

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

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 EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs 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 of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top _____ Bottom _____
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	DECHANT TRUST 1-6
Doc ID	1375233

All Electric Logs Run

Sonic
Micro
Dual Induction
Compensated Denity Neutron

Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	DECHANT TRUST 1-6
Doc ID	1375233

Tops

Name	Top	Datum
Top Anhydrite	1222'	+808
Base Anhydrite	1258'	+772
Topeka	3004'	-974
Heebner	3263'	-1233
Toronto	3283'	-1253
LKC	3307'	-1277
BKC	3549'	-1519
Arbuckle	3616'	-1586

JOB LOG

SWIFT Services, Inc.

DATE	PAGE NO.
10/31/17	1
TICKET NO. 30536	

CUSTOMER	WELL NO.	LEASE	JOB TYPE
Downing & Nelson	1-30	Dechant Trust	Cmnt Surface

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0615							On location w/ 325 sls std 20% gel, 30% CC
								Rig Circulating on bottom TOH
	0730							Run Wiper, Circulate on bottom TOH
	0830							Rig Running Surface Casing 8 5/8" x 23#
	0920							Hook up to Circulate
	0935							Hook up to Swift
	0945	3	5					Start H ₂ O ahead
	0950	4					300	Fin H ₂ O, Start Cmt
	1010	4 1/2	79				150	Fin Cmt, start Displacement
		4 1/2	37 1/2				300 300	Fin Displacement
	1010							Cmnt Circulating
	1020						300	Shut in, Release Truck
								Wash up, Rack up
	1035							Job Complete
								Thanks, Jon, Austin, Kirby

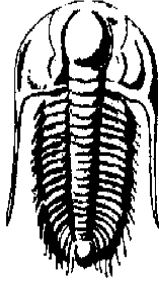
JOB LOG

SWIFT Services, Inc.

DATE 11-8-17 PAGE NO. ~~30822~~

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
Downing-Nelson		1-6		Dechant trust		2 stage 1.s.		30864	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	1230							On location	
								CSG 5 1/2 x 15.5 # Rtd. 3725 Set @ 3718.78 Shoe - 42.60 Baffle @ 3676.18 D.V. TOOL - 59 @ 1196.12 Centralizers: 1,3,5,7,9,11,58 Bstt - 59	
	315							Start running CSG	
	530							break circ on Bottom	
	600	5	12			250		pump multiflush - 500 gal	
		5	20			250		pump RCL spacer	
	610							pump cmt - EA-2 @ 15.5 ppg	
	620							Drop plug - wash pit	
		6.5	0			100		Start Disp	
	645	5	87.5			900		land plug - lift psi - 900 land psi - 1600	
								Release psi - Dry	
	650							Drop D.V. opening Bomb	
	650	2	16			0		plug rat hole - 30 sks cmt	
	655	2	8			0		plug mouse hole - 15 sks cmt	
	705					1500		Open D.V. tool - 1500 psi	
		6	00			300		start cmt - 120 sks Smd @ 11.2 ppg	
		6	65			300		Raise weight to 14 ppg	
		5	70			150		End cmt	
								Drop plug	
	725	5	0			0		Start Disp	
	730	5	28.5			500		land plug - lift psi - 500 land psi - 1500	
								Release psi - Dry	
								Dis Not Circ Cmt to Surface	

Thanks David, Zach & Kirby



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

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

PO Box 1019
Hays KS 67601

ATTN: Marc Downing

Dechant Trust #1

6-15s-18w Ellis,KS

Start Date: 2017.11.04 @ 06:20:13

End Date: 2017.11.04 @ 11:40:22

Job Ticket #: 63094 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.11.07 @ 08:27:53

Downing-Nelson Oil Co Inc
6-15s-18w Ellis,KS
Dechant Trust #1
DST # 1
LKC "A"
2017.11.04



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc

6-15s-18w Ellis,KS

PO Box 1019
Hays KS 67601

Dechant Trust #1

ATTN: Marc Dow ning

Job Ticket: 63094

DST#: 1

Test Start: 2017.11.04 @ 06:20:13

GENERAL INFORMATION:

Formation: **LKC "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:19:53

Time Test Ended: 11:40:22

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schw ager

Unit No: 77

Interval: 3292.00 ft (KB) To 3324.00 ft (KB) (TVD)

Reference Elevations: 2030.00 ft (KB)

Total Depth: 3324.00 ft (KB) (TVD)

2022.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8360

Inside

Press@RunDepth: 31.89 psig @ 3296.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.11.04

End Date:

2017.11.04

Last Calib.: 2017.11.04

Start Time:

06:20:13

End Time:

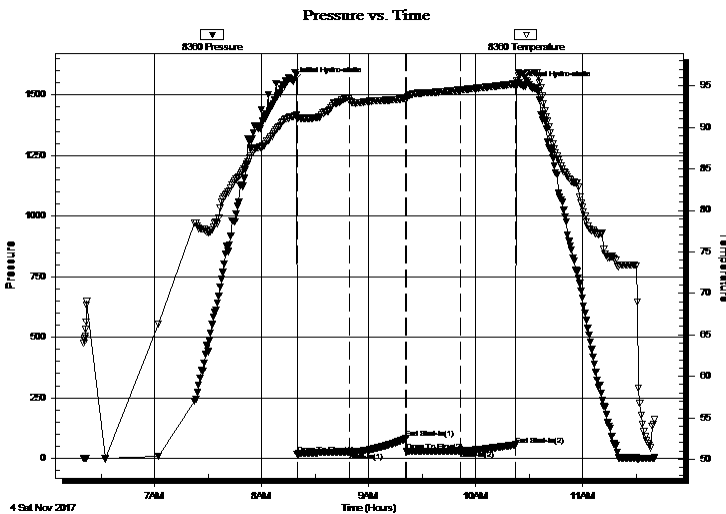
11:40:22

Time On Btm: 2017.11.04 @ 08:17:53

Time Off Btm: 2017.11.04 @ 10:26:38

TEST COMMENT: 30-IFP- surface bl thru-out
30-ISIP-no bl bk
30-FFP-w k bl thru-out 1/2" bl
30-FSIP-no bl bk

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1555.28	91.29	Initial Hydro-static
2	17.82	91.09	Open To Flow (1)
32	26.12	93.18	Shut-In(1)
63	82.56	93.47	End Shut-In(1)
64	29.56	93.47	Open To Flow (2)
94	31.89	94.51	Shut-In(2)
125	55.97	95.24	End Shut-In(2)
129	1536.50	96.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud w / show of oil	0.10

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

6-15s-18w Ellis,KS

PO Box 1019
Hays KS 67601

Dechant Trust #1

Job Ticket: 63094

DST#: 1

ATTN: Marc Dow ning

Test Start: 2017.11.04 @ 06:20:13

Tool Information

Drill Pipe:	Length: 3263.00 ft	Diameter: 3.80 inches	Volume: 45.77 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume: 45.92 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	51000.00 lb
Depth to Top Packer:	3292.00 ft			Final	51000.00 lb
Depth to Bottom Packer:	ft				
Interval betw een Packers:	32.00 ft				
Tool Length:	53.00 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			3272.00	
Shut In Tool	5.00			3277.00	
Hydraulic tool	5.00			3282.00	
Packer	5.00			3287.00	21.00 Bottom Of Top Packer
Packer	5.00			3292.00	
Stubb	1.00			3293.00	
Perforations	3.00			3296.00	
Recorder	0.00	8360	Inside	3296.00	
Recorder	0.00	8673	Outside	3296.00	
Perforations	25.00			3321.00	
Bullnose	3.00			3324.00	32.00 Bottom Packers & Anchor

Total Tool Length: 53.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil Co Inc

6-15s-18w Ellis,KS

PO Box 1019
Hays KS 67601

Dechant Trust #1

Job Ticket: 63094

DST#: 1

ATTN: Marc Dow ning

Test Start: 2017.11.04 @ 06:20:13

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.34 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
20.00	Mud w / show of oil	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

