



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: _____



1075109

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	Urban 1-9
Doc ID	1075109

All Electric Logs Run

Sonic
Micro
Dual Induction
Compensated Density / Neutron

Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	Urban 1-9
Doc ID	1075109

Tops

Name	Top	Datum
Top Anhydrite	1078'	+875
Base Anhydrite	1117'	+836
Topeka	2962'	-1009
Heebner	3192'	-1239
Toronto	3210'	-1257
LKC	3241'	-1255
BKC	3466'	-1513
Conglomerate Sand	3494'	-1544
Arbuckle	3529'	-1577

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 580

Date	2-8-12	Sec.	9	Twp.	16	Range	17	County	Rush	State	KS	On Location		Finish	5:15 AM	
Lease	Urban	Well No.	1-9		Location Loretta, ks - 2N to Ave B, 1W to 310R											
Contractor	Discovery #3				Owner V/S w/s											
Type Job	Surface				To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.											
Hole Size	12 1/4"		T.D.		1078'											
Csg.	8 5/8"		Depth		1076.10'											
Tbg. Size			Depth		Charge To Downing - Nelson											
Tool			Depth		Street											
Cement Left in Csg.	42.53'		Shoe Joint		42.53'											
Meas Line			Displace		65 3/4 BUS											
EQUIPMENT												2% Gel				
Pumptrk	15	No.	Cementer	Matt		Common 400										
			Helper													
Bulktrk	13	No.	Driver	Jason		Poz. Mix										
			Driver													
Bulktrk	fid.	No.	Driver	Rick		Gel. 8										
			Driver													
JOB SERVICES & REMARKS												Calcium 14				
Remarks: Cement did Circulate.												Hulls				
Rat Hole												Salt				
Mouse Hole												Flowseal				
Centralizers												Kol-Seal				
Baskets												Mud CLR 48				
D/V or Port Collar												CFL-117 or CD110 CAF 38				
												Sand				
												Handling 422				
												Mileage				
												FLOAT EQUIPMENT				
												Guide Shoe				
												Centralizer				
												Baskets				
												AFU Inserts				
												Float Shoe				
												Latch Down				
												1- Baffle plate				
												1- Rubber plug				
												Pumptrk Charge Low Surface				
												Mileage 27				
												Tax				
												Discount				
												Total Charge				
X Signature John Koshler																

SWIFT Services, Inc.

DATE 2-15-12 PAGE NO. 1

Nelson

WELL NO. # 1-9

LEASE Urban

JOB TYPE Long string

TICKET NO. 21406

WELL NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0030							on loc w/ FE
								RTD 3640'
								5 1/2" x 14# x 3639' x 19'
								Cent 1, 3, 5, 7, 9, 11, 62
								Back 4
	0230							Start FE
	0410							Break Circ.
	0435	2.5	7/5					Plug RV4MH 30/20 sks EA-2
	0445	5	0			200		Start Mud flush 12 bbl
		5	12/0			200		Start KCL flush 20 bbl
		6	20/0			250		Start Cement 125 sks EA-2
	0455		30					End Cement
								Wash P4L
								Drop LD Plug
	0500	6	0			200		Start Displacement
		5	61			250		Catch Cement
			88.5			700/1400		Land Plug
								Release Pressure
								Floater Held

Thank you

Nick, Josh F. & Doug



DRILL STEM TEST REPORT

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

PO Box1019
Hays KS 67601

ATTN: Al Downing

Urban #1-9

9-16s-17w Rush,KS

Start Date: 2012.02.11 @ 10:10:53

End Date: 2012.02.11 @ 16:58:47

Job Ticket #: 46841 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.02.20 @ 14:27:19



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc

9-16s-17w Rush,KS

PO Box 1019
Hays KS 67601

Urban #1-9

Job Ticket: 46841

DST#: 1

ATTN: Al Dow ning

Test Start: 2012.02.11 @ 10:10:53

GENERAL INFORMATION:

Formation: **Plattsmouth**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:30:18

Time Test Ended: 16:58:47

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schw ager

Unit No: 42

Interval: 3123.00 ft (KB) To 3140.00 ft (KB) (TVD)

Reference Elevations: 1953.00 ft (KB)

Total Depth: 3140.00 ft (KB) (TVD)

1945.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6625 Inside

Press @RunDepth: 34.49 psig @ 3124.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.02.11

End Date:

2012.02.11

Last Calib.:

2012.02.11

Start Time: 10:10:53

End Time:

16:58:47

Time On Btm:

2012.02.11 @ 12:24:18

Time Off Btm:

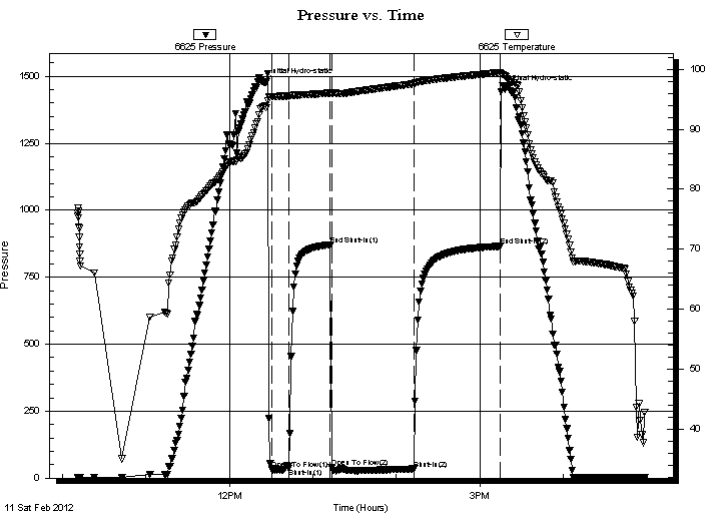
2012.02.11 @ 15:17:47

TEST COMMENT: 15-IFP-strg bl , GTS in 12 min

30-ISIP-no bl

60-FFP-strg bl GTS

60-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1477.30	93.75	Initial Hydro-static
6	32.99	95.45	Open To Flow (1)
19	36.32	95.51	Shut-In(1)
48	871.17	96.03	End Shut-In(1)
49	38.63	96.02	Open To Flow (2)
108	34.49	97.57	Shut-In(2)
170	865.63	99.46	End Shut-In(2)
174	1452.36	98.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	MGO 10%G20%M70%O	0.14
60.00	MGO 10%G10%M80%O	0.84

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	5.00	30.78
Last Gas Rate	0.25	1.00	24.43
Max. Gas Rate	0.25	5.00	30.78



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc

9-16s-17w Rush,KS

PO Box 1019
Hays KS 67601

Urban #1-9

Job Ticket: 46841

DST#: 1

ATTN: Al Dow ning

Test Start: 2012.02.11 @ 10:10:53

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Total Depth: 3140.00 ft (KB) (TVD)

1945.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8700 Outside

Press @RunDepth: psig @ 3124.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.02.11

End Date:

2012.02.11

Last Calib.:

2012.02.11

Start Time: 10:11:51

End Time:

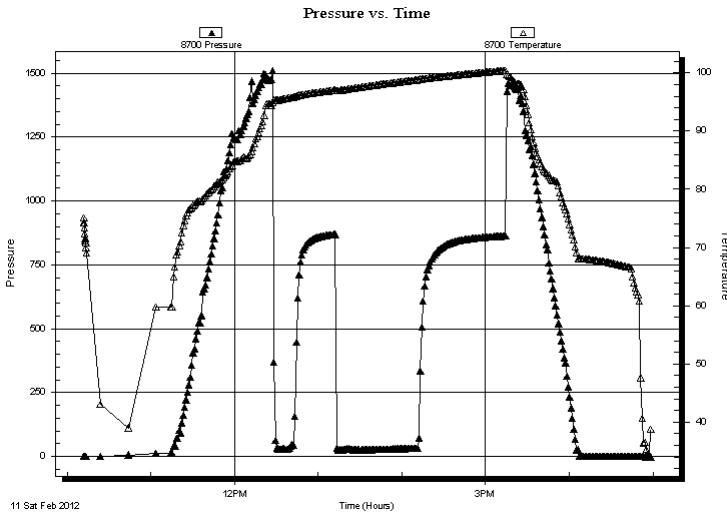
16:58:15

Time On Btm:

Time Off Btm:

TEST COMMENT: 15-IFP-strg bl , GTS in 12 min
30-ISIP-no bl
60-FFP-strg bl GTS
60-FSIP-no bl

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	MGO 10%G20%M70%O	0.14
60.00	MGO 10%G10%M80%O	0.84

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	5.00	30.78
Last Gas Rate	0.25	1.00	24.43
Max. Gas Rate	0.25	5.00	30.78



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dow ning-Nelson Oil Co Inc

9-16s-17w Rush,KS

PO Box1019
Hays KS 67601

Urban #1-9

Job Ticket: 46841

DST#: 1

ATTN: Al Dow ning

Test Start: 2012.02.11 @ 10:10:53

Tool Information

Drill Pipe:	Length: 3133.00 ft	Diameter: 3.80 inches	Volume: 43.95 bbl	Tool Weight: 2200.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 43.95 bbl</u>	Tool Chased 3.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3123.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	17.00 ft			
Tool Length:	38.00 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			3103.00	
Shut In Tool	5.00			3108.00	
Hydraulic tool	5.00			3113.00	
Packer	5.00			3118.00	21.00 Bottom Of Top Packer
Packer	5.00			3123.00	
Stubb	1.00			3124.00	
Recorder	0.00	6625	Inside	3124.00	
Recorder	0.00	8700	Outside	3124.00	
Perforations	13.00			3137.00	
Bullnose	3.00			3140.00	17.00 Bottom Packers & Anchor
Total Tool Length:	38.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil Co Inc

9-16s-17w Rush,KS

PO Box 1019
Hays KS 67601

Urban #1-9

Job Ticket: 46841

DST#: 1

ATTN: Al Dow ning

Test Start: 2012.02.11 @ 10:10:53

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: 50.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.06 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	MGO 10%G20%M70%O	0.140
60.00	MGO 10%G10%M80%O	0.842

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:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Dow ning-Nelson Oil Co Inc

9-16s-17w Rush,KS

PO Box1019
Hays KS 67601

Urban #1-9

Job Ticket: 46841

DST#: 1

ATTN: Al Dow ning

Test Start: 2012.02.11 @ 10:10:53

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	10	0.25	5.00	30.78
2	10	0.25	5.00	30.78
2	10	0.25	5.00	30.78
2	20	0.25	3.00	27.60
2	30	0.25	1.00	24.43
2	40	0.25	1.00	24.43

