

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
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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				

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)</i> <i>(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	BEFORT 3-12
Doc ID	1627375

Tops

Name	Top	Datum
Top Anhydrite	1470'	+733
Base Anhydrite	1511'	+692
Topeka	3216'	-1013
Heebner	3462'	-1259
Tornoto	3485'	-1282
LKC	3510'	-1307
BKC	3736'	-1533
Arbuckle	3829'	-1626



CHARGE TO: Downing & Nelson D.1
 ADDRESS _____
 CITY, STATE, ZIP CODE _____

TICKET 35349

PAGE 1 OF 1

1. Hayes, KS WELL/PROJECT NO. 3-12 LEASE Beford COUNTY/PARISH Ellis STATE KS CITY _____ DATE 02/15/22 OWNER Same

2. Ness City, KS CONTRACTOR _____ RIG NAME/NO. #2 SHIPPED VIA GT DELIVERED TO Location ORDER NO. _____

3. Discovery Drilling WELL TYPE 0'1 WELL CATEGORY Development JOB PURPOSE Cement Surface Casing WELL PERMIT NO. _____

4. _____ INVOICE INSTRUCTIONS _____ WELL LOCATION _____

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF					
575					MILEAGE #123	20	mi	6.00	120.00
576s					Pump Charge - Shallow Surface	1	EA	1000.00	1000.00
290					D-4ir	3	gal	42.00	126.00
325					Standard Cement	150	sks	14.00	2100.00
279					Bentonite Gel	6	sks	30.00	180.00
278					Calcium Chloride	7	sks	40.00	280.00
581					Service Charge Cement	150	sks	2.00	300.00
582					Drayage, Minimum Charge	1	300.00	300.00	300.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.
 DATE SIGNED _____ TIME SIGNED _____
 A.M. P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? YES NO

WE UNDERSTOOD AND MET YOUR NEEDS? YES NO

OUR SERVICE WAS PERFORMED WITHOUT DELAY? YES NO

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? YES NO

ARE YOU SATISFIED WITH OUR SERVICE? YES NO

CUSTOMER DID NOT WISH TO RESPOND

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

OPERATOR [Signature] APPROVAL _____

TOTAL 4414.00

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 02/15/22 PAGE NO. 1
 TICKET NO. 35349

CUSTOMER		WELL NO.		LEASE		JOB TYPE		DESCRIPTION OF OPERATION AND MATERIALS	
Downing & Nelson		3-12		Befort		Surface			
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)			
				T	C	TUBING	CASING		
	2215								On location, Rig Drilling Setup Trucks
	2300								8 5/8" x 23# - 224.26'
	0045								Start casing Start circulating Hook up to Swift
		4	5					206	Start water ahead
	0100	4						200	Start Cmt mix @ 14.7 ppg
		4	30					Vac	Fin Cmt, Start Displacement
		4	42					100	Cmt circulating to surface
		4	49					150	Fin Displacement, Shut Down
	0115								Shut In Release Truck Washup Rack up
	0135								Job Complete

Thanks
 Jan, Joe, & John

SWIFT Services, Inc.

DATE 2-21-22	PAGE NO.
TICKET NO. 35775	

CUSTOMER
Downing Nelson

WELL NO.
3-12

LEASE
BeFour

JOB TYPE
PTA

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2000 2200							On location
		5	10					1st Plug @ 3800
		5	13					pump wtr spacer
		5	4					pump cmt 50 sx
								pump wtr spacer
								Disp w/ mud pump
		5	10					2nd Plug @ 1500
		5	13					pump wtr spacer
		5	15					pump cmt - 50 sx
								Disp w/ wtr
		5	7					3rd Plug @ 800
		5	26					pump wtr spacer
		5	3					pump cmt - 100 sx
								Disp w/ wtr
		5	5					4th Plug @ 275
		5	13					pump wtr spacer
		5	1					pump cmt - 50 sx
								Disp w/ wtr
		1	3					5th plug @ 40
								pump cmt - 10 sx
		2.5	8					plug Rat Hole - 30 sx
		2.5	4					plug Mouse Hole - 15 sx
	6/5							Jobs Complete
								THANKS
								DAVID, SEYM & ISAAC



DRILL STEM TEST REPORT

Prepared For: **Downing Nelson oil Company Inc.**

PO Box 1019
Hays, KS 67601

ATTN: Marc Downing

Befort #3-12

12-14s-19w Ellis,KS

Start Date: 2022.02.19 @ 16:42:00

End Date: 2022.02.19 @ 22:59:15

Job Ticket #: 68337 DST #: 1

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

Printed: 2022.02.23 @ 15:19:10



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Dow ning Nelson oil Company Inc.