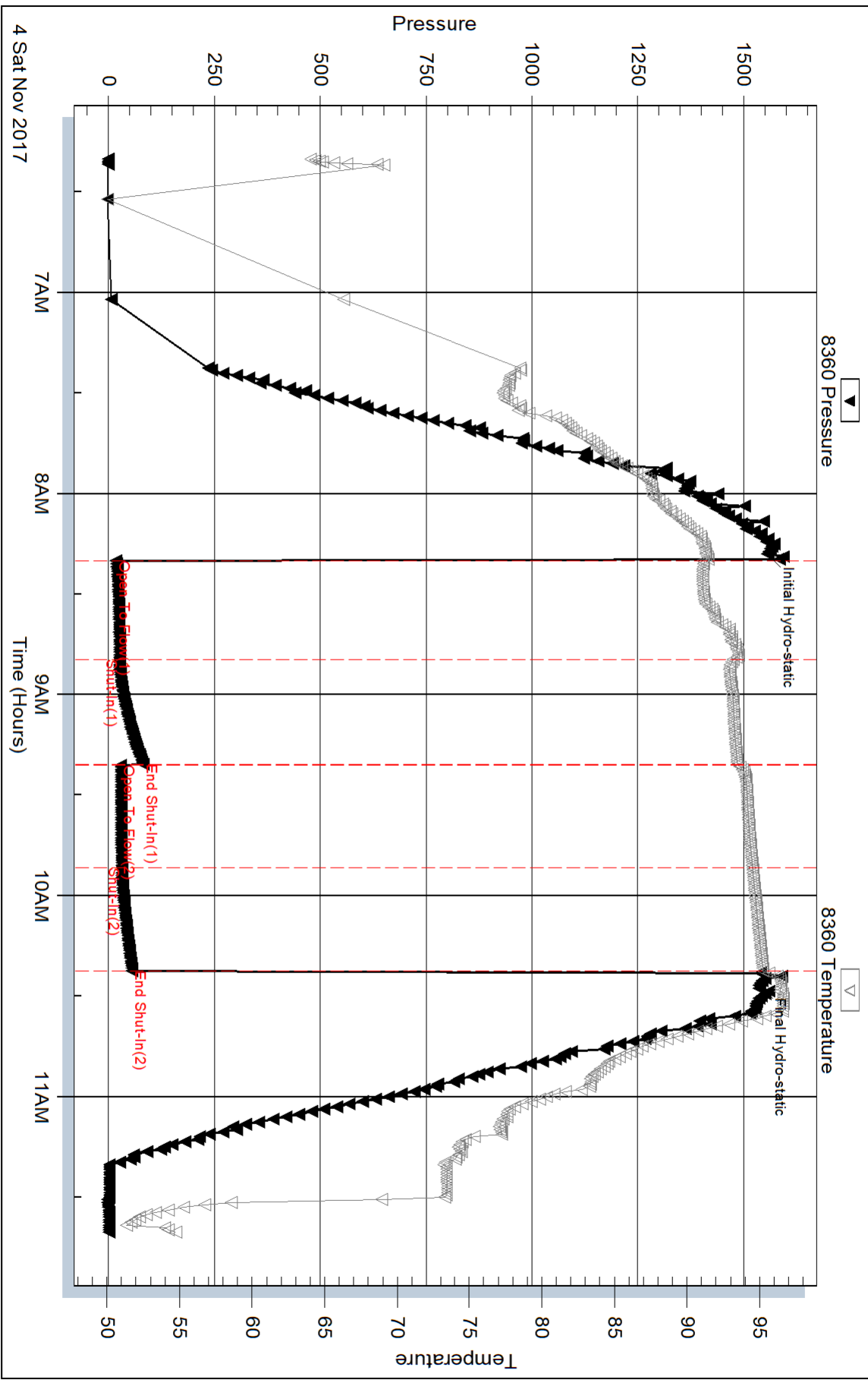
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

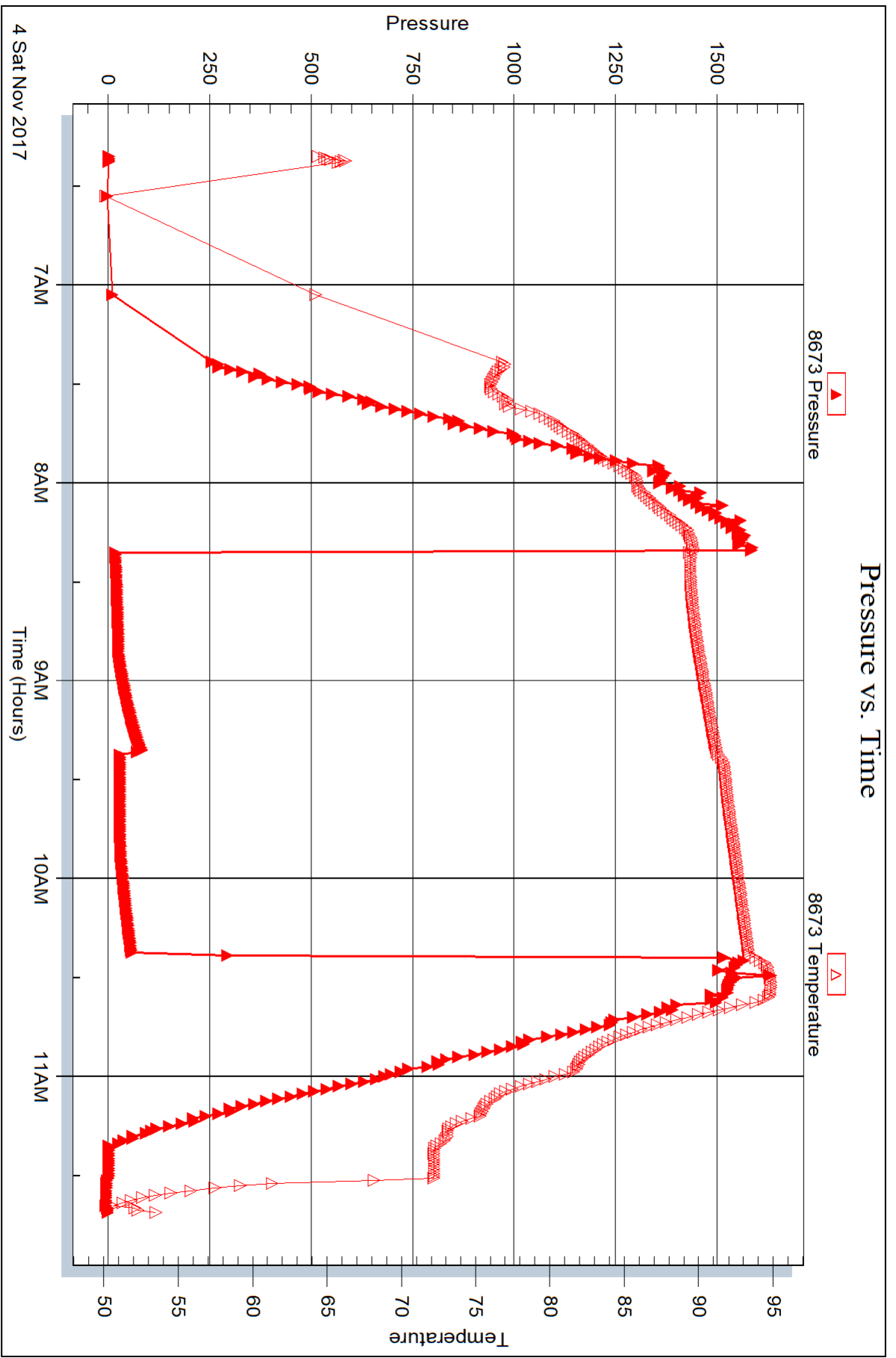


Serial #: 8673

Outside Dow nmg-Nelson Oil Co Inc

Dechant Trust #1

DST Test Number: 1





DRILL STEM TEST REPORT

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

PO Box 1019
Hays KS 67601

ATTN: Marc Downing

Dechant Trust #1

6-15s-18w Ellis,KS

Start Date: 2017.11.04 @ 18:20:57

End Date: 2017.11.05 @ 00:30:36

Job Ticket #: 63095 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.11.07 @ 08:27:26



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc

6-15s-18w Ellis,KS

PO Box 1019
Hays KS 67601

Dechant Trust #1

Job Ticket: 63095

DST#: 2

ATTN: Marc Dow ning

Test Start: 2017.11.04 @ 18:20:57

GENERAL INFORMATION:

Formation: **LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:09:22

Time Test Ended: 00:30:36

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schw ager

Unit No: 77

Interval: 3321.00 ft (KB) To 3348.00 ft (KB) (TVD)

Reference Elevations: 2030.00 ft (KB)

Total Depth: 3348.00 ft (KB) (TVD)

2022.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8360

Inside

Press@RunDepth: 88.92 psig @ 3322.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.11.04

End Date:

2017.11.05

Last Calib.: 2017.11.04

Start Time: 18:20:57

End Time:

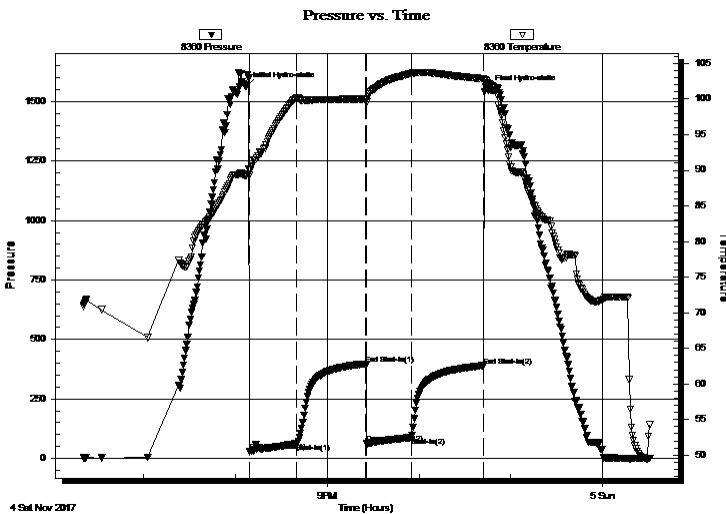
00:30:36

Time On Btm: 2017.11.04 @ 20:07:22

Time Off Btm: 2017.11.04 @ 22:45:06

TEST COMMENT: 30-IFP-BOB in 8 min
45-ISIP-surface bl bk
30-FFP-BOB in 7 min
45-FSIP-3/4" bl bk

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1562.80	89.29	Initial Hydro-static
2	29.08	89.29	Open To Flow (1)
33	61.36	100.05	Shut-In(1)
78	397.51	100.00	End Shut-In(1)
79	63.61	100.00	Open To Flow (2)
108	88.92	103.60	Shut-In(2)
155	389.45	102.87	End Shut-In(2)
158	1548.68	102.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	SOCMW 2%O10%M88%W	0.60
62.00	O&GCWM 15%G10%O35%W40%M	0.87
35.00	HO&GCM 15%G30%O55%M	0.49
0.00	530' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dow ning-Nelson Oil Co Inc

6-15s-18w Ellis,KS

PO Box 1019
Hays KS 67601

Dechant Trust #1

Job Ticket: 63095

DST#: 2

ATTN: Marc Dow ning

Test Start: 2017.11.04 @ 18:20:57

Tool Information

Drill Pipe:	Length: 3290.00 ft	Diameter: 3.80 inches	Volume: 46.15 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 46.30 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3321.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	27.00 ft			
Tool Length:	48.00 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			3301.00	
Shut In Tool	5.00			3306.00	
Hydraulic tool	5.00			3311.00	
Packer	5.00			3316.00	21.00 Bottom Of Top Packer
Packer	5.00			3321.00	
Stubb	1.00			3322.00	
Recorder	0.00	8360	Inside	3322.00	
Recorder	0.00	8673	Outside	3322.00	
Perforations	23.00			3345.00	
Bullnose	3.00			3348.00	27.00 Bottom Packers & Anchor
Total Tool Length:	48.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil Co Inc

