



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1227933
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
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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: _____



1227933

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
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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				

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	Albers BB Unit 1-11
Doc ID	1227933

Tops

Name	Top	Datum
Top Anhydrite	1648'	+716
Base Anhydrite	1684'	+680
Heebner	3769'	-1404
LKC	3814'	-1450
BKC	4087'	-1723
Pawnee	4178'	-1814
Fort Scott	4272'	-1908
Cherokee Shale	4288'	-1924
Mississippi Warsaw	4376'	-2012
Mississippi Osage	4386'	-2022

ALLIED OIL & GAS SERVICES, LLC

Federal Tax I.D. # 20-8651475

063983

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

SERVICE POINT:
Great Bend KS

DATE <u>09-16-14</u>	SEC. <u>11</u>	TWP. <u>17</u>	RANGE <u>22</u>	CALLED OUT	ON LOCATION <u>9:30 PM</u>	JOB START <u>9:30 PM</u>	JOB FINISH <u>10:00 PM</u>
<u>AIBERS</u>	WELL# <u>1-11</u>	LOCATION <u>Brownell 1/2 west to ARD</u>			COUNTY <u>Dess</u>	STATE <u>KS</u>	
LEASE <u>BRUNNIT</u>				OLD OR <u>NEW</u> (Circle one)			
				<u>4 South East into 1 1/2 m</u>			

CONTRACTOR Discovery 3
TYPE OF JOB Surface
HOLE SIZE 12 1/8 T.D. 221
CASING SIZE 8 5/8 DEPTH 220.96
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. Fifteen feet
PERFS.
DISPLACEMENT 13.11 BBLs H2O

EQUIPMENT
PUMP TRUCK CEMENTER Kevin Eddy
366 HELPER Brian Lang
BULK TRUCK
271/112 DRIVER DAN CASPER
BULK TRUCK
DRIVER

REMARKS:

Arrived on location, safety meeting, Rig up - Rig Ran 280ft of casing. Brake circ in Rig mud. Ran 5 BBLs Ahead H2O mixed 150 SXS CLASS A 3% CC 2% Gel Displaced 13.11 BBLs H2O. Shut in cement did @ circ

CHARGE TO: _____
STREET _____
CITY _____ STATE _____ ZIP _____

THANK YOU

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 GALEN GASCHLER

SIGNATURE Galen Gaschler

OWNER
CEMENT
AMOUNT ORDERED 150 SXS CLASS A 3% CC
2% Gel
COMMON 150 @ 17.90 2,685.00
POZMIX @
GEL 300 @ .50 150.00
CHLORIDE 423 @ 1.10 465.30
ASC @
Materials Total 3,300.30
Disc 20% 660.06
Service @
HANDLING 162.50 @ 2.98 483.90
MILEAGE 7.41 x 25 x 2.75 509.75

DEPTH OF JOB 220.96
PUMP TRUCK CHARGE 1512.35
EXTRA FOOTAGE @
MILEAGE HUM 25 @ 7.70 192.50
MANIFOLD @
LUM 25 @ 4.40 110.00

TOTAL 2,727.18
Disc 20% 545.44
PLUG & FLOAT EQUIPMENT

SALES TAX (If Any) _____
TOTAL CHARGES 6,027.42
DISCOUNT 20% 1,205.00 (20/20/0)
IF PAID IN 30 DAYS
4,821.99

% TOTAL 0

ALLIED OIL & GAS SERVICES, LLC 063725

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:
great Bend

9-23-14 DATE	SEC. 11	TWP. 17	RANGE 22	CALLED OUT	ON LOCATION 4:30 pm	JOB START 8:00 pm	JOB FINISH 9:00 pm
alton LEASE 88	WELL # 1-11		LOCATION Brownell AA Rd 45 E date		COUNTY New	STATE Ka	
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR Downing 3

TYPE OF JOB PTA

HOLE SIZE 7 7/8 TD. 4395

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 DEPTH 1680

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT H2O

OWNER _____

CEMENT
AMOUNT ORDERED 250 cu 60/40 4V gel
1/2 flo

EQUIPMENT

PUMP TRUCK CEMENTER Charles Kingon
366 HELPER Ben Newell

BULK TRUCK
610-170 DRIVER Kevin Zreighouse

BULK TRUCK
_____ DRIVER _____

COMMON	@	_____	_____
POZMIX	@	_____	_____
GEL	@	_____	_____
CHLORIDE	@	_____	_____
ASC	@	_____	_____
<u>250 cu 60/40+4</u>	@	<u>18.92</u>	<u>4730.00</u>
<u>1/2 flo</u>	@	<u>2.97</u>	<u>187.11</u>
	@	_____	_____
Materials Total			<u>4917.11</u>
Disc 25%			<u>1229.38</u>
	@	_____	_____
Service			_____
	@	_____	_____
HANDLING <u>26.73</u>	@	<u>2.48</u>	<u>661.47</u>
MILEAGE <u>11.21 x 25x</u>	@	<u>2.75</u>	<u>776.67</u>

REMARKS:

1st plug @ 1680' pump 10 BBI H2O mix 50
cu displac 3.5 BBI H2O @ 17.15 mud
2nd plug @ 990' pump 10 BBI H2O mix 80
cu displac 3.5 BBI H2O @ 5.39 mud
3rd plug @ 240' mix 50 cu
4th plug @ 60' mix 20 cu
plug Rat hole 30 cu
plug Mouse hole 20 cu

DEPTH OF JOB 1680'

PUMP TRUCK CHARGE _____ 1512.25

EXTRA FOOTAGE @ _____

MILEAGE Hum 25 @ 7.70 192.50

MANIFOLD @ _____

Hum 25 @ 4.40 110.00

CHARGE TO: Downing Nelson

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL 3246.93
Disc 25% 811.73

PLUG & FLOAT EQUIPMENT

_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____

Disc 0% TOTAL 0

Thank you!

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.

SALES TAX (If Any) _____

TOTAL CHARGES 8164.04

DISCOUNT ^{25%} 2041.01 (25/25/0) IF PAID IN 30 DAYS

PRINTED NAME K GALEN GASCHNER

SIGNATURE K Galen Gaschner

6123.03



DRILL STEM TEST REPORT

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

P.O. Box 1019
Hays, KS 67601

ATTN: Ron Nelson

Albers BB Unit #1-11

11-17s-22w Ness,KS

Start Date: 2014.09.21 @ 17:53:00

End Date: 2014.09.22 @ 01:34:30

Job Ticket #: 58745 DST #: 1

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

Printed: 2014.09.24 @ 09:35:26



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co. Inc

11-17s-22w Ness,KS

P.O. Box 1019
Hays, KS 67601

Albers BB Unit #1-11

ATTN: Ron Nelson

Job Ticket: 58745

DST#: 1

Test Start: 2014.09.21 @ 17:53:00

GENERAL INFORMATION:

Formation: **Fort Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:34:30

Time Test Ended: 01:34:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Phillip Gage

Unit No: 70

Interval: 4246.00 ft (KB) To 4300.00 ft (KB) (TVD)

Reference Elevations: 2364.00 ft (KB)

Total Depth: 4300.00 ft (KB) (TVD)

2356.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8700 Outside

Press@RunDepth: 45.75 psig @ 4247.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.21

End Date:

2014.09.22

Last Calib.:

2014.09.22

Start Time: 17:53:05

End Time:

01:34:29

Time On Btm:

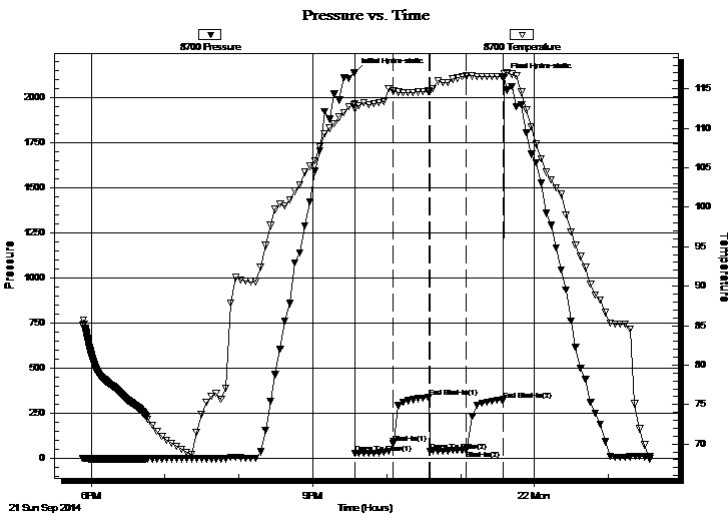
2014.09.21 @ 21:34:00

Time Off Btm:

2014.09.21 @ 23:35:30

TEST COMMENT: 30-IF-Built to 1 3/4"
30-ISI-No Return
30-FF-No Blow, Flushed Tool, Weak Surface Blow, Built to 1/4"
30-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2142.03	113.11	Initial Hydro-static
1	28.77	112.52	Open To Flow (1)
31	81.55	114.78	Shut-In(1)
60	339.54	114.71	End Shut-In(1)
61	41.00	114.68	Open To Flow (2)
91	45.75	116.66	Shut-In(2)
121	325.70	116.56	End Shut-In(2)
122	2114.37	116.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	M, w ith oil spots, 100% m	0.60

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

11-17s-22w Ness,KS

P.O. Box 1019
Hays, KS 67601

Albers BB Unit #1-11

Job Ticket: 58745

DST#: 1

ATTN: Ron Nelson

Test Start: 2014.09.21 @ 17:53:00

Tool Information

Drill Pipe:	Length: 4214.00 ft	Diameter: 3.80 inches	Volume: 59.11 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: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 59.26 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4246.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.00 ft			
Tool Length:	75.00 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			4226.00	
Shut In Tool	5.00			4231.00	
Hydraulic tool	5.00			4236.00	
Packer	5.00			4241.00	21.00 Bottom Of Top Packer
Packer	5.00			4246.00	
Stubb	1.00			4247.00	
Recorder	0.00	8018	Inside	4247.00	
Recorder	0.00	8700	Outside	4247.00	
Perforations	17.00			4264.00	
Change Over Sub	1.00			4265.00	
Drill Pipe	31.00			4296.00	
Change Over Sub	1.00			4297.00	
Bullnose	3.00			4300.00	54.00 Bottom Packers & Anchor

Total Tool Length: 75.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing-Nelson Oil Co. Inc

11-17s-22w Ness, KS

P.O. Box 1019
Hays, KS 67601

Albers BB Unit #1-11

Job Ticket: 58745

DST#: 1

ATTN: Ron Nelson

Test Start: 2014.09.21 @ 17:53:00

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	M, with oil spots, 100% m	0.601

Total Length: 63.00 ft Total Volume: 0.601 bbl

Num Fluid Samples: 0

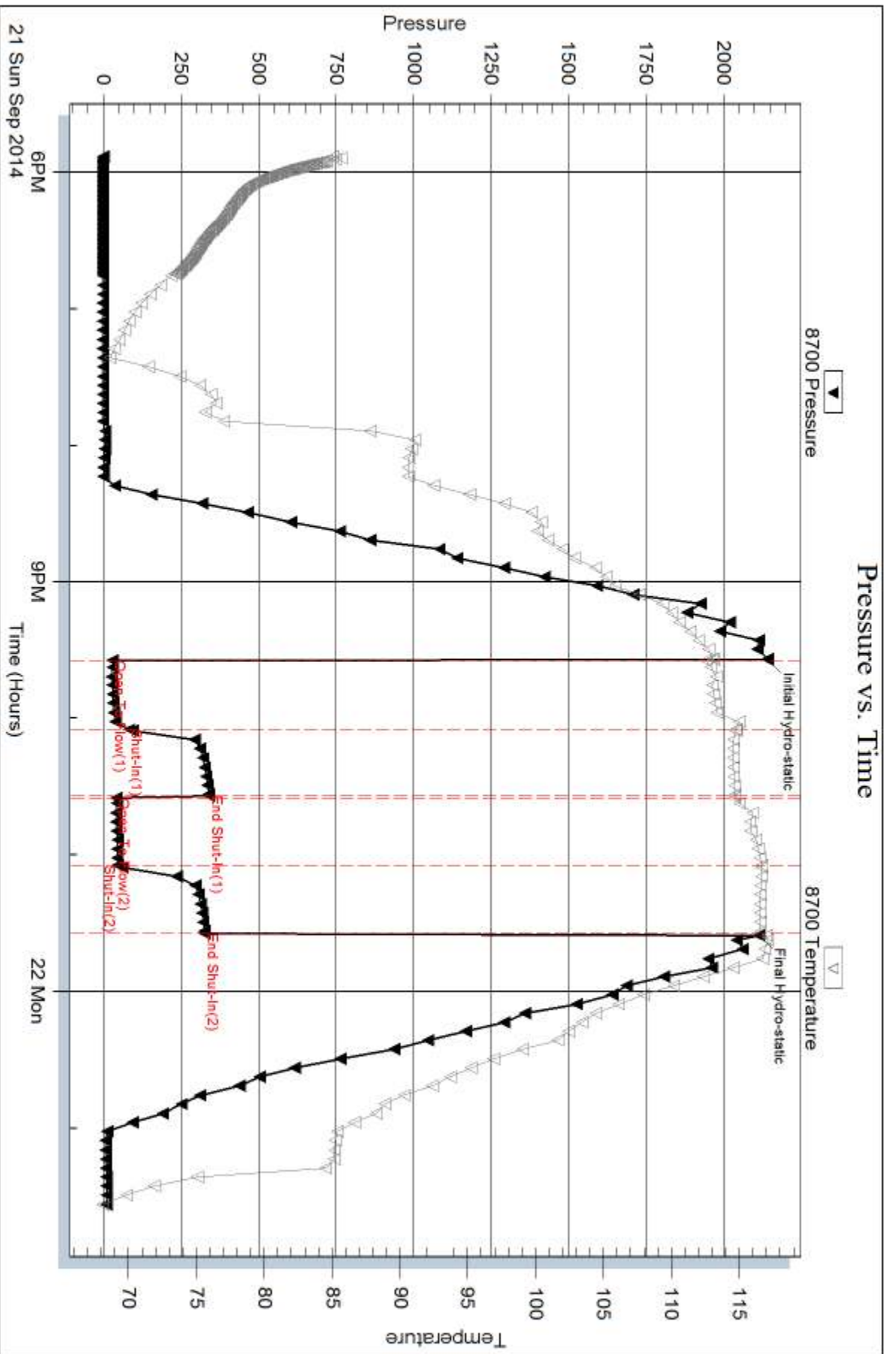
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



