



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1244121
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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 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
- Plug Back Conv. to GSW Conv. to Producer
- 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

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
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1244121

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 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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 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)*

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

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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
--	---	---

Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	Vap 1-9
Doc ID	1244121

All Electric Logs Run

Sonic
Micro
Dual Induction
Compensated Density Neutron

ALLIED OIL & GAS SERVICES, LLC

21910
877
063835
1462
22971

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Oakley 14

DATE <u>2/12/19</u>	SEC. <u>9</u>	TWP. <u>1</u>	RANGE <u>33</u>	CALLED OUT	ON LOCATION	JOB START <u>9:00 AM</u>	JOB FINISH <u>10:50 AM</u>
LEASE <u>Vap</u>	WELL # <u>1-9</u>	LOCATION <u>ATwood 12 N 2 E side</u>			COUNTY <u>Haskell</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Discovery #1
 TYPE OF JOB RTA Rotary
 HOLE SIZE 7 1/8 T.D.
 CASING SIZE P518 DEPTH 221'00
 TUBING SIZE DEPTH
 DRILL PIPE 4 1/2 DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT

OWNER Same
 CEMENT AMOUNT ORDERED 255 60/40 470 gal 4460
 COMMON 255 @ 10.92 4824.60
 POZMIX @
 GEL @
 CHLORIDE @
 ASC @
RO Seal 64 lb @ 2.92 190.08
Material Total @ 5014.68
(2256.68 / 45%)
 HANDLING 27 @ 2.10 67.20
 MILEAGE 77 @ 11.436 880.45
 TOTAL 5752.33

EQUIPMENT

PUMP TRUCK CEMENTER Alan Ryan
 # 49538 HELPER Kevin Ryan
 BULK TRUCK
 # 373 DRIVER George Grant
 BULK TRUCK
 # DRIVER

REMARKS:

50 S/LC 2820 FT
100 S/LC 2040 FT
50 S/LC 225 FT
10 S/LC 40 FT
30 S/LC/H
15 S/LC/H
F. Smith
George Grant

CHARGE TO: Dunning & Walden
 STREET
 CITY STATE ZIP

SERVICE

DEPTH OF JOB 2820'
 PUMP TRUCK CHARGE 2483.59
 EXTRA FOOTAGE @
 MILEAGE 100 @ 7.20 720.00
 MANIFOLD @
678 Vehicle 50 @ 4.00 200.00
 TOTAL (2576.38 / 45%) 5725.29

PLUG & FLOAT EQUIPMENT

8 1/2" Wood-Play @ 110.00
 @
 @
 @
 @
 TOTAL 110.00

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME
 SIGNATURE Staff Mayfield

SALES TAX (if Any)
 TOTAL CHARGES 10,849.97
 DISCOUNT 4,832.98 (45%) IF PAID IN 30 DAYS
6,016.98 Net.



DRILL STEM TEST REPORT

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

PO Box 1019
Hays, KS 67601

ATTN: Marc Downing

Vap #1-9

9-1s-33w Rawlins,KS

Start Date: 2015.02.10 @ 06:25:00

End Date: 2015.02.10 @ 12:59:00

Job Ticket #: 61071 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.02.12 @ 11:10:41



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co., Inc.

9-1s-33w Rawlins,KS

PO Box 1019
Hays, KS 67601

Vap #1-9

Job Ticket: 61071

DST#: 1

ATTN: Marc Dow ning

Test Start: 2015.02.10 @ 06:25:00

GENERAL INFORMATION:

Formation: **LKC "B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:17:30

Time Test Ended: 12:59:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Quintana

Unit No: 57

Interval: 3913.00 ft (KB) To 3966.00 ft (KB) (TVD)

Reference Elevations: 2949.00 ft (KB)

Total Depth: 3966.00 ft (KB) (TVD)

2941.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8647

Inside

Press@RunDepth: 37.48 psig @ 3914.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.02.10

End Date:

2015.02.10

Last Calib.: 2015.02.10

Start Time: 06:25:01

End Time:

12:59:00

Time On Btm: 2015.02.10 @ 09:16:30

Time Off Btm: 2015.02.10 @ 11:20:30

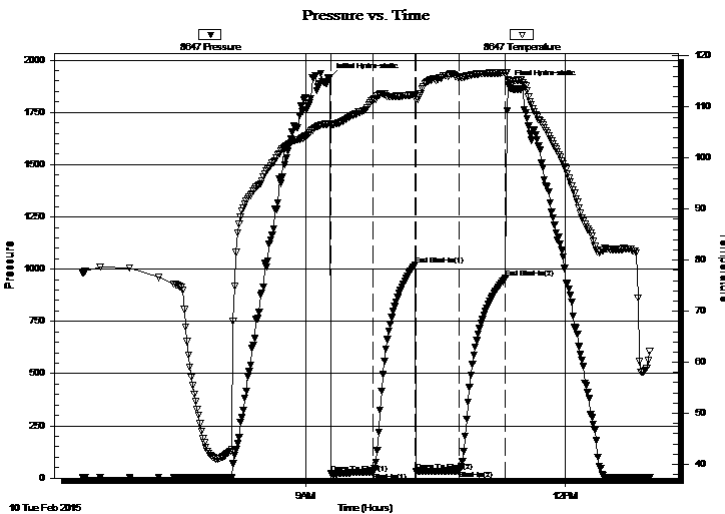
TEST COMMENT: 30 - IF - Opened w/ surface blow , built to 1"

30 - ISI - No Return

30 - FF - Blow built to 1"

30 - FSI - No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1915.58	106.73	Initial Hydro-static
1	20.55	106.45	Open To Flow (1)
30	30.21	111.40	Shut-In(1)
59	1018.99	112.46	End Shut-In(1)
60	32.52	111.45	Open To Flow (2)
90	37.48	115.83	Shut-In(2)
122	956.43	116.71	End Shut-In(2)
124	1881.23	115.24	Final Hydro-static

Recovery

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

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dow ning-Nelson Oil Co., Inc.

9-1s-33w Rawlins,KS

PO Box 1019
Hays, KS 67601

Vap #1-9

Job Ticket: 61071

DST#: 1

ATTN: Marc Dow ning

Test Start: 2015.02.10 @ 06:25:00

Tool Information

Drill Pipe:	Length: 3886.00 ft	Diameter: 3.80 inches	Volume: 54.51 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 29.22 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.22 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3913.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	53.00 ft			
Tool Length:	81.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3890.00	
Hydraulic tool	5.00			3895.00	
Jars	5.00			3900.00	
Safety Joint	3.00			3903.00	
Packer	5.00			3908.00	28.00 Bottom Of Top Packer
Packer	5.00			3913.00	
Stubb	1.00			3914.00	
Recorder	0.00	8647	Inside	3914.00	
Recorder	0.00	8372	Outside	3914.00	
Perforations	15.00			3929.00	
Change Over Sub	1.00			3930.00	
Drill Pipe	32.00			3962.00	
Change Over Sub	1.00			3963.00	
Bullnose	3.00			3966.00	53.00 Bottom Packers & Anchor

Total Tool Length: 81.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil Co., Inc.

9-1s-33w Rawlins,KS

PO Box 1019
Hays, KS 67601

Vap #1-9

Job Ticket: 61071

DST#: 1

ATTN: Marc Dow ning

Test Start: 2015.02.10 @ 06:25:00

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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
35.00	100%mud	0.225

Total Length: 35.00 ft Total Volume: 0.225 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

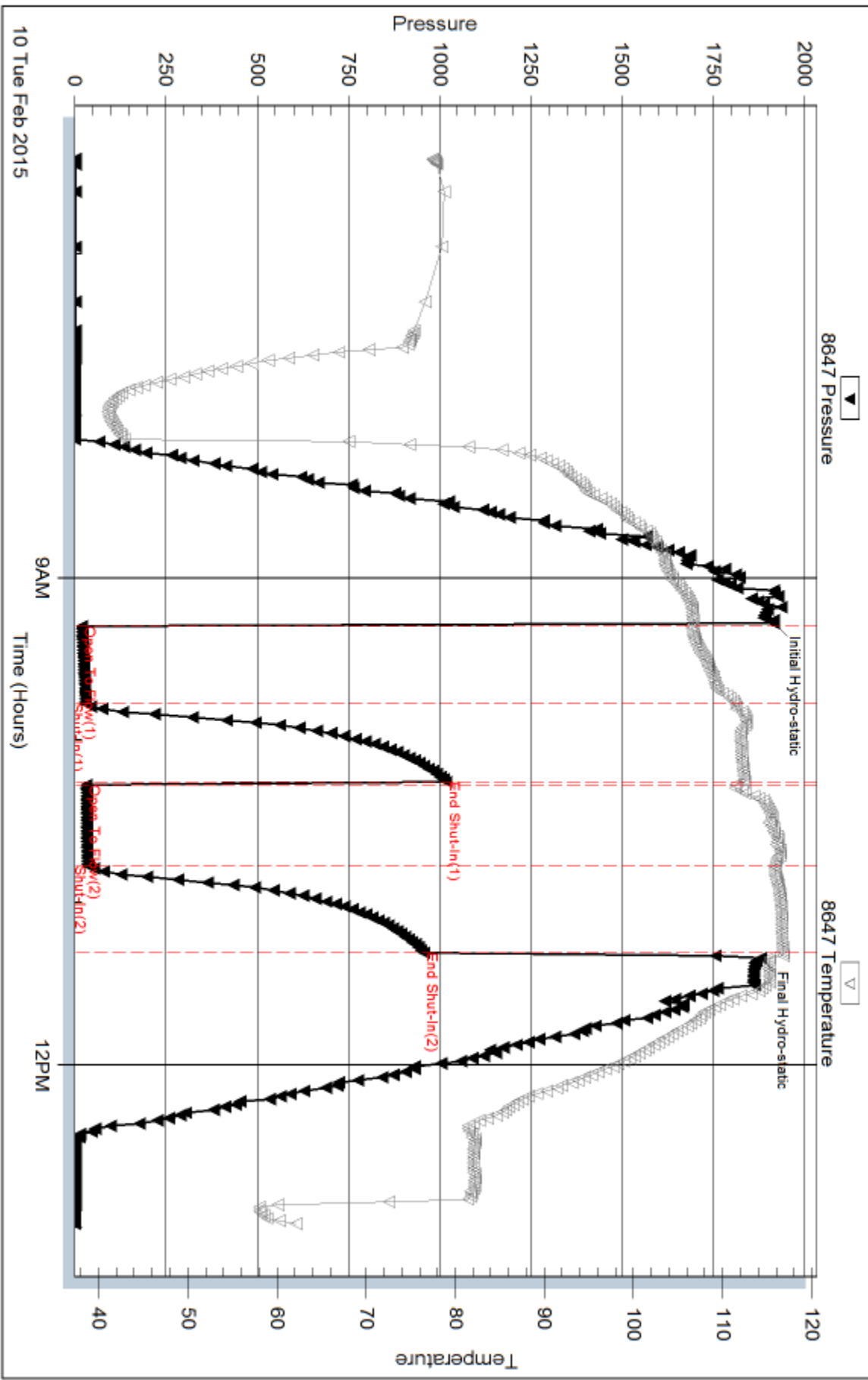
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

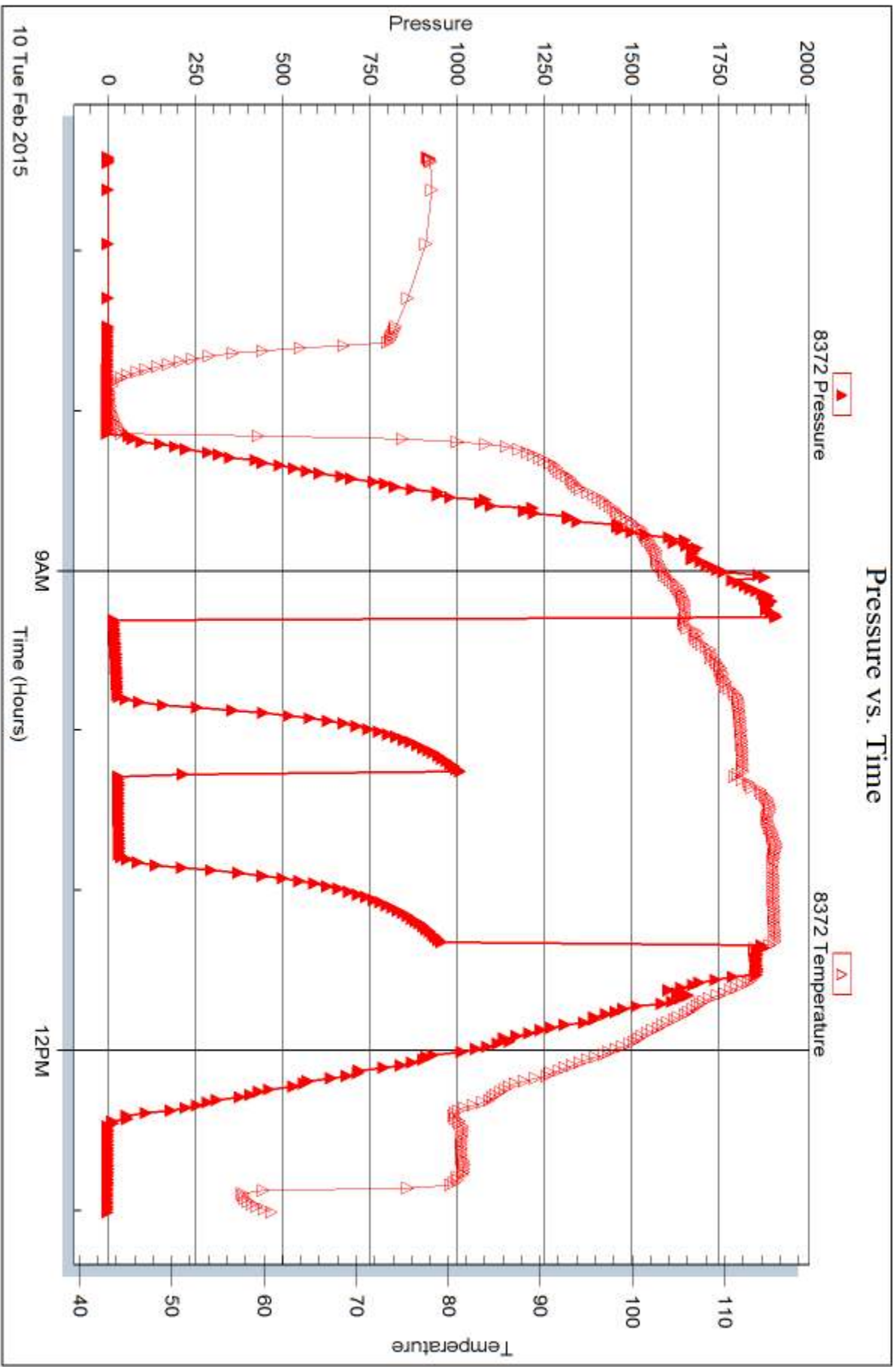


Serial #: 8372

Outside Dow nign-Nelson Oil Co., Inc.

Vap #1-9

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 61071

Printed: 2015.02.12 @ 11:10:42



DRILL STEM TEST REPORT

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

PO Box 1019
Hays, KS 67601

ATTN: Marc Downing

Vap #1-9

9-1s-33w Rawlins,KS

Start Date: 2015.02.11 @ 19:32:00

End Date: 2015.02.12 @ 01:37:00

Job Ticket #: 61072 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.02.12 @ 10:52:30



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co., Inc.

9-1s-33w Rawlins,KS

PO Box 1019
Hays, KS 67601

Vap #1-9

Job Ticket: 61072

DST#: 2

ATTN: Marc Dow ning

Test Start: 2015.02.11 @ 19:32:00

GENERAL INFORMATION:

Formation: **LKC "D-E"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:45:30

Time Test Ended: 01:37:00

Test Type: Conventional Straddle (Initial)

Tester: Brandon Quintana

Unit No: 57

Interval: 4005.00 ft (KB) To 4139.00 ft (KB) (TVD)

Reference Elevations: 2949.00 ft (KB)

Total Depth: 4218.00 ft (KB) (TVD)

2941.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8647

Inside

Press@RunDepth: 38.41 psig @ 4007.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.02.11

End Date:

2015.02.12

Last Calib.:

2015.02.12

Start Time: 19:32:01

End Time:

01:37:00

Time On Btm:

2015.02.11 @ 21:43:30

Time Off Btm:

2015.02.11 @ 23:48:00

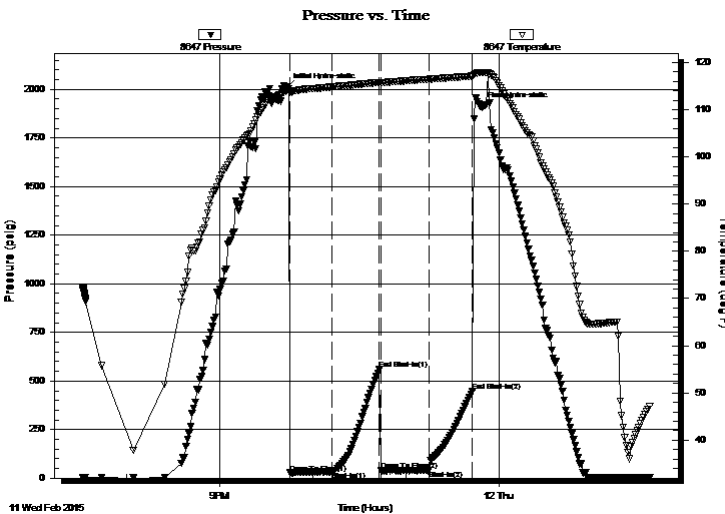
TEST COMMENT: 30 - IF - Opened w/ surface blow , built to 3/4"

30 - ISI - No Return

30 - FF - No Blow

30 - FSI - No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2007.51	113.95	Initial Hydro-static
2	26.75	113.67	Open To Flow (1)
29	33.52	114.81	Shut-In(1)
60	560.42	115.76	End Shut-In(1)
61	40.53	115.70	Open To Flow (2)
92	38.41	116.42	Shut-In(2)
120	448.35	117.09	End Shut-In(2)
125	1913.33	117.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	100% mud	0.15

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dow ning-Nelson Oil Co., Inc.

9-1s-33w Rawlins,KS

PO Box 1019
Hays, KS 67601

Vap #1-9

Job Ticket: 61072

DST#: 2

ATTN: Marc Dow ning

Test Start: 2015.02.11 @ 19:32:00

Tool Information

Drill Pipe:	Length: 3953.00 ft	Diameter: 3.80 inches	Volume: 55.45 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 29.22 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.22 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	4005.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	4220.00 ft			
Interval betw een Packers:	215.00 ft			
Tool Length:	243.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description

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

Shut In Tool	5.00			3982.00	
Hydraulic tool	5.00			3987.00	
Jars	5.00			3992.00	
Safety Joint	3.00			3995.00	
Packer	5.00			4000.00	28.00 Bottom Of Top Packer
Packer	5.00			4005.00	
Stubb	1.00			4006.00	
Change Over Sub	1.00			4007.00	
Recorder	0.00	8647	Inside	4007.00	
Recorder	0.00	8372	Outside	4007.00	
Drill Pipe	126.00			4133.00	
Change Over Sub	1.00			4134.00	
Perforations	5.00			4139.00	
Blank Off Sub	1.00			4140.00	
Packer - Shale	0.00			4140.00	
Stubb	1.00			4141.00	
Perforations	5.00			4146.00	
Recorder	0.00	8321	Below	4146.00	
Perforations	5.00			4151.00	
Change Over Sub	1.00			4152.00	
Drill Pipe	64.00			4216.00	
Change Over Sub	1.00			4217.00	
Bullnose	3.00			4220.00	215.00 Bottom Packers & Anchor
Total Tool Length:	243.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil Co., Inc.

9-1s-33w Rawlins,KS

PO Box 1019
Hays, KS 67601

Vap #1-9

Job Ticket: 61072

DST#: 2

ATTN: Marc Dow ning

Test Start: 2015.02.11 @ 19:32:00

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: 50.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	100%mud	0.155

Total Length: 30.00 ft Total Volume: 0.155 bbl

Num Fluid Samples: 0

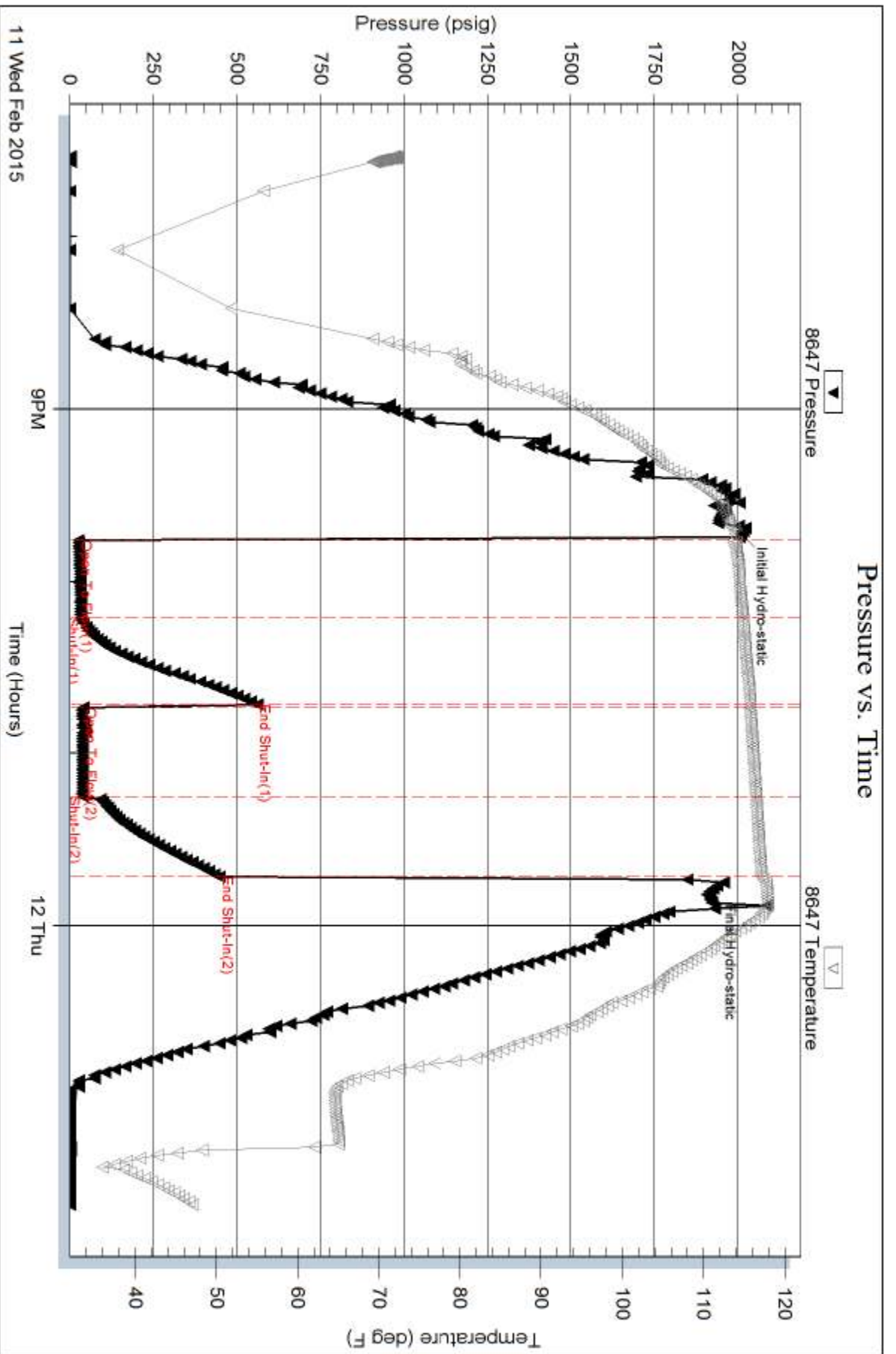
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

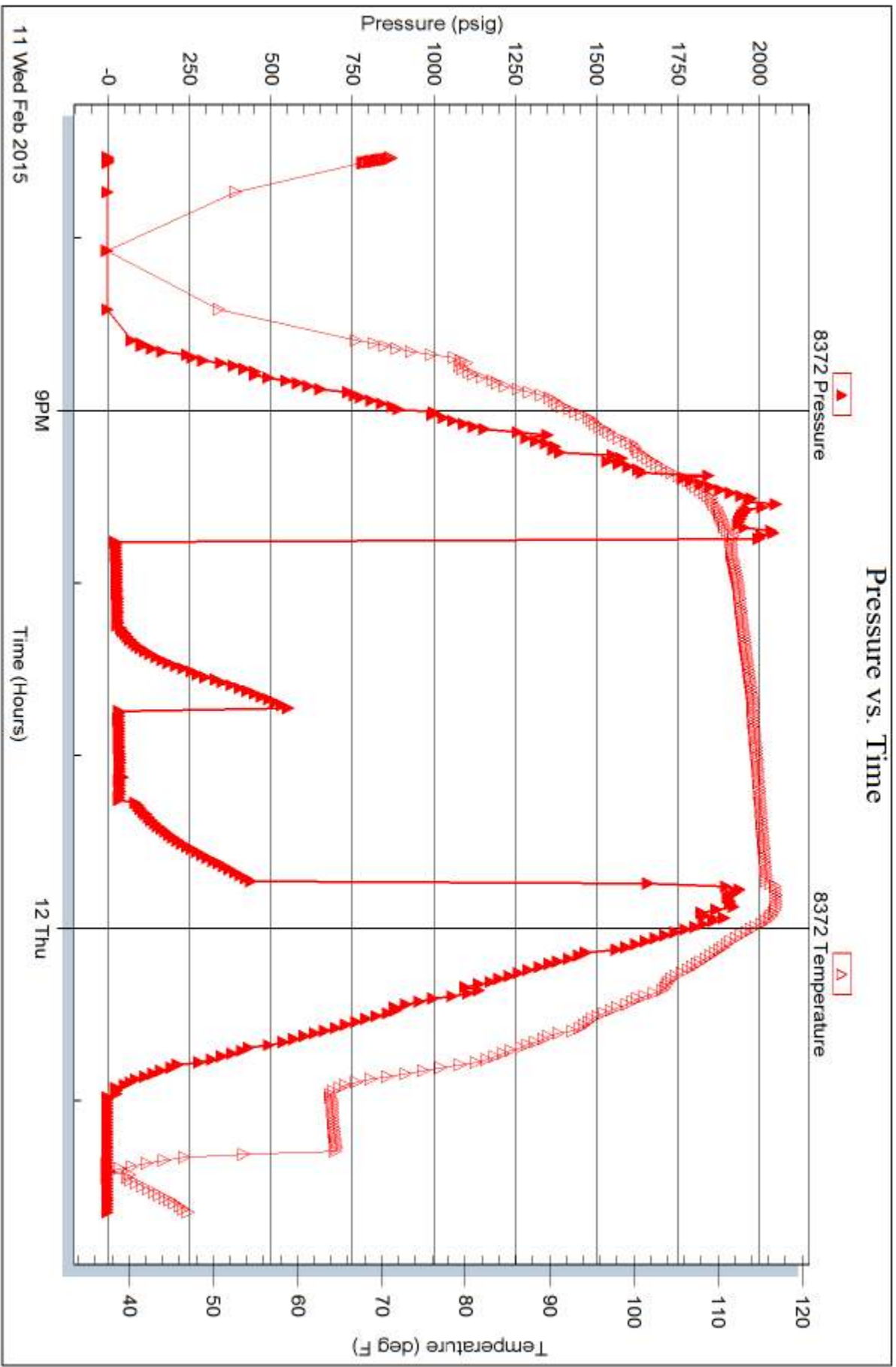


Serial #: 8372

Outside Dow n/g-Nelson Oil Co., Inc.

Vap #1-9

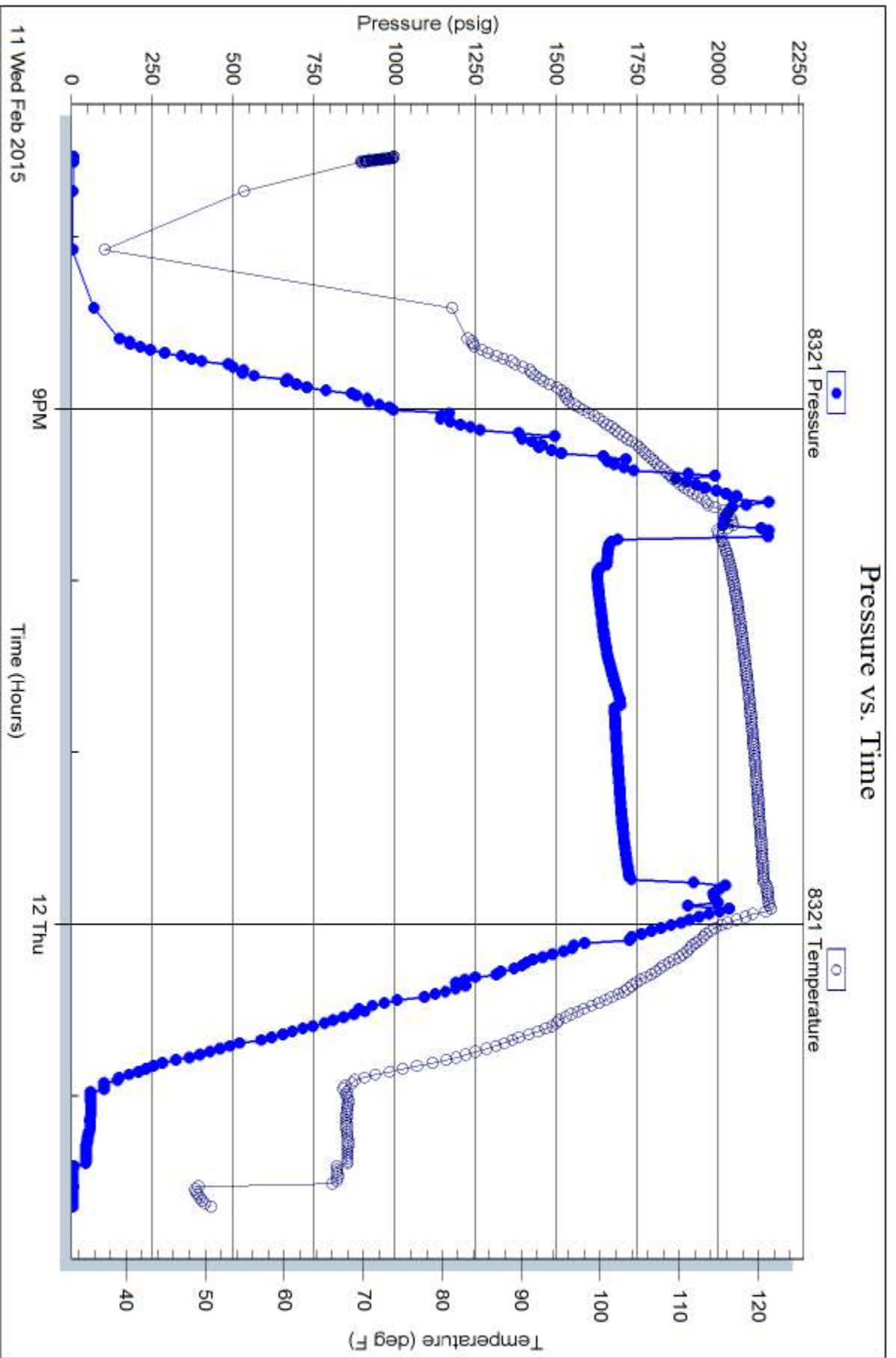
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 61072

Printed: 2015.02.12 @ 10:52:31





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 61071

4/10

Well Name & No. Vap # 1-9 Test No. 1 Date 2-10-15
 Company Downing-Nelson Oil Co., Inc. Elevation 2949 KB 2941 GL
 Address P.O. Box 1019 Hays, KS 67601
 Co. Rep / Geo. Marc Downing Rig Discovery #1
 Location: Sec. 9 Twp. 1st Rge. 33W Co. Rawlins State KS

Interval Tested 3913 - 3966 Zone Tested LKC "B"
 Anchor Length 53' Drill Pipe Run 3886 Mud Wt. 8.8
 Top Packer Depth 3908 Drill Collars Run 29.22 Vis 48
 Bottom Packer Depth 3913 Wt. Pipe Run — WL 8.8
 Total Depth 3966 Chlorides 500 ppm System LCM 2
 Blow Description IF - Opened w/ surface blow, built to 1"
ISI - No Return
FF - Blow built to 1"
FSI - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>35</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 35 BHT 116 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1915 Test 1050 T-On Location 5:14 AM
 (B) First Initial Flow 20 Jars 250 T-Started 6:25 AM
 (C) First Final Flow 30 Safety Joint 75 T-Open 9:20 AM
 (D) Initial Shut-In 1018 Circ Sub _____ T-Pulled 11:20 AM
 (E) Second Initial Flow 32 Hourly Standby _____ T-Out 1:01 PM
 (F) Second Final Flow 37 Mileage 82 R.T. 82 Comments _____
 (G) Final Shut-In 956 Sampler _____
 (H) Final Hydrostatic 1881 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1457

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

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1457
 MP/DST Disc't _____

Approved By _____

Our Representative Bud Oitz

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. **61072**

4/10

Well Name & No. <u>Vap #1-9</u>	Test No. <u>2</u>	Date <u>2-11-15</u>
Company <u>Downing-Nelson Oil Co., Inc.</u>	Elevation <u>2949</u>	KB <u>2941</u> GL
Address <u>P.O. Box 1019 Hays, KS 67601</u>		
Co. Rep / Geo. <u>Marc Downing</u>	Rig <u>Discovery #1</u>	
Location: Sec. <u>9</u> Twp. <u>1N</u> Rge. <u>33W</u>	Co. <u>Rawlins</u>	State <u>KS</u>

Interval Tested <u>4005-4139</u>	Zone Tested <u>LKC "D-E"</u>
Anchor Length <u>134' Anchor</u>	Drill Pipe Run <u>3953</u> Mud Wt. <u>9.2</u>
Top Packer Depth <u>4000</u>	Drill Collars Run <u>29.22</u> Vis <u>50</u>
Bottom Packer Depth <u>4605</u>	Wt. Pipe Run <u>—</u> WL <u>8.8</u>
Total Depth <u>4218</u>	Chlorides <u>500</u> ppm System LCM <u>1 1/2</u>
Blow Description <u>IF- Opened w/ surface blow, built to 3/4"</u>	
<u>ISI- No Return</u>	
<u>FF- No Blow</u>	
<u>FBI- No Return</u>	

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</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 <u>30</u>	BHT <u>117</u>	Gravity	API RW	@	F	Chlorides	ppm
(A) Initial Hydrostatic <u>2007</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>6:59 PM</u>					
(B) First Initial Flow <u>26</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>7:32 PM</u>					
(C) First Final Flow <u>33</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>9:47 PM</u>					
(D) Initial Shut-In <u>560</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>11:47 PM</u>					
(E) Second Initial Flow <u>40</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1:41 AM</u>					
(F) Second Final Flow <u>38</u>	<input checked="" type="checkbox"/> Mileage <u>82 R.T. 82</u>	Comments					
(G) Final Shut-In <u>448</u>	<input type="checkbox"/> Sampler						
(H) Final Hydrostatic <u>1913</u>	<input checked="" type="checkbox"/> Straddle <u>x1 600</u>	<input type="checkbox"/> Ruined Shale Packer					
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer					
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies					
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>200</u>					
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby <u>1d 6h</u>	Total <u>2357</u>					
Final Shut-In <u>30</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't					
	Sub Total <u>2157</u>						

Approved By _____

Our Representative Bnd BT

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.