6-15s-18w Ellis,KS

PO Box 1019
Hays KS 67601

Dechant Trust #1

Job Ticket: 63095

DST#: 2

ATTN: Marc Dow ning

Test Start: 2017.11.04 @ 18:20:57

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:

75000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.12 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	SOCMW 2%O10%M88%W	0.596
62.00	O&GCWM 15%G10%O35%W40%M	0.870
35.00	HO&GCM 15%G30%O55%M	0.491
0.00	530' GIP	0.000

Total Length: 159.00 ft

Total Volume: 1.957 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

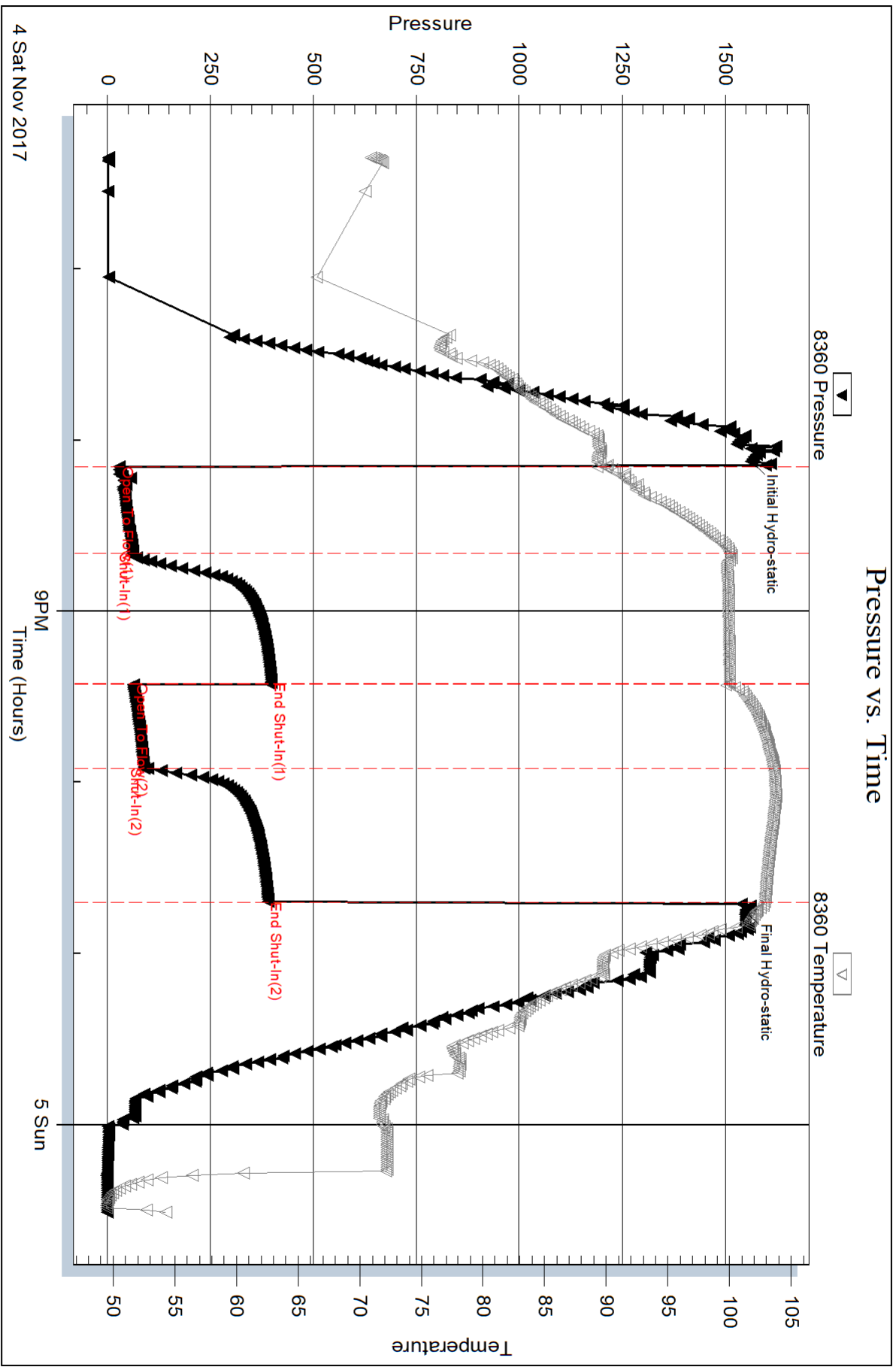
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .1@70F

Pressure vs. Time



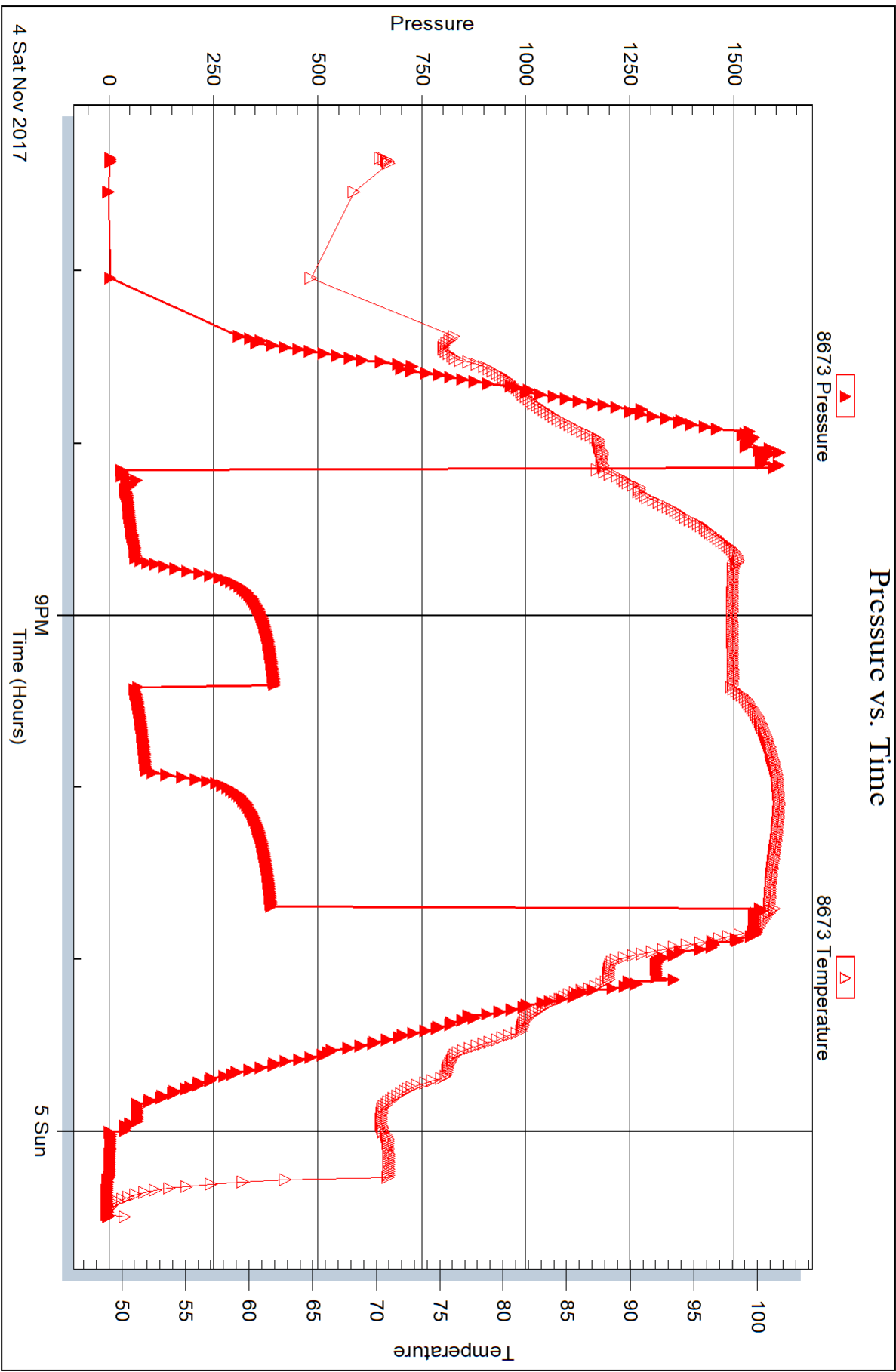
Serial #: 8673

Outside

Dow nting-Nelson Oil Co Inc

Dechant Trust #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 63095

Printed: 2017.11.07 @ 08:27:27



DRILL STEM TEST REPORT

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

PO Box 1019
Hays KS 67601

ATTN: Marc Downing

Dechant Trust #1

6-15s-18w Ellis,KS

Start Date: 2017.11.05 @ 05:55:49

End Date: 2017.11.05 @ 11:35:28

Job Ticket #: 63096 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.11.07 @ 08:26:43



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc

6-15s-18w Ellis,KS

PO Box 1019
Hays KS 67601

Dechant Trust #1

ATTN: Marc Dow ning

Job Ticket: 63096

DST#: 3

Test Start: 2017.11.05 @ 05:55:49

GENERAL INFORMATION:

Formation: **LKC "D"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:03:29
 Time Test Ended: 11:35:28
 Interval: **3346.00 ft (KB) To 3370.00 ft (KB) (TVD)**
 Total Depth: 3370.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ray Schw ager
 Unit No: 77
 Reference Elevations: 2030.00 ft (KB)
 2022.00 ft (CF)
 KB to GR/CF: 8.00 ft

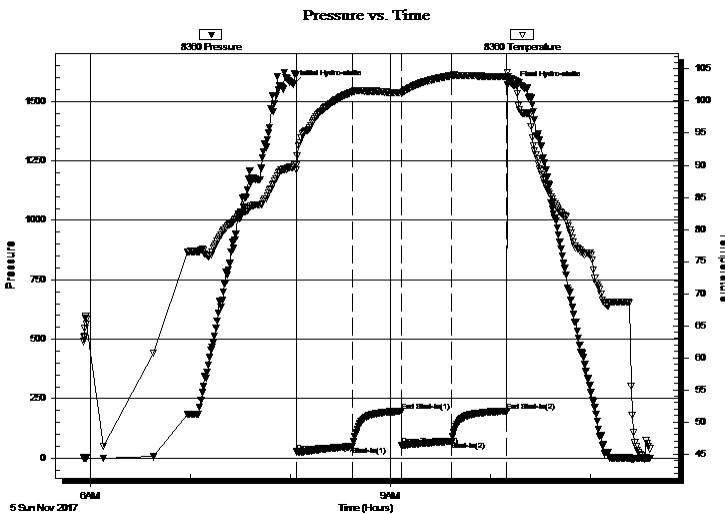
Serial #: 8360

Inside

Press@RunDepth: 71.30 psig @ 3347.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.11.05 End Date: 2017.11.05 Last Calib.: 2017.11.05
 Start Time: 05:55:49 End Time: 11:35:28 Time On Btm: 2017.11.05 @ 08:01:29
 Time Off Btm: 2017.11.05 @ 10:13:28

TEST COMMENT: 30-IFP-BOB in 4 min
 30-ISIP-no bl bk
 30-FFP-w k to BOB in 20 min
 30-FSIP-no bl bk

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1572.73	89.72	Initial Hydro-static
2	25.88	89.29	Open To Flow (1)
36	49.23	101.42	Shut-In(1)
65	197.30	101.30	End Shut-In(1)
65	51.88	101.24	Open To Flow (2)
95	71.30	103.95	Shut-In(2)
129	197.21	103.80	End Shut-In(2)
132	1568.78	103.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	MW 10%M90%W	0.99
25.00	SOCMW 2%O30%M68%W	0.35
0.00	250' 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

6-15s-18w Ellis,KS

PO Box 1019
Hays KS 67601

Dechant Trust #1

Job Ticket: 63096

DST#: 3

ATTN: Marc Dow ning

Test Start: 2017.11.05 @ 05:55:49

Tool Information

Drill Pipe:	Length: 3326.00 ft	Diameter: 3.80 inches	Volume: 46.66 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 46.81 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	3346.00 ft			Final	51000.00 lb
Depth to Bottom Packer:	ft				
Interval betw een Packers:	24.00 ft				
Tool Length:	45.00 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			3326.00	
Shut In Tool	5.00			3331.00	
Hydraulic tool	5.00			3336.00	
Packer	5.00			3341.00	21.00 Bottom Of Top Packer
Packer	5.00			3346.00	
Stubb	1.00			3347.00	
Recorder	0.00	8360	Inside	3347.00	
Recorder	0.00	8673	Outside	3347.00	
Perforations	20.00			3367.00	
Bullnose	3.00			3370.00	24.00 Bottom Packers & Anchor
Total Tool Length:	45.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil Co Inc

6-15s-18w Ellis,KS

PO Box 1019
Hays KS 67601

Dechant Trust #1

Job Ticket: 63096

DST#: 3

ATTN: Marc Dow ning

Test Start: 2017.11.05 @ 05:55:49

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:

85000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.15 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
90.00	MW 10%M90%W	0.989
25.00	SOCMW 2%O30%M68%W	0.351
0.00	250' GIP	0.000

Total Length: 115.00 ft Total Volume: 1.340 bbl

Num Fluid Samples: 0

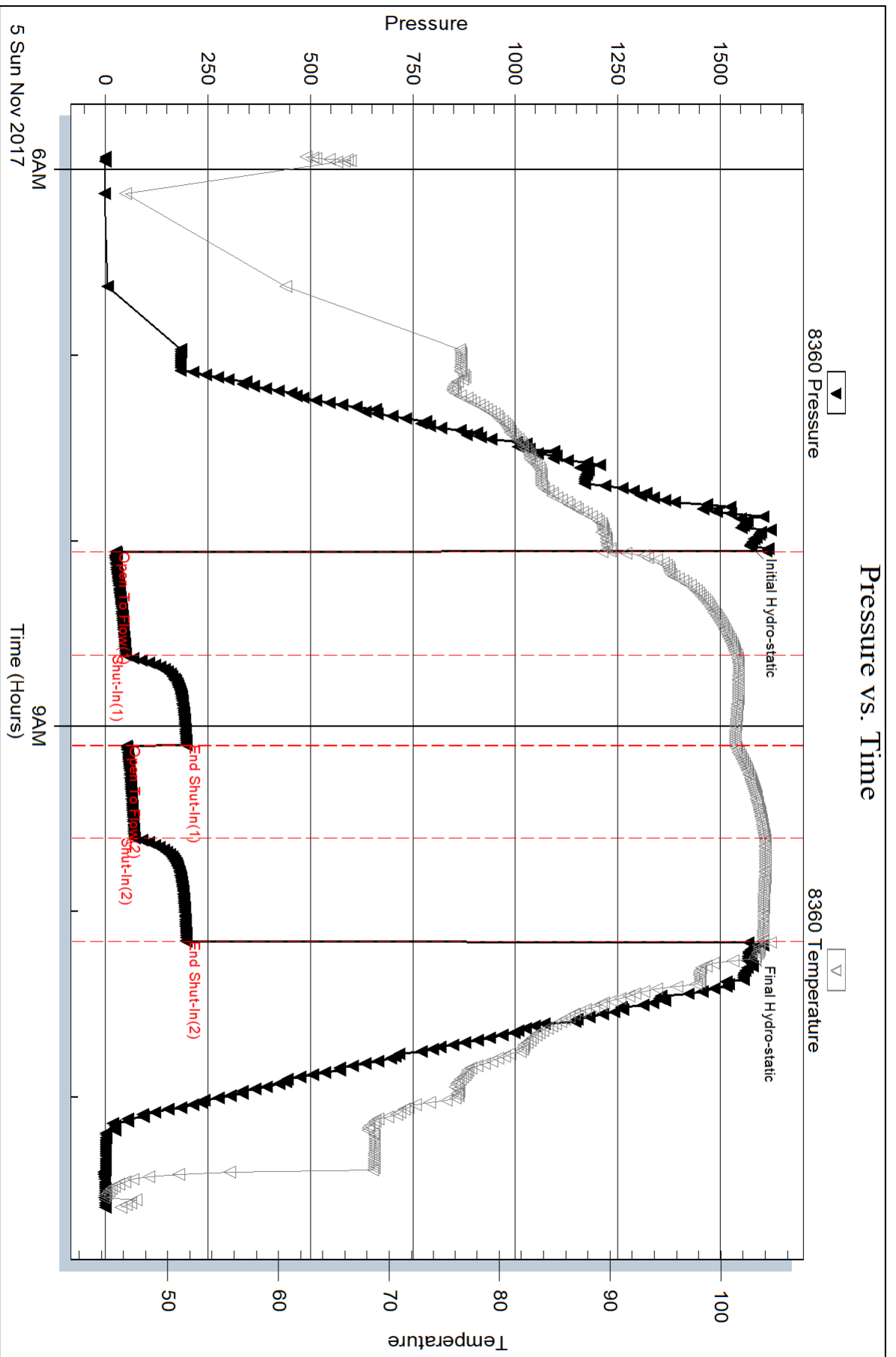
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .09@70F



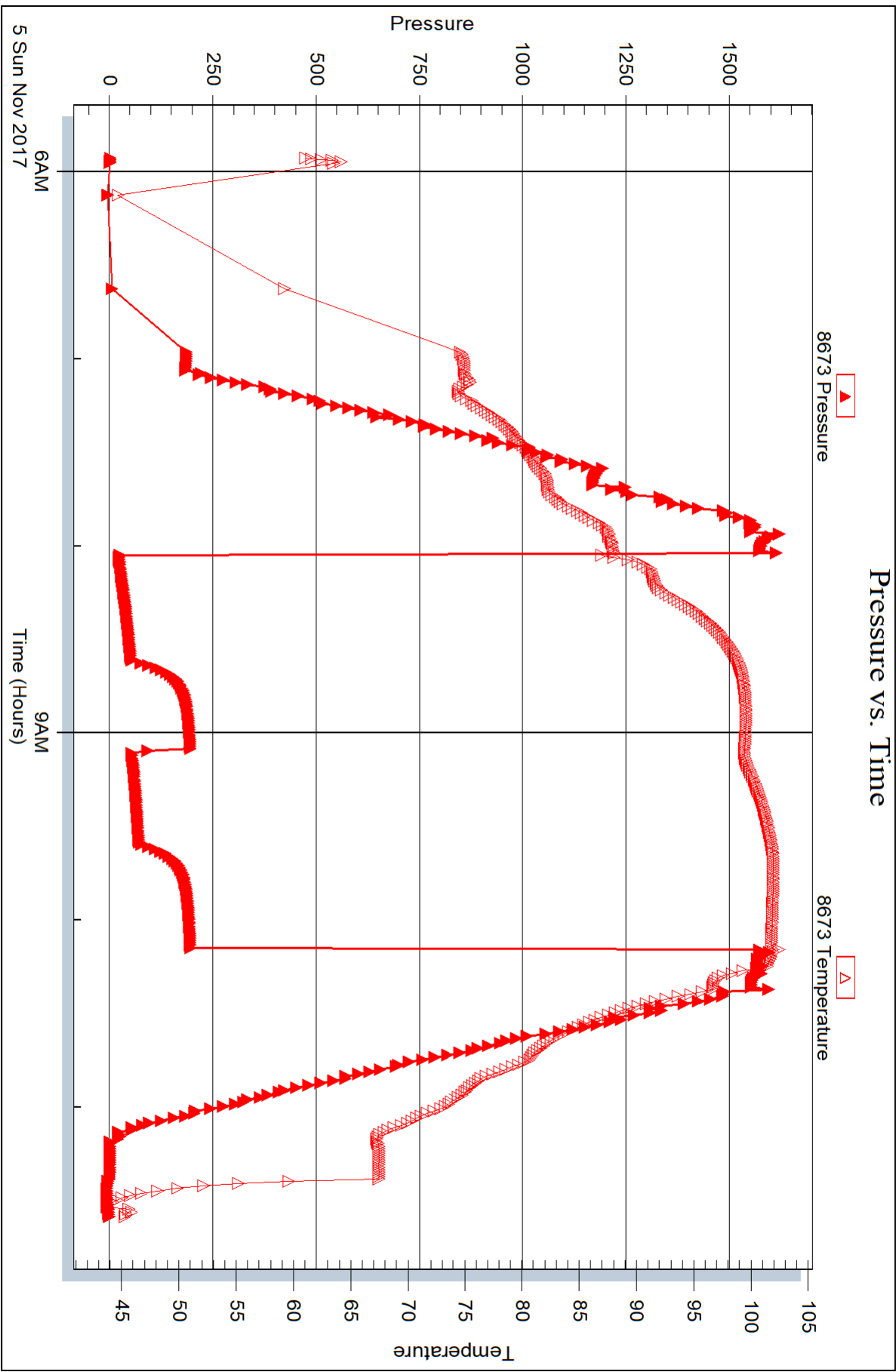
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Outside

Dow nlng-Nelson Oil Co Inc

Dechant Trust #1

DST Test Number: 3





DRILL STEM TEST REPORT

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

PO Box 1019
Hays KS 67601

ATTN: Marc Downing

Dechant Trust #1

6-15s-18w Ellis,KS

Start Date: 2017.11.06 @ 02:06:04

End Date: 2017.11.06 @ 07:12:43

Job Ticket #: 63098 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.11.07 @ 08:26:10



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc

6-15s-18w Ellis,KS

PO Box 1019
Hays KS 67601

Dechant Trust #1

Job Ticket: 63098

DST#: 4

ATTN: Marc Dow ning

Test Start: 2017.11.06 @ 02:06:04

GENERAL INFORMATION:

Formation: **LKC "H - J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:53:14

Time Test Ended: 07:12:43

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schw ager

Unit No: 77

Interval: 3437.00 ft (KB) To 3507.00 ft (KB) (TVD)

Reference Elevations: 2030.00 ft (KB)

Total Depth: 3507.00 ft (KB) (TVD)

2022.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8360

Inside

Press@RunDepth: 22.26 psig @ 3442.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.11.06

End Date:

2017.11.06

Last Calib.: 2017.11.06

Start Time: 02:06:04

End Time:

07:12:43

Time On Btm: 2017.11.06 @ 03:50:59

Time Off Btm: 2017.11.06 @ 05:57:29

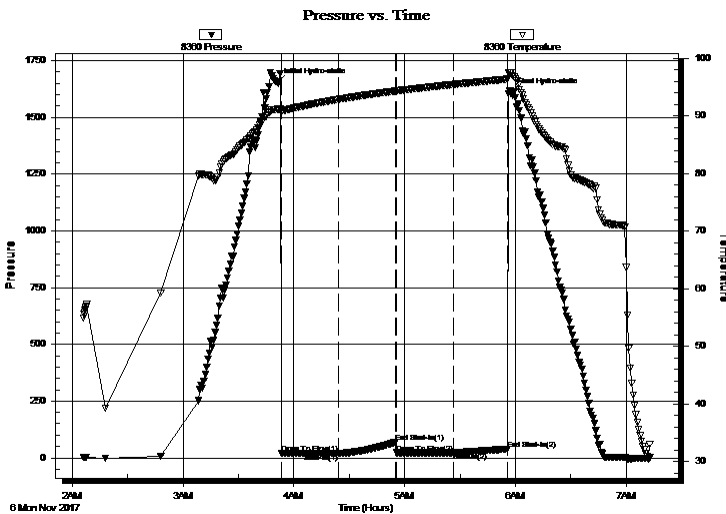
TEST COMMENT: 30-IFP-w k bl thru-out 1/4" bl

30-ISIP-no bl bk

30-FFP-no bl

30-FSIP-no bl bk

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1651.83	91.17	Initial Hydro-static
3	19.45	90.60	Open To Flow (1)
33	19.74	92.87	Shut-In(1)
64	68.80	94.33	End Shut-In(1)
65	21.81	94.34	Open To Flow (2)
96	22.26	95.46	Shut-In(2)
125	38.48	96.40	End Shut-In(2)
127	1606.99	97.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.02

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dow ning-Nelson Oil Co Inc

6-15s-18w Ellis,KS

PO Box 1019
Hays KS 67601

Dechant Trust #1

Job Ticket: 63098

DST#: 4

ATTN: Marc Dow ning

Test Start: 2017.11.06 @ 02:06:04

Tool Information

Drill Pipe:	Length: 3406.00 ft	Diameter: 3.80 inches	Volume: 47.78 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 47.93 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	3437.00 ft			Final	50000.00 lb
Depth to Bottom Packer:	ft				
Interval betw een Packers:	70.00 ft				
Tool Length:	91.00 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			3417.00	
Shut In Tool	5.00			3422.00	
Hydraulic tool	5.00			3427.00	
Packer	5.00			3432.00	21.00 Bottom Of Top Packer
Packer	5.00			3437.00	
Stubb	1.00			3438.00	
Perforations	4.00			3442.00	
Recorder	0.00	8360	Inside	3442.00	
Recorder	0.00	8673	Outside	3442.00	
Blank Spacing	33.00			3475.00	
Perforations	29.00			3504.00	
Bullnose	3.00			3507.00	70.00 Bottom Packers & Anchor

Total Tool Length: 91.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil Co Inc

6-15s-18w Ellis,KS

PO Box 1019
Hays KS 67601

Dechant Trust #1

Job Ticket: 63098

DST#: 4

ATTN: Marc Dow ning

Test Start: 2017.11.06 @ 02:06:04

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.94 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
5.00	Mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