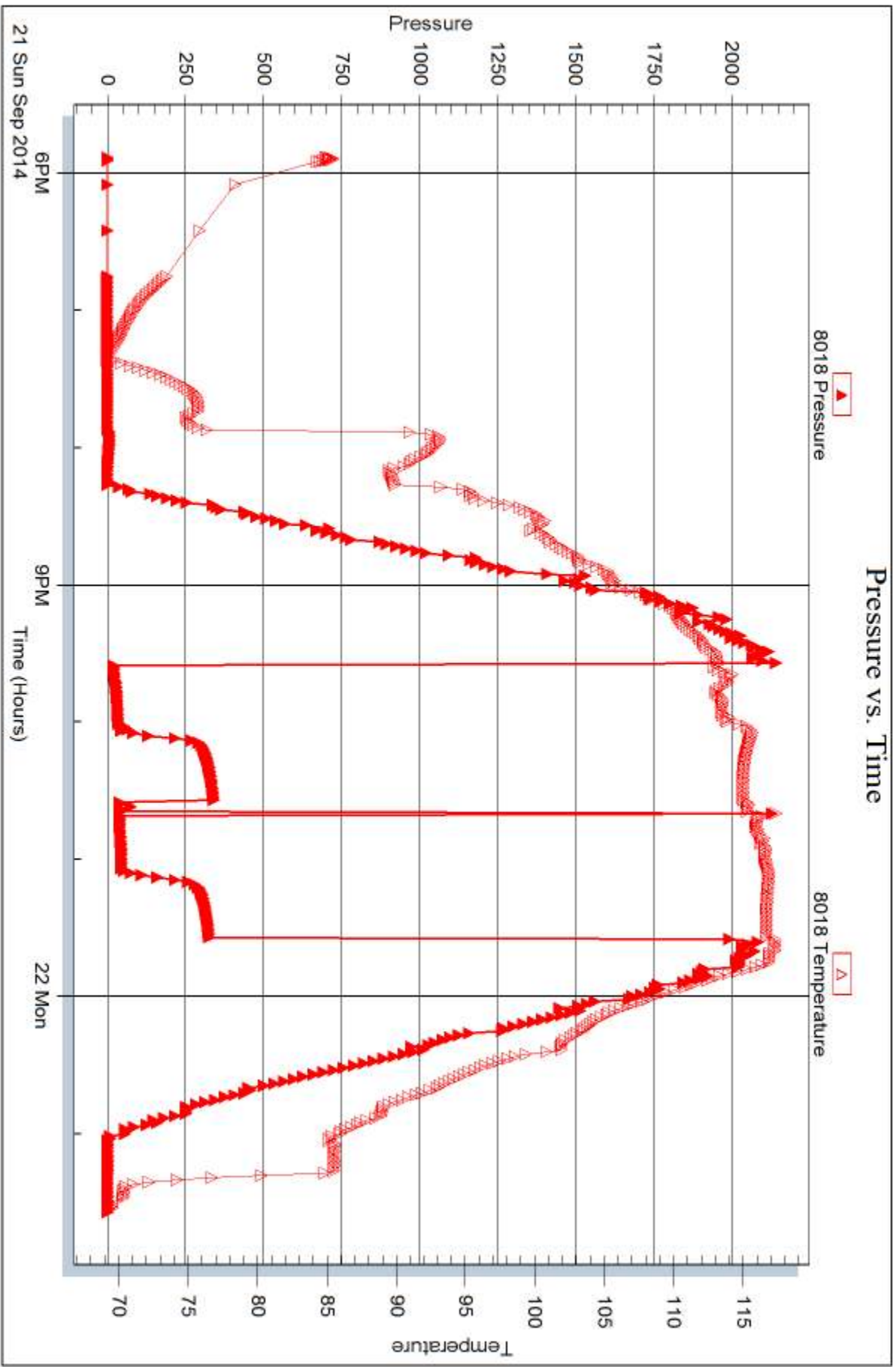
Serial #: 8018

Inside

Dow nrg-Nelson Oil Co. Inc

Abers BB Unit #1-11

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 58745

Printed: 2014.09.24 @ 09:35:27



DRILL STEM TEST REPORT

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

P.O. Box 1019
Hays, KS 67601

ATTN: Ron Nelson

Albers BB Unit #1-11

11-17s-22w Ness,KS

Start Date: 2014.09.22 @ 11:35:00

End Date: 2014.09.22 @ 19:53:30

Job Ticket #: 58746 DST #: 2

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

Printed: 2014.09.24 @ 09:35:06



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co. Inc

11-17s-22w Ness,KS

P.O. Box 1019
Hays, KS 67601

Albers BB Unit #1-11

ATTN: Ron Nelson

Job Ticket: 58746

DST#: 2

Test Start: 2014.09.22 @ 11:35:00

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:32:30

Time Test Ended: 19:53:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Phillip Gage

Unit No: 70

Interval: 4285.00 ft (KB) To 4385.00 ft (KB) (TVD)

Reference Elevations: 2364.00 ft (KB)

Total Depth: 4385.00 ft (KB) (TVD)

2356.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8700 Outside

Press@RunDepth: 111.25 psig @ 4286.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.22

End Date: 2014.09.22

Last Calib.: 2014.09.22

Start Time: 11:35:05

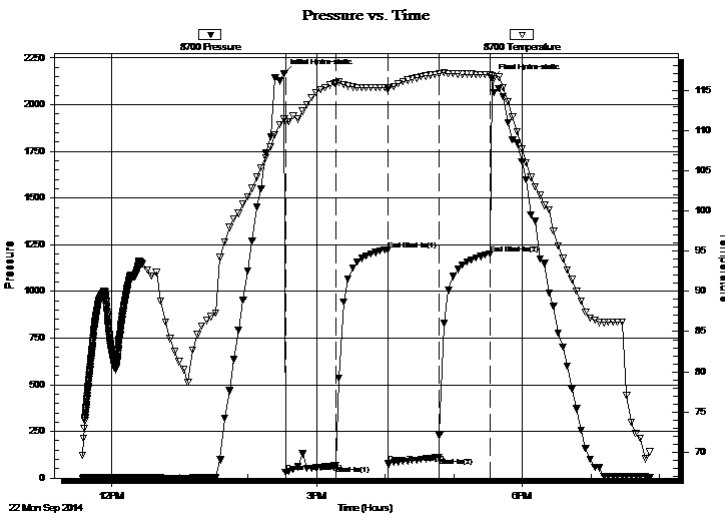
End Time: 19:53:29

Time On Btm: 2014.09.22 @ 14:31:30

Time Off Btm: 2014.09.22 @ 17:33:30

TEST COMMENT: 45-IF-Built to 9"
45-ISI-No Return
45-FF-Built to 6 1/2"
45-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2168.33	111.39	Initial Hydro-static
1	32.03	111.06	Open To Flow (1)
46	69.11	115.88	Shut-In(1)
91	1222.53	115.33	End Shut-In(1)
91	77.54	115.08	Open To Flow (2)
136	111.25	117.02	Shut-In(2)
181	1201.68	116.88	End Shut-In(2)
182	2140.55	116.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
126.00	V SOWCM, 1%o, 9%w, 90% m	1.49
63.00	V SOCM, 1%o, 99% m	0.88
15.00	O, 100%o	0.21

* 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

11-17s-22w Ness,KS

P.O. Box 1019
Hays, KS 67601

Albers BB Unit #1-11

Job Ticket: 58746

DST#: 2

ATTN: Ron Nelson

Test Start: 2014.09.22 @ 11:35:00

Tool Information

Drill Pipe:	Length: 4246.00 ft	Diameter: 3.80 inches	Volume: 59.56 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: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 64000.00 lb
			<u>Total Volume: 59.71 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4285.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	100.00 ft			
Tool Length:	121.00 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			4265.00	
Shut In Tool	5.00			4270.00	
Hydraulic tool	5.00			4275.00	
Packer	5.00			4280.00	21.00 Bottom Of Top Packer
Packer	5.00			4285.00	
Stubb	1.00			4286.00	
Recorder	0.00	8018	Inside	4286.00	
Recorder	0.00	8700	Outside	4286.00	
Perforations	31.00			4317.00	
Change Over Sub	1.00			4318.00	
Drill Pipe	63.00			4381.00	
Change Over Sub	1.00			4382.00	
Bullnose	3.00			4385.00	100.00 Bottom Packers & Anchor