12-14s-19w Ellis,KS

PO Box 1019
Hays, KS 67601

Before #3-12

Job Ticket: 68337

DST#: 1

ATTN: Marc Dow ning

Test Start: 2022.02.19 @ 16:42:00

GENERAL INFORMATION:

Formation: **LKC D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:57:45

Time Test Ended: 22:59:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Day

Unit No: 70

Interval: 3543.00 ft (KB) To 3566.00 ft (KB) (TVD)

Reference Elevations: 2203.00 ft (KB)

Total Depth: 3566.00 ft (KB) (TVD)

2195.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8652 Outside

Press@RunDepth: 14.84 psig @ 3544.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.02.19 End Date: 2022.02.19

Last Calib.: 2022.02.19

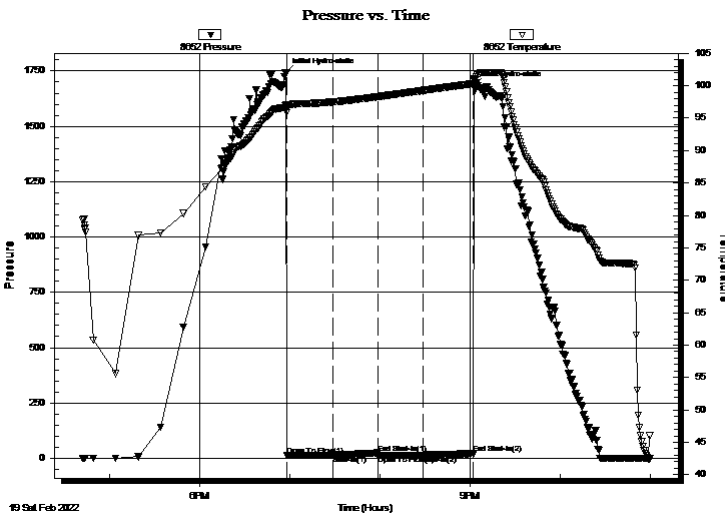
Start Time: 16:42:05 End Time: 22:59:14

Time On Btm: 2022.02.19 @ 18:57:30

Time Off Btm: 2022.02.19 @ 21:02:30

TEST COMMENT: IF-30- Built to 3/4"
SI1-30- No return
FF-30- Weak surface blow
SI2-30- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1743.28	97.11	Initial Hydro-static
1	12.81	95.91	Open To Flow (1)
32	14.78	97.51	Shut-In(1)
61	23.13	98.32	End Shut-In(1)
61	14.57	98.33	Open To Flow (2)
91	14.84	99.27	Shut-In(2)
125	21.31	100.33	End Shut-In(2)
125	1683.49	100.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	mud 100%	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dow ning Nelson oil Company Inc.

12-14s-19w Ellis,KS

PO Box 1019
Hays, KS 67601

Beforet #3-12

Job Ticket: 68337

DST#: 1

ATTN: Marc Dow ning

Test Start: 2022.02.19 @ 16:42:00

Tool Information

Drill Pipe:	Length: 3506.00 ft	Diameter: 3.80 inches	Volume: 49.18 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 49.33 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3543.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	43.00 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			3524.00	
shut In Tool	5.00			3529.00	
hydraulic tool	5.00			3534.00	
Packer	5.00			3539.00	20.00 Bottom Of Top Packer
Packer	4.00			3543.00	
Stubb	1.00			3544.00	
Recorder	0.00	6625	Inside	3544.00	
Recorder	0.00	8652	Outside	3544.00	
perforations	18.00			3562.00	
Bullnose	4.00			3566.00	23.00 Bottom Packers & Anchor
Total Tool Length:	43.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning Nelson oil Company Inc.

12-14s-19w Ellis,KS

PO Box 1019
Hays, KS 67601

Befort #3-12

Job Ticket: 68337

DST#: 1

ATTN: Marc Dow ning

Test Start: 2022.02.19 @ 16:42:00

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	mud 100%	0.005

Total Length: 1.00 ft Total Volume: 0.005 bbl

Num Fluid Samples: 0

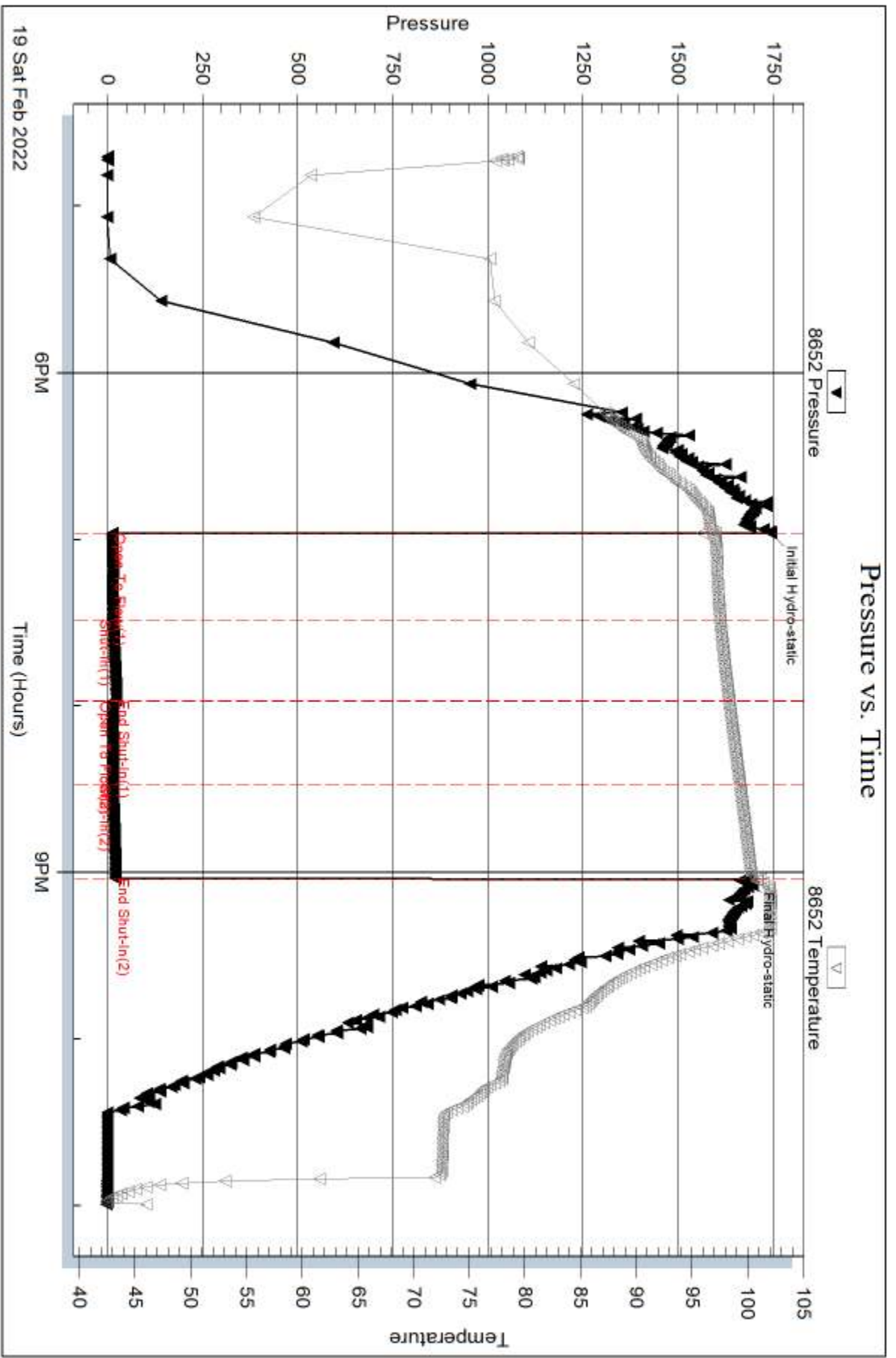
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2 1/2# LCM



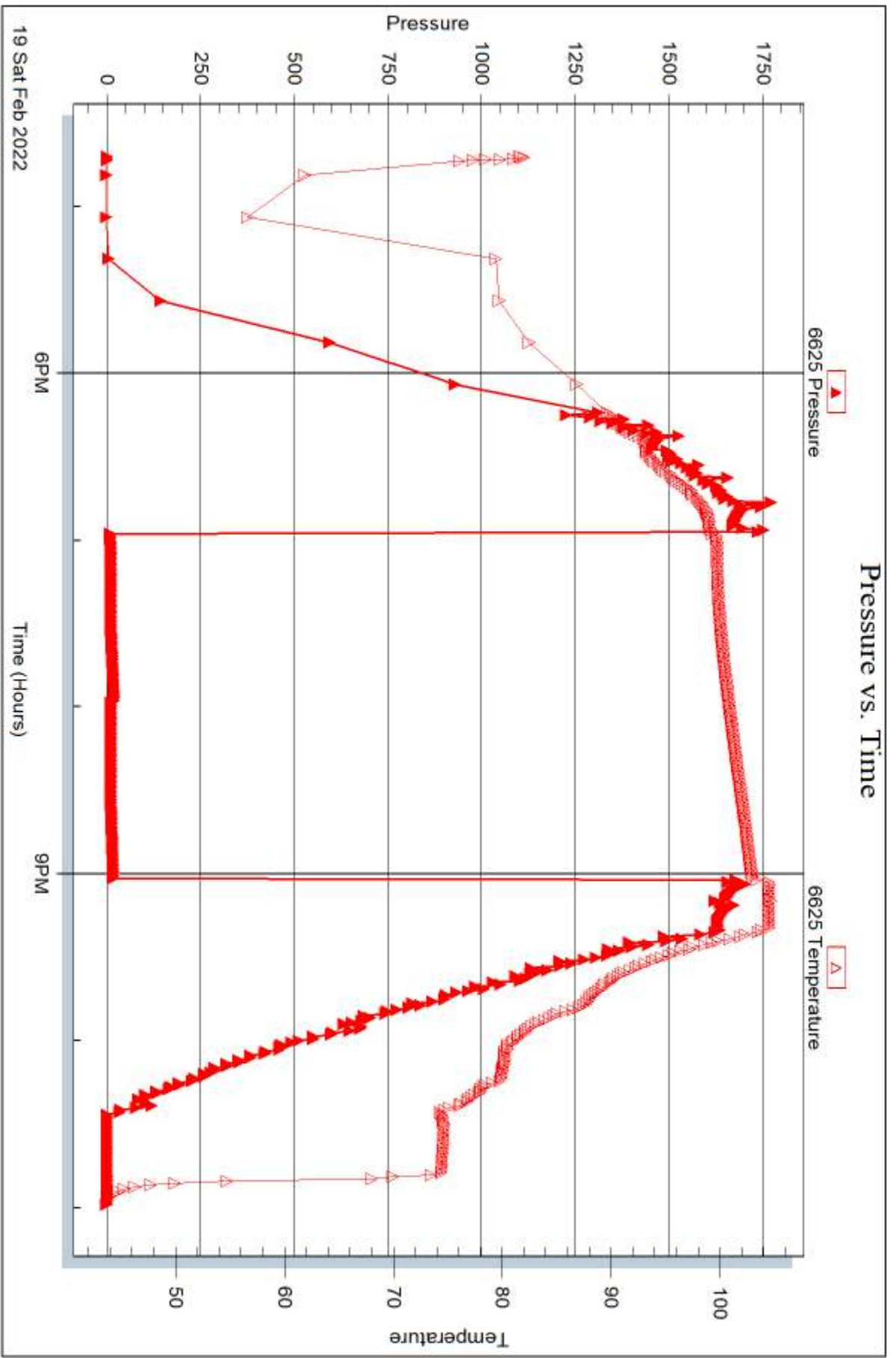
Serial #: 6625

Inside

Dow n ing Nelson oil Company Inc.

Before#3-12

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 68337

Printed: 2022.02.23 @ 15:19:13



DRILL STEM TEST REPORT

Prepared For: **Downing Nelson oil Company Inc.**

PO Box 1019
Hays, KS 67601

ATTN: Marc Downing

Befort #3-12

12-14s-19w Ellis,KS

Start Date: 2022.02.21 @ 12:19:00

End Date: 2022.02.21 @ 18:11:45

Job Ticket #: 68338 DST #: 2

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

Printed: 2022.02.23 @ 08:33:46



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Dow ning Nelson oil Company Inc.

12-14s-19w Ellis,KS

PO Box 1019
Hays, KS 67601

Before #3-12

Job Ticket: 68338

DST#: 2

ATTN: Marc Dow ning

Test Start: 2022.02.21 @ 12:19:00

GENERAL INFORMATION:

Formation: **LKC I&J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:07:00

Time Test Ended: 18:11:45

Test Type: Conventional Straddle (Reset)

Tester: Dustin Day

Unit No: 70

Interval: 3648.00 ft (KB) To 3700.00 ft (KB) (TVD)

Reference Elevations: 2203.00 ft (KB)

Total Depth: 3905.00 ft (KB) (TVD)

2195.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

Serial #: 8652 Outside

Press@RunDepth: 36.35 psig @ 3658.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.02.21

End Date: 2022.02.21

Last Calib.: 2022.02.21

Start Time: 12:19:05

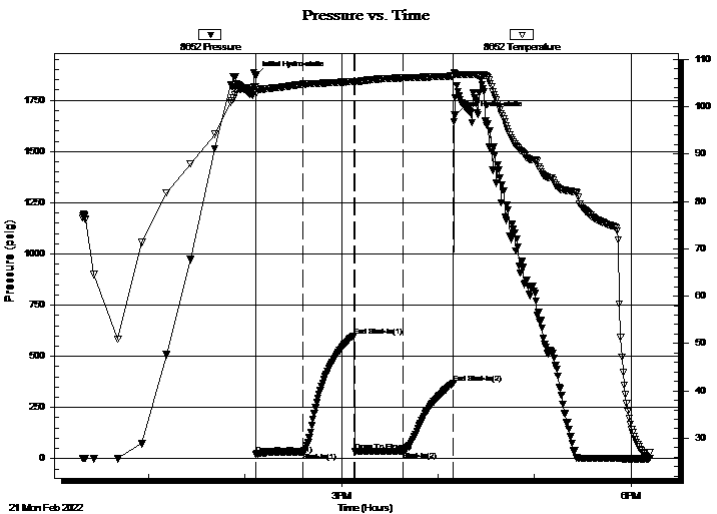
End Time: 18:11:44

Time On Btm: 2022.02.21 @ 14:06:45

Time Off Btm: 2022.02.21 @ 16:10:15

TEST COMMENT: IF-30- Built to 1 3/4"
SI1-30- No return
FF-30- Built to 1/4"
SI2-30- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1869.17	104.19	Initial Hydro-static
1	21.73	102.88	Open To Flow (1)
30	33.40	104.73	Shut-In(1)
61	597.96	105.30	End Shut-In(1)
62	35.68	105.11	Open To Flow (2)
92	36.35	106.07	Shut-In(2)
123	369.19	106.45	End Shut-In(2)
124	1676.68	106.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
35.00	Mud 100%	0.22

* 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 Company Inc.

12-14s-19w Ellis,KS

PO Box 1019
Hays, KS 67601

Before #3-12

Job Ticket: 68338

DST#: 2

ATTN: Marc Dow ning

Test Start: 2022.02.21 @ 12:19:00

Tool Information

Drill Pipe:	Length: 3633.00 ft	Diameter: 3.80 inches	Volume: 50.96 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 66000.00 lb
			<u>Total Volume: 51.11 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	35.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3648.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	3697.00 ft			
Interval between Packers:	49.00 ft			
Tool Length:	277.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Change Over Sub	1.00			3629.00	
shut In Tool	5.00			3634.00	
hydraulic tool	5.00			3639.00	
Packer	5.00			3644.00	20.00 Bottom Of Top Packer
Packer	4.00			3648.00	
Stubb	1.00			3649.00	
perforations	8.00			3657.00	
change Over Sub	1.00			3658.00	
Recorder	0.00	6625	Inside	3658.00	
Recorder	0.00	8652	Outside	3658.00	
drill Pipe	32.00			3690.00	
change Over Sub	1.00			3691.00	
perforations	5.00			3696.00	
Blank Off Sub	1.00			3697.00	
Packer	3.00			3700.00	49.00 Tool Interval
Packer	1.00			3701.00	
stubb	1.00			3702.00	
perforations	9.00			3711.00	
Change Over Sub	1.00			3712.00	
Recorder	0.00	8167	Below	3712.00	
Drill Pipe	188.00			3900.00	
change Over Sub	1.00			3901.00	
bullnose	4.00			3905.00	208.00 Bottom Packers & Anchor
Total Tool Length:	277.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing Nelson oil Company Inc.

12-14s-19w Ellis,KS

PO Box 1019
Hays, KS 67601

Before #3-12

Job Ticket: 68338

DST#: 2

ATTN: Marc Downing

Test Start: 2022.02.21 @ 12:19:00

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
35.00	Mud 100%	0.218

Total Length: 35.00 ft Total Volume: 0.218 bbl

Num Fluid Samples: 0

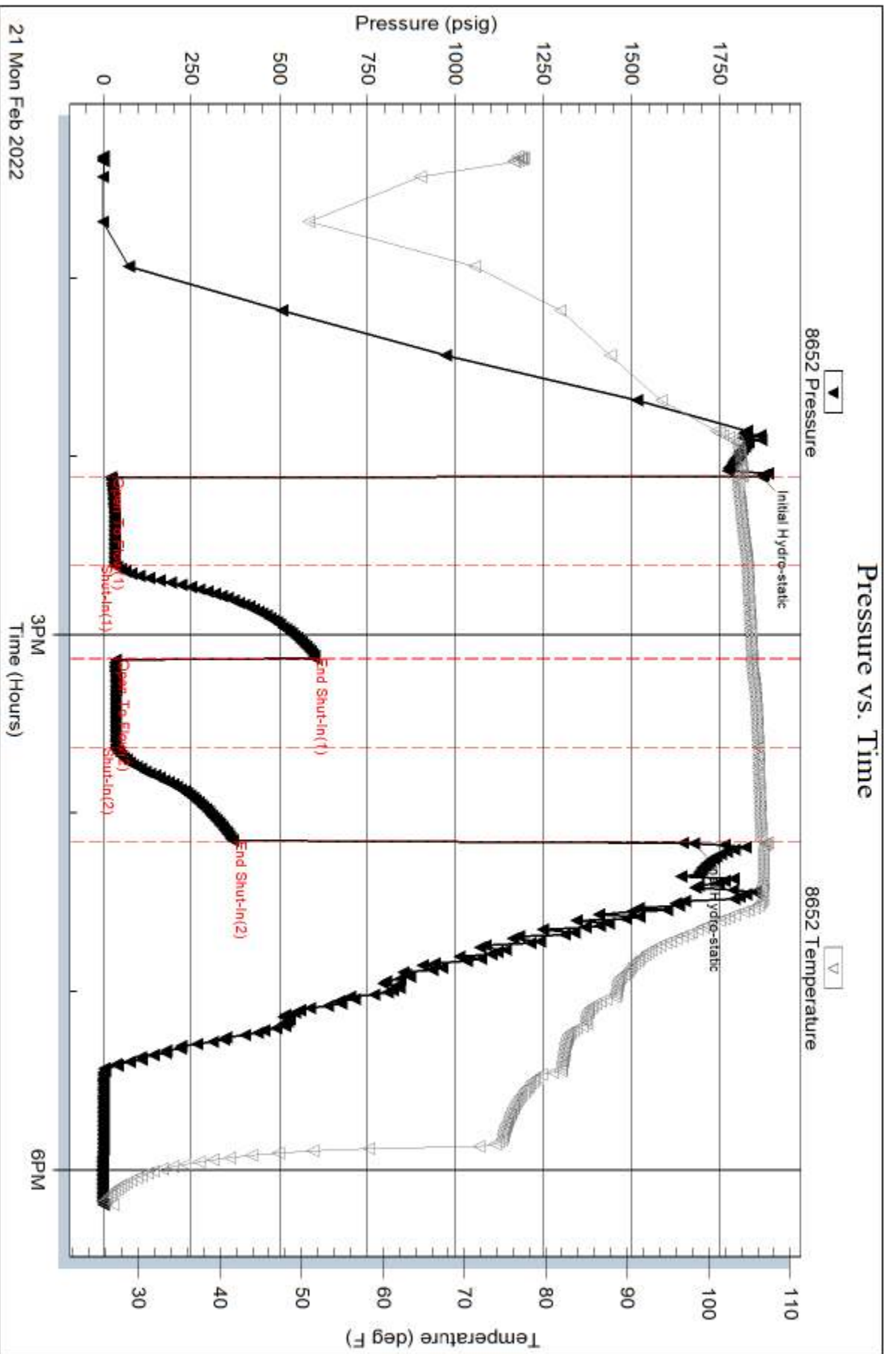
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2 1/2 # LCM



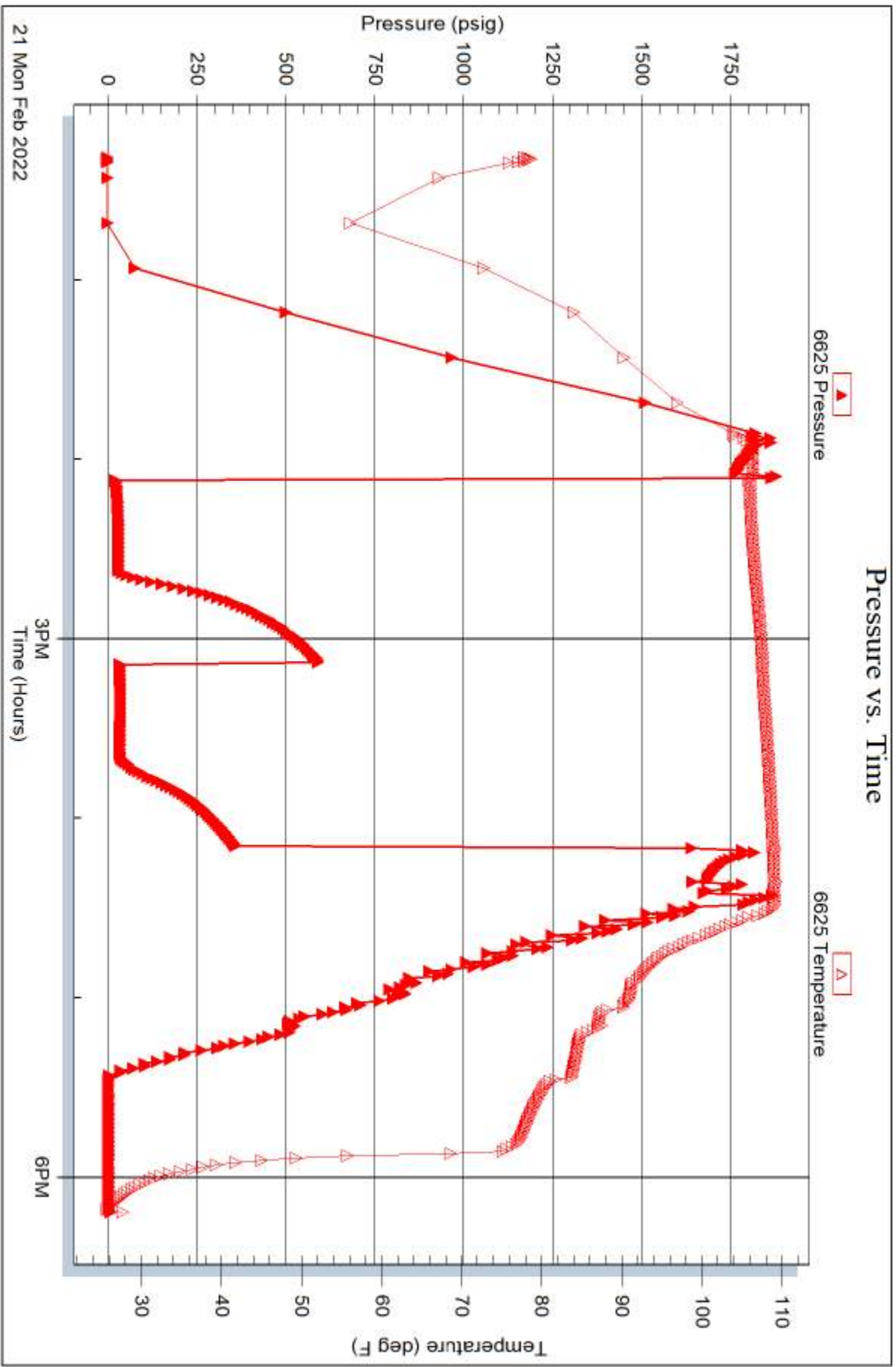
Serial #: 6625

Inside

Dow n ing Nelson oil Company Inc.

Before#3-12

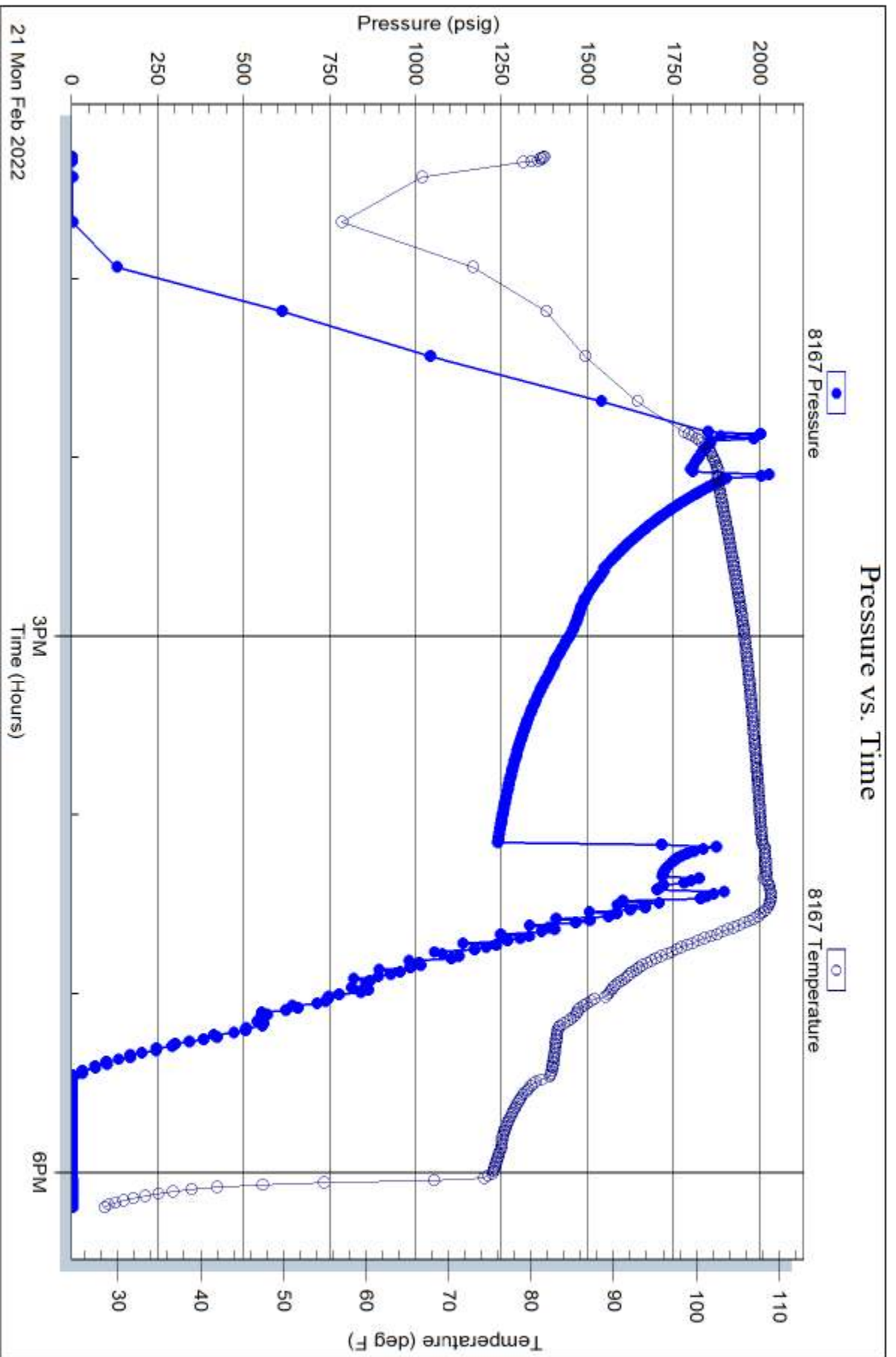
DST Test Number: 2

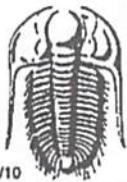


Trilobite Testing, Inc

Ref. No: 68338

Printed: 2022.02.23 @ 08:33:47





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68337

Well Name & No. Befort #3-12 Test No. 1 Date 2/19/22
 Company Downing Nelson Oil Company Inc. Elevation 2203 KB 2195 GL
 Address PO Box 1019 Hays, KS 67601
 Co. Rep / Geo. Marc Downing Rig Discovery Rig #2
 Location: Sec. 12 Twp 14 Rge. 19 Co. Ellis State Ks

Interval Tested 3543-3566 Zone Tested LKC"D"
 Anchor Length 23 Drill Pipe Run 3506 Mud Wt. 8.9
 Top Packer Depth 3538 Drill Collars Run 30 Vis 53
 Bottom Packer Depth 3543 Wt. Pipe Run φ WL 9.2
 Total Depth 3566 Chlorides 7500 ppm System LCM 2 1/2 #

Blow Description IF - Built to 3/4"
S11 - No Return
FF - Weak surface blow
S12 - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

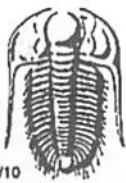
Rec Total 1 BHT 98 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1743</u>	<input checked="" type="checkbox"/> Test _____	T-On Location <u>14:50</u>
(B) First Initial Flow <u>13</u>	<input type="checkbox"/> Jars _____	T-Started <u>16:42</u>
(C) First Final Flow <u>15</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>18:58</u>
(D) Initial Shut-In <u>23</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/A</u>	T-Pulled <u>20:58</u>
(E) Second Initial Flow <u>15</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>22:59</u>
(F) Second Final Flow <u>15</u>	<input checked="" type="checkbox"/> Mileage <u>16</u>	Comments _____
(G) Final Shut-In <u>21</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>11083</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> EM Tool _____

Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	Sub Total _____
	<input type="checkbox"/> Accessibility _____	Total _____
	Sub Total _____	MP/DST Disc't _____

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. 68338

Well Name & No. Befort #3-12 Test No. 2 Date 2/21/22
 Company Downing Nelson Oil Company Inc Elevation 2203 KB 2195 GL
 Address PO Box 1019 Hays, KS 67601
 Co. Rep / Geo. Marc Downing Rig Discover Rig #2
 Location: Sec. 12 Twp 14 Rge. 19 Co. Ellis State KS

Interval Tested 3648-3700 Zone Tested LKC "I+D"
 Anchor Length 52 Drill Pipe Run 3633 Mud Wt. 9.3
 Top Packer Depth 3643 Drill Collars Run 30 Vis 53
 Bottom Packer Depth 3648 S.P. 3700 Wt. Pipe Run Ø WL 8.4
 Total Depth 3905 Chlorides 7500 ppm System LCM 2 1/2#

Blow Description IF Built to 13/4"
S17 - No Return
FF - Built to 1/4"
S12 - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>35</u>	<u>Mud</u>			<u>100</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 35 BHT 106 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1869 Test _____ T-On Location 11:00
 (B) First Initial Flow 22 Jars _____ T-Started 12:19
 (C) First Final Flow 33 Safety Joint _____ T-Open 14:07
 (D) Initial Shut-In 598 Circ Sub N/A T-Pulled 16:07
 (E) Second Initial Flow 36 Hourly Standby _____ T-Out 18:12
 (F) Second Final Flow 36 Mileage 16 Comments _____
 (G) Final Shut-In 369 Sampler _____
 (H) Final Hydrostatic 1677 Straddle _____

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

Approved By _____ Our Representative Dust Dy

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Marc A. Downing Consulting Petroleum Geologist		Geologic Report Drilling Time and Sample Log	
Operator Downing-Nelson Oil Co., Inc.		Elevation KB 2203 DF 2201 GL 2195	
Lease Befort No. 3-12		Casing Record Surface 8 5/8" @ 222' Production	
API # 15-051-27024-0000		Electrical Surveys CNDL, DIL MEL	
Field Ridge Hill			
Location 2310' FSL & 2310' FWL			
Sec. 12	Twp. 14s	Rge. 19w	
County Ellis	State Kansas		
Formation	Sample tops	Log Tops	Datum Struct Comp
Top Anhydrite	1475	1470	+733 -3
Base Anhydrite	1514	1511	+692 -1
Topeka	3219	3216	-1013 NA
Heebner	3464	3462	-1259 -2
Toronto	3487	3485	-1282 -4
LKC	3511	3510	-1307 -2
BKC	3738	3736	-1533 +3
Arbuckle	3830	3829	-1626 -30
Total Depth	3905	3905	-1702
Reference Well For Structural Comparison Staab-Dreiling - Rack #1 OWWO SE NE SW, Sec. 12-14s-19w			

Drilling Contractor	Discovery Drilling, Rig #2	
Commenced	2-15-22	Completed 2-21-22
Samples Saved From	3200	To RTD
Drilling Time Kept From	3100	To RTD
Samples Examined From	3200	To RTD
Geological Supervision From	3200	To RTD

Summary and Recommendations

Due to structural position, DST recovery, and log evaluation, it was decided to plug and abandon the well.

Respectfully Submitted,

Marc A. Downing

ROCK TYPES	shale, red
	shale, gry
	Carbon Sh
	Lmst fvr/>
	shale, grn
	Chl vari
	Dolprtm

ACCESSORIES	DST Int
	DST alt
	Core
	tan pipe
OTHER SYMBOLS	Daily Report
	Digital Photo
	Document
	Folder
	Link
	Vertical Log File
	Horizontal Log File
	Core Log File
	Drill Cuttings Rot

MINERAL	Chert, dark
	Chert White
OIL SHOWS	Even Sin
	Spotted Sin 50-75%
	Spotted Sin 25%
	Spotted Sin 25%
	Questionable Sin
	Dead Oil Sin
	Fluorescence

NOTE: Gamma ray has been shifted to fit ROP