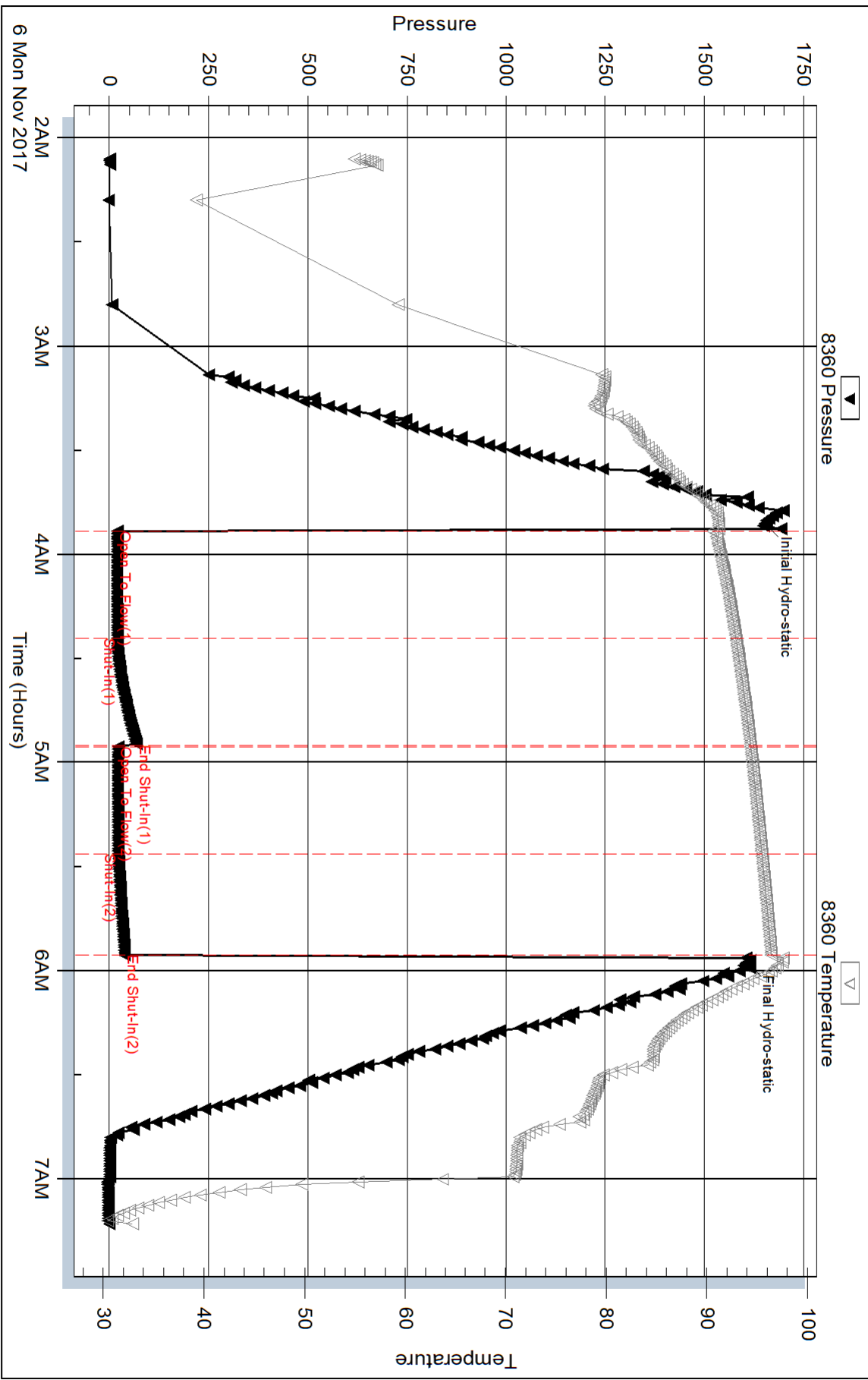
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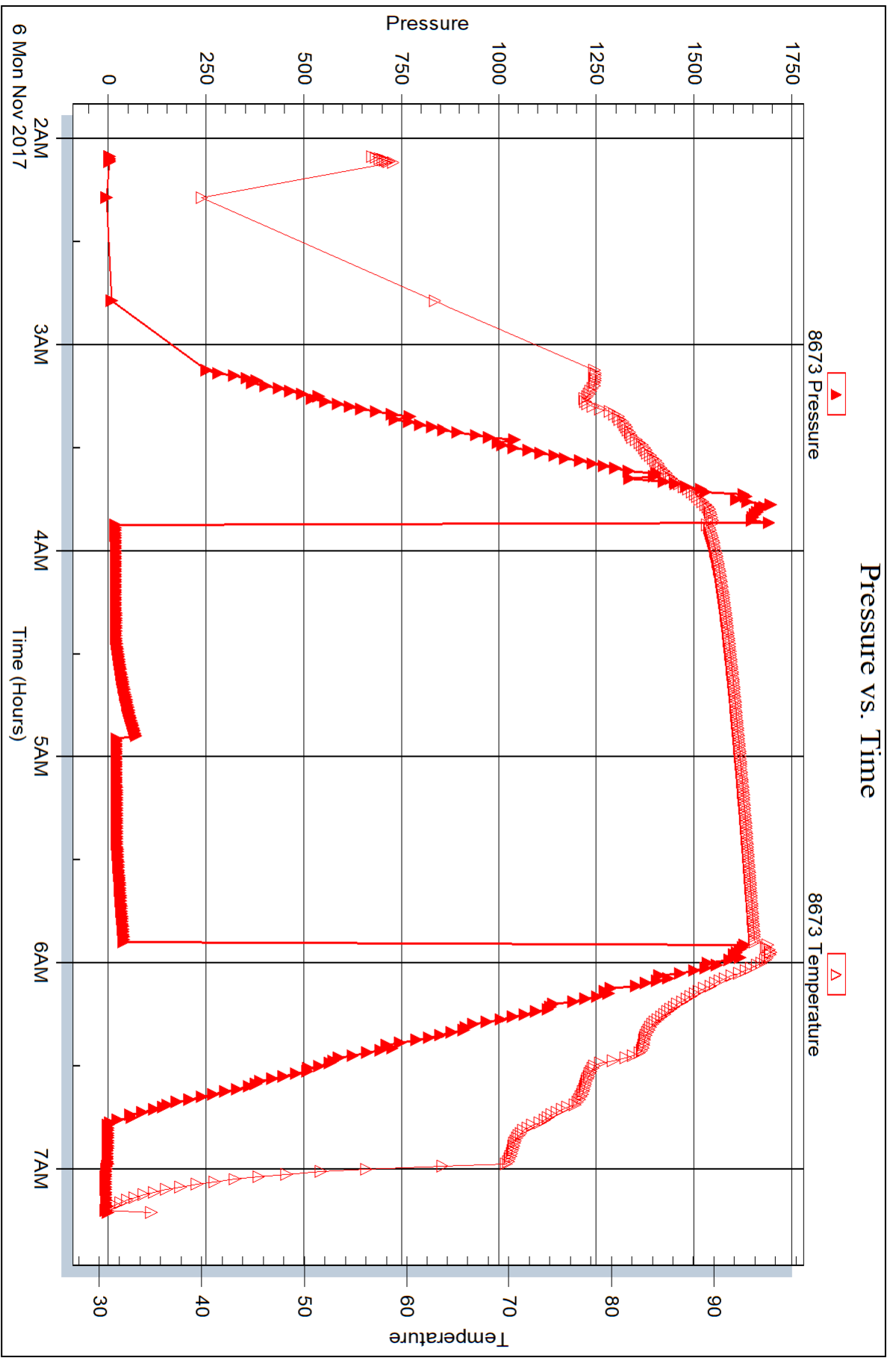
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

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

PO Box 1019
Hays KS 67601

ATTN: Marc Downing

Dechant Trust #1

6-15s-18w Ellis,KS

Start Date: 2017.11.06 @ 21:20:54

End Date: 2017.11.07 @ 04:01:03

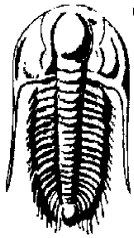
Job Ticket #: 63099 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.11.07 @ 08:25:39



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc

6-15s-18w Ellis,KS

PO Box 1019
Hays KS 67601

Dechant Trust #1

Job Ticket: 63099

DST#: 5

ATTN: Marc Dow ning

Test Start: 2017.11.06 @ 21:20:54

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:37:49

Time Test Ended: 04:01:03

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schw ager

Unit No: 77

Interval: 3600.00 ft (KB) To 3630.00 ft (KB) (TVD)

Reference Elevations: 2030.00 ft (KB)

Total Depth: 3630.00 ft (KB) (TVD)

2022.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8360

Inside

Press@RunDepth: 138.64 psig @ 3602.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.11.06

End Date:

2017.11.07

Last Calib.: 2017.11.07

Start Time: 21:20:54

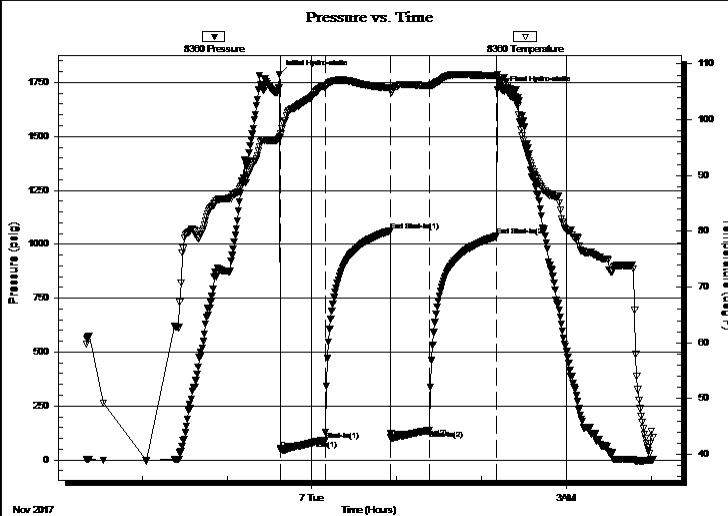
End Time:

04:01:03

Time On Btm: 2017.11.06 @ 23:37:04

Time Off Btm: 2017.11.07 @ 02:15:03

TEST COMMENT: 30-IFP-BOB in 12 min
45-ISIP-surface bl bk
30-FFP-w k to a gd bl 1/2" to 8" bl
45-FSIP-1/2" bl bk



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1787.04	96.97	Initial Hydro-static
1	46.87	96.75	Open To Flow (1)
33	92.29	105.84	Shut-In(1)
78	1063.33	105.72	End Shut-In(1)
79	103.34	105.30	Open To Flow (2)
106	138.64	106.09	Shut-In(2)
154	1037.92	107.93	End Shut-In(2)
158	1711.23	107.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GMO 15%G30%M55%O	0.60
260.00	CO	3.65
0.00	235' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dow ning-Nelson Oil Co Inc

6-15s-18w Ellis,KS

PO Box 1019
Hays KS 67601

Dechant Trust #1

Job Ticket: 63099

DST#: 5

ATTN: Marc Dow ning

Test Start: 2017.11.06 @ 21:20:54

Tool Information

Drill Pipe:	Length: 3580.00 ft	Diameter: 3.80 inches	Volume: 50.22 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume: 50.37 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	51000.00 lb
Depth to Top Packer:	3600.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	ft				
Interval betw een Packers:	30.00 ft				
Tool Length:	51.00 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			3580.00	
Shut In Tool	5.00			3585.00	
Hydraulic tool	5.00			3590.00	
Packer	5.00			3595.00	21.00 Bottom Of Top Packer
Packer	5.00			3600.00	
Stubb	1.00			3601.00	
Perforations	1.00			3602.00	
Recorder	0.00	8360	Inside	3602.00	
Recorder	0.00	8673	Outside	3602.00	
Perforations	25.00			3627.00	
Bullnose	3.00			3630.00	30.00 Bottom Packers & Anchor

Total Tool Length: 51.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil Co Inc

6-15s-18w Ellis,KS

PO Box 1019
Hays KS 67601

Dechant Trust #1

Job Ticket: 63099

DST#: 5

ATTN: Marc Dow ning

Test Start: 2017.11.06 @ 21:20:54

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

29 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.15 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 10000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	GMO 15%G30%M55%O	0.596
260.00	CO	3.647
0.00	235 ' GIP	0.000

Total Length: 322.00 ft

Total Volume: 4.243 bbl

Num Fluid Samples: 0

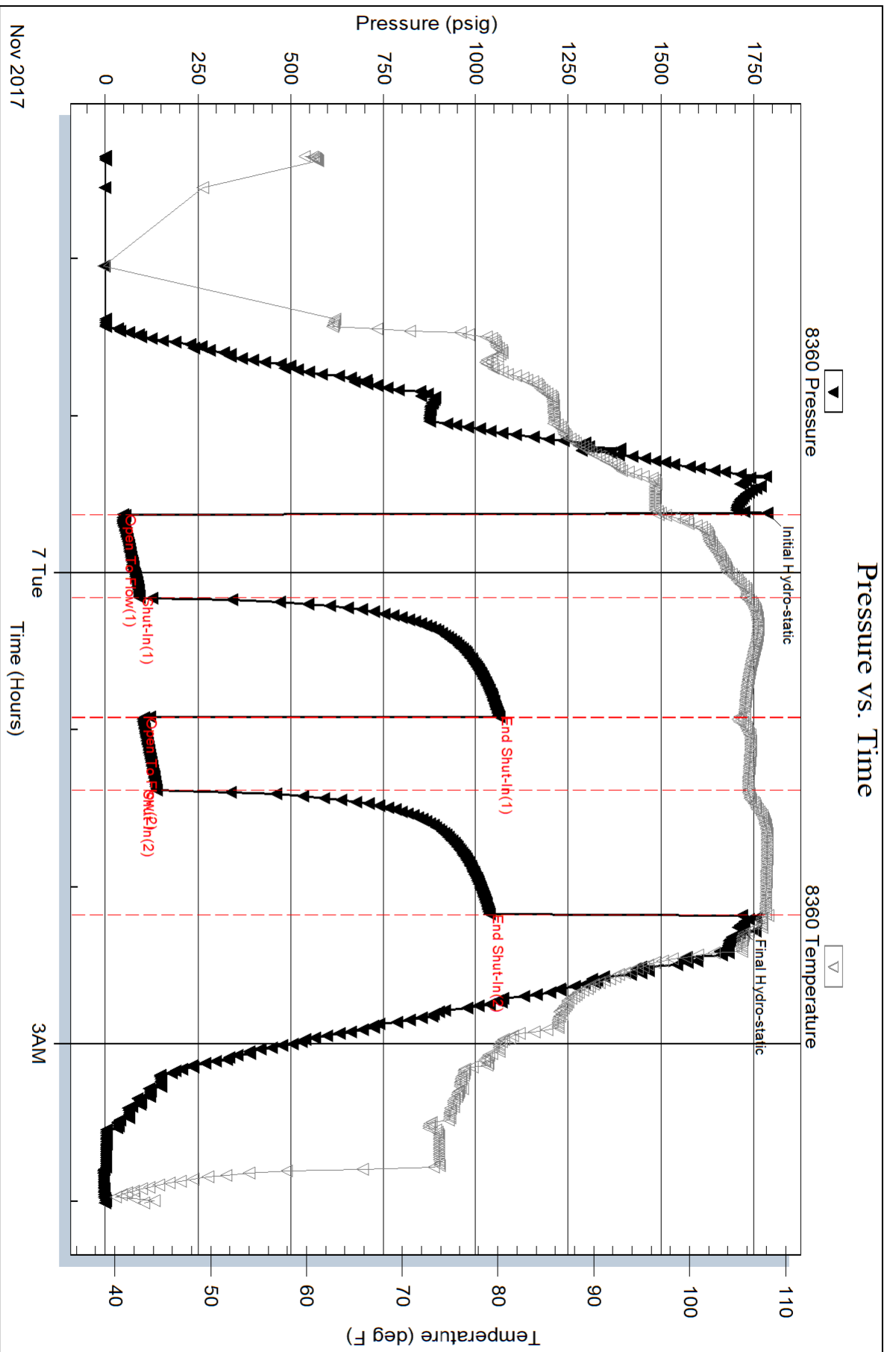
Num Gas Bombs: 0

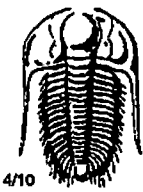
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63094

Well Name & No. Dechant Trust #1 Test No. 1 Date 11-4-17
 Company Downing-Nelson Oil Co, Inc Elevation 2030 KB 2022 GL
 Address PO Box 1019 Hays, Ks 67601
 Co. Rep / Geo. MARC Downing Rig Discovery 1194
 Location: Sec. 6 Twp. 15^s Rge. 18^w Co. ELLIS State Ks

Interval Tested 3292-3324 Zone Tested LKC "A"
 Anchor Length 32 Drill Pipe Run 3263 Mud Wt. 8.7
 Top Packer Depth 3287 Drill Collars Run 30 Vis 52
 Bottom Packer Depth 3292 Wt. Pipe Run - WL 6.4
 Total Depth 3324 Chlorides 3000 ppm System LCM 2#

Blow Description TFP - surface blow thru-out
ISTP - NO Blow
FFP - Weak Blow, 1/2" Blow
FSTP - NO Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>Mud</u>				
	<u>w/slow flow</u>				

Rec Total 20 BHT 95 Gravity - API RW - @ - °F Chlorides - ppm

- (A) Initial Hydrostatic 1555
- (B) First Initial Flow 17
- (C) First Final Flow 26
- (D) Initial Shut-In 82
- (E) Second Initial Flow 29
- (F) Second Final Flow 31
- (G) Final Shut-In 55
- (H) Final Hydrostatic 1536

- Test 1050
- Jars
- Safety Joint
- Circ Sub
- Hourly Standby
- Mileage 22RT 16.50
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1066.50

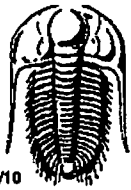
T-On Location 0445
 T-Started 0620
 T-Open 0815
 T-Pulled 1015
 T-Out 1140

Comments _____
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1066.50
 MP/DST Disc't _____

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

Approved By _____

Our Representative RAY SCHWAGER Yhad
404



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63095

Well Name & No. Dechant Trust #1 Test No. 2 Date 11-4-17
 Company Downing-Nelson Oil Co Inc Elevation 2030 KB 2022 GL
 Address PO Box 1019 Hays, Ks 67601
 Co. Rep / Geo. Marc Downing Rig Discovery rig 4
 Location: Sec. 6 Twp. 15^s Rge. 18^w Co. ELLIS State Ks

Interval Tested 3321-3348 Zone Tested LKC "C"
 Anchor Length 27 Drill Pipe Run _____ Mud Wt. 8.6
 Top Packer Depth 3316 Drill Collars Run 30 Vis 56
 Bottom Packer Depth 3321 Wt. Pipe Run — WL 7.2
 Total Depth 3348 Chlorides 5000 ppm System LCM 2th

Blow Description IFP - BOBIN 8min
ISTP - SURFACE Blow Back
FFP - BOBIN 7min
FSTP - 3/4" Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>530</u>	<u>GIP</u>				
<u>35</u>	<u>H0+6CM</u>	<u>15</u>	<u>30</u>	<u>55</u>	
<u>62</u>	<u>0+6CMW</u>	<u>15</u>	<u>10</u>	<u>35</u>	<u>40</u>
<u>62</u>	<u>50CMW</u>		<u>2</u>	<u>88</u>	<u>10</u>

Rec Total 159 BHT 102 Gravity — API RW .1 @ 70 °F Chlorides 75000 ppm

- (A) Initial Hydrostatic 1562
- (B) First Initial Flow 29
- (C) First Final Flow 61
- (D) Initial Shut-In 397
- (E) Second Initial Flow 63
- (F) Second Final Flow 88
- (G) Final Shut-In 389
- (H) Final Hydrostatic 1548

- Test 1050
- Jars _____
- Safety Joint _____
- Circ Sub _____
- Hourly Standby _____
- Mileage 22RT 16.50
- Sampler _____
- Straddle _____
- Shale Packer _____
- Extra Packer _____
- Extra Recorder _____
- Day Standby _____
- Accessibility _____
- Sub Total 1066.50

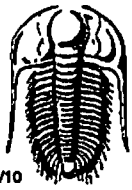
- T-On Location 1720
- T-Started 1820
- T-Open 2005
- T-Pulled 2235
- T-Out 0030

- Comments _____
- Ruined Shale Packer _____
- Ruined Packer _____
- Extra Copies _____
- Sub Total g
- Total 1066.50
- MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 46
 Final Flow 30
 Final Shut-In 45

Approved By _____

Our Representative Ray Schwager Thank you



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63097

Well Name & No. Dechant Trust #1 Test No. 3 Date 11-5-17
 Company Downing-Nelson Oil Co Inc Elevation 2030 KB 2022 GL
 Address Po Box 1019 Hays Ks 67601
 Co. Rep / Geo. Marc Downing Rig Discovery rig 4
 Location: Sec. 6 Twp. 15ⁿ Rge. 18^w Co. ELLIS State Ks

Interval Tested 3346-3370 Zone Tested LKC "D"
 Anchor Length 24 Drill Pipe Run 3326 Mud Wt. 9.1
 Top Packer Depth 3341 Drill Collars Run 30 Vis 53
 Bottom Packer Depth 3346 Wt. Pipe Run - WL 7.2
 Total Depth 3370 Chlorides 5000 ppm System LCM 2#

Blow Description IFP - BOBIN 4 min
TSTP - NO BLOW BACK
FFP - WPAK TO BOBIN 20 min
FSTP - NO BLOW BACK

Rec	Feet of	%gas	%oil	%water	%mud
<u>250</u>	<u>6TP</u>				
<u>25</u>	<u>50CMW</u>		<u>2</u>	<u>68</u>	<u>30</u>
<u>90</u>	<u>MW</u>			<u>90</u>	<u>10</u>

Rec Total 115 BHT 103 Gravity — API RW .09 @ 70° F Chlorides 85000 ppm

- (A) Initial Hydrostatic 1572
- (B) First Initial Flow 25
- (C) First Final Flow 49
- (D) Initial Shut-In 197
- (E) Second Initial Flow 51
- (F) Second Final Flow 71
- (G) Final Shut-In 197
- (H) Final Hydrostatic 1568

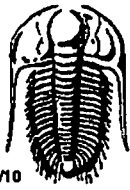
- Test 1050
- Jars
- Safety Joint
- Circ Sub
- Hourly Standby
- Mileage 22 RT 16.50
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1066.50

T-On Location 0510
 T-Started 0555
 T-Open 0805
 T-Pulled 1005
 T-Out 1135
 Comments _____
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1066.50
 MP/DST Disc't _____

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

Approved By _____

Our Representative Rayschwaeger *Thank you*



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63098

Well Name & No. Dechant Trust #1 Test No. 4 Date 11-6-17
 Company Downing-Nelson Oil Co Inc Elevation 2030 KB 2022 GL
 Address PO Box 1019 Hays, Ks 67601
 Co. Rep / Geo. MARC DOWNING Rig DISBOURCY rig 4
 Location: Sec. 6 Twp. 15^S Rge. 18^W Co. ELLIS State Ks

Interval Tested 3437-3507 Zone Tested 1KC H-I-J
 Anchor Length 70 Drill Pipe Run 3406 Mud Wt. 8.9
 Top Packer Depth 3432 Drill Collars Run 30 Vis 49
 Bottom Packer Depth 3437 Wt. Pipe Run - WL 8
 Total Depth 3507 Chlorides 9000 ppm System LCM 2#

Blow Description TFP - WEAK Blow thru-out 1/4" Blow
TSIP - NO Blow BACK
FFP - NO Blow
FSIP - NO Blow BACK

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</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	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT _____ Gravity - API RW - @ - °F Chlorides - ppm

- (A) Initial Hydrostatic 1651
- (B) First Initial Flow 19
- (C) First Final Flow 19
- (D) Initial Shut-In 68
- (E) Second Initial Flow 21
- (F) Second Final Flow 22
- (G) Final Shut-In 38
- (H) Final Hydrostatic 1606

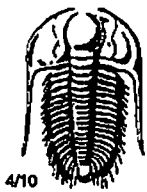
- Test 1050
- Jars _____
- Safety Joint _____
- Circ Sub _____
- Hourly Standby _____
- Mileage 22RT 16.50
- Sampler _____
- Straddle _____
- Shale Packer _____
- Extra Packer _____
- Extra Recorder _____
- Day Standby _____
- Accessibility _____
- Sub Total 1066.50

T-On Location 0110
 T-Started 0205
 T-Open 0350
 T-Pulled 0550
 T-Out 0712
 Comments _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1066.50
 MP/DST Disc't _____

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

Approved By _____

Our Representative RAY Schwagn Thank you



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63099

Well Name & No. Dechant Trust #1 Test No. 5 Date 11-6-17
 Company Downing-Nelson Oil Co. Inc Elevation 2030 KB 2022 GL
 Address PO Box 1019 Hays, Ks 67601
 Co. Rep / Geo. MARC Downing Rig Discovery rig
 Location: Sec. 6 Twp. 15th Rge. 18th Co. ELLIS State Ks

Interval Tested 3600-3630 Zone Tested Arbuckle
 Anchor Length 30 Drill Pipe Run 3580 Mud Wt. 9.1
 Top Packer Depth 3595 Drill Collars Run 30 Vis 5.3
 Bottom Packer Depth 3600 Wt. Pipe Run - WL 9.2
 Total Depth 3630 Chlorides 10000 ppm System LCM 2 1/2 #

Blow Description IFP - BOB IN 12 min
ISTP - SURFACE Blow Back
FFP - WEAK TO A GOOD Blow 1/2" TO 8" Blow
FSTP - 1/2" Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>235</u>	<u>GTP</u>				
<u>260</u>	<u>CO</u>				
<u>62</u>	<u>GMO</u>	<u>15</u>	<u>55</u>		<u>30</u>

Rec Total 322 BHT 108 Gravity 29 API RW - @ - °F Chlorides - ppm

- (A) Initial Hydrostatic 1787
- (B) First Initial Flow 46
- (C) First Final Flow 92
- (D) Initial Shut-In 1063
- (E) Second Initial Flow 103
- (F) Second Final Flow 138
- (G) Final Shut-In 1037
- (H) Final Hydrostatic 1711

- Test 1050
- Jars
- Safety Joint
- Circ Sub
- Hourly Standby
- Mileage 22RT 16.50
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1066.50

- T-On Location 2015
- T-Started 2120
- T-Open 2340
- T-Pulled 0210
- T-Out 0401
- Comments
- Ruined Shale Packer
- Ruined Packer
- Extra Copies
- Sub Total 0
- Total 1066.50
- MP/DST Disc't

Initial Open 30
 Initial Shut-In 45
 Final Flow 30
 Final Shut-In 45

Approved By _____

Our Representative RAY SCHWAGN Thank you

Marc A. Downing		Geologic Report	
Consulting Petroleum Geologist		Drilling Time and Sample Log	
Operator	Downing-Nelson Oil Co., Inc.	Elevation	KB 2030
Lease	Dechant Trust	DF	2028
API #	15-051-26896-0000	GL	2022
Field	Dechant	Casing Record	Surface 8 5/8" @ 600'
Location	1712' FSL & 1571' FEL	Production	5 1/2" @ 3722'
Sec.	6	Twp.	15s
County	Ellis	Rge.	18w
Formation	Sample tops	CNDL, DIL MEL, Sonic	
Top Anhydrite	1223	Datum	+408
Base Anhydrite	1261	Struct Comp	-11
Topok	3006		+772
Headbr	3006		-974
Toronto	3265		-1233
LKC	3287		-1253
BKC	3310		-1277
Arbuckle	3553		-1519
	3630		-1586
Total Depth	3725		-1693
Reference Well For Structural Comparison	D. G. Hanson		
Dechant #1	SW NW SE Sec 6-15s-18w		

Drilling Contractor	Discovery Drilling, Rig #4
Completed	10-30-17
Drilling Time Kept From	To
Samples Examined From	To
Geological Supervision From	To
	RTD
	RTD
	RTD
	RTD

Summary and Recommendations

Due to structural position, DST recovery, and log evaluation, it was decided to set 5 1/2" production casing for completion in the Arbuckle.

Respectfully Submitted,

Marc A. Downing

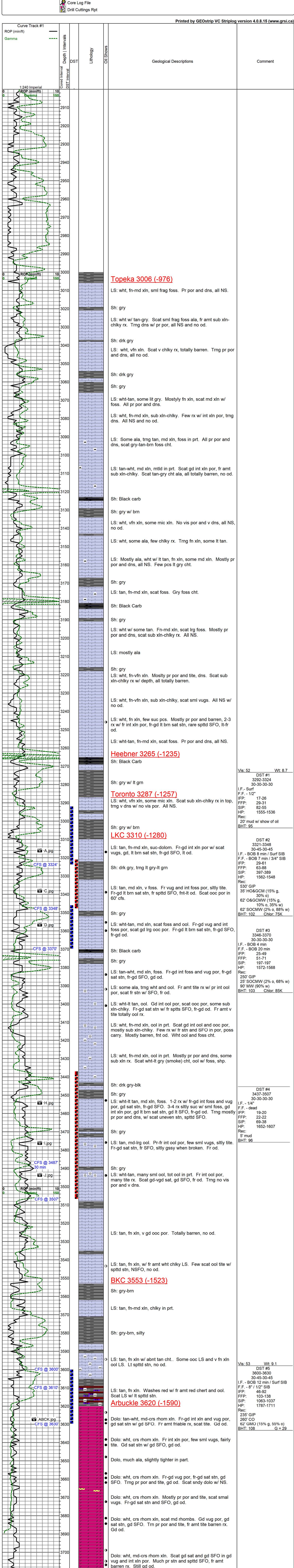
ROCK TYPES	shale, red
shale, gry	
Carbon Sh	
Dolprim	
Lmst fw7>	

ACCESSORIES	Limestone
STRINGER	Sandstone
FOSSIL	Oolite
MINERAL	Chert, dark
	Chert White

OTHER SYMBOLS	DST
DST int	
DST alt	
Core	
tail pipe	
MISC	Daily Report
Digital Photo	
Document	
Folder	
Link	
Vertical Log File	
Horizontal Log File	
Core Log File	
Drill Cuttings Rpt	

OIL SHOWS	Even Stn
Spotted Stn 50 - 75 %	
Spotted Stn 25 - 50 %	
Spotted Stn 1 - 25 %	
Questionable Stn	
Dead Oil Stn	
Fluorescence	

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Vis: 52	Wt: 8.7
DST #1	3292-3324
30-30-30-30	
I.F. - Surf	
F.F. - 1/2"	
IFP:	17-26
FFP:	28-31
SIP:	82-55
HP:	1555-1536
Rec:	20' mud w/ show of oil
BHT:	95
DST #2	3321-3348
30-45-30-45	
I.F. - BOB 8 min / Surf SIB	
F.F. - BOB 7 min / 3/4" SIB	
IFP:	29-61
FFP:	63-88
SIP:	397-389
HP:	1562-1548
Rec:	530' GIP
25' HO&GCM (15% g, 30% o)	
62' O&GCMW (15% g, 10% o, 35% w)	
90' MVW (90% w)	
BHT:	102 Chlor: 75K
DST #3	3346-3370
30-30-30-30	
I.F. - BOB 4 min	
F.F. - BOB 20 min	
IFP:	25-49
FFP:	51-71
SIP:	197-197
HP:	1572-1568
Rec:	250' GIP
25' SOCMMW (2% o, 68% w)	
90' MVW (90% w)	
BHT:	103 Chlor: 85K
DST #4	3437-3507
30-30-30-30	
I.F. - 1/4"	
F.F. - dead	
IFP:	19-20
FFP:	22-22
SIP:	69-38
HP:	1652-1607
Rec:	5' mud
BHT:	96
DST #5	3600-3630
30-45-30-45	
I.F. - BOB 12 min / Surf SIB	
F.F. - 8' / 1/2" SIB	
IFP:	46-92
FFP:	103-138
SIP:	1063-1037
HP:	1787-1711
Rec:	235' GIP
260' CO	
62' GMMO (15% g, 55% o)	
BHT:	108 G=29