>
MILEAGE	<u>8.97 x 42.4</u>	<u>2.35</u> <u>885.33</u>
		TOTAL <u>4,252.93</u>

EQUIPMENT	
PUMP TRUCK # <u>378</u>	CEMENTER HELPER <u>Greg KENNE</u>
BULK TRUCK # <u>482/188</u>	DRIVER <u>C Joel M.</u>
BULK TRUCK #	DRIVER

REMARKS:
1st plug mix 80 sks @ 1380 ft
2nd plug mix 50 sks @ 400 ft
3rd plug mix 20 sks @ 60 ft
Ref hole mix 30 sks
Wash hole mix 20 sks

CHARGE TO: Downing - Nelson
 STREET _____
 CITY _____ STATE _____ ZIP _____

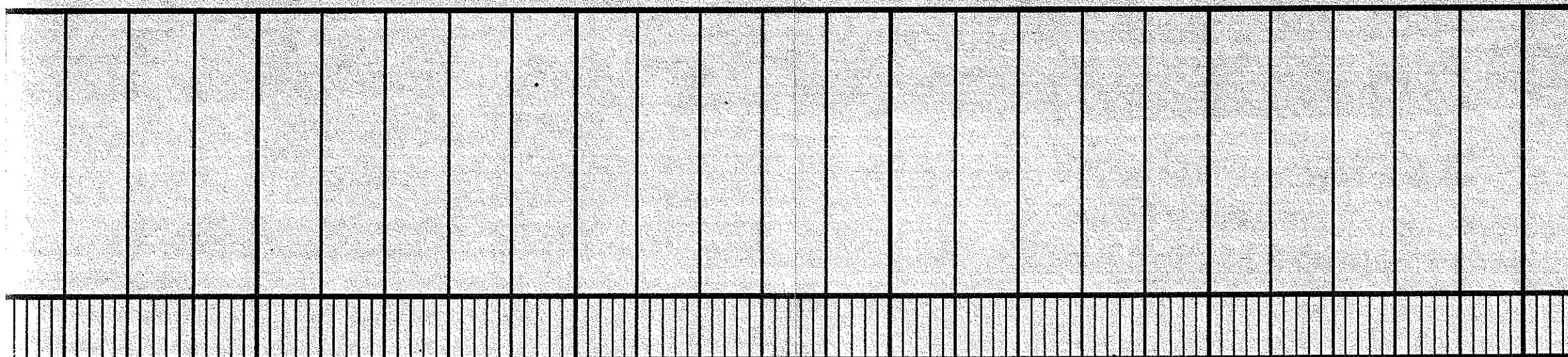
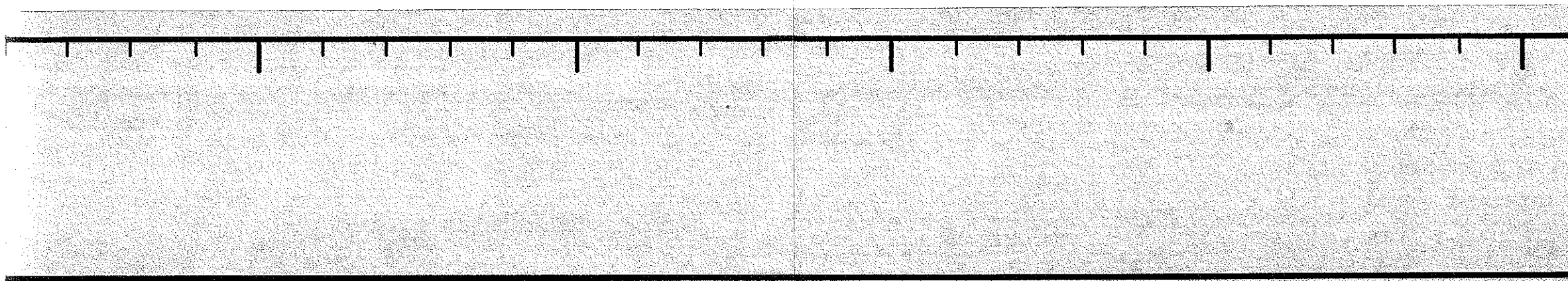
SERVICE		
DEPTH OF JOB	<u>1380</u>	
PUMP TRUCK CHARGE		<u>1250.00</u>
EXTRA FOOTAGE	@	
MILEAGE	<u>Hum 42</u>	@ <u>7.00</u> <u>294.00</u>
MANIFOLD	@	
<u>LUM 42</u>	@ <u>4.00</u>	<u>168.00</u>
	@	
		TOTAL <u>1712.00</u>

PLUG & FLOAT EQUIPMENT		
	@	
	@	
	@	
	@	
	@	
		TOTAL _____

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME _____
 SIGNATURE [Signature]

SALES TAX (If Any)	
TOTAL CHARGES	<u>5,964.93</u>
DISCOUNT	<u>25% 1,491.23</u>
	<u>4,473.69</u>
IF PAID IN 30 DAYS	

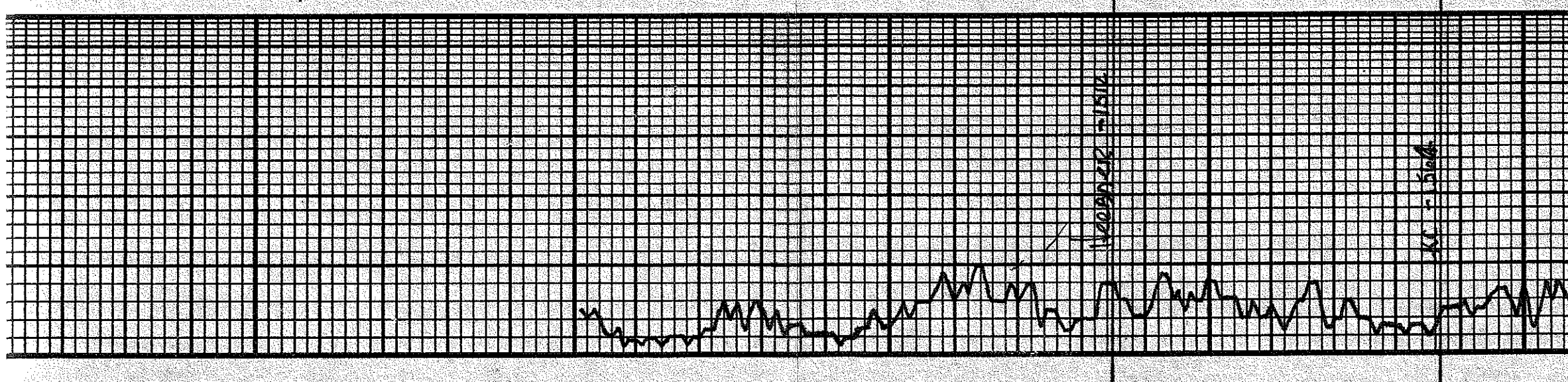


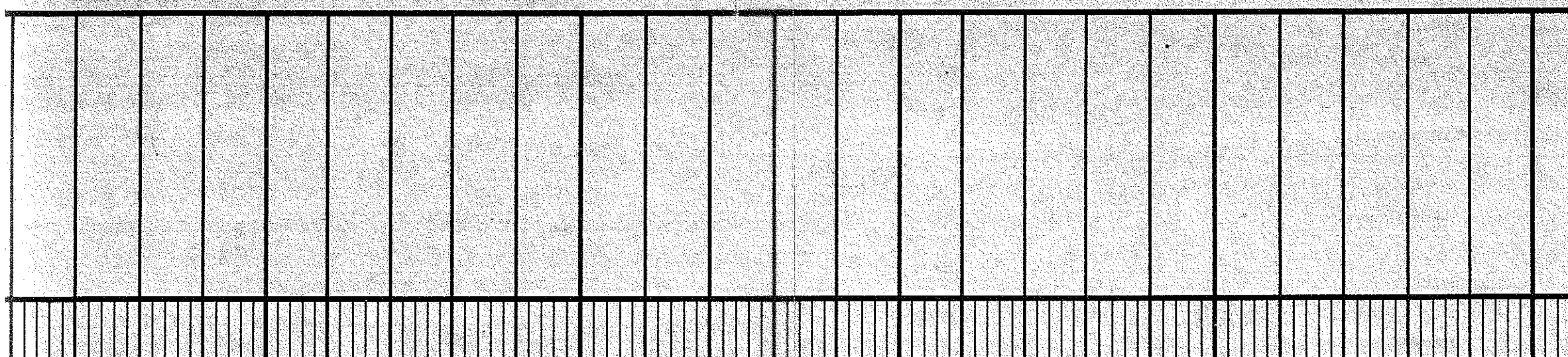
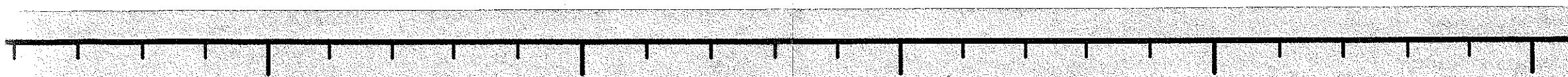
3600

50

3700

50





3800

50

3900

50

4000

