



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: _____



1148414

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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> 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	Georgine Staab 1-19
Doc ID	1148414

All Electric Logs Run

Sonic
Micro
Dual Induction
Compensated Density/Neutron

Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	Georgine Staab 1-19
Doc ID	1148414

Tops

Name	Top	Datum
Top Anhydrite	1360'	+752
Base Anhydrite	1401'	+711
Topeka	3127'	-1015
Heebner	3382'	-1270
Toronto	3402'	-1290
LKC	3432'	-1320
BKC	3659'	-1547
Arbuckle	3774'	-1662

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. 6953

Date	Sec.	Twp.	Range	County	State	On Location	Finish
5-23-13	19	14	18	ELLIS	KANSAS		3:00 AM

Location Hays - 5th Muntor Rd. - 2 1/2 W - N/INTO

Lease	Well No.	Owner
GOEGETINE STAAB	#1-19	DOWNTON & NELSON
Contractor		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		
SURFACE		
Hole Size	T.D.	Charge To
12 1/4"	638'	DOWNTON & NELSON
Csg.	Depth	Street
8 5/8" - 23LB - NEW	638'	P.O. Box 1019
Tbg. Size	Depth	City
		HAYS
Tool	Depth	State
		KS, 67601
Cement Left in Csg.	Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.
	15'	Cement Amount Ordered
		275com 3cc - 2% GEL
Meas Line	Displace	
	39 1/2 BBLs	

EQUIPMENT

Pumptrk #9	No.	Cementer	Common
		Helper TRAVIS H.	275
Bulktrk #1	No.	Driver	Poz. Mix
		DAVID L.	5
Bulktrk DJW	No.	Driver	Gel.
		CISCO A.	10
			Calcium

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 290
	Mileage

CEMENT DID CIRCULATE!

FLOAT EQUIPMENT

Guide Shoe
Centralizer
Baskets
AFU Inserts
Float Shoe
Latch Down

Pumptrk Charge	Long Surface
Mileage	7

X Signature <i>Mike [unclear]</i>	Tax
	Discount
	Total Charge

THANK YOU!

JOB LOG

SWIFT Services, Inc.

DATE 5-28-13 PAGE NO. 1

CUSTOMER Dawkins & Nelson WELL NO. 1-19 LEASE Gorgine Stubb JOB TYPE Cement Logging TICKET NO. 24344

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		TO 3835'	DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING		
5/28	2110								ON location - Float Equip
	2130								Start 5 1/2" - 14 #/ft. casing 3827'
									Insert Float Shoe w/ fill up
									D.V. L.D. Bottle - 55 - 16' = 93 BBL
									Cent - 1-3-5-7-9-11-59
									Cent Basket #60
									D.V. Tool #60 collar @ 1352' = 33 BBL
									Drop ball - 5 sts out
5/28	2300								Fin run casing - Tag
	2315								Start CIR / Rotate casing
									Fin CIR
		6					250		1st Stage - Start 500 gal mud plant
		6	12 / 32				250		Pump 20 BBL KCL Plant
		4 1/2					200		Start 150 SKS EAT-2 cent.
			36				100		Fin cent - Wash pump lines
		9					200		Drop D.V. L.D Plus - Start Disp 1
			60 / 70				60 / 70		60 / 70 - 33 mud / 70 cement lift
5/29	0030		93				800 / 140		Plus Down - Hold Release & Hold (SMD)
	0032		9 / 5						Drop D.V. open Tool - Plug RH w/ 89/15
	0045	6	20				1050 / 710		Open D.V. - Fin flush & circulating
		5					250		2nd Stage - Start 155 SKS SMD
			86						Fin cent - Drop D.V. Closing Plug
							250		Start Disp 1
	0120		33				500 / 740		Plug down - 30 SKS cent CIR to pit
									Release & Hold
	0130								Job Complete
									Washing & Rekey

[Signature]
 Don, Tom & Rob



DRILL STEM TEST REPORT

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

PO Box 1019
Hays KS 67601

ATTN: Marc Downing

Georgine Staab #1-19

19-14s-18w Ellis KS

Start Date: 2013.05.26 @ 23:23:00

End Date: 2013.05.27 @ 07:02:30

Job Ticket #: 52199 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.05.31 @ 11:13:33



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Downing Nelson Oil Co Inc

19-14s-18w Ellis KS

PO Box 1019
Hays KS 67601

Georgine Staab #1-19

Job Ticket: 52199

DST#: 1

ATTN: Marc Downing

Test Start: 2013.05.26 @ 23:23:00

GENERAL INFORMATION:

Formation: **LKC H-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:04:15

Time Test Ended: 07:02:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Cody Bloedorn

Unit No: 43

Interval: 3538.00 ft (KB) To 3614.00 ft (KB) (TVD)

Reference Elevations: 2105.00 ft (KB)

Total Depth: 3614.00 ft (KB) (TVD)

2097.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6799

Inside

Press @ Run Depth: 147.69 psig @ 3606.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.26

End Date:

2013.05.27

Last Calib.:

2013.05.27

Start Time: 23:23:05

End Time:

07:02:29

Time On Btm:

2013.05.27 @ 02:04:00

Time Off Btm:

2013.05.27 @ 05:07:45

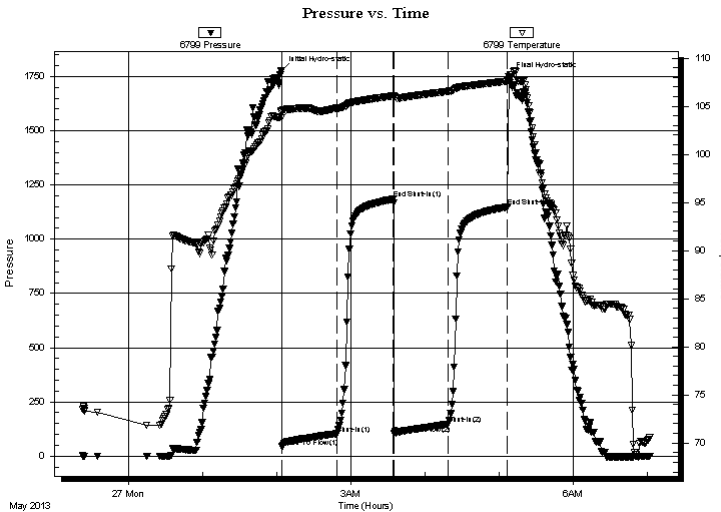
TEST COMMENT: 45 - IF- B.O.B. in 13 Minutes.

45 - IS- Surface return

45 - FF- B.O.B. in 4 Minutes

45 - FS- 5" return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1777.98	104.52	Initial Hydro-static
1	42.78	103.78	Open To Flow (1)
45	102.53	104.80	Shut-In(1)
91	1184.06	106.09	End Shut-In(1)
91	102.93	105.85	Open To Flow (2)
135	147.69	106.54	Shut-In(2)
183	1148.93	107.61	End Shut-In(2)
184	1748.14	108.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	HOCM, 40%O, 60%M	0.59
124.00	GHOCM, 20%M, 40%O, 40%G	1.74
124.00	GMCO, 5%G, 40%M, 55%O	1.74
0.00	248' of G.I.P.	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Downing Nelson Oil Co Inc

19-14s-18w Ellis KS

PO Box 1019
Hays KS 67601

Georgine Staab #1-19

Job Ticket: 52199

DST#: 1

ATTN: Marc Downing

Test Start: 2013.05.26 @ 23:23:00

Tool Information

Drill Pipe:	Length: 3507.00 ft	Diameter: 3.80 inches	Volume: 49.19 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 56000.00 lb
			<u>Total Volume: 49.34 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3538.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	76.00 ft			
Tool Length:	97.00 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			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	
Perforations	3.00			3542.00	
Change Over Sub	1.00			3543.00	
Drill Pipe	62.00			3605.00	
Change Over Sub	1.00			3606.00	
Recorder	0.00	6799	Inside	3606.00	
Recorder	0.00	8648	Inside	3606.00	
Perforations	5.00			3611.00	
Bullnose	3.00			3614.00	76.00 Bottom Packers & Anchor

Total Tool Length: 97.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing Nelson Oil Co Inc

19-14s-18w Ellis KS

PO Box 1019
Hays KS 67601

Georgine Staab #1-19

Job Ticket: 52199

DST#: 1

ATTN: Marc Downing

Test Start: 2013.05.26 @ 23:23:00

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	HOCM, 40%O, 60%M	0.587
124.00	GHOCM, 20%M, 40%O, 40%G	1.739
124.00	GMCO, 5%G, 40%M, 55%O	1.739
0.00	248' of G.I.P.	0.000

Total Length: 310.00 ft

Total Volume: 4.065 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

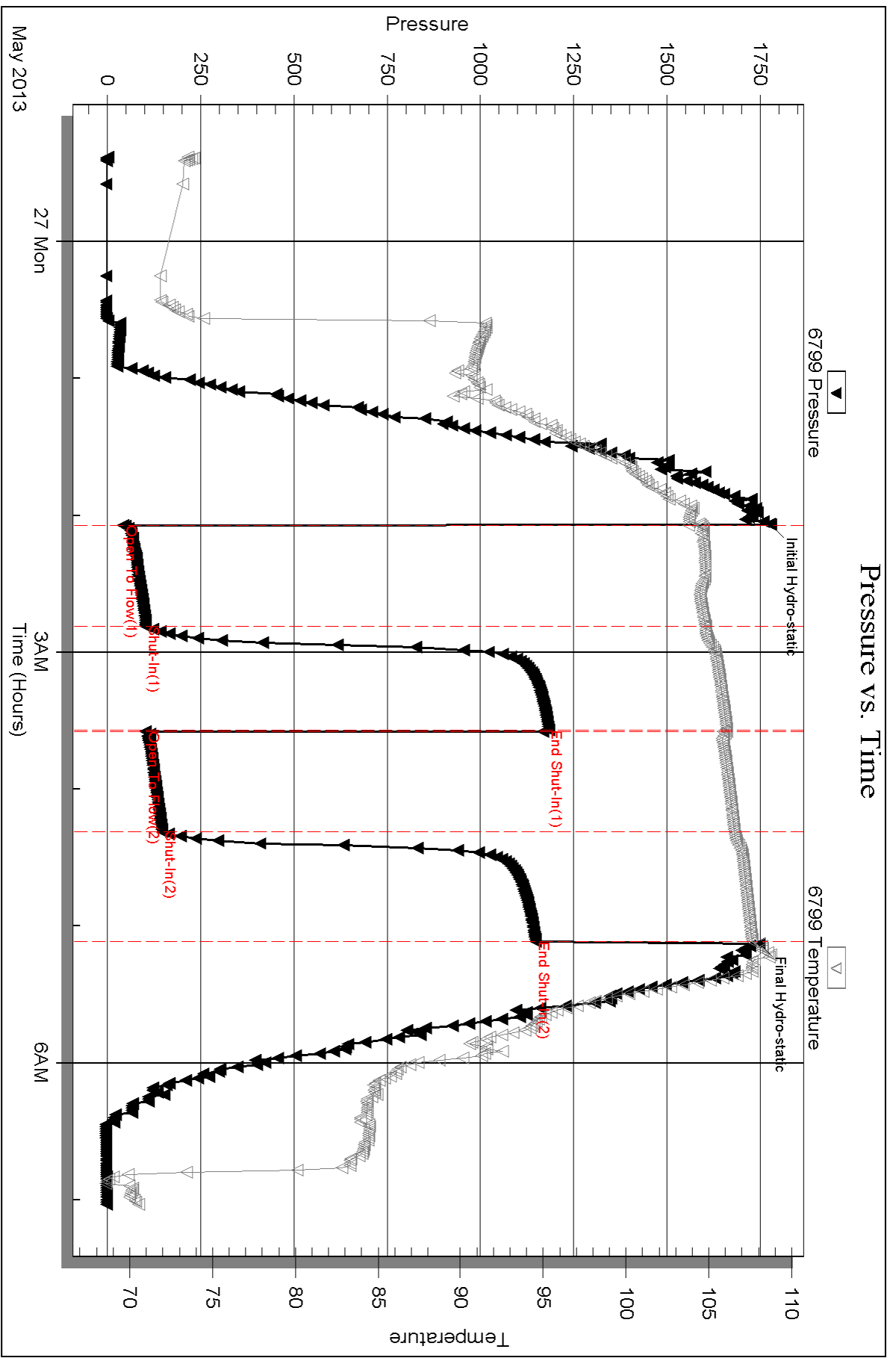
Serial #: 6799

Inside

Downing Nelson Oil Co Inc

Georgine Staab #1-19

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 52199

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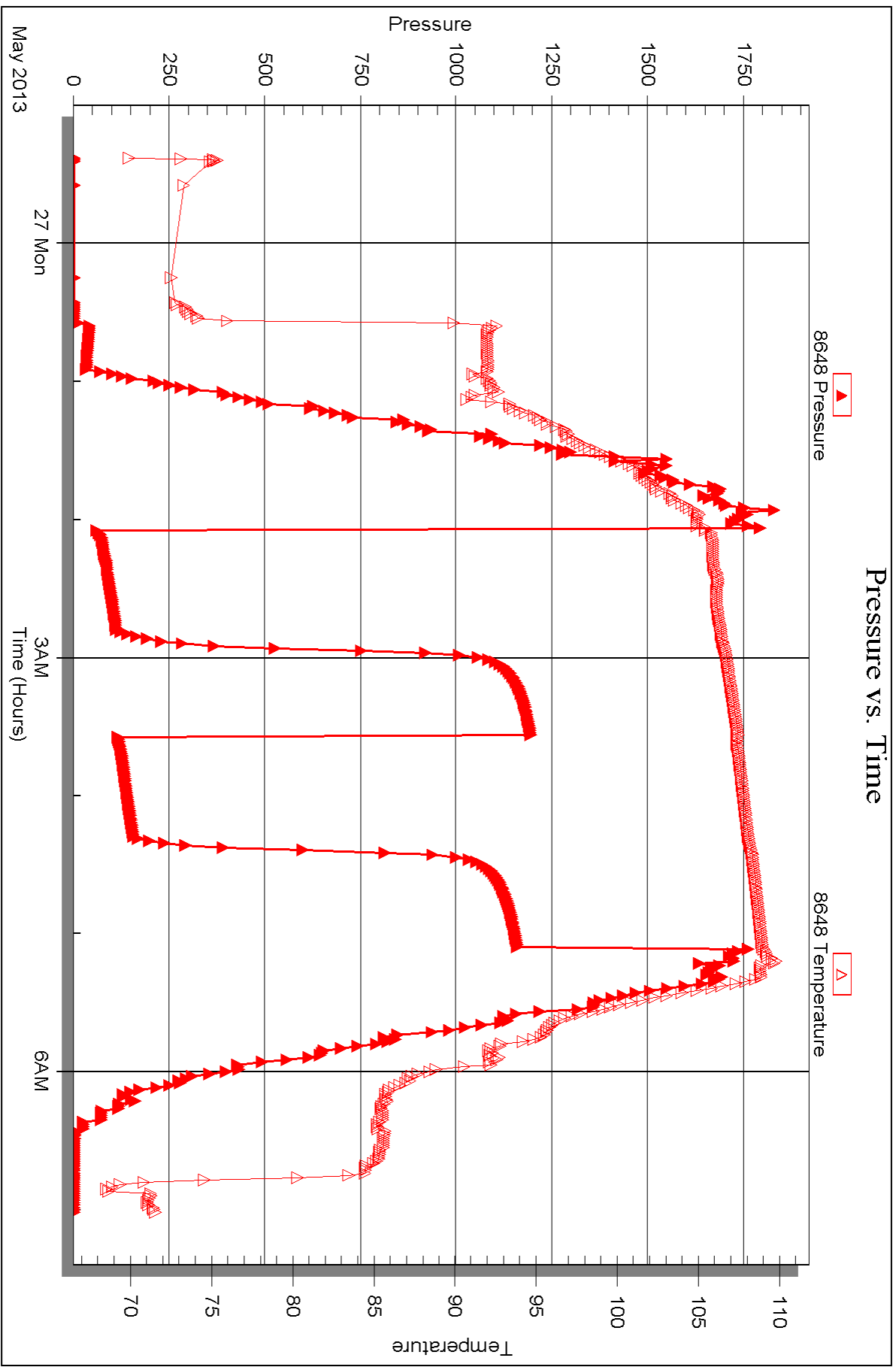
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Inside

Downing Nelson Oil Co Inc

Georgine Staab #1-19

DST Test Number: 1





DRILL STEM TEST REPORT

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

PO Box 1019
Hays KS 67601

ATTN: Marc Downing

Georgine Staab #1-19

19-14s-18w Ellis KS

Start Date: 2013.05.27 @ 13:34:00

End Date: 2013.05.27 @ 19:51:45

Job Ticket #: 52200 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.05.31 @ 11:12:53



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Downing Nelson Oil Co Inc

19-14s-18w Ellis KS

PO Box 1019
Hays KS 67601

Georgine Staab #1-19

Job Ticket: 52200

DST#: 2

ATTN: Marc Downing

Test Start: 2013.05.27 @ 13:34:00

GENERAL INFORMATION:

Formation: **Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:31:45

Time Test Ended: 19:51:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 43

Interval: 3610.00 ft (KB) To 3633.00 ft (KB) (TVD)

Reference Elevations: 2105.00 ft (KB)

Total Depth: 3633.00 ft (KB) (TVD)

2097.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6799 Inside

Press @ Run Depth: 15.83 psig @ 3615.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.27 End Date: 2013.05.27

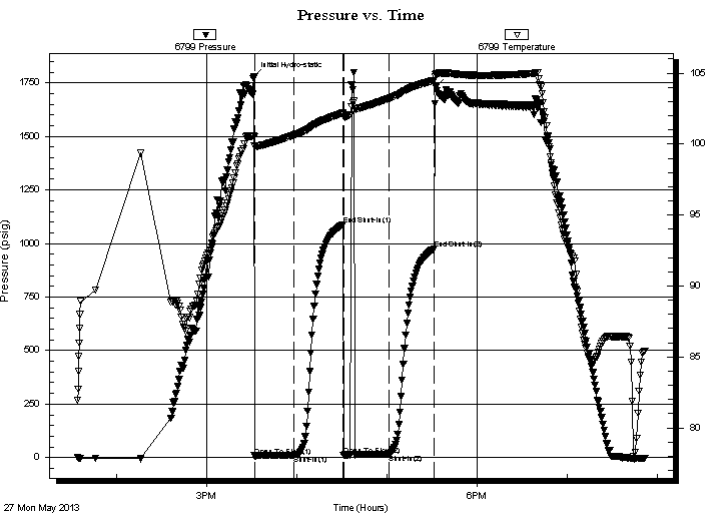
Last Calib.: 2013.05.27

Start Time: 13:34:05 End Time: 19:51:44

Time On Btm: 2013.05.27 @ 15:31:30

Time Off Btm: 2013.05.27 @ 17:32:15

TEST COMMENT: 30 - IF- Surface blow , died in 18 min.
30 - IS- No return
30 - FF- No blow for 5 minutes, flushed tool, surged and died
30 - FS- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1777.64	100.51	Initial Hydro-static
1	8.06	99.86	Open To Flow (1)
27	11.81	100.63	Shut-In(1)
59	1087.04	102.19	End Shut-In(1)
60	12.30	101.92	Open To Flow (2)
90	15.83	103.21	Shut-In(2)
120	975.86	104.49	End Shut-In(2)
121	1732.57	104.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud w / show of oil 100%M	0.07

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Downing Nelson Oil Co Inc

19-14s-18w Ellis KS

PO Box 1019
Hays KS 67601

Georgine Staab #1-19

Job Ticket: 52200

DST#: 2

ATTN: Marc Downing

Test Start: 2013.05.27 @ 13:34:00

Tool Information

Drill Pipe:	Length: 3568.00 ft	Diameter: 3.80 inches	Volume: 50.05 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 54000.00 lb
			<u>Total Volume: 50.20 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3610.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	44.00 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			3590.00	
Shut In Tool	5.00			3595.00	
Hydraulic tool	5.00			3600.00	
Packer	5.00			3605.00	21.00 Bottom Of Top Packer
Packer	5.00			3610.00	
Stubb	1.00			3611.00	
Perforations	4.00			3615.00	
Recorder	0.00	6799	Inside	3615.00	
Recorder	0.00	8648	Inside	3615.00	
Perforations	15.00			3630.00	
Bullnose	3.00			3633.00	23.00 Bottom Packers & Anchor

Total Tool Length: 44.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing Nelson Oil Co Inc

19-14s-18w Ellis KS

PO Box 1019
Hays KS 67601

Georgine Staab #1-19

Job Ticket: 52200

DST#: 2

ATTN: Marc Downing

Test Start: 2013.05.27 @ 13:34:00

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud w / show of oil 100%M	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

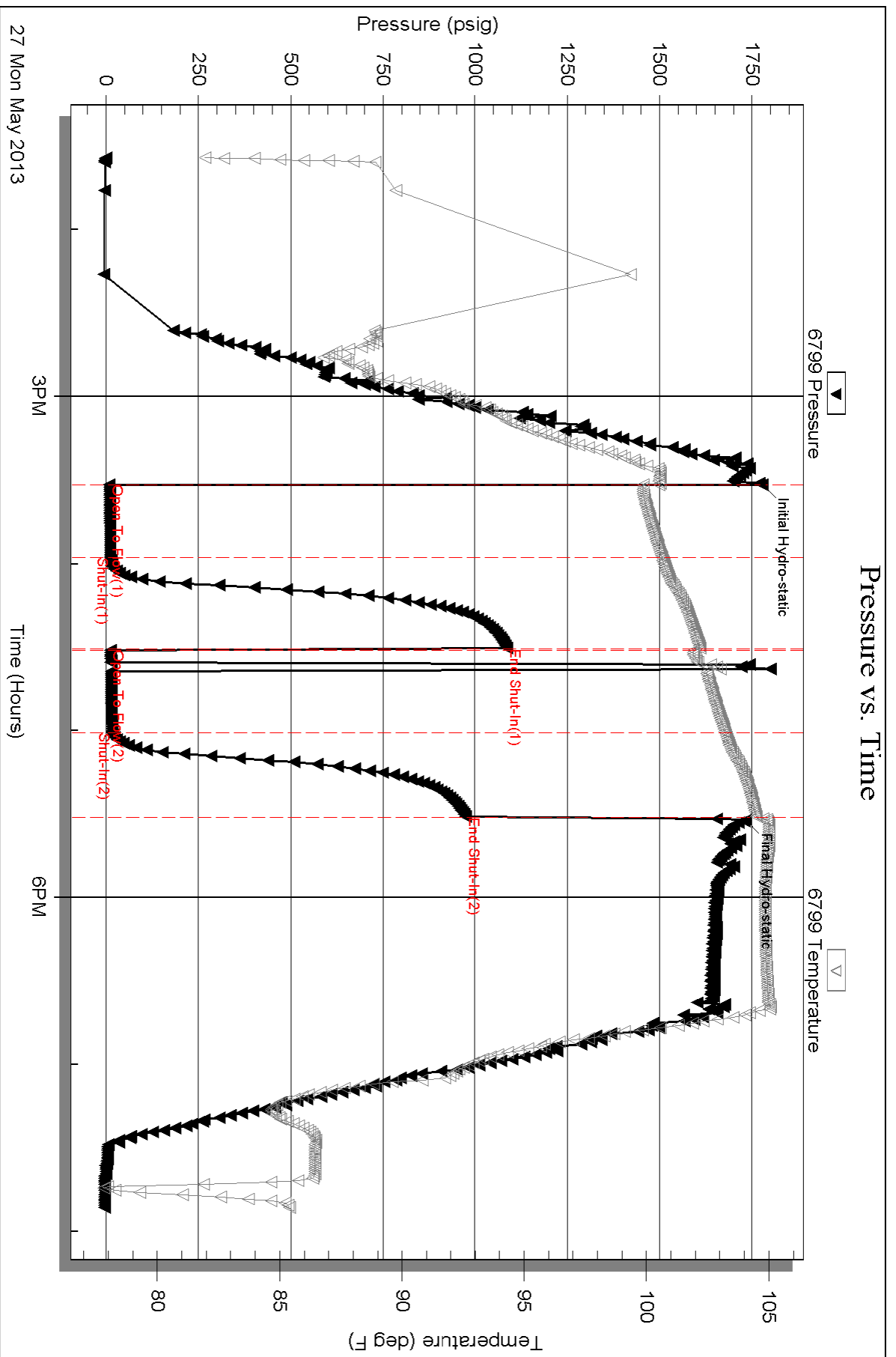
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



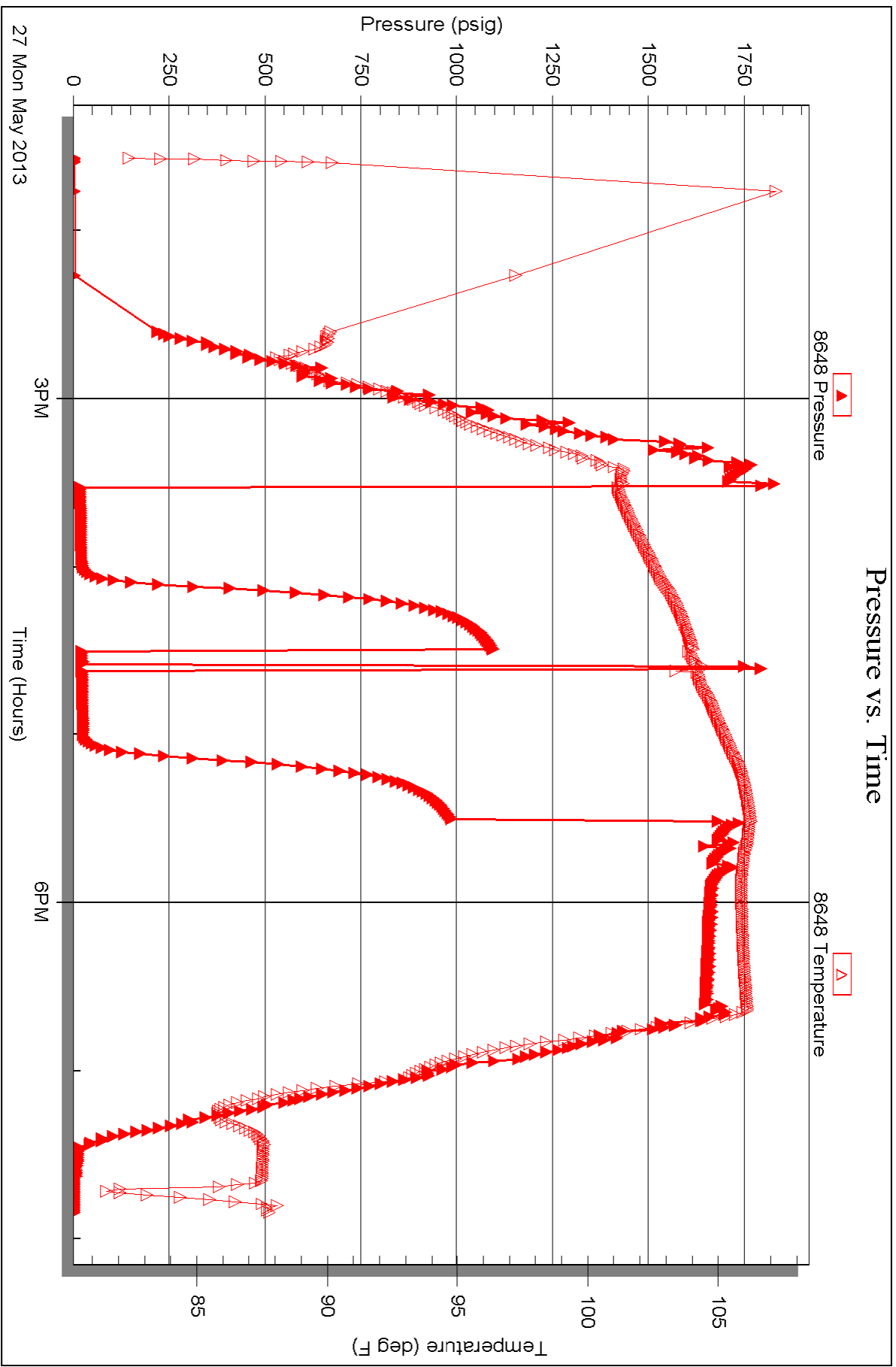
Serial #: 8648

Inside

Downing Nelson Oil Co Inc

Georgine Staab #1-19

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52199

Well Name & No. Georgine Staab #1-19 Test No. 1 Date 5-26-13
 Company Downing - Nelson Oil Co Inc Elevation 2105 KB 2097 GL
 Address Po Box 1019, Hays KS, 67601
 Co. Rep / Geo. Marc Downing Rig Discovery #4
 Location: Sec. 19 Twp. 14S Rge. 18W Co. Ellis State KS

Interval Tested 3538-3614 Zone Tested "H-J"
 Anchor Length 76' Drill Pipe Run 3507' Mud Wt. 9.0
 Top Packer Depth 3533 Drill Collars Run 31' Vis 60
 Bottom Packer Depth 3538 Wt. Pipe Run — WL 8.0
 Total Depth 3614 Chlorides 4,000 ppm System LCM —
 Blow Description #F- B.O.B. in 13 minutes
ISI- Surface return
FF- B.O.B. in 4 minutes
FSI- 5" return

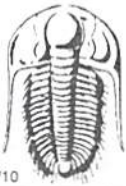
Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>HOCM</u>	<u>40</u>	<u>40</u>	<u>60</u>	<u>—</u>
<u>124</u>	<u>GHOCM</u>	<u>40</u>	<u>40</u>	<u>20</u>	<u>—</u>
<u>124</u>	<u>GMCO</u>	<u>5</u>	<u>55</u>	<u>40</u>	<u>—</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>248' of G.I.P.</u>	%gas	%oil	%water	%mud

Rec Total 310' BHT 107° Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic <u>1777</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>9:58pm</u>
(B) First Initial Flow <u>42</u>	<input type="checkbox"/> Jars	T-Started <u>11:23pm</u>
(C) First Final Flow <u>102</u>	<input type="checkbox"/> Safety Joint	T-Open <u>2:05am</u>
(D) Initial Shut-In <u>1184</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>5:05am</u>
(E) Second Initial Flow <u>102</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>7:03am</u>
(F) Second Final Flow <u>147</u>	<input checked="" type="checkbox"/> Mileage <u>22 RT</u> 34.10	Comments
(G) Final Shut-In <u>1148</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1748</u>	<input type="checkbox"/> Straddle	
Initial Open <u>45</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
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>1184.10</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1184.10</u>	

Approved By _____ Our Representative Cody B...

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. 52200

Well Name & No. Georgine Staab #1-19 Test No. 2 Date 5-27-13
 Company Downing-Nelson Oil Co Inc Elevation 2105 KB 2097 GL
 Address Po Box 1019, Hays KS, 67601
 Co. Rep / Geo. Marc Downing Rig Discovery #4
 Location: Sec. 19 Twp. 14s Rge. 18w Co. Ellis State KS

Interval Tested 3610 - 3633 Zone Tested Sand
 Anchor Length 23' Drill Pipe Run 3568 Mud Wt. 9.0
 Top Packer Depth 3605 Drill Collars Run 31' Vis 60
 Bottom Packer Depth 3610 Wt. Pipe Run - WL 8.0
 Total Depth 3633 Chlorides 4,000 ppm System LCM -

Blow Description IF - Surface blow, died in 18 minutes
ISI - No return
FF - No blow for 5 min. flushed tool, surged & died
FSI - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>Mud, show of oil</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 Total 15' BHT 104° Gravity - API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic 1777 Test 1150 T-On Location 1:18 pm
 (B) First Initial Flow 8 Jars _____ T-Started 1:34 pm
 (C) First Final Flow 11 Safety Joint _____ T-Open 3:31 pm
 (D) Initial Shut-In 1087 Circ Sub _____ T-Pulled 5:31 pm
 (E) Second Initial Flow 12 Hourly Standby 1.5 hours T-Out 7:51 pm
 (F) Second Final Flow 15 Mileage 22 RT X2 ^{68.20} Comments Rig wouldnt start. Had to fix it.
 (G) Final Shut-In 975 Sampler _____ Done 5-28-13 loaded
 (H) Final Hydrostatic 1732 Straddle _____ 8:30 am
 Shale Packer _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30
 Sub Total 1218.20
 Total 1218.20
 MP/DST Disc't _____

Approved By _____ Our Representative Cody B...

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Marc Downing
 Consulting Petroleum Geologist
 1411 Washington Circle
 Hays, KS 67601
 Phone: 620-428-1356 (cell) 785-621-2286

GEOLOGIC REPORT LOG

COMPANY: Downing-Nelson Oil Co., Inc.
 WELL: Georgine Stack #1-19
 FIELD: Wildcat

LOCATION: 2005' FSL & 2280' FSL
 SEC. 19 TWP. 14S RGE. 18W
 COUNTY: Ellis
 STATE: Kansas

PRODUCTION: LHC
 ELEVATION: KB 2112
 DF: 2104
 GL: 2104

OPERATOR: Direct
 CONTRACTOR: Dissaway Drilling & Rig #4
 COM: 5-22-13
 CASING RECORD: 5-28-13
 SURF: 498 @ 637 PROD: 6 1/2 @ 3824
 TOTAL DEPTH DRILLERS: 3534
 TOTAL DEPTH LOG: 3534

FORMATION TOPS AND STRUCTURAL POSITION
 SAMPLE TOP DATE TIME STRUCTURAL POSITION
 Top Anhydrite 1360 1360 4752 -10
 Base Anhydrite 1461 1461 4711 NA
 Tapoka 3126 3126 -1615 NA
 Tawanda 3381 3381 -1290 T#
 LHC 3399 3399 -1320 T#
 Ark 3458 3458 -1391 T#
 Archaic 3774 3774 -1462 NA

REFERENCE WELL FOR STRUCTURE: Lebon Drilling Sec. 19-14S-18W
 Pole #1 NGL-NGL-SE

DRILL STEM TESTS

No.	Interval	IFP/Time	ISP/Time	FFP/Time	SSP/Time	HP-RIIP	RECOVERY

REMARKS AND RECOMMENDATIONS:
 Refer to "D" zone before abandonment.

LEGEND