Total Tool Length: 121.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing-Nelson Oil Co. Inc

11-17s-22w Ness,KS

P.O. Box 1019
Hays, KS 67601

Albers BB Unit #1-11

Job Ticket: 58746

DST#: 2

ATTN: Ron Nelson

Test Start: 2014.09.22 @ 11:35:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

40 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
126.00	VSOWCM, 1%o, 9%w, 90%m	1.485
63.00	VSOCM, 1%o, 99%m	0.884
15.00	O, 100%o	0.210

Total Length: 204.00 ft

Total Volume: 2.579 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

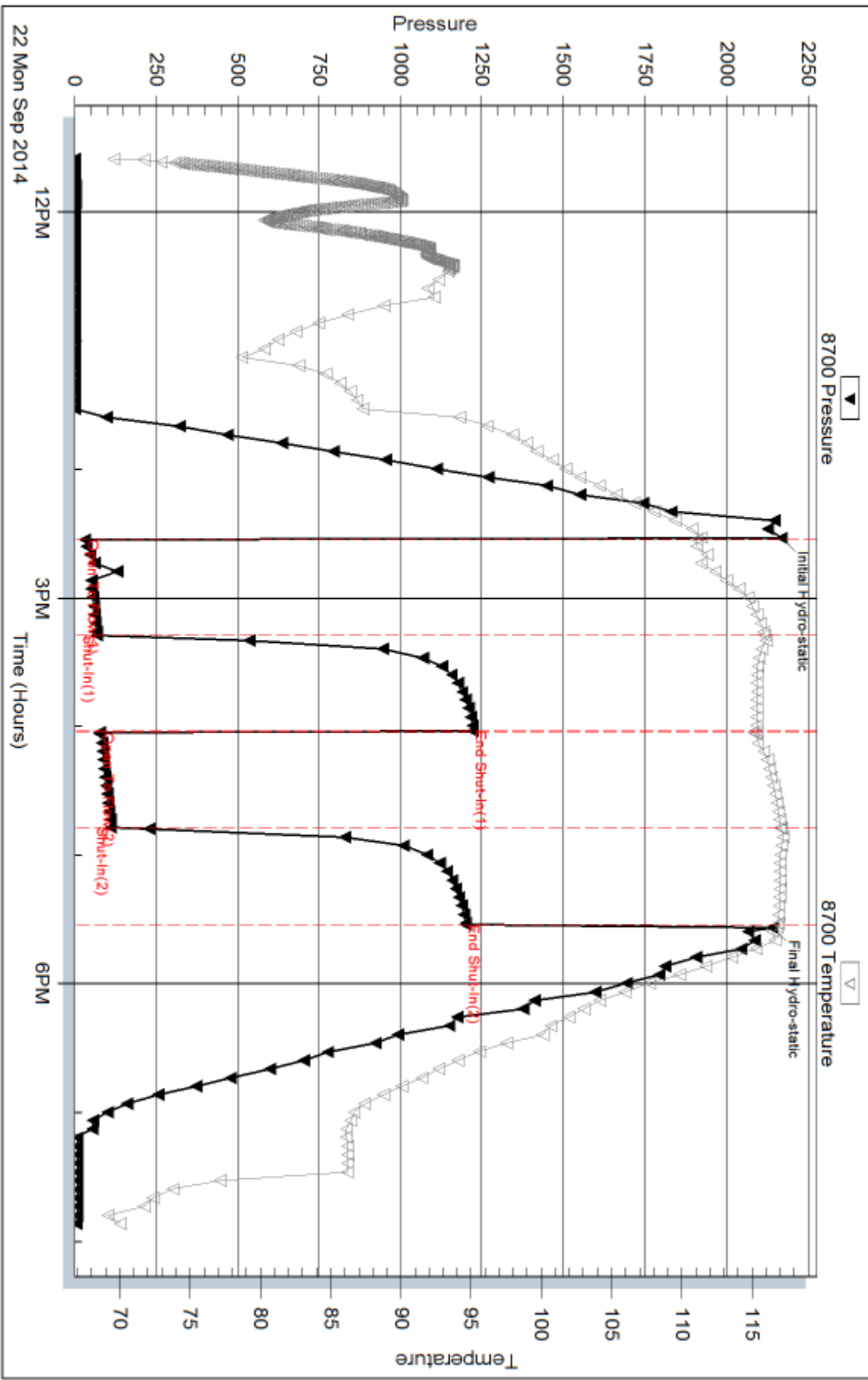
Serial #: 8700

Outside Dow nging-Nelson Oil Co. Inc

Albers BB Unit #1-11

DST Test Number: 2

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 58746

Printed: 2014.09.24 @ 09:35:07

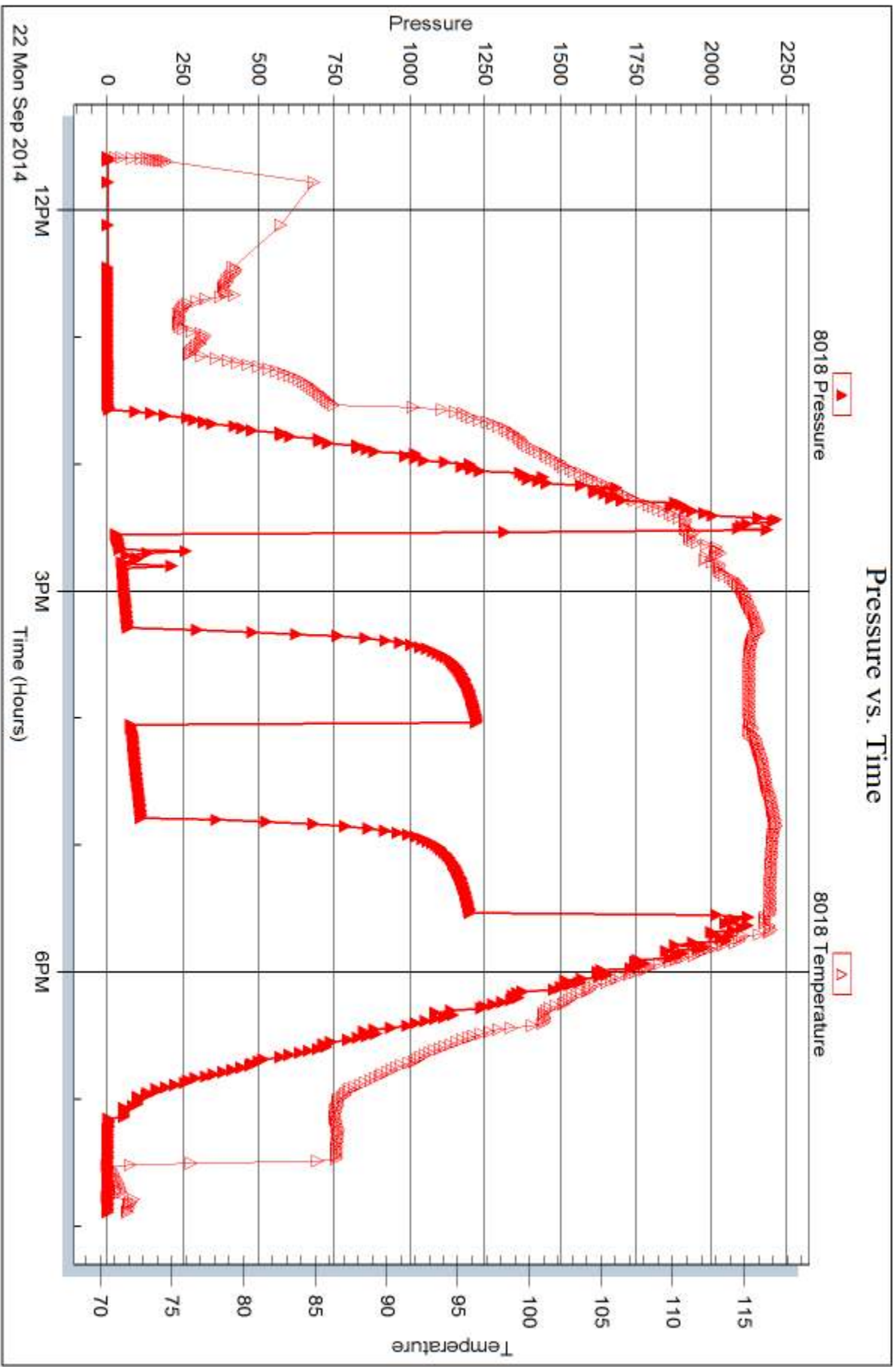
Serial #: 8018

Inside

Dow nrg-Nelson Oil Co. Inc

Abers BB Unit #1-11

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 58746

Printed: 2014.09.24 @ 09:35:07



DRILL STEM TEST REPORT

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

P.O. Box 1019
Hays, KS 67601

ATTN: Ron Nelson

Albers BB Unit #1-11

11-17s-22w Ness,KS

Start Date: 2014.09.23 @ 00:12:00

End Date: 2014.09.23 @ 04:07:30

Job Ticket #: 58747 DST #: 3

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

Printed: 2014.09.24 @ 09:34:45



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dow ning-Nelson Oil Co. Inc

11-17s-22w Ness,KS

P.O. Box 1019
Hays, KS 67601

Albers BB Unit #1-11

Job Ticket: 58747

DST#: 3

ATTN: Ron Nelson

Test Start: 2014.09.23 @ 00:12:00

Tool Information

Drill Pipe:	Length: 4341.00 ft	Diameter: 3.80 inches	Volume: 60.89 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: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: lb
			<u>Total Volume: 61.04 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial lb
Depth to Top Packer:	4383.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	33.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			4363.00	
Shut In Tool	5.00			4368.00	
Hydraulic tool	5.00			4373.00	
Packer	5.00			4378.00	21.00 Bottom Of Top Packer
Packer	5.00			4383.00	
Stubb	1.00			4384.00	
Recorder	0.00	8018	Inside	4384.00	
Recorder	0.00	8700	Outside	4384.00	
Perforations	8.00			4392.00	
Bullnose	3.00			4395.00	12.00 Bottom Packers & Anchor
Total Tool Length:	33.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing-Nelson Oil Co. Inc

11-17s-22w Ness,KS

P.O. Box 1019
Hays, KS 67601

Albers BB Unit #1-11

Job Ticket: 58747

DST#: 3

ATTN: Ron Nelson

Test Start: 2014.09.23 @ 00:12:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl

Total Length: ft

Total Volume: bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

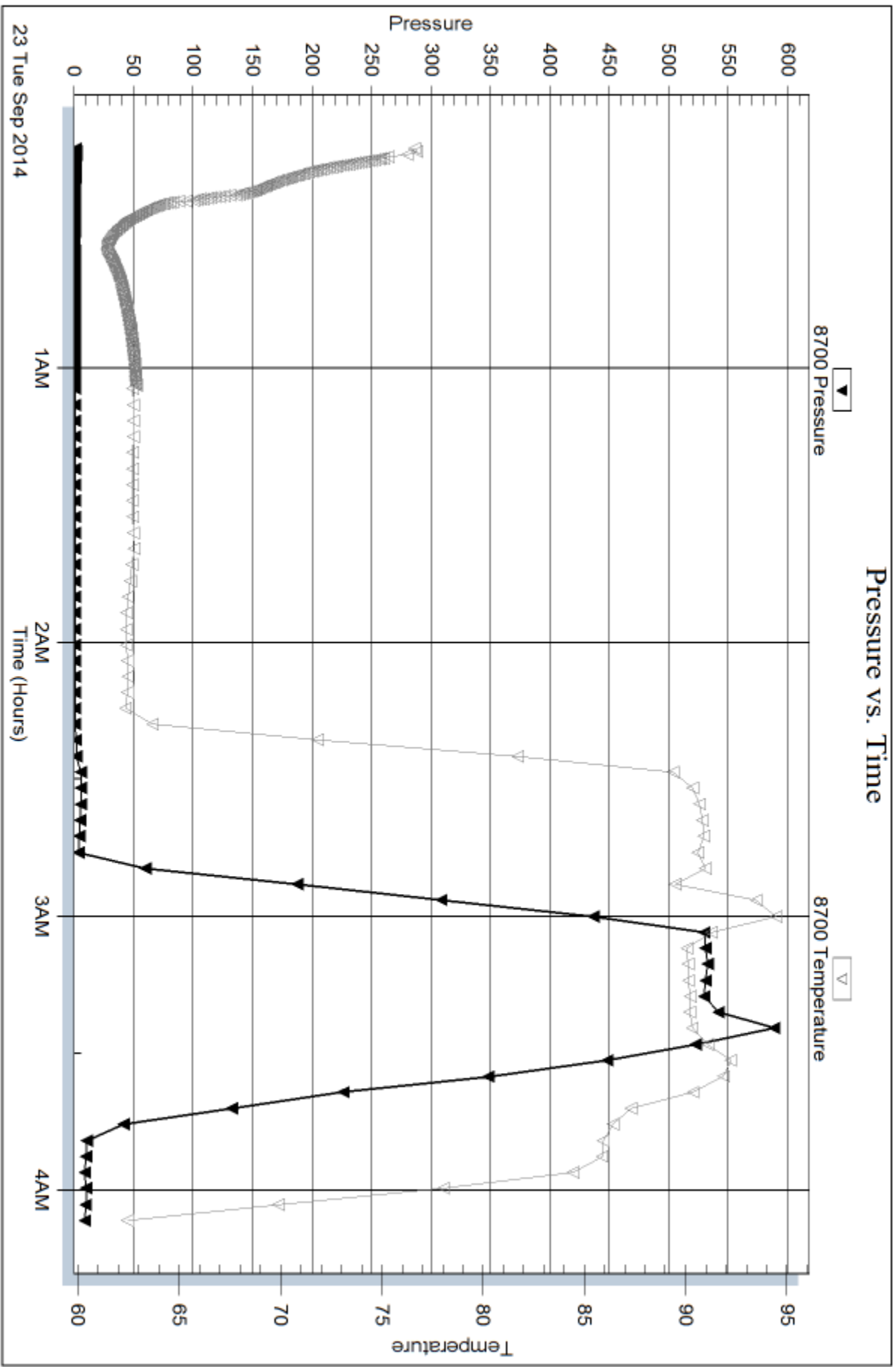
Recovery Comments:

Serial #: 8700

Outside Downing-Nelson Oil Co. Inc

Albers BB Unit #1-11

DST Test Number: 3

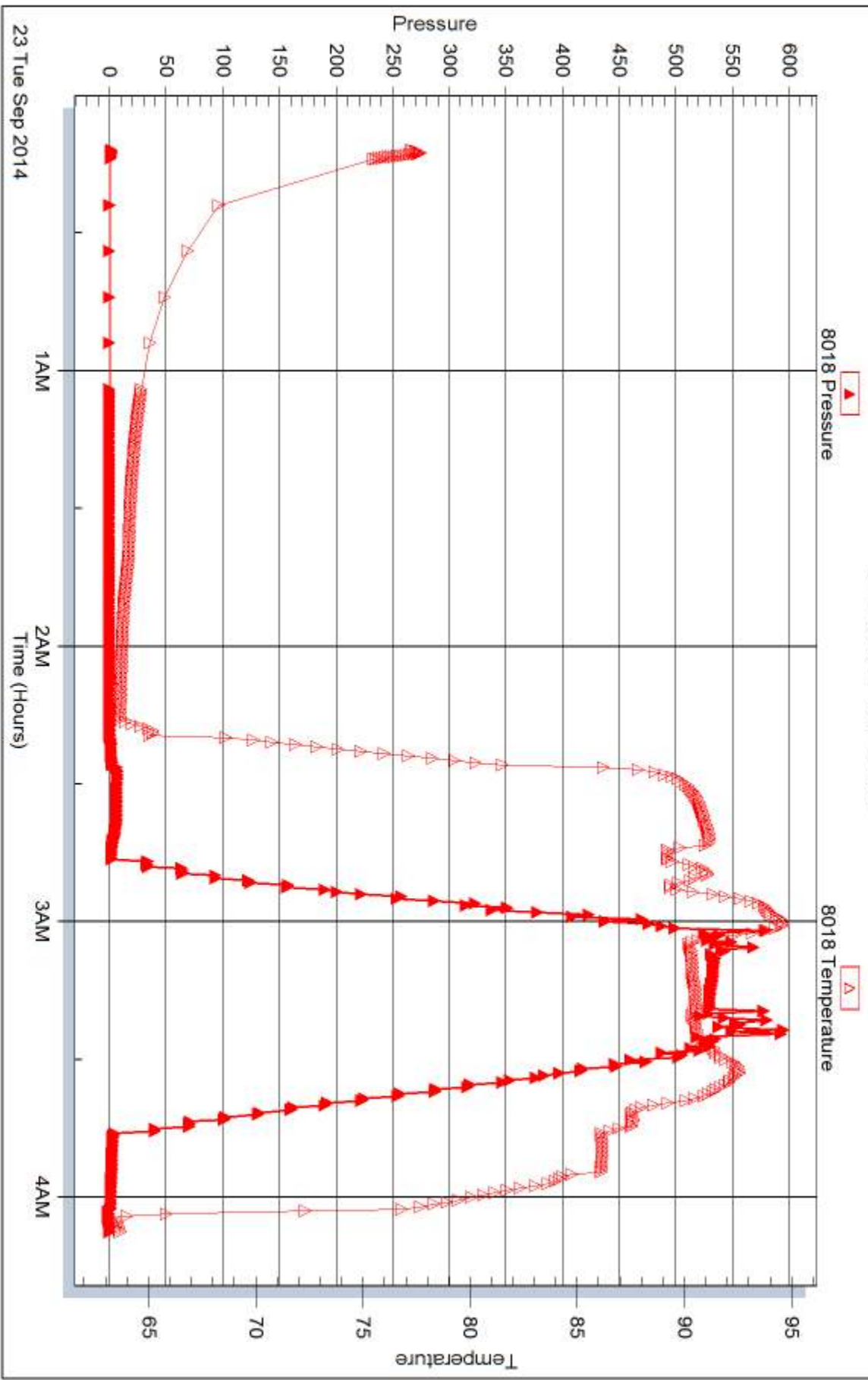


Triobite Testing, Inc

Ref. No: 58747

Printed: 2014.09.24 @ 09:34:46

Pressure vs. Time





DRILL STEM TEST REPORT

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

P.O. Box 1019
Hays, KS 67601

ATTN: Ron Nelson

Albers BB Unit #1-11

11-17s-22w Ness,KS

Start Date: 2014.09.23 @ 06:10:00

End Date: 2014.09.23 @ 14:00:30

Job Ticket #: 58749 DST #: 4

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

Printed: 2014.09.24 @ 09:34:06



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co. Inc

11-17s-22w Ness,KS

P.O. Box 1019
Hays, KS 67601

Albers BB Unit #1-11

ATTN: Ron Nelson

Job Ticket: 58749

DST#: 4

Test Start: 2014.09.23 @ 06:10:00

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:34:00

Time Test Ended: 14:00:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Phillip Gage

Unit No: 70

Interval: 4286.00 ft (KB) To 4395.00 ft (KB) (TVD)

Reference Elevations: 2364.00 ft (KB)

Total Depth: 4395.00 ft (KB) (TVD)

2356.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8700 Outside

Press@RunDepth: 195.22 psig @ 4287.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.23

End Date:

2014.09.23

Last Calib.:

2014.09.23

Start Time: 06:10:05

End Time:

14:00:29

Time On Btm:

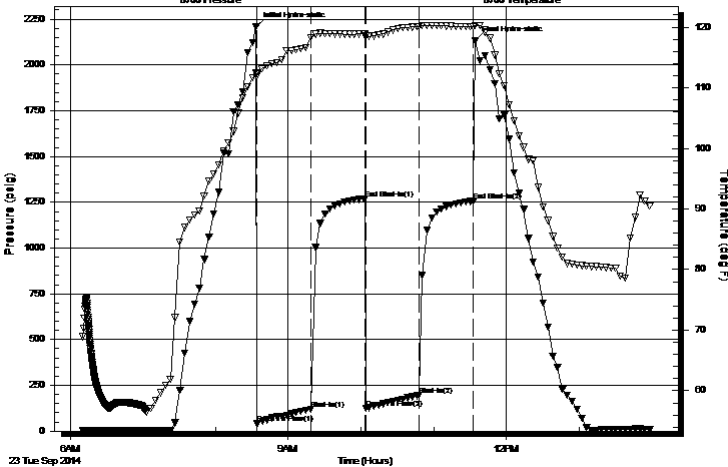
2014.09.23 @ 08:33:30

Time Off Btm:

2014.09.23 @ 11:34:30

TEST COMMENT: 45-IF-BOB in 27 mins.
45-ISI-No Return
45-FF-BOB in 34 mins.
45-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2210.89	112.52	Initial Hydro-static
1	43.08	111.84	Open To Flow (1)
45	119.18	118.30	Shut-In(1)
90	1269.59	118.87	End Shut-In(1)
91	124.58	118.54	Open To Flow (2)
135	195.22	120.05	Shut-In(2)
180	1257.84	120.09	End Shut-In(2)
181	2130.23	120.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	MW, 50%w, 50%w	0.60
126.00	WM, 30%w, 70%w	1.77
126.00	VSWCM, w ith oil spots, 5%w, 95%w	1.77
63.00	VSOCM, 1%o, 99%w	0.88
5.00	VSOCM, 5%o, 95%w	0.07

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

11-17s-22w Ness,KS

P.O. Box 1019
Hays, KS 67601

Albers BB Unit #1-11

Job Ticket: 58749

DST#: 4

ATTN: Ron Nelson

Test Start: 2014.09.23 @ 06:10:00

Tool Information

Drill Pipe:	Length: 4246.00 ft	Diameter: 3.80 inches	Volume: 59.56 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: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 66000.00 lb
			<u>Total Volume: 59.71 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4286.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	109.00 ft			
Tool Length:	130.00 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			4266.00	
Shut In Tool	5.00			4271.00	
Hydraulic tool	5.00			4276.00	
Packer	5.00			4281.00	21.00 Bottom Of Top Packer
Packer	5.00			4286.00	
Stubb	1.00			4287.00	
Recorder	0.00	8018	Inside	4287.00	
Recorder	0.00	8700	Outside	4287.00	
Perforations	5.00			4292.00	
Change Over Sub	1.00			4293.00	
Drill Pipe	63.00			4356.00	
Change Over Sub	1.00			4357.00	
Perforations	35.00			4392.00	
Bullnose	3.00			4395.00	109.00 Bottom Packers & Anchor

Total Tool Length: 130.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing-Nelson Oil Co. Inc

11-17s-22w Ness,KS

P.O. Box 1019
Hays, KS 67601

Albers BB Unit #1-11

Job Ticket: 58749

DST#: 4

ATTN: Ron Nelson

Test Start: 2014.09.23 @ 06:10:00

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:

30000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
63.00	MW, 50% <i>m</i> , 50% <i>w</i>	0.601
126.00	WM, 30% <i>w</i> , 70% <i>m</i>	1.767
126.00	VSWCM, with oil spots, 5% <i>w</i> , 95% <i>m</i>	1.767
63.00	VSOCM, 1% <i>o</i> , 99% <i>m</i>	0.884
5.00	VSOCM, 5% <i>o</i> , 95% <i>m</i>	0.070

Total Length: 383.00 ft Total Volume: 5.089 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

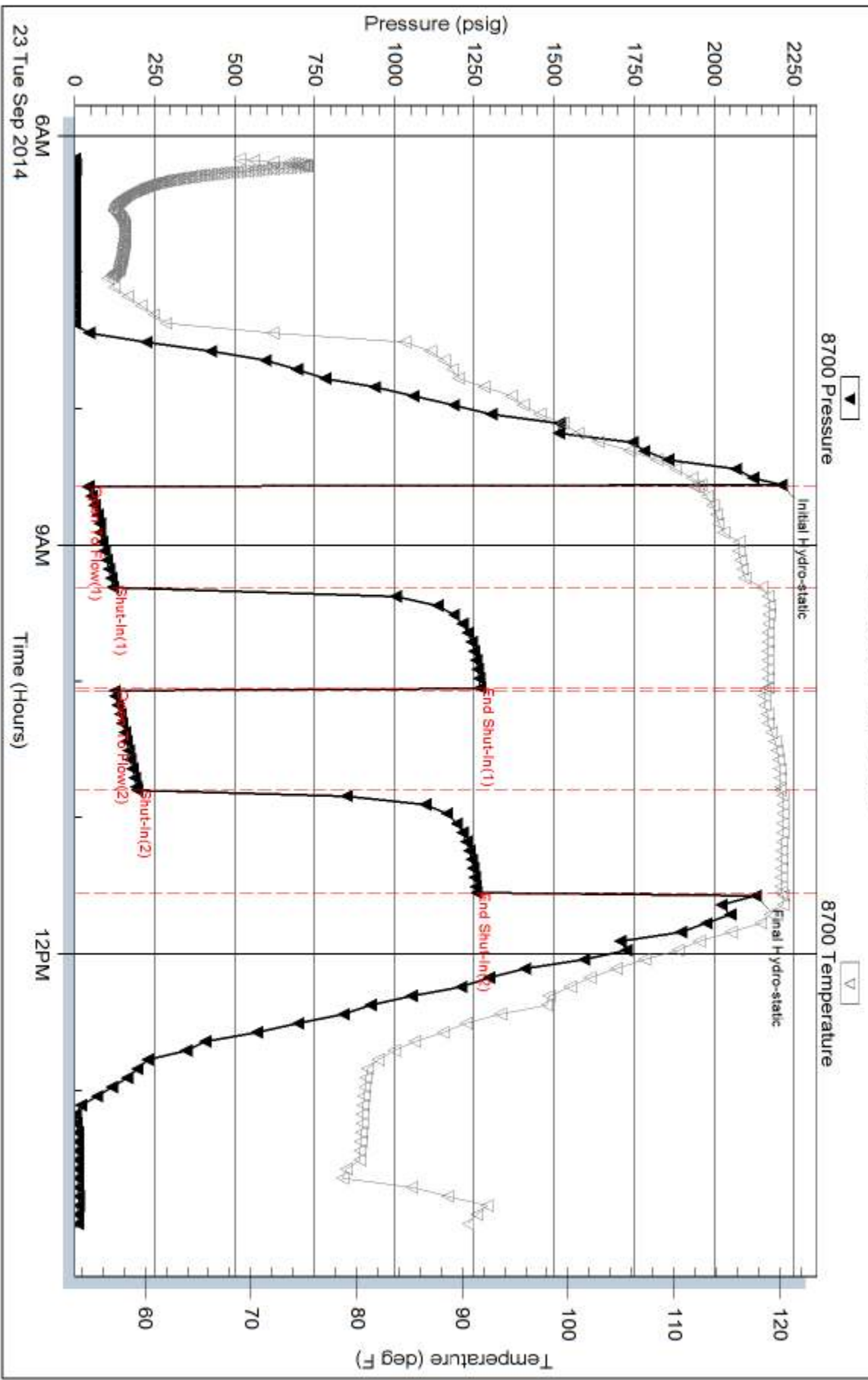
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .22 @ 80 degrees = 30,000 Salinity

Pressure vs. Time



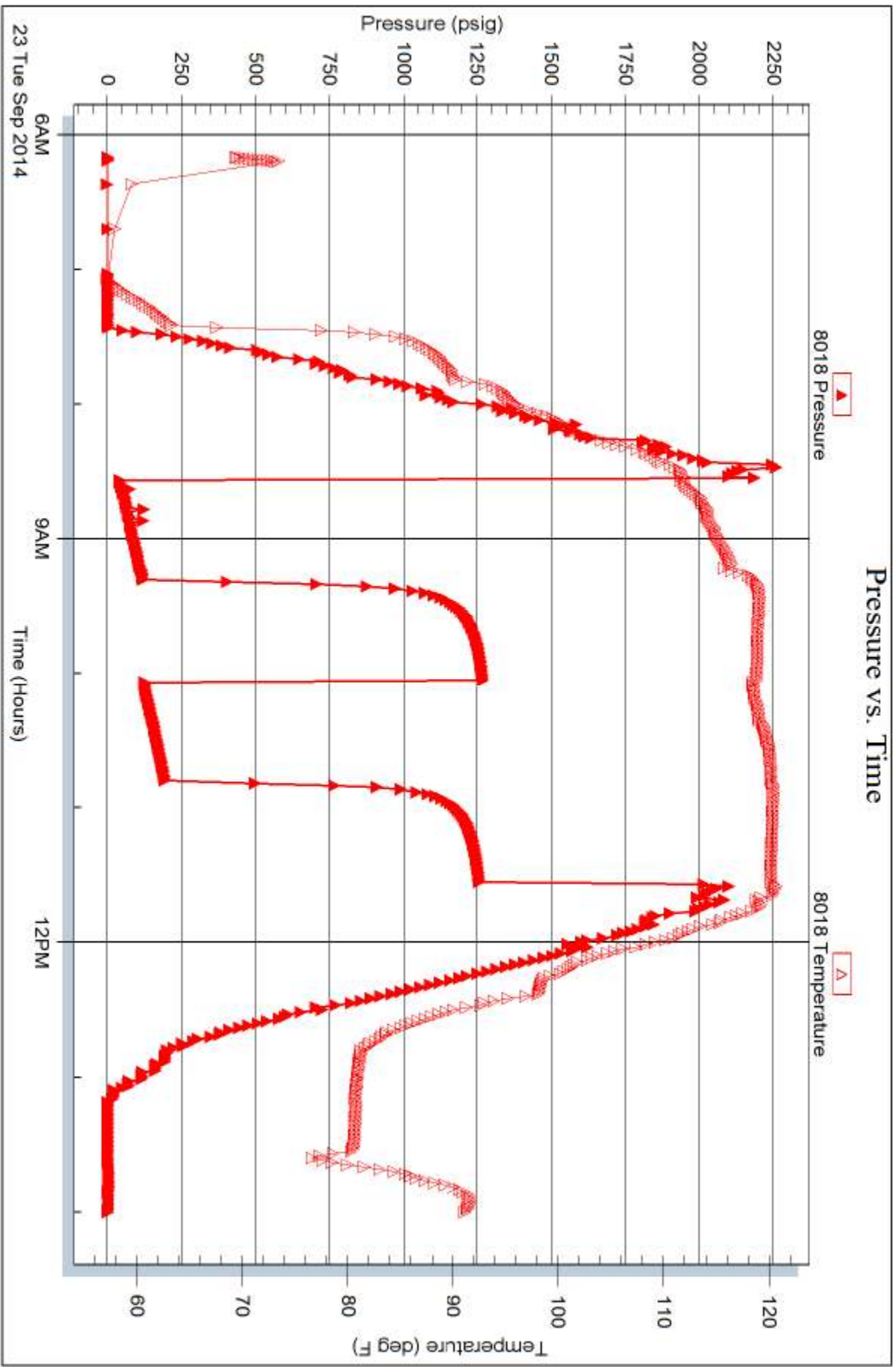
Serial #: 8018

Inside

Dow n/g-Nelson Oil Co. Inc

Abers BB Unit #1-11

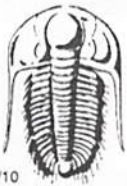
DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 58749

Printed: 2014.09.24 @ 09:34:07



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58745

4/10

Well Name & No. Albers BB Unit #1-11 Test No. 1 Date 9-21-14
 Company Downing-Nelson Oil Co. Inc. Elevation 2364 KB 2356 GL
 Address P.O. Box 1019 Hays, KS 67601
 Co. Rep / Geo. Ron Nelson Rig Discovery Rig 3
 Location: Sec. 11 Twp. 17s Rge. 22w Co. Ness State KS

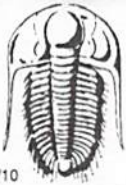
Interval Tested 4246-4300 Zone Tested Fort Scott
 Anchor Length 54' Drill Pipe Run 4214 Mud Wt. 9.2
 Top Packer Depth 4241 Drill Collars Run 31 Vis 52
 Bottom Packer Depth 4246 Wt. Pipe Run 0 WL 8.8
 Total Depth 4300 Chlorides 4,000 ppm System LCM 1#

Blow Description IF Bunt to 13/4"
ISE No Return
FF No Blow, Flushed Tool, Weak Surface Blow, Bunt to 1/4"
ISE No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>63'</u>	<u>M₂ with oil spots</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 63' BHT 116 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm
 (A) Initial Hydrostatic 2,142 Test 1250 T-On Location 16:10
 (B) First Initial Flow 28 Jars _____ T-Started 17:53
 (C) First Final Flow 81 Safety Joint _____ T-Open 21:35
 (D) Initial Shut-In 339 Circ Sub _____ T-Pulled 23:35
 (E) Second Initial Flow 41 Hourly Standby _____ T-Out 01:35
 (F) Second Final Flow 45 Mileage 94 RT 145.70 Comments _____
 (G) Final Shut-In 325 Sampler _____
 (H) Final Hydrostatic 2,114 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1395.70
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 30 Sub Total 1395.70

Approved By _____ Our Representative Mike George Thank You!
 Trilobite Testing Inc. shall not be liable for damaged or 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. 58746

4/10

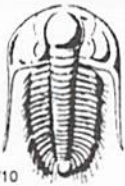
Well Name & No. Albers BB Unit #1-11 Test No. 2 Date 9-22-14
 Company Downing Nelson Oil Co. Inc. Elevation 2364 KB 2356 GL
 Address P.O. BOX 1014 Hays, KS 67601
 Co. Rep / Geo. Ron Nelson Rig Discovery Rig 3
 Location: Sec. 11 Twp. 17s Rge. 22w Co. Ness State KS

Interval Tested 4285-4385 Zone Tested Miss.
 Anchor Length 100' Drill Pipe Run 4246 Mud Wt. 9.2
 Top Packer Depth 4280 Drill Collars Run 31 Vis 52
 Bottom Packer Depth 4285 Wt. Pipe Run 0 WL 8.8
 Total Depth 4385 Chlorides 4,000 ppm System LCM 1#
 Blow Description IF- Buds to 9"
ISI- No Return,
FF- Buds to 6 1/2"
FSI- No Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>126'</u>	<u>VSOWCM</u>		<u>1</u>	<u>9</u>	<u>90</u>
<u>63'</u>	<u>VSOCM</u>		<u>1</u>		<u>99</u>
<u>15'</u>	<u>0</u>		<u>100</u>		

Rec Total 204 BHT 116 Gravity 40 API RW @ °F Chlorides _____ ppm
 (A) Initial Hydrostatic 2168 Test 1250 T-On Location 11:33
 (B) First Initial Flow 32 Jars _____ T-Started 11:35
 (C) First Final Flow 64 Safety Joint _____ T-Open 14:32
 (D) Initial Shut-In 1,222 Circ Sub _____ T-Pulled 17:32
 (E) Second Initial Flow 77 Hourly Standby _____ T-Out 19:54
 (F) Second Final Flow 111 Mileage 94 RT 145.70 Comments _____
 (G) Final Shut-In 1,201 Sampler _____
 (H) Final Hydrostatic 2,140 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Initial Open 45 Extra Packer _____ Extra Copies _____
 Initial Shut-In 45 Extra Recorder _____ Sub Total 0
 Final Flow 45 Day Standby _____ Total 1395.70
 Final Shut-In 45 Accessibility _____ MP/DST Disc't _____
 Sub Total 1395.70

Approved By _____ Our Representative Philp Hoge Thank You!
 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. 58747

4/10

Well Name & No. Albers BB Unit #1-11 Test No. 3 Date 9-23-14
 Company Downing Nelson Oil Co. Inc Elevation 2364 KB 2356 GL
 Address P.O. Box 1019 Hays, KS 67601
 Co. Rep / Geo. Ron Nelson Rig Discovery Rig 3
 Location: Sec. 11 Twp. 17s Rge. 22w Co. Ness State KS

Interval Tested 4383-4395 Zone Tested Miss
 Anchor Length 12' Drill Pipe Run 4341 Mud Wt. 9.4
 Top Packer Depth 4378 Drill Collars Run 31 Vis 51
 Bottom Packer Depth 4383 Wt. Pipe Run 0 WL 8.8
 Total Depth 4395 Chlorides 4500 ppm System LCM 2#

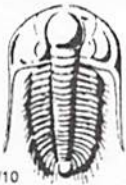
Blow Description IF-
ISI MIS RUN
FF-
FSI

Rec	Feet of	%gas	%oil	%water	%mud

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

(A) Initial Hydrostatic _____ Test 1050 T-On Location 00:08
 (B) First Initial Flow _____ Jars _____ T-Started 00:12
 (C) First Final Flow _____ Safety Joint _____ T-Open N/A
 (D) Initial Shut-In _____ Circ Sub _____ T-Pulled 03:27
 (E) Second Initial Flow _____ Hourly Standby _____ T-Out 04:08
 (F) Second Final Flow _____ Mileage 94 RT 145.70 Comments Mis Run, Hit
 (G) Final Shut-In _____ Sampler _____ Bridge at 1150'
 (H) Final Hydrostatic _____ Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open _____ Extra Recorder _____ Sub Total 0
 Initial Shut-In _____ Day Standby _____ Total 1195.70
 Final Flow _____ Accessibility _____ MP/DST Disc't _____
 Final Shut-In _____ Sub Total 1195.70

Approved By _____ Our Representative Phil Leg Thank You
 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. 58749

4/10

Well Name & