



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: _____



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

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

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	Dorzweiler 2-35
Doc ID	1130577

Tops

Name	Top	Datum
Top Anhydrite	1628'	+664
Base Anhydrite	1670'	+622
Topeka	3326'	-1034
Heebner	3558'	-1266
Toronto	3574'	-1282
LKC	3595'	-1303
BKC	3842'	-1550
Marmaton	3910'	-1618
Cherokee Shale	3953'	-1661
Arbuckle	4005'	-1713

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. 6577

Date	3-8-13	Sec.	35	Twp.	13	Range	21	County	Hrego	State	KS	On Location	5:00pm	Finish	6:00pm
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Location Ellis S to Victoria RD W to 400 1/2 N W 40

Lease	Dorzweiler	Well No.	2-35	Owner	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.
Contractor	Discography 3			Charge To	Downing Johnson Nelson
Type Job	Surface			Street	
Hole Size	12 1/4	T.D.	221	City	
Csg.	858	Depth		State	
Tbg. Size		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Tool		Depth		Cement Amount Ordered	3900 3900
Cement Left in Csg.	204	Shoe Joint	204		150 com
Meas Line		Displace	12 1/4		

EQUIPMENT

Pumptrk	5	No.	Cementer	John	Common	150
			Helper		Poz. Mix	
Bulktrk	13	No.	Driver	Boett	Gel.	3
			Driver		Calcium	5
Bulktrk	04	No.	Driver	Heath		
			Driver			

JOB SERVICES & REMARKS

Remarks:		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	15B
		Mileage	

Cement did Circulate

FLOAT EQUIPMENT

	Guide Shoe	
	Centralizer	
	Baskets	
	AFU Inserts	
	Float Shoe	
	Latch Down	

Pumptrk Charge	Surface	
Mileage	24	
		Tax
		Discount
		Total Charge

X Signature John D. ...

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. 6449

Date	3-7-13	Sec.	5	Twp.	14	Range	21	County	Leago	State		On Location		Finish	7:00 AM
Lease	Shirley			Well No.	1-5			Location	Rgs. 5 to RDS 1W to 370 I						
Contractor	Discovery 3							Owner	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.						
Type Job	plug							Charge To	Downing - Nelson						
Hole Size		T.D.	40 1/4					Street							
Csg.	Dillipe			Depth				City	State						
Tbg. Size		Depth						The above was done to satisfaction and supervision of owner agent or contractor.							
Tool		Depth						Cement Amount Ordered	220 60/40 490 gal						
Cement Left in Csg.		Shoe Joint						Meas Line	Displace 1/4 flow						
EQUIPMENT								Common	132						
Pumptrk	No.	Cementer	Joe B					Poz. Mix	88						
Bulktrk	No.	Driver	Brett P					Gel.	8						
Bulktrk	No.	Driver	Billy K					Calcium							
JOB SERVICES & REMARKS								Hulls							
Remarks:								Salt							
Rat Hole								Flowseal	50#						
Mouse Hole								Kol-Seal							
Centralizers								Mud CLR	48						
Baskets								CFL-117 or CD110 CAF	38						
D/V or Port Collar								Sand							
4st	1630 ft		23 SX					Handling	228						
2nd	775 ft		100 SX					Mileage							
3rd	270 ft		40 SX					FLOAT EQUIPMENT							
4th	40 ft		10 SX					Guide Shoe							
								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Wood plug							
								Pumptrk Charge	plug						
								Mileage	27						
								Tax							
								Discount							
								Total Charge							
Signature <i>John Smith</i>															

JOB LOG

SWIFT Services, Inc.

DATE 3-14-17 PAGE NO. 1

CUSTOMER Downings & Nelson WELL NO. 2-35 LEASE Dorzweiler JOB TYPE Cement Linstriping TICKET NO. 23917

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1515							On loc F.E
	1620							Start 5 1/2" casing 19 #/ft. to 411'
								Insert float w/ fill up (99.8 BBL)
								D.V.L.D. Baffle - SJ - 19.63' @ 4091
								Cent - 1-3-5-7-9-11-59
								Cent basket #60
								D.V. #10 @ 1615' ± 39 1/2'
								Drop fill up ball - Top Bottom
	1645							St. cir / Rotate
	1715							Fin cir
		5	12					500 gal Mud flush
		6	20					20 BBL KCL flush
		4	36					150 SKS EA-2 - mat
								Fin cent / Wash P/L
								Drop L.D. Plug - Start Displ
			60					60 BBL H ₂ O - 20 mud / 40 KCL flush
	1900		20	100	Total		800 / 1500	Plug down - 1st stage
								Drop D.V. opening tool
								Plug RH - 30 SKS MLL - 15 SKS (SWH)
								Open D.V. w/ TRC. - Fin KCL flush
		6						Start 155 SKS mud
		5	86					Fin mat - Drop D.V. closing Plug
		5						Start Displ
	1945		40				400 / 1400	Plug down - 2nd stage
								D.V. closed - Release & held
								Wash up & Rebed
								25 SKS SWH CIR top

Franklin
 Dan, Don & Fleck



DRILL STEM TEST REPORT

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

PO Box 1019
Hays KS 67601

ATTN: Marc Downing

Dorzweiler #2-35

35-13s-21w Trego,KS

Start Date: 2013.03.12 @ 07:55:00

End Date: 2013.03.12 @ 15:25:00

Job Ticket #: 52037 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.03.18 @ 16:10:11



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc.

35-13s-21w Trego,KS

PO Box 1019
Hays KS 67601

Dorzweiler #2-35

Job Ticket: 52037

DST#: 1

ATTN: Marc Dow ning

Test Start: 2013.03.12 @ 07:55:00

GENERAL INFORMATION:

Formation: **KC "H,I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:02:00

Time Test Ended: 15:25:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 59

Interval: 3717.00 ft (KB) To 3773.00 ft (KB) (TVD)

Reference Elevations: 2291.00 ft (KB)

Total Depth: 3773.00 ft (KB) (TVD)

2283.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6753

Inside

Press @ RunDepth: 27.64 psig @ 3718.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.12

End Date:

2013.03.12

Last Calib.:

2013.03.12

Start Time: 07:55:05

End Time:

15:24:59

Time On Btm:

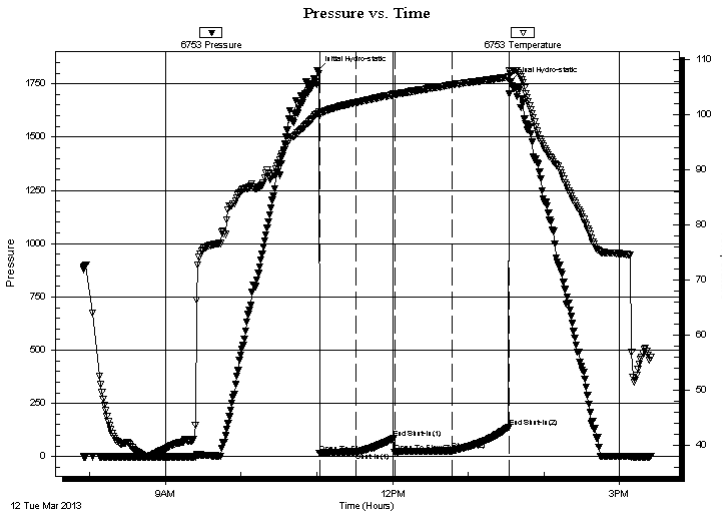
2013.03.12 @ 11:00:30

Time Off Btm:

2013.03.12 @ 13:33:30

TEST COMMENT: IF-1 1/4" blow
IS- No blow
FF-1 3/4" blow
FS- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1813.02	100.12	Initial Hydro-static
2	16.15	99.79	Open To Flow (1)
31	22.42	102.14	Shut-In(1)
60	86.42	103.64	End Shut-In(1)
61	21.62	103.57	Open To Flow (2)
107	27.64	105.41	Shut-In(2)
152	139.72	106.73	End Shut-In(2)
153	1758.69	107.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	VSWOCM 5%W 15%O 80%M	0.07

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.

35-13s-21w Trego,KS

PO Box 1019
Hays KS 67601

Dorzweiler #2-35

Job Ticket: 52037

DST#: 1

ATTN: Marc Dow ning

Test Start: 2013.03.12 @ 07:55:00

Tool Information

Drill Pipe:	Length: 3677.00 ft	Diameter: 3.80 inches	Volume: 51.58 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
				String Weight: Initial	62000.00 lb
Drill Pipe Above KB:	11.00 ft			Final	62000.00 lb
Depth to Top Packer:	3717.00 ft				
Depth to Bottom Packer:	ft				
Interval betw een Packers:	56.00 ft				
Tool Length:	77.00 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			3697.00	
Shut In Tool	5.00			3702.00	
Hydraulic tool	5.00			3707.00	
Packer	5.00			3712.00	21.00 Bottom Of Top Packer
Packer	5.00			3717.00	
Stubb	1.00			3718.00	
Recorder	0.00	6753	Inside	3718.00	
Recorder	0.00	8166	Outside	3718.00	
Perforations	3.00			3721.00	
Change Over Sub	1.00			3722.00	
Drill Pipe	32.00			3754.00	
Change Over Sub	1.00			3755.00	
Perforations	15.00			3770.00	
Bullnose	3.00			3773.00	56.00 Bottom Packers & Anchor

Total Tool Length: 77.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil Co Inc.

35-13s-21w Trego,KS

PO Box 1019
Hays KS 67601

Dorzweiler #2-35

Job Ticket: 52037

DST#: 1

ATTN: Marc Dow ning

Test Start: 2013.03.12 @ 07:55:00

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: 51.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
15.00	VSWOCM 5%W 15%O 80%M	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6753

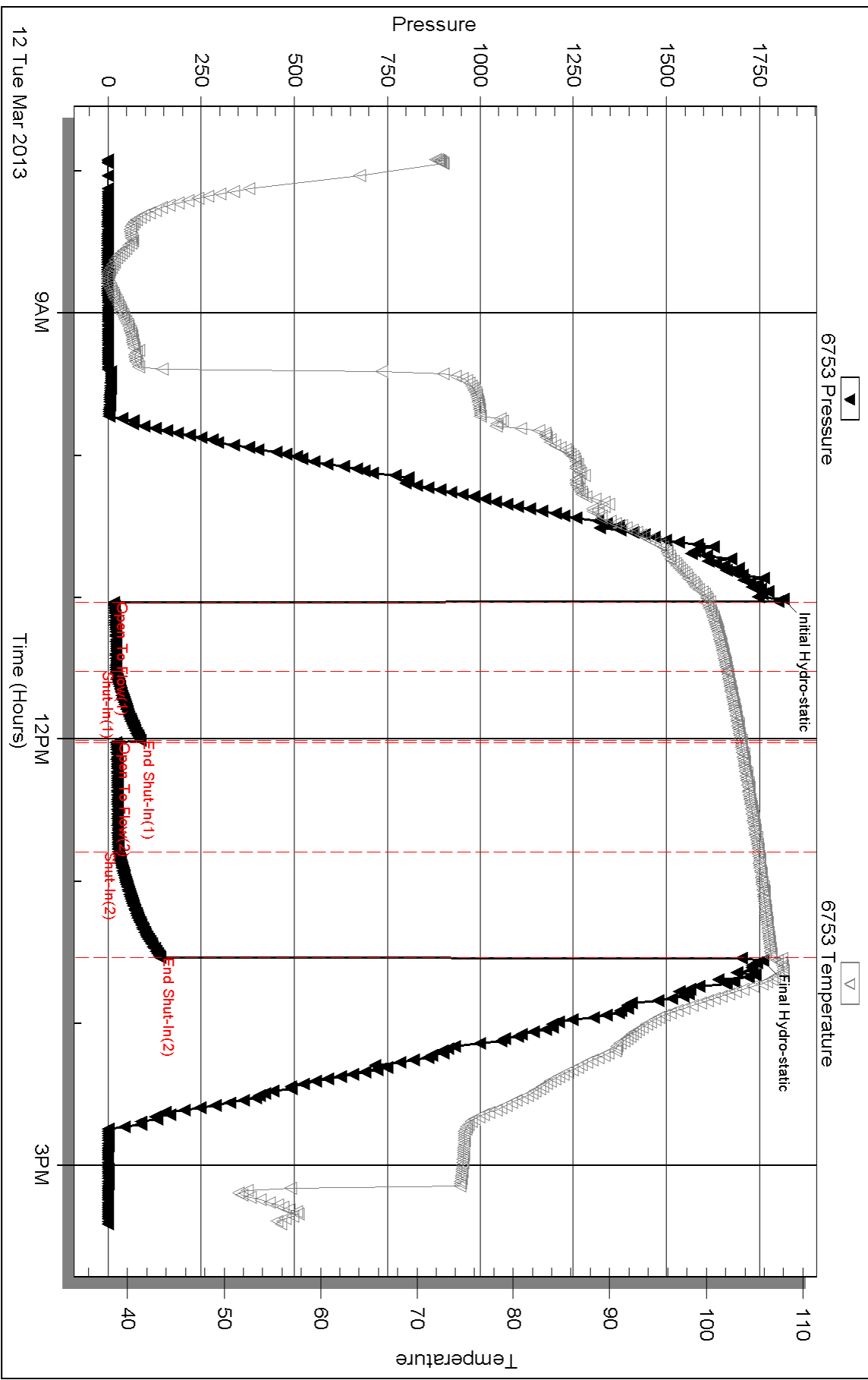
Inside

Dorning-Nelson Oil Co Inc.

Dorweiler #2-35

DST Test Number: 1

Pressure vs. Time

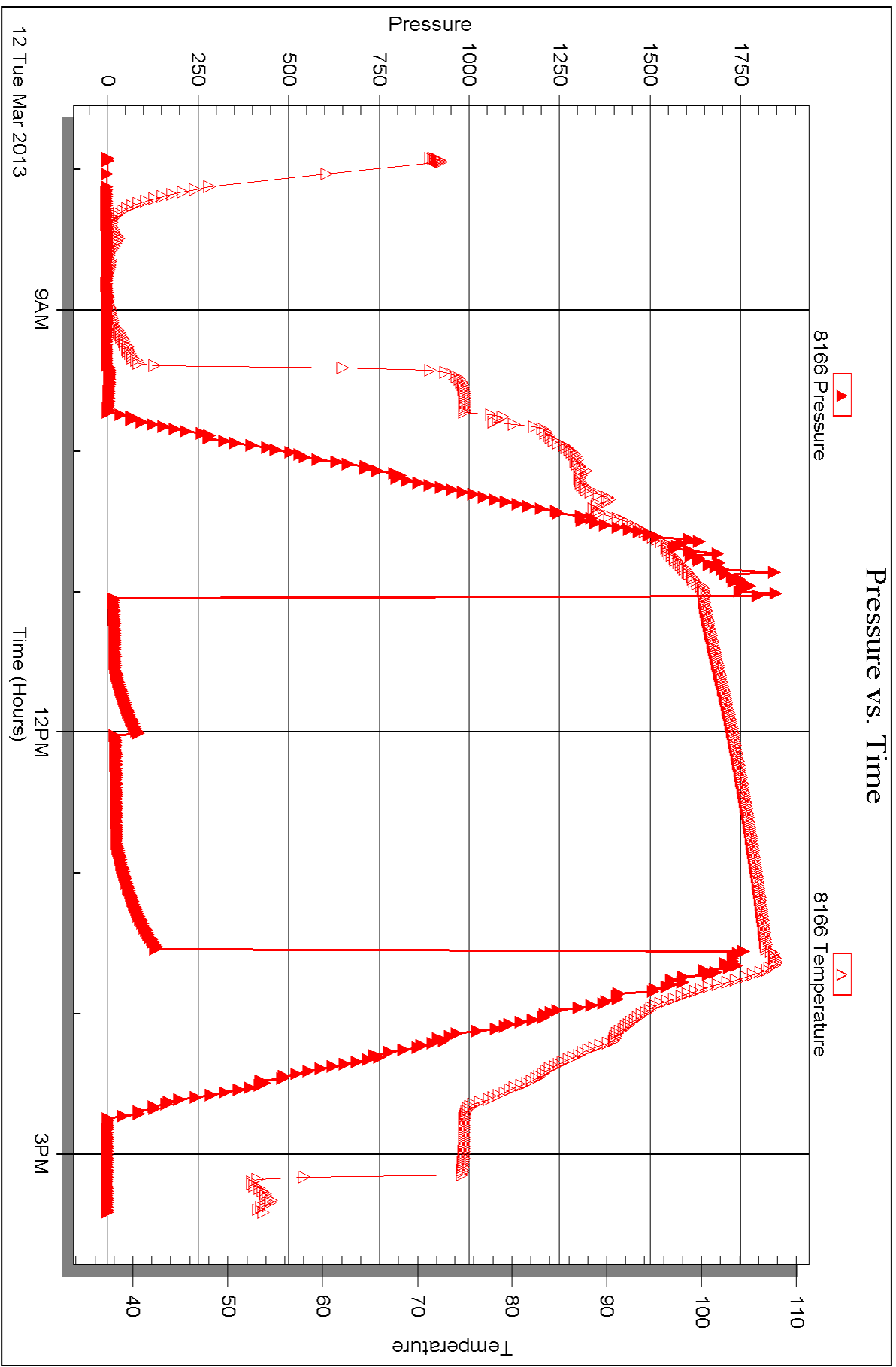


Serial #: 8166

Outside Dow nung-Nelson Oil Co Inc.

Dorzw eiler #2-35

DST Test Number: 1





DRILL STEM TEST REPORT

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

PO Box 1019
Hays KS 67601

ATTN: Marc Downing

Dorzweiler #2-35

35-13s-21w Trego,KS

Start Date: 2013.03.13 @ 06:05:00

End Date: 2013.03.13 @ 13:58:00

Job Ticket #: 52038 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.03.18 @ 16:07:55



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc.

35-13s-21w Trego,KS

PO Box 1019
Hays KS 67601

Dorzweiler #2-35

Job Ticket: 52038

DST#: 2

ATTN: Marc Dow ning

Test Start: 2013.03.13 @ 06:05:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:32:30

Time Test Ended: 13:58:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: 3918.00 ft (KB) To 3955.00 ft (KB) (TVD)

Reference Elevations: 2291.00 ft (KB)

Total Depth: 3955.00 ft (KB) (TVD)

2283.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6753

Inside

Press @ Run Depth: 100.01 psig @ 3919.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.13

End Date:

2013.03.13

Last Calib.:

2013.03.13

Start Time: 06:05:05

End Time:

13:57:59

Time On Btm:

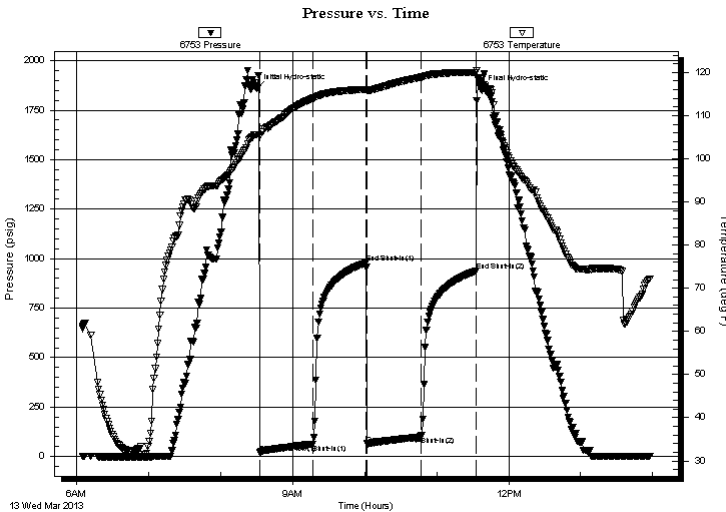
2013.03.13 @ 08:30:00

Time Off Btm:

2013.03.13 @ 11:37:00

TEST COMMENT: IF-BOB in 26 min
ISI-Weak surface blow
FF-BOB in 38 min
FSI-1/4" blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1861.12	105.60	Initial Hydro-static
3	18.79	105.20	Open To Flow (1)
47	63.07	113.94	Shut-In(1)
91	978.30	116.09	End Shut-In(1)
92	64.54	115.86	Open To Flow (2)
137	100.01	118.85	Shut-In(2)
183	936.97	120.03	End Shut-In(2)
187	1855.16	118.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	V SOMCW 2%O 68%W 30%M	0.57
30.00	SOWCM 10%O 30%W 60%M	0.42
120.00	SGO 5%G 95%O	1.68
0.00	150ft 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

Dow ning-Nelson Oil Co Inc.

35-13s-21w Trego,KS

PO Box 1019
Hays KS 67601

Dorzweiler #2-35

Job Ticket: 52038

DST#: 2

ATTN: Marc Dow ning

Test Start: 2013.03.13 @ 06:05:00

Tool Information

Drill Pipe:	Length: 3897.00 ft	Diameter: 3.80 inches	Volume: 54.66 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	64000.00 lb
Depth to Top Packer:	3918.00 ft			Final	65000.00 lb
Depth to Bottom Packer:	ft				
Interval betw een Packers:	37.00 ft				
Tool Length:	58.00 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			3898.00	
Shut In Tool	5.00			3903.00	
Hydraulic tool	5.00			3908.00	
Packer	5.00			3913.00	21.00 Bottom Of Top Packer
Packer	5.00			3918.00	
Stubb	1.00			3919.00	
Recorder	0.00	6753	Inside	3919.00	
Recorder	0.00	8166	Outside	3919.00	
Perforations	3.00			3922.00	
Perforations	30.00			3952.00	
Bullnose	3.00			3955.00	37.00 Bottom Packers & Anchor

Total Tool Length: 58.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil Co Inc.

35-13s-21w Trego,KS

PO Box 1019
Hays KS 67601

Dorzweiler #2-35

Job Ticket: 52038

DST#: 2

ATTN: Marc Dow ning

Test Start: 2013.03.13 @ 06:05:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

32 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

55000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	VSOMCW 2%O 68%W 30%M	0.568
30.00	SOWCM 10%O 30%W 60%M	0.421
120.00	SGO 5%G 95%O	1.683
0.00	150ft GIP	0.000

Total Length: 210.00 ft

Total Volume: 2.672 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6753

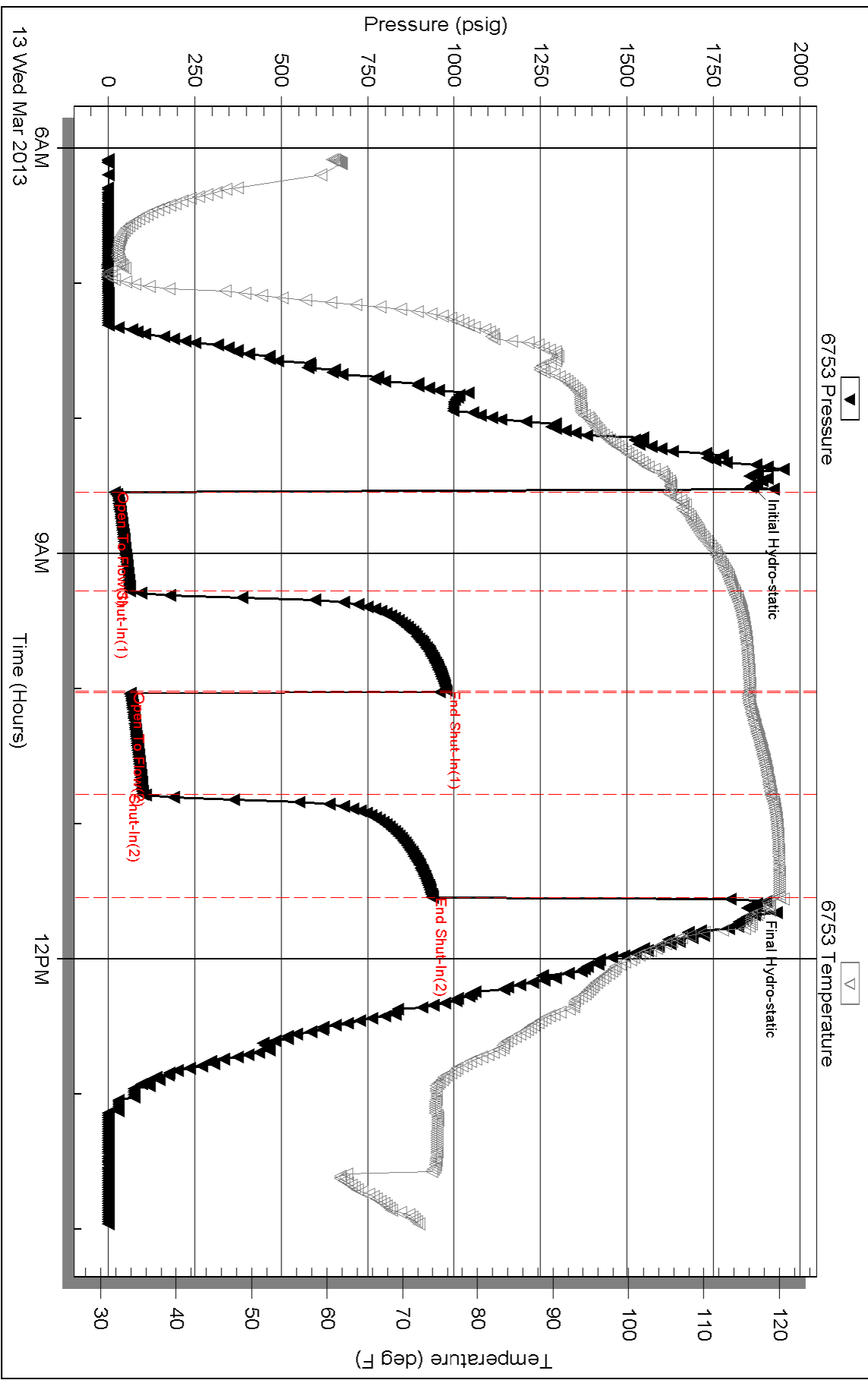
Inside

Dow nung-Nelson Oil Co Inc.

Dorzw eiler #2-35

DST Test Number: 2

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 52038

Printed: 2013.03.18 @ 16:07:57

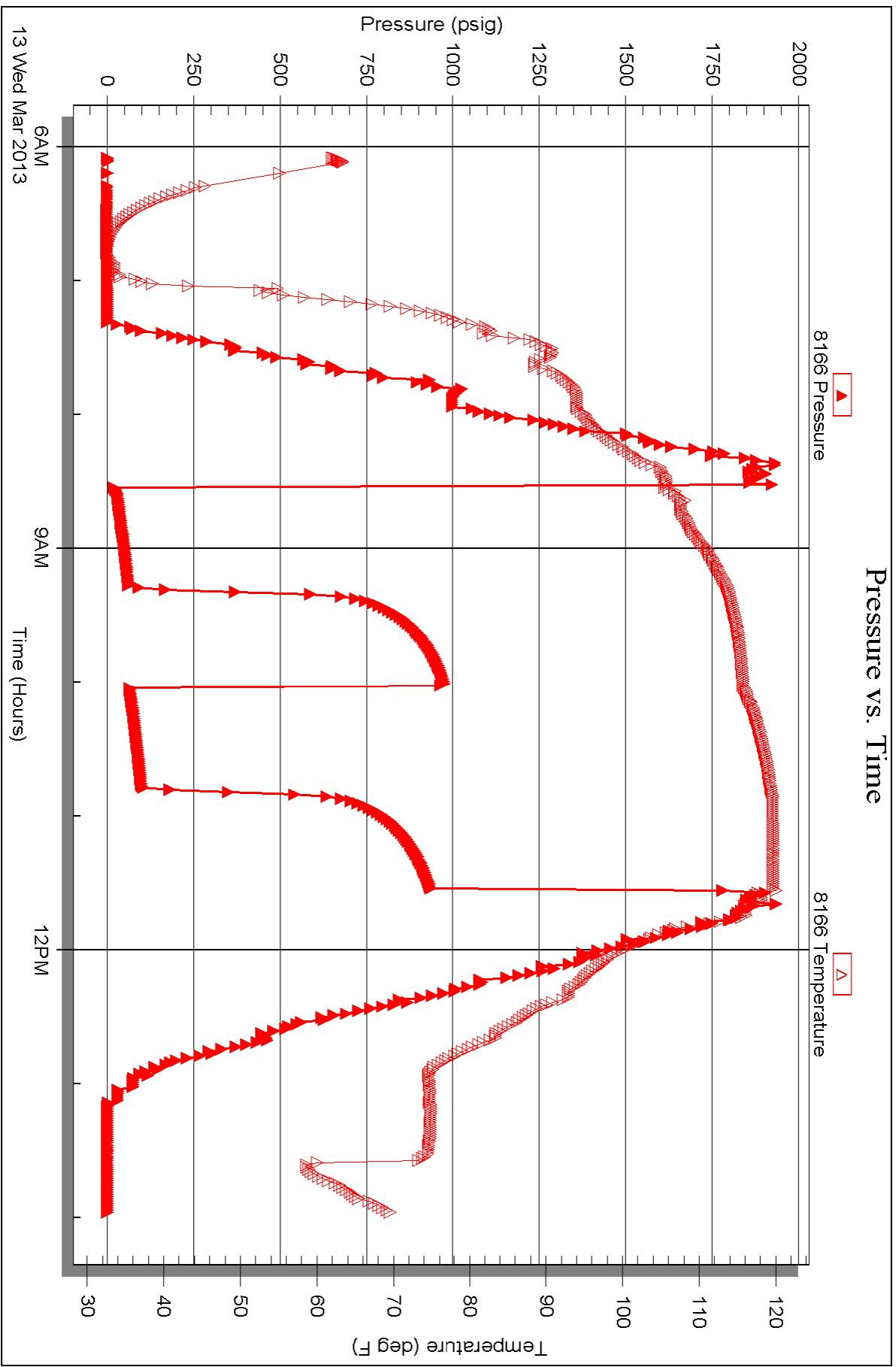
Serial #: 8166

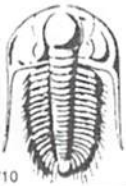
Outside

Dow nung-Nelson Oil Co Inc.

Dorzw eiler #2-35

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52037

Well Name & No. Dorzweiler #2-35 Test No. 1 Date 3/12/13
 Company Downing-Nelson Oil Co Inc Elevation 2291 KB 2283 GL
 Address PO Box 1019 Hays KS 67601
 Co. Rep / Geo. Marc Downing Rig Discovery #3
 Location: Sec. 35 Twp. 13 Rge. 21 Co. Trego State KS

Interval Tested 3717-3773 Zone Tested KC "H, J"
 Anchor Length 56 Drill Pipe Run 3677 Mud Wt. 8.8
 Top Packer Depth 3712 Drill Collars Run 30 Vis 51
 Bottom Packer Depth 3717 Wt. Pipe Run - WL 8.4
 Total Depth 3773 Chlorides 2,500 ppm System LCM 2
 Blow Description FF - 1 1/4 in blow
FSI - No blow
FF - 1 3/4 in blow
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>45 wocm</u>	<u>15</u>	<u>5</u>	<u>80</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 15 BHT 107 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1813 Test 1150 T-On Location 6:25
 (B) First Initial Flow 16 Jars _____ T-Started 7:55
 (C) First Final Flow 22 Safety Joint _____ T-Open 11:00
 (D) Initial Shut-In 86 Circ Sub _____ T-Pulled 13:30
 (E) Second Initial Flow 22 Hourly Standby _____ T-Out 15:25
 (F) Second Final Flow 28 Mileage 52 RT 80.60 Comments _____
 (G) Final Shut-In 140 Sampler _____
 (H) Final Hydrostatic 1,759 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1230.60
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1230.60

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. 52038

Well Name & No. Porzweiler #2-35 Test No. 2 Date 3/13/13
 Company Downing - Nelson Oil Co Inc. Elevation 2291 KB 2283 GL
 Address PO Box 1019 Hays KS 67601
 Co. Rep / Geo. Marc Downing Rig Discovery #3
 Location: Sec. 35 Twp. 13 Rge. 21 Co. Trego State KS

Interval Tested 3918 - 3955 Zone Tested Marmaton
 Anchor Length 37 Drill Pipe Run 3897 Mud Wt. _____
 Top Packer Depth 3913 Drill Collars Run 30 Vis _____
 Bottom Packer Depth 3918 Wt. Pipe Run _____ WL _____
 Total Depth 3955 Chlorides _____ ppm System LCM _____

Blow Description FF - BOB in 26min
FSI - weak surface blow
FF - BOB in 38min
FSI - 4in blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>vsomcw</u>	<u>2</u>	<u>68</u>	<u>30</u>	
<u>30</u>	<u>so wcm</u>	<u>10</u>	<u>30</u>	<u>60</u>	
<u>120</u>	<u>So</u>	<u>5</u>	<u>95</u>		
	<u>150 FT GIP</u>				

Rec Total 210 BHT _____ Gravity 32 API RW .2 @ 50 ° F Chlorides 55,000 ppm
 (A) Initial Hydrostatic 1,861 Test 1150 T-On Location 5:50
 (B) First Initial Flow 19 Jars _____ T-Started 6:05
 (C) First Final Flow 63 Safety Joint _____ T-Open 8:33
 (D) Initial Shut-In 978 Circ Sub _____ T-Pulled 11:33
 (E) Second Initial Flow 65 Hourly Standby _____ T-Out 14:00
 (F) Second Final Flow 160 Mileage 52 RT 161.20 Comments _____
 (G) Final Shut-In 937 Sampler _____
 (H) Final Hydrostatic 1,855 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1311.20
 Accessibility _____ MP/DST Disc't _____

Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45
 Sub Total 1311.20

Approved By _____ Our Representative Beth D...

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COMPANY: Downing-Nelson Oil Co., Inc.
WELL: Doraweller #2-35
FIELD: Agave NE



LOCATION: B13 FNL + G01 FEL
SEC. 35 TWP. 13S RGE. 21W
ELEVATION: KB 2292
PRODUCTION: Murmuration
DB A292
GL A284

STATE: Kansas
COUNTY: Trego
OPERATOR: DNOCT
CONTRACTOR: Discovery Drilling Rig 32
COMM: 3-4-13
CASPING RECORD: 3-14-13
SURF: 68' e 221' prog. 67' e 4115'
TOTAL DEPTH DRILLERS: 4114'
TOTAL DEPTH LOG: 4114'

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SURFSEA POSITION	STRUCTURAL POSITION
Tag Arkwright	1635	1624	1644	-1
Base Arkwright	1671	1676	1672	-2
Tanaka	3324	3324	-1831	-10
Heegner	3359	3354	-1544	-4
Toronto	3374	3374	-1547	-1
LKC	3574	3574	-1833	-1
Marmaton	3842	3842	-1843	-6
Cherokee Sh.	3954	3954	-1641	-3
Arbuckle	4006	4006	-1713	-1

REFERENCE WELL FOR STRUCTURE: DNOCT
Doraweller #1-35
G01 FEL + G02 FEL
Sec. 35-13S-21W

DRILL STEM TESTS

No.	Interval	IFP/Time	ISF/Time	FFP/Time	ESF/Time	HP-FHP	RECOVERY

REMARKS AND RECOMMENDATIONS

LEGEND