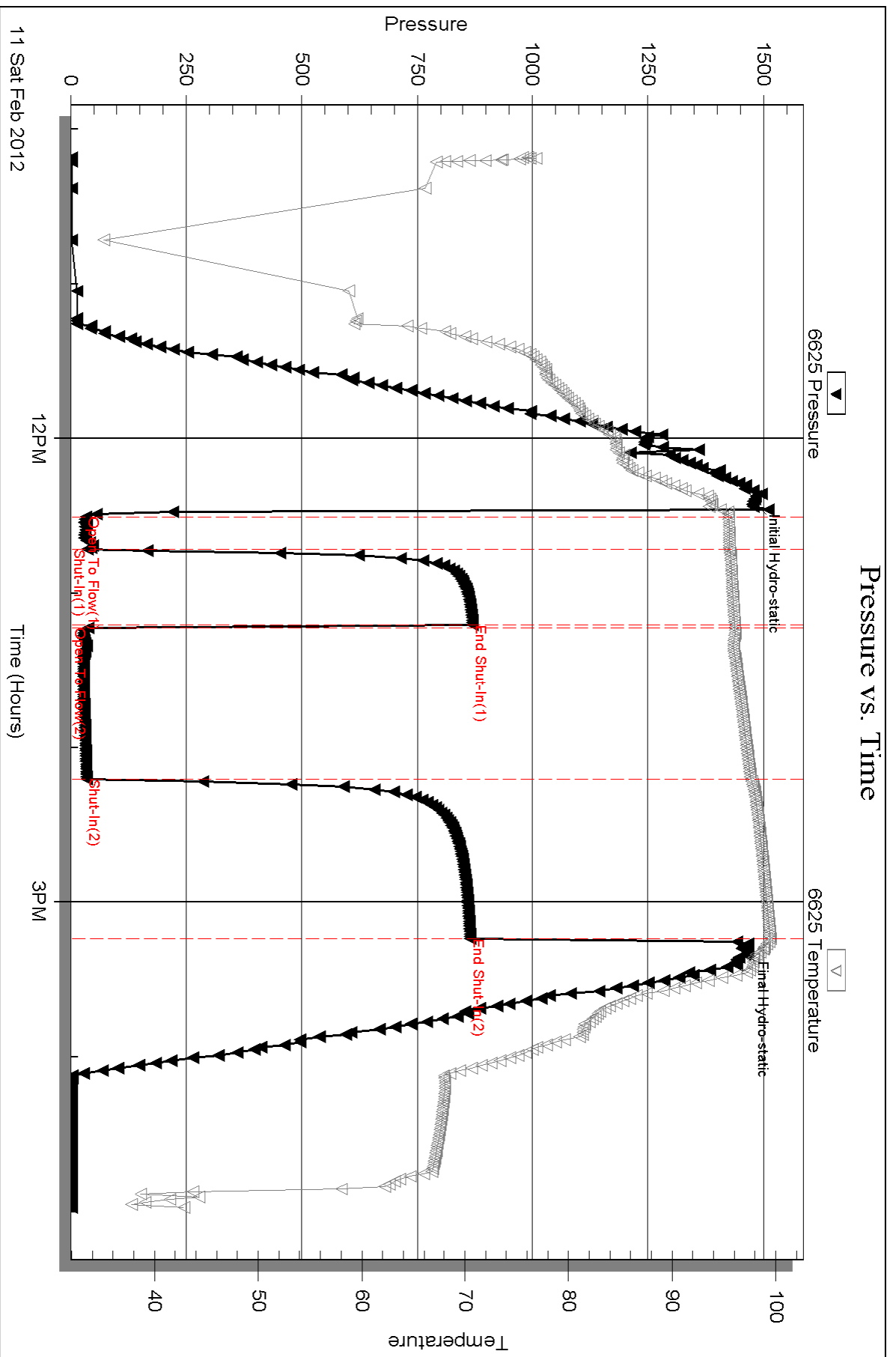
Serial #: 6625

Inside

Dow nung-Nelson Oil Co Inc

Urban #1-9

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 46841

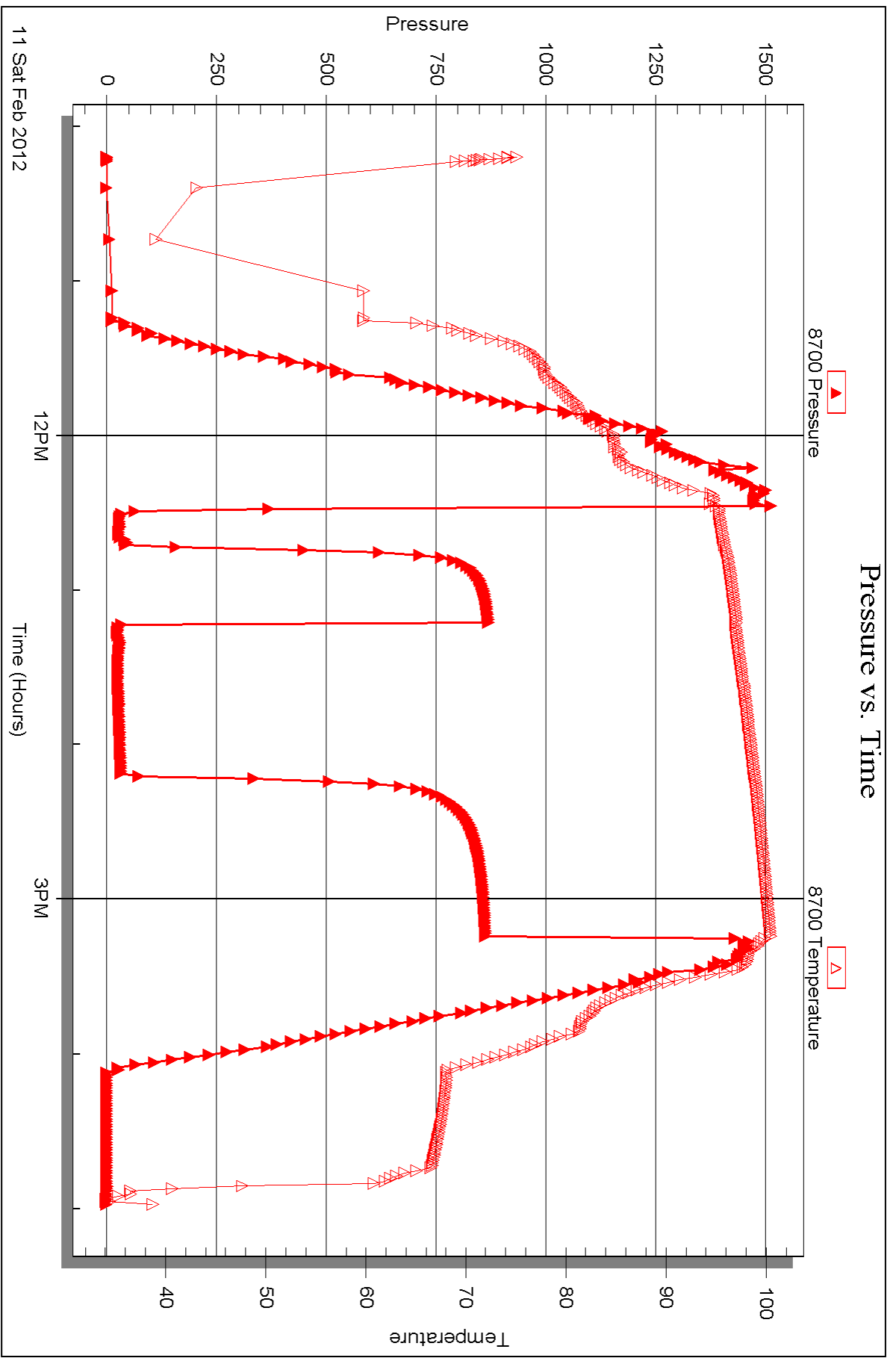
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Serial #: 8700

Outside Dow nung-Nelson Oil Co Inc

Urban #1-9

DST Test Number: 1





DRILL STEM TEST REPORT

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

PO Box1019
Hays KS 67601

ATTN: Al Downing

Urban #1-9

9-16s-17w Rush,KS

Start Date: 2012.02.12 @ 16:05:11

End Date: 2012.02.12 @ 21:45:05

Job Ticket #: 46842 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.02.20 @ 14:25:02



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc

9-16s-17w Rush,KS

PO Box 1019
Hays KS 67601

Urban #1-9

Job Ticket: 46842

DST#: 2

ATTN: Al Dow ning

Test Start: 2012.02.12 @ 16:05:11

GENERAL INFORMATION:

Formation: **LKC H-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:00:36

Time Test Ended: 21:45:05

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schw ager

Unit No: 42

Interval: 3356.00 ft (KB) To 3430.00 ft (KB) (TVD)

Reference Elevations: 1953.00 ft (KB)

Total Depth: 3430.00 ft (KB) (TVD)

1945.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6625 Inside

Press @RunDepth: 24.17 psig @ 3362.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.02.12 End Date: 2012.02.12

Last Calib.: 2012.02.12

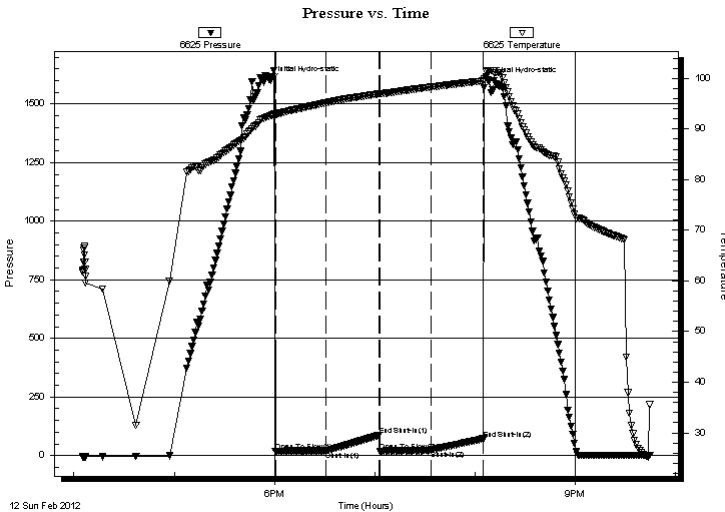
Start Time: 16:05:11 End Time: 21:45:05

Time On Btm: 2012.02.12 @ 17:57:36

Time Off Btm: 2012.02.12 @ 20:08:36

TEST COMMENT: 30-IFP-w k bl 1/4"to3/4"bl
30-ISIP-no bl
30-FFP-w k bl 1/4"to 3/4"bl
30-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1600.22	92.61	Initial Hydro-static
3	17.28	92.81	Open To Flow (1)
33	18.94	95.16	Shut-In(1)
65	87.84	96.93	End Shut-In(1)
66	17.89	96.94	Open To Flow (2)
96	24.17	98.29	Shut-In(2)
128	72.18	99.49	End Shut-In(2)
131	1594.52	101.58	Final Hydro-static

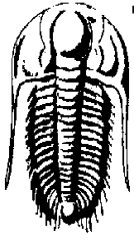
Recovery

Length (ft)	Description	Volume (bbl)
0.00	110'GIP	0.00
10.00	SO&GCM 5%G4%O91%M	0.14

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc
 PO Box 1019
 Hays KS 67601
 ATTN: Al Dow ning

9-16s-17w Rush,KS

Urban #1-9

Job Ticket: 46842

DST#: 2

Test Start: 2012.02.12 @ 16:05:11

GENERAL INFORMATION:

Formation: **LKC H-J**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 18:00:36
 Tester: Ray Schw ager
 Time Test Ended: 21:45:05
 Unit No: 42
Interval: 3356.00 ft (KB) To 3430.00 ft (KB) (TVD)
 Reference Elevations: 1953.00 ft (KB)
 Total Depth: 3430.00 ft (KB) (TVD)
 1945.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 8.00 ft

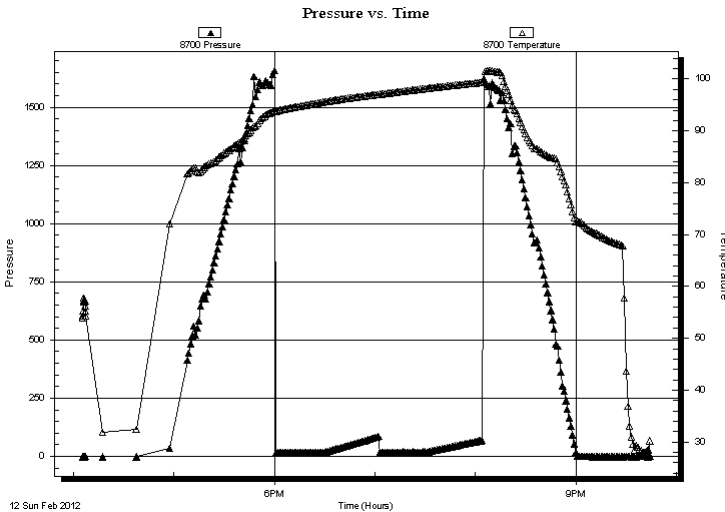
Serial #: 8700

Outside

Press @RunDepth: psig @ 3362.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.02.12 End Date: 2012.02.12 Last Calib.: 2012.02.12
 Start Time: 16:05:37 End Time: 21:44:01 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30-IFP-w k bl 1/4"to3/4"bl
 30-ISIP-no bl
 30-FFP-w k bl 1/4"to 3/4"bl
 30-FSIP-no bl

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	110'GIP	0.00
10.00	SO&GCM 5%G4%O91%M	0.14

* 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

9-16s-17w Rush,KS

PO Box 1019
Hays KS 67601

Urban #1-9

Job Ticket: 46842

DST#: 2

ATTN: Al Dow ning

Test Start: 2012.02.12 @ 16:05:11

Tool Information

Drill Pipe:	Length: 3357.00 ft	Diameter: 3.80 inches	Volume: 47.09 bbl	Tool Weight:	2200.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume: 47.09 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	56000.00 lb
Depth to Top Packer:	3356.00 ft			Final	56000.00 lb
Depth to Bottom Packer:	ft				
Interval betw een Packers:	74.00 ft				
Tool Length:	95.00 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			3336.00	
Shut In Tool	5.00			3341.00	
Hydraulic tool	5.00			3346.00	
Packer	5.00			3351.00	21.00 Bottom Of Top Packer
Packer	5.00			3356.00	
Stubb	1.00			3357.00	
Perforations	5.00			3362.00	
Recorder	0.00	6625	Inside	3362.00	
Recorder	0.00	8700	Outside	3362.00	
Blank Spacing	65.00			3427.00	
Bullnose	3.00			3430.00	74.00 Bottom Packers & Anchor

Total Tool Length: 95.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil Co Inc

9-16s-17w Rush,KS

PO Box 1019
Hays KS 67601

Urban #1-9

Job Ticket: 46842

DST#: 2

ATTN: Al Dow ning

Test Start: 2012.02.12 @ 16:05:11

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: 52.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.10 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	110'GIP	0.000
10.00	SO&GCM 5%G4%O91%M	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

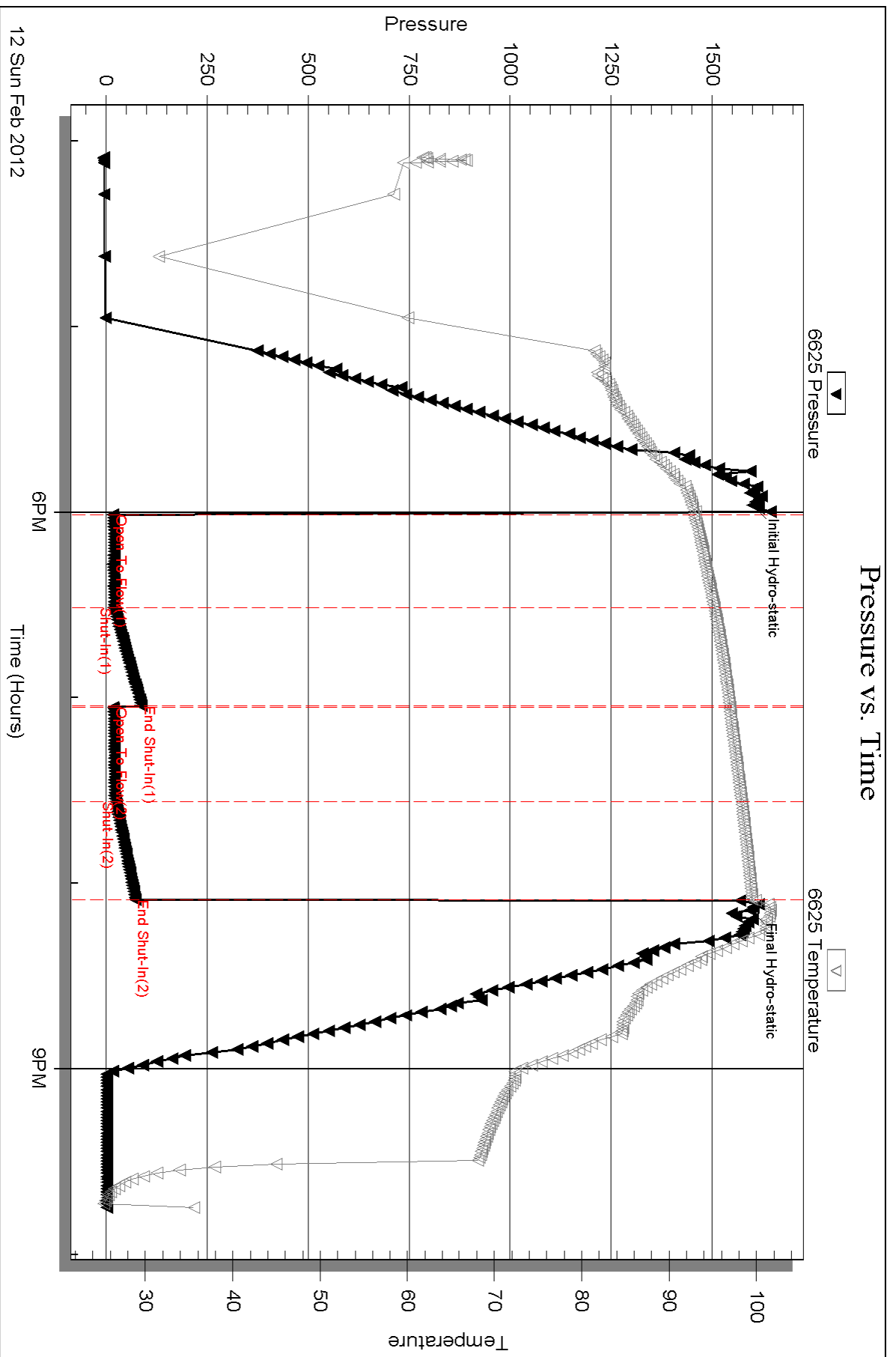
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

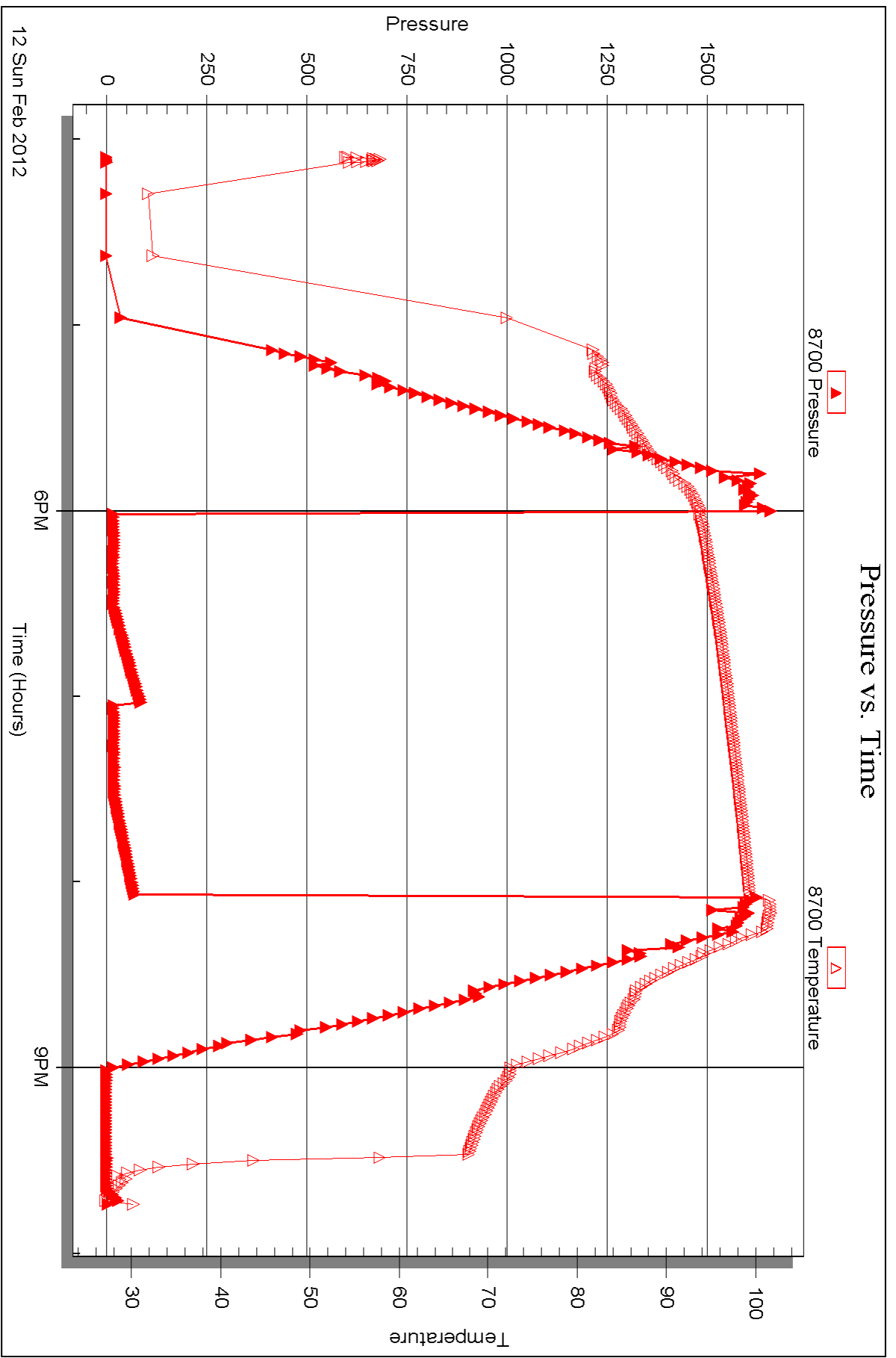


Serial #: 8700

Outside Dow nung-Nelson Oil Co Inc

Urban #1-9

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 46842

Printed: 2012.02.20 @ 14:25:05



DRILL STEM TEST REPORT

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

PO Box1019
Hays KS 67601

ATTN: Al Downing

Urban #1-9

9-16s-17w Rush,KS

Start Date: 2012.02.13 @ 09:00:50

End Date: 2012.02.13 @ 16:32:14

Job Ticket #: 46843 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.02.20 @ 14:26:37



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc

9-16s-17w Rush,KS

PO Box 1019
Hays KS 67601

Urban #1-9

Job Ticket: 46843

DST#: 3

ATTN: Al Dow ning

Test Start: 2012.02.13 @ 09:00:50

GENERAL INFORMATION:

Formation: **Congl Sd**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:06:45

Time Test Ended: 16:32:14

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schw ager

Unit No: 42

Interval: 3460.00 ft (KB) To 3525.00 ft (KB) (TVD)

Reference Elevations: 1953.00 ft (KB)

Total Depth: 3525.00 ft (KB) (TVD)

1945.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6625

Inside

Press @RunDepth: 797.16 psig @ 3466.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.02.13

End Date:

2012.02.13

Last Calib.: 2012.02.13

Start Time: 09:00:50

End Time:

16:32:14

Time On Btm: 2012.02.13 @ 11:01:15

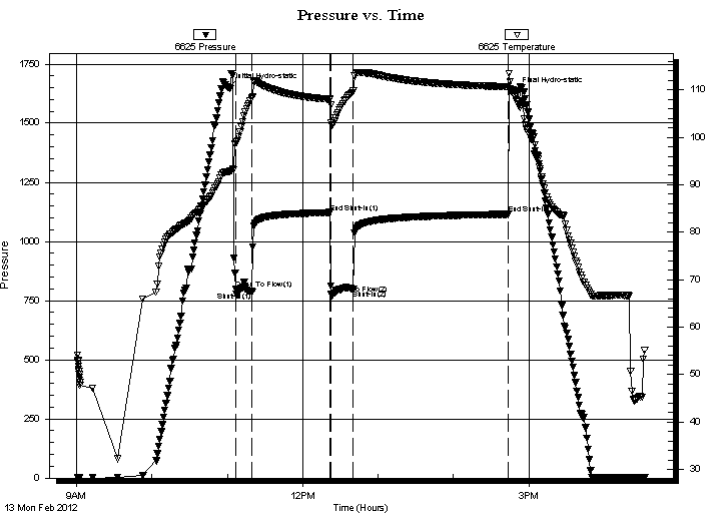
Time Off Btm: 2012.02.13 @ 14:48:44

TEST COMMENT: 15-IFP-strg bl GTS in 2 min

60-ISIP-1" bl bk

20-FFP-GTS

120-FSIP-1" bl bk



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1648.99	92.76	Initial Hydro-static
6	798.50	98.97	Open To Flow (1)
19	786.99	108.32	Shut-In(1)
81	1122.53	108.02	End Shut-In(1)
82	776.95	103.08	Open To Flow (2)
99	797.16	109.71	Shut-In(2)
222	1115.55	110.67	End Shut-In(2)
228	1632.76	108.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	mud	0.70

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	240.00	3973.69
Last Gas Rate	0.75	280.00	4598.49
Max. Gas Rate	0.75	280.00	4598.49



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dow ning-Nelson Oil Co Inc

9-16s-17w Rush,KS

PO Box 1019
Hays KS 67601

Urban #1-9

Job Ticket: 46843

DST#: 3

ATTN: Al Dow ning

Test Start: 2012.02.13 @ 09:00:50

Tool Information

Drill Pipe:	Length: 3452.00 ft	Diameter: 3.80 inches	Volume: 48.42 bbl	Tool Weight: 2200.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 48.42 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3460.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.00 ft			
Tool Length:	86.00 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			3440.00	
Shut In Tool	5.00			3445.00	
Hydraulic tool	5.00			3450.00	
Packer	5.00			3455.00	21.00 Bottom Of Top Packer
Packer	5.00			3460.00	
Stubb	1.00			3461.00	
Perforations	5.00			3466.00	
Recorder	0.00	6625	Inside	3466.00	
Recorder	0.00	8700	Outside	3466.00	
Blank Spacing	33.00			3499.00	
Perforations	23.00			3522.00	
Bullnose	3.00			3525.00	65.00 Bottom Packers & Anchor

Total Tool Length: 86.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil Co Inc

9-16s-17w Rush,KS

PO Box 1019
Hays KS 67601

Urban #1-9

Job Ticket: 46843

DST#: 3

ATTN: Al Dow ning

Test Start: 2012.02.13 @ 09:00:50

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: 50.00 sec/qt

Cushion Volume: bbl

Water Loss: 9.11 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
50.00	mud	0.701

Total Length: 50.00 ft Total Volume: 0.701 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Dow ning-Nelson Oil Co Inc

9-16s-17w Rush,KS

PO Box1019
Hays KS 67601

Urban #1-9

Job Ticket: 46843

DST#: 3

ATTN: Al Dow ning

Test Start: 2012.02.13 @ 09:00:50

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	5	0.75	240.00	3973.69
1	5	0.75	240.00	3973.69
1	5	0.75	240.00	3973.69
1	15	0.75	250.00	4129.89
2	5	0.75	250.00	4129.89
2	10	0.75	250.00	4129.89
2	15	0.75	280.00	4598.49

Serial #: 6625

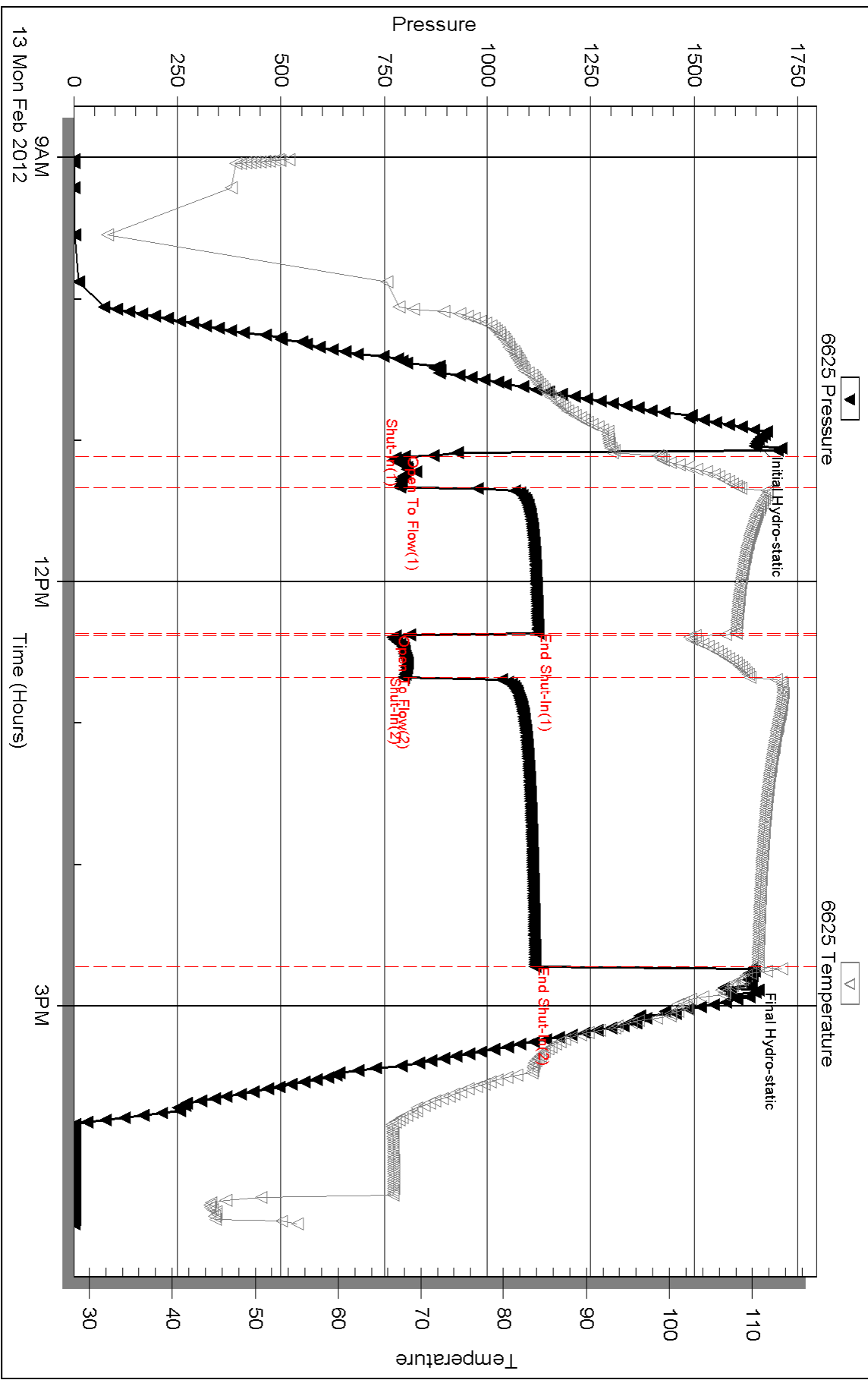
Inside

Dow nung-Nelson Oil Co Inc

Urban #1-9

DST Test Number: 3

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 46843

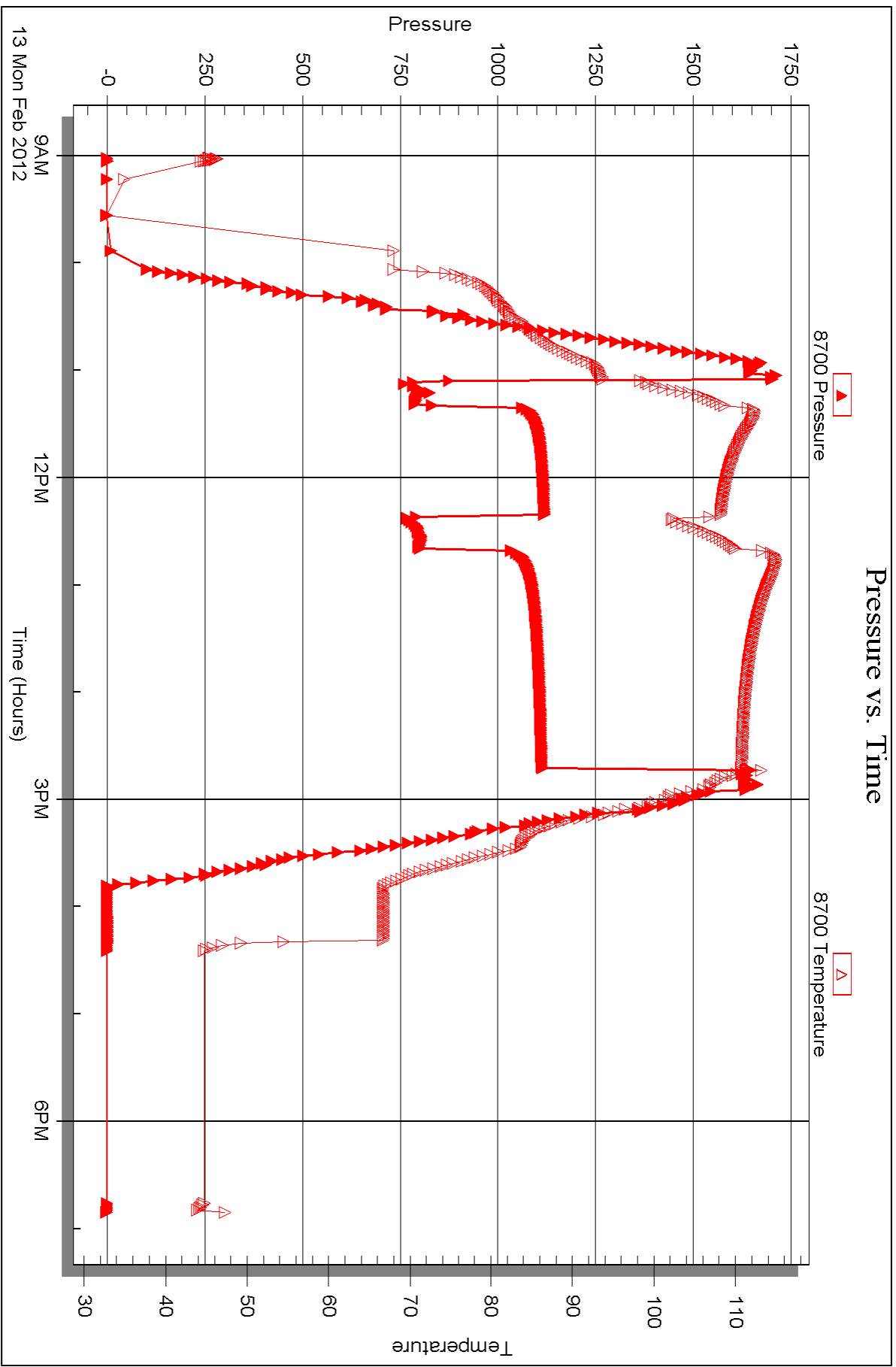
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Serial #: 8700

Outside Dow nung-Nelson Oil Co Inc

Urban #1-9

DST Test Number: 3





DRILL STEM TEST REPORT

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

PO Box1019
Hays KS 67601

ATTN: Al Downing

Urban #1-9

9-16s-17w Rush,KS

Start Date: 2012.02.13 @ 23:15:07

End Date: 2012.02.14 @ 06:30:01

Job Ticket #: 46844 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.02.20 @ 14:23:10



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc

9-16s-17w Rush,KS

PO Box 1019
Hays KS 67601

Urban #1-9

Job Ticket: 46844

DST#: 4

ATTN: Al Dow ning

Test Start: 2012.02.13 @ 23:15:07

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:18:32

Time Test Ended: 06:30:01

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schw ager

Unit No: 42

Interval: 3538.00 ft (KB) To 3544.00 ft (KB) (TVD)

Reference Elevations: 1953.00 ft (KB)

Total Depth: 3544.00 ft (KB) (TVD)

1945.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6625 Inside

Press @RunDepth: 50.43 psig @ 3539.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.02.13

End Date:

2012.02.14

Last Calib.: 2012.02.14

Start Time: 23:15:07

End Time:

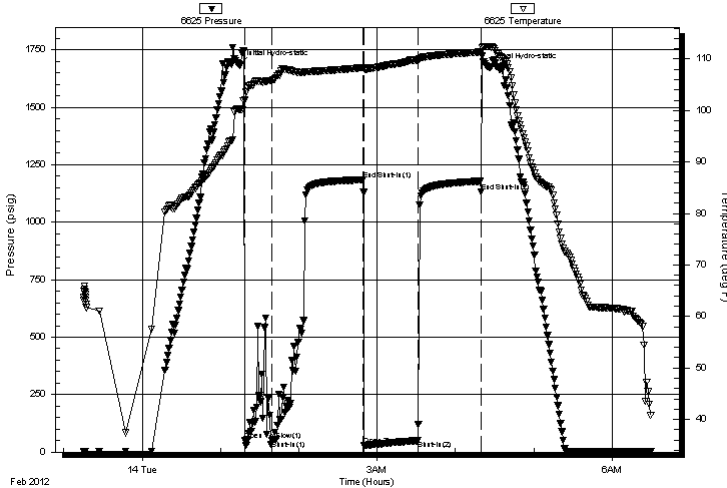
06:30:01

Time On Btm: 2012.02.14 @ 01:14:32

Time Off Btm: 2012.02.14 @ 04:25:31

TEST COMMENT: 45-IFP-w k to a gd bl 1/2" to 8" bl
45-ISIP-no bl 1st 20 min, then surface bl
45-FFP-w k to strg in 10 min
45-FSIP-surface bl bk

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1683.64	100.20	Initial Hydro-static
4	49.97	101.98	Open To Flow (1)
25	52.05	105.83	Shut-In(1)
95	1184.18	108.32	End Shut-In(1)
96	29.27	108.06	Open To Flow (2)
137	50.43	109.72	Shut-In(2)
185	1131.96	111.34	End Shut-In(2)
191	1674.47	112.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	650'GIP	0.00
70.00	CO	0.98
20.00	GMO 20%G15%M65%O	0.28

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc

9-16s-17w Rush,KS

PO Box 1019
Hays KS 67601

Urban #1-9

Job Ticket: 46844

DST#: 4

ATTN: Al Dow ning

Test Start: 2012.02.13 @ 23:15:07

GENERAL INFORMATION:

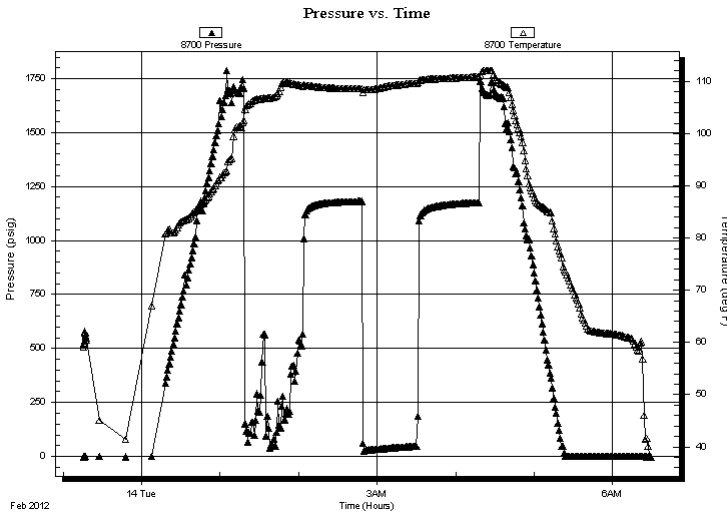
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:18:32
 Time Test Ended: 06:30:01
Interval: 3538.00 ft (KB) To 3544.00 ft (KB) (TVD)
 Total Depth: 3544.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ray Schw ager
 Unit No: 42
 Reference Elevations: 1953.00 ft (KB)
 1945.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8700 Outside

Press @RunDepth: psig @ 3539.00 ft (KB)
 Start Date: 2012.02.13 End Date: 2012.02.14
 Start Time: 23:15:37 End Time: 06:29:01
 Capacity: 8000.00 psig
 Last Calib.: 2012.02.14
 Time On Btm:
 Time Off Btm:

TEST COMMENT: 45-IFP-w k to a gd bl 1/2" to 8" bl
 45-ISIP-no bl 1st 20 min, then surface bl
 45-FFP-w k to strg in 10 min
 45-FSIP-surface bl bk

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	650'GIP	0.00
70.00	CO	0.98
20.00	GMO 20%G15%M65%O	0.28

* 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

9-16s-17w Rush,KS

PO Box1019
Hays KS 67601

Urban #1-9

Job Ticket: 46844

DST#: 4

ATTN: Al Dow ning

Test Start: 2012.02.13 @ 23:15:07

Tool Information

Drill Pipe:	Length: 3548.00 ft	Diameter: 3.80 inches	Volume: 49.77 bbl	Tool Weight:	2200.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 49.77 bbl</u>	Tool Chased	6.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	58000.00 lb
Depth to Top Packer:	3538.00 ft			Final	58000.00 lb
Depth to Bottom Packer:	ft				
Interval betw een Packers:	6.00 ft				
Tool Length:	27.00 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			3518.00	
Shut In Tool	5.00			3523.00	
Hydraulic tool	5.00			3528.00	
Packer	5.00			3533.00	21.00 Bottom Of Top Packer
Packer	5.00			3538.00	
Stubb	1.00			3539.00	
Recorder	0.00	6625	Inside	3539.00	
Recorder	0.00	8700	Outside	3539.00	
Perforations	2.00			3541.00	
Bullnose	3.00			3544.00	6.00 Bottom Packers & Anchor
Total Tool Length:	27.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil Co Inc

9-16s-17w Rush,KS

PO Box 1019
Hays KS 67601

Urban #1-9

Job Ticket: 46844

DST#: 4

ATTN: Al Dow ning

Test Start: 2012.02.13 @ 23:15:07

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

25 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.16 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 bbbl
0.00	650'GIP	0.000
70.00	CO	0.982
20.00	GMO 20%G15%M65%O	0.281

Total Length: 90.00 ft Total Volume: 1.263 bbl

Num Fluid Samples: 0

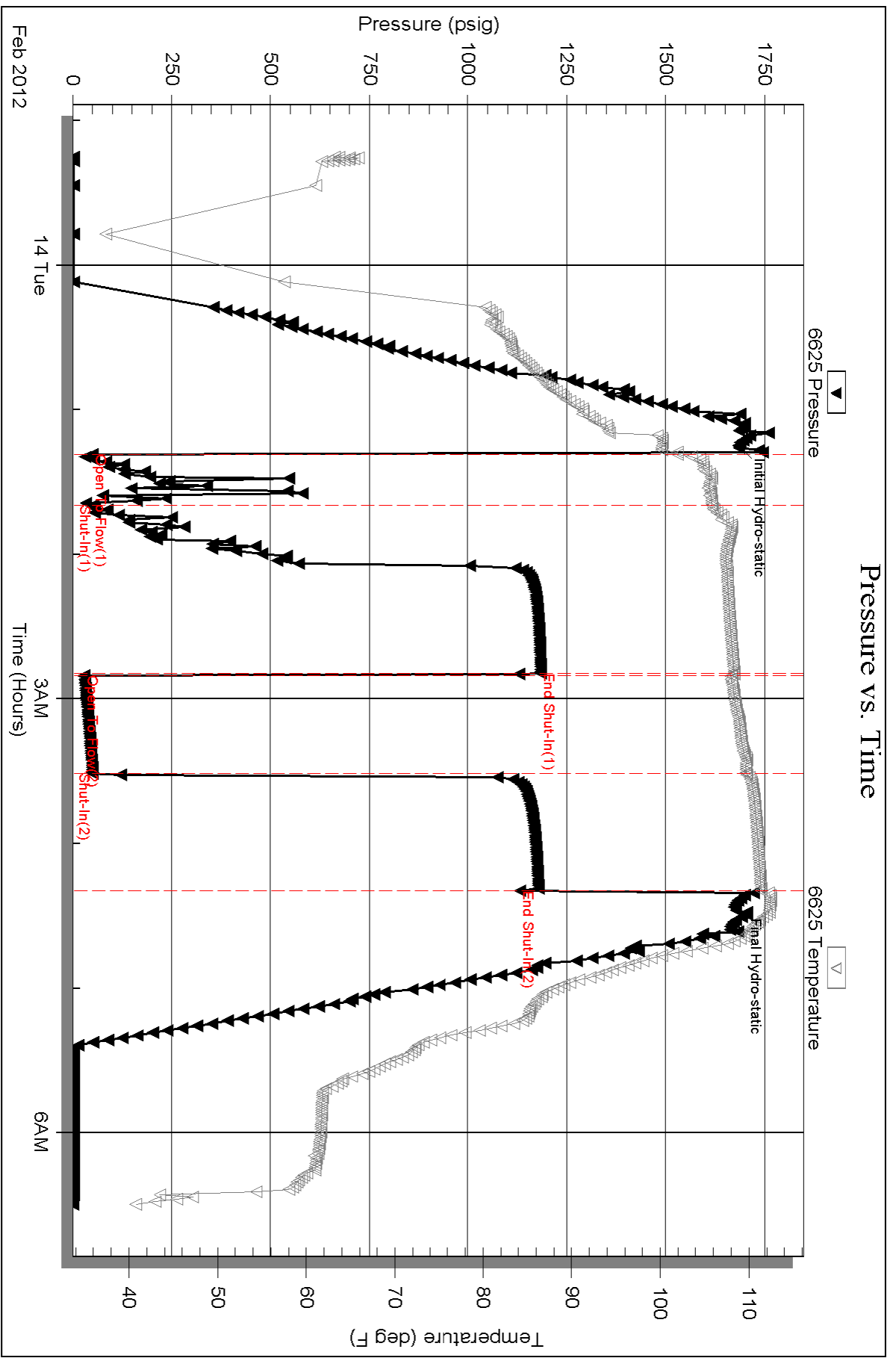
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: slid tool 6'to bottom

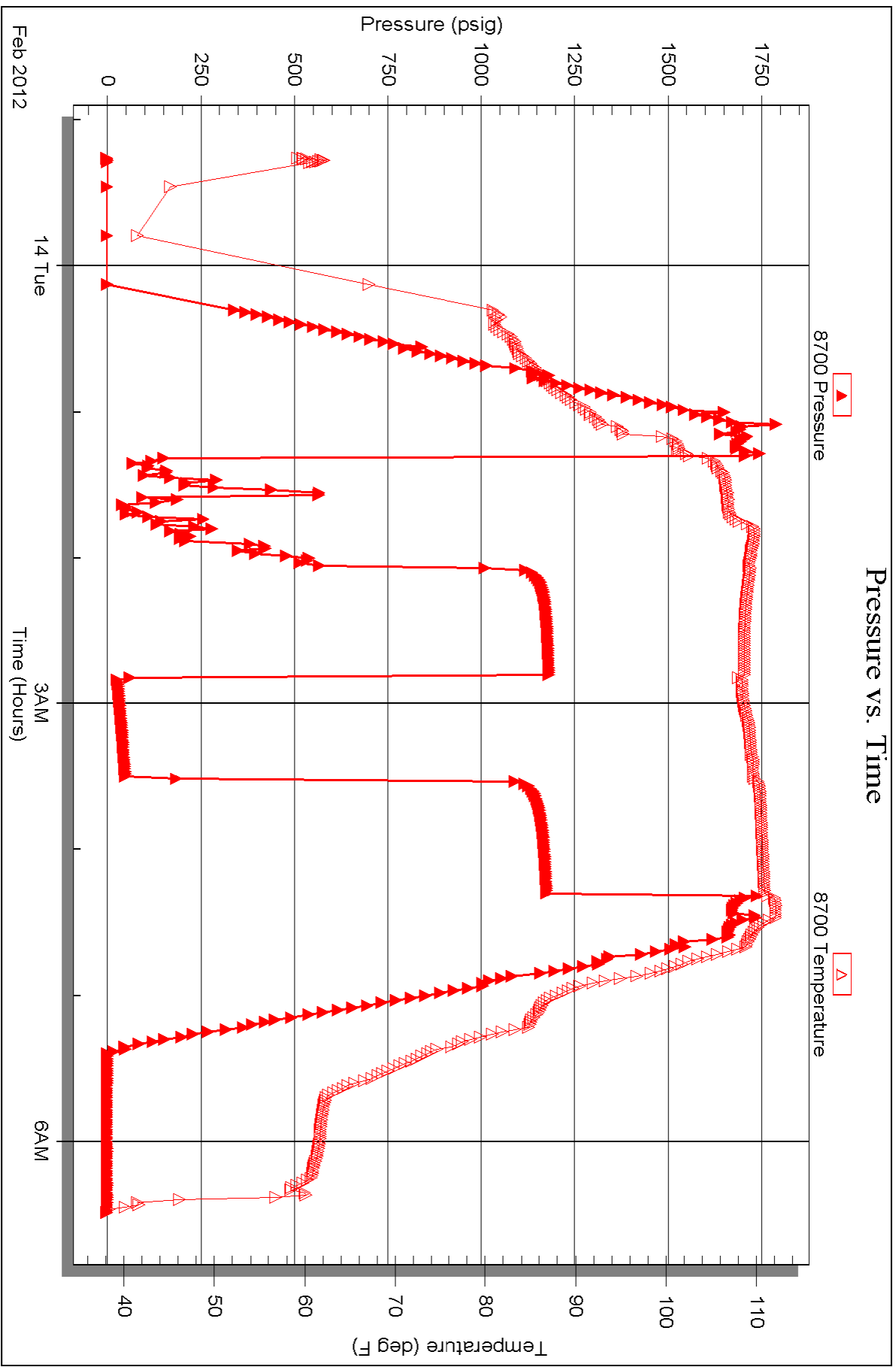


Serial #: 8700

Outside Dow nung-Nelson Oil Co Inc

Urban #1-9

DST Test Number: 4





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
FEB 15 2012

Test Ticket

NO. 46841

4/10

BY: _____

Well Name & No. Urban #1-9 Test No. 1 Date 2-11-12
 Company Downing-Nelson Oil Co Inc Elevation 1953 KB 1945 GL
 Address P.O. Box 1019 Hays Ks 67601
 Co. Rep / Geo. AL Downing Rig Discovery 1193
 Location: Sec. 9 Twp. 16^s Rge. 17^w Co. Rush State Ks

Interval Tested 3123-3140 Zone Tested PLATTSMOUTH
 Anchor Length 17 Drill Pipe Run 3133 Mud Wt. 9
 Top Packer Depth 3118 Drill Collars Run 0 Vis 50
 Bottom Packer Depth 3123 Wt. Pipe Run - WL 8.2
 Total Depth 3140 Chlorides 2800 ppm System LCM 2#
 Blow Description IFP - STRONG BLOW GTS IN 12min TOUPEAK TO GAUGE
ISTP - NO BLOW
FFP - GTS
FSTP - NO BLOW

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>M60</u>	<u>10</u>	<u>70</u>	<u>20</u>	
<u>60</u>	<u>M60</u>	<u>10</u>	<u>80</u>	<u>10</u>	
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 99 Gravity - API RW - @ - ° F Chlorides - ppm

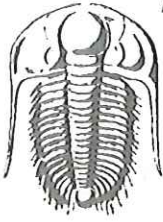
(A) Initial Hydrostatic 1477 Test 1125 T-On Location 0900
 (B) First Initial Flow 32 Jars _____ T-Started 1010
 (C) First Final Flow 36 Safety Joint _____ T-Open 1225
 (D) Initial Shut-In 871 Circ Sub _____ T-Pulled 1510
 (E) Second Initial Flow 38 Hourly Standby _____ T-Out 1658
 (F) Second Final Flow 34 Mileage 52 RT 72.80 Comments _____
 (G) Final Shut-In 865 Sampler _____
 (H) Final Hydrostatic 1452 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 15 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1197.80
 Final Flow 60 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1197.80

Approved By _____

Our Representative Ray Schuenger

Thank you

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 362 • Hays, Kansas 67601 • (785) 625-4778

GAS VOLUME REPORT

DNOC

Ueber #1-9

1

OPERATOR

WELL NAME AND NO.

DST NO.

GTS IN 12 MIN 2nd flow

Min.	Ins. of Water PSIG	Orifice Size	CF/D	Min.	Ins. of Water PSIG	Orifice Size	CF/D
10	5	1/4"	30,776				
20	3	1/4"	27,603				
30	1	1/4"	24,431				
40	1	1/4"	24,431				
50	1	1/4"	24,431				
60	1	1/4"	24,431				

Remarks:



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
FEB 15 2012

Test Ticket

NO. 46842

4/10

Well Name & No. Urban # 1-9 BY: _____ Test No. 2 Date 2-12-12
 Company Downing-Nelson Oil Co Inc Elevation 1953 KB 1945 GL _____
 Address PO Box 1019 Hays, Ks 67601
 Co. Rep / Geo. AL Downing Rig Discovery rig 3
 Location: Sec. 9 Twp. 16^s Rge. 17^w Co. Rush State Ks

Interval Tested 3356-3430 Zone Tested LKC H-J
 Anchor Length 74 Drill Pipe Run 3357 Mud Wt. 8.9
 Top Packer Depth 3351 Drill Collars Run - Vis 52
 Bottom Packer Depth 3356 Wt. Pipe Run - WL 8.2
 Total Depth 3430 Chlorides 4000 ppm System LCM 1 1/2 #
 Blow Description IFP - WEAK Blow 1/4" To 3/4" Blow
ISIP - NO Blow
FFP - WEAK Blow 1/4" To 3/4" Blow
FSIP - NO Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>110</u>	<u>6IP</u>				
<u>10</u>	<u>50+6CM</u>	<u>5</u>	<u>4</u>		<u>91</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 99 Gravity - API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic 1600 Test 1125' T-On Location 1545
 (B) First Initial Flow 17 Jars _____ T-Started 1605
 (C) First Final Flow 18 Safety Joint _____ T-Open 1800
 (D) Initial Shut-In 87 Circ Sub _____ T-Pulled 2000
 (E) Second Initial Flow 17 Hourly Standby _____ T-Out 2145
 (F) Second Final Flow 24 Mileage 52 RT 72.80 Comments _____
 (G) Final Shut-In 72 Sampler _____
 (H) Final Hydrostatic 1594 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1197.80
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 30 Sub Total 1197.80

Approved By _____

Our Representative Ray Schwager *Thank you*

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

RECEIVED
FEB 15 2012
BY: _____

Test Ticket

NO. 46843

4/10

Well Name & No. Urban #1-9 Test No. 3 Date 2-13-12
 Company Downing-Nelson Oil Co Inc Elevation 1953 KB 1945 GL
 Address P.O. Box 1019 Hays, Ks 67601
 Co. Rep / Geo. AL Downing Rig Discovery rig 3
 Location: Sec. 9 Twp. 16^s Rge. 17^w Co. Rush State Ks

Interval Tested 3460-3525 Zone Tested Congl sd.
 Anchor Length 65 Drill Pipe Run 3452 Mud Wt. 9.2
 Top Packer Depth 3455 Drill Collars Run - Vis 50
 Bottom Packer Depth 3460 Wt. Pipe Run - WL 9.2
 Total Depth 3525 Chlorides 5800 ppm System LCM 2[#]

Blow Description IFP - Strong Blow GTS in 2min
ISIP - 1" Blow Back
FFP - GTS
FSIP - 1" Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>50</u>	<u>Mud</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

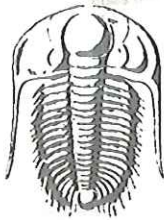
Rec Total 50 BHT 110 Gravity - API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic 1648 Test 1125 T-On Location 0840
 (B) First Initial Flow 798 Jars _____ T-Started 0900
 (C) First Final Flow 786 Safety Joint _____ T-Open 1105
 (D) Initial Shut-In 1122 Circ Sub _____ T-Pulled 1340
 (E) Second Initial Flow 776 Hourly Standby _____ T-Out 1632
 (F) Second Final Flow 797 Mileage 52RT 72.80 Comments _____
 (G) Final Shut-In 1115 Sampler _____
 (H) Final Hydrostatic 1632 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____

Initial Open 15 Extra Packer _____ Extra Copies _____
 Initial Shut-In 60 Extra Recorder _____ Sub Total 0
 Final Flow 20 Day Standby _____ Total 1197.80
 Final Shut-In 120 Accessibility _____ MP/DST Disc't _____
 Sub Total 1197.80

Approved By _____ Our Representative Ray Schwager *thank you*

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601 • (785) 625-4778

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DNOC

GAS VOLUME REPORT

Urban 1-9

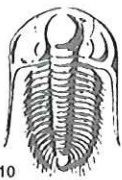
OPERATOR

WELL NAME AND NO.

3
DST NO.

1 ST flow				2 ND flow			
Min.	Ins. of Water PSIG	Orifice Size	CF/D	Min.	Ins. of Water PSIG	Orifice Size	CF/D
GTS IN 2 min							
5	240	3/4	3973691	5	250	3/4	4129890
15	250	3/4	4129890	10	250	3/4	4129890
				15	280	3/4	4598486
				20	280	3/4	4598486

Remarks:



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
FEB 15 2012
BY: _____

Test Ticket

NO. 46844

Well Name & No. Urban # 1-9 Test No. 4 Date 2-13-12
 Company Downing-Nelson Oil Co Inc Elevation 1953 KB 1945 GL
 Address PO Box 1019 Hays, Ks 67601
 Co. Rep / Geo. AL Downing Rig Discovery rig 3
 Location: Sec. 9 Twp. 16^s Rge. 17^w Co. Rush State K

Interval Tested 3538-3544 Zone Tested Arbuckle
 Anchor Length 6 Drill Pipe Run 3548 Mud Wt. 9
 Top Packer Depth 3533 Drill Collars Run - Vis 53
 Bottom Packer Depth 3538 Wt. Pipe Run - WL 9.2
 Total Depth 3544 Chlorides 5800 ppm System LCM 2#
 Blow Description IFP - Weak to a good blow 1/2" to 8" blow
ISIP - NO blow 20 min, then surface blow
FFP - Weak to strong in 10 min
FSTIP - surface blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>650</u>	<u>GIP</u>				
<u>70</u>	<u>CO</u>				
<u>20</u>	<u>GMO</u>	<u>20</u>	<u>65</u>		<u>15</u>

Rec Total 90 BHT 1 Gravity 25 API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>1683</u>	<input checked="" type="checkbox"/> Test <u>1125'</u>	T-On Location <u>2250</u>
(B) First Initial Flow <u>49</u>	<input type="checkbox"/> Jars	T-Started <u>2315</u>
(C) First Final Flow <u>52</u>	<input type="checkbox"/> Safety Joint	T-Open <u>0120</u>
(D) Initial Shut-In <u>1184</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>0420</u>
(E) Second Initial Flow <u>29</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0630</u>
(F) Second Final Flow <u>50</u>	<input checked="" type="checkbox"/> Mileage <u>52 RT 72.50</u>	Comments _____
(G) Final Shut-In <u>1131</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1674</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>45</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby	Total <u>1197.80</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total <u>1197.80</u>	

Approved By _____ Our Representative Ray Schwager *thank you*

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DRILL STEM TESTS

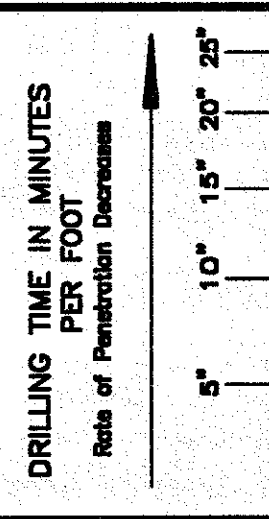
No.	Interval	IFP/Time	ISIP/Time	FFP/Time	FSIP/Time	HRT-FIN	RECOVERY

REMARKS AND RECOMMENDATIONS *THIS WELL HAD A VERY STRONG COND. SAND GAS TEST BUT A VERY LOW BTU - LOTS OF NITROGEN - BUT ALSO 2% HELIUM. PRODUCTION ATTEMPT IN THE ABOVE INITIALLY @ 3540' - 46'.*

For John

LEGEND

- Anhydrite
- Salt
- Sandstone
- Shale
- Carb sh
- Limestone
- Coil. Lime
- Chert
- Dolomite



DEPTH

LITHOLOGY

SAMPLE DESCRIPTIONS

OIL SHOWS

REMARKS

2850

2900

30

3050

Sh. gray

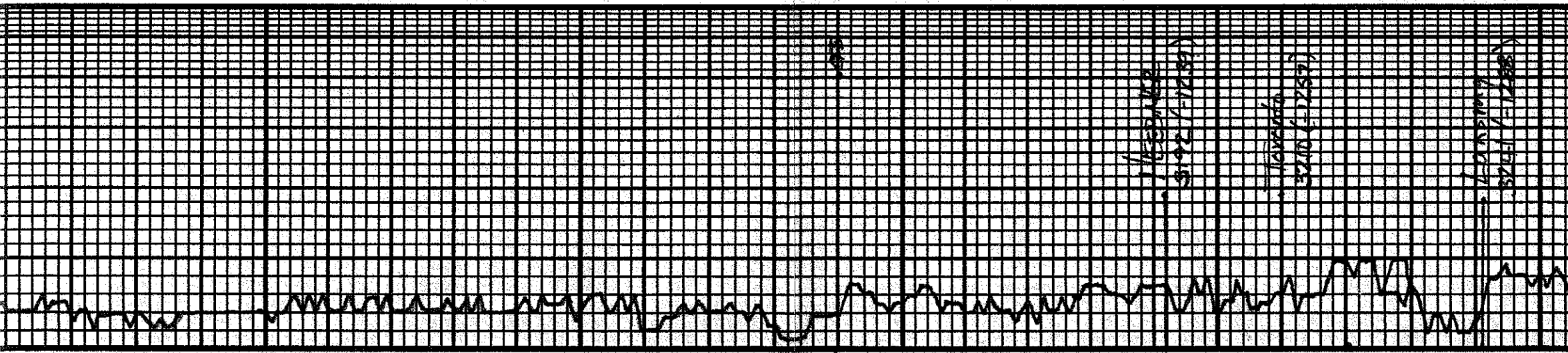
Ls: wht f-subxln ls.
w/ much gm shales
int bed.

Ls: gm - vfm, vDSE
Arthropods - gray - brown
Acht

Ls: gm - brown, w/ obs

2850
2900
3050





LS: Crm fm foss w small spst sta NsFm No odor	LS: Tan-wht v. fm v. dse w fwpes wnt skent	LS: Tan-off wnt v. coal Poor d. Ns.	LS: Tan fm silt calcareate v. small v. dse Ns.	Sh: Black - carb	Sh: gm - Brown	LS: wnt fm, silt calcareate Amorphous Ns No odor	LS: wnt - Tan fm foss dse LS: Tan fm v. dse - odd w/ good d v. good v. strong odor grossly uneven texture	LS: wnt f. subrn - only w Au Dicotyled fossil - A. d. wnt - Ns	LS: wnt subrn - chalky foss w No show - some v. ch. k.	Sh: Black - carb	LS: wnt v. fm v. dse	Sh: gm - Brown	LS: wnt Bone wnt v. fm No appd - Ns all v. dse	Sh: Red - gm - wnt Red - Brown	LS: wnt fm, all v. fm v. dse No Appd Ns No od.
---	---	--	---	------------------	----------------	--	--	--	---	------------------	----------------------	----------------	---	-----------------------------------	--

50

5100

50

3200

50

VIS 50
WT 9.0
WL 0.2
LUM 2#

DST # 1
15-30-60-60
Intral Flow
GTS - 12 min Tstn
Final:
10" - 30,776 CF9
20" - 27,603 "
30" - 24,431 "
→ stab till 60"
Zcc:
76' mag
IHP: 14.77 #
IIP: 32-36 #
FAP: 38-34 #
SIP: 871-865 #
Temp: 990F

DST # 1

163102
3210 (1257)

163102
3210 (1257)

163102
3210 (1257)

Sh. grey - Brown

LS: Whit Am. w. summer w. fair
Mtn. w. d. - No show No odor
a. q. totaly barren - become
dise

LS: Whit Am. w. stark v. light
occ. d. - No show - No odor
Lots v. Am. v. d. s. e.

LS: Tan Am. sil. w. board
MS. s. w. sp. s. m. No od. mostly
all d. s. e.

LS: Tan. H. q. m. fair. qd. v. good
w. M. w. fair. a. i. - No odor
v. strong

LS: Tan. cm. Am. d. s. e. s. m.
v. Am. l. s. s.

LS: Tan. cm. Am. v. l. g. a. n.
sp. s. m. No od. No od.

LS: Tan. H. q. m. v. Am. all v. d. s. e.
w. grey d. s. e. w.

sh. q. m.

LS: Tan. Am. w. s. e. a. b. l. inter. m.
at v. q. d. v. s. p. s. m. No od.
som. 1/4 s. s. m. w. m. d. s. e. m. 1-2
pc. mostly all d. s. e.

LS: Unt. fair. w. fair. v. l. y. d.
w. h. u. s. h. e. a. d. - strong
v. Am. odor - most d. s. e.

LS: Whit. Tan. Am. v. d. s. e. w. good
D. s. e. d. w. s. p. s. m. Fair. odor. som.
g. a. s. y. w. m. d. s. e.

LS: Tan. f. a. m. v. l. y. d. 1-2 s. d. e. p. p. i.
the. t. a. s. s. p. v. m. w. s. p. s. m. d. s. e.

LS: Whit. m. s. t. f. a. v. f. a. m. d. s. e. p. r.
m. s. p. s. m. s. m. p. e. s. f. a. s. t. i. n. g.
in. m. i. c. r. o. s. c. o. p. e. w. h. e. s. a. l. l. c. e. n. t.

UDMS barren. Is a. a. s. p. e. s.
f. a. n. g. f. a. m. - H. b. m. a. l. l. b. a. r. r. e. n.
s. m.

sh. g. r. y.

UDMS on micro. 1-2 p. s. d. e. w. p. r.
v. Am. d. s. e. m. s. t. 1-2 p. e. s. d. s. e. w. o. o.
f. a. n. g. f. a. m. w. m. d. s. e.

sh. d. s. e. g. r. y.

LS

sh. r. o. s. e. m.
s. o. d. y. w. h. e. s. 1-2 v. m. s. p. s. m. w. m. y.
s. m. l. r. s. m. d. g. r. a. s. s. m. i. c. r. o. s. c. o. p. e.
w. h. e. s. a. l. l. c. e. n. t.

3300

50

3400

50

3500

V. s. 52
wt 8.2
wt 8.9
com 1/2#

DST #2
3356-3430
30-30-30-30

Rec
110' gip
10' 50g/cm

IRP: 1600#
IFP: 18-87#
FP: 17-24#
SIP: 87-72#
CIP: 1594#

DST #8
3401-3575
15' 60"-20'-120"
1st op 675 2"
3,973,000 1st op
4,598,000 2nd op
Rec 50' m
IFP 798-788
FFP 776-797
SIP 1122-1145
HP 1048-1032
OHT 110°

A S T #3

8

MSHC - 1503
KOP - 1510

MSHC - 1503
KOP - 1510

fine ss plates etc and silty sand sub
and silty sand, sm to med w/ 5 to 51
w/ local phosporoch

sm to med, 2 to 3 mm, dark, no por, no
sm to med, 5 to 10 mm, dark

decimate sh - clay matrix, clay
sm to med, 5 to 10, v. gd. med. silt
sm to med, 5 to 10 mm

decimate sh - clay matrix, clay
v. gd. med. silt, v. gd. med. silt
sm to med, 5 to 10 mm, v. gd. med. silt
Broken

2000 spp. of sm to med
sm w/ leached v. gd. med. silt
frac. of sh. med, much less silt

more sh matrix
Dred as above sm to
med, poss. frac. of sh. med
pr. silt, med. silt, broken sh.

sm to med, 5 to 10 mm, dark
wh, gd. med. silt, broken sh.

only all light brown
wh - thin, 2000

Dec aa

aa

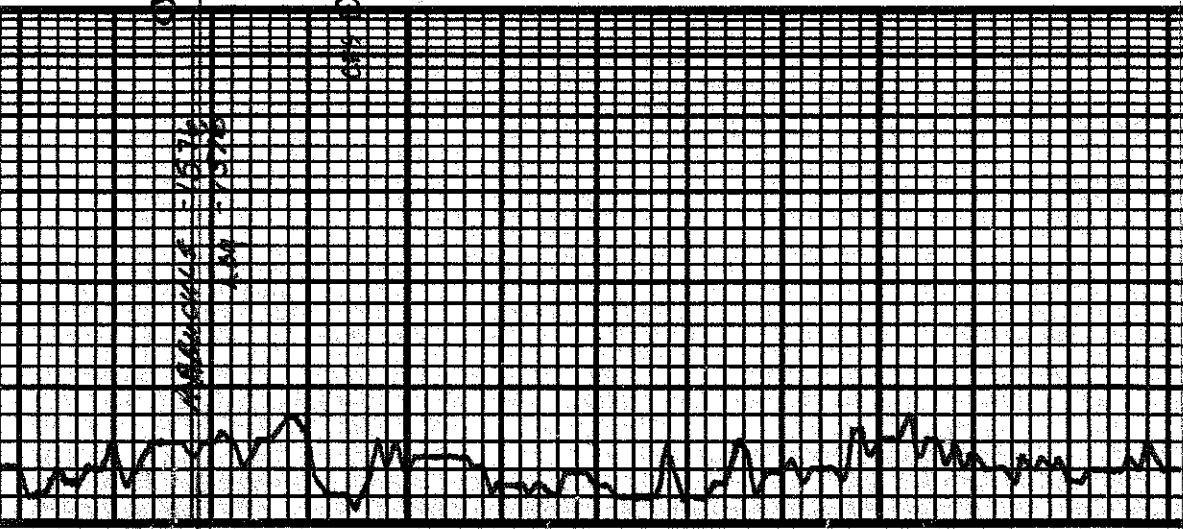
2000 spp. of sh. med
K.I.

For Nelson

50

3600

50



10/24/57

11/10/57

11/27/57

DST #4

3538-3544

45.265" - 45" - 45"

1" top of blow

(P. 10. 10. 10)

1st SI surf blow @ 20

2nd top 800.10"

2nd SI surface blow

IFP 49-52

FFP 29-50

HP 164-191

HP 1683-1674

Rec 650.945

70°C. leav. air

20.6 MO

Gravity 25

	DRILLING TIME Minutes/Foot Rate of Penetration Decreases	DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS

CONTRACTOR DISCOVERY DRILLING PIG # 3
 LEASE 11200001-9 IP ADA
 ELEVATION 1953' KA RTD 3100'

LOCATION 1203' FANG # 1581 FANG
 SEC 9 TWP 16 S RNG 12 W
 COUNTY Rock STATE Arkansas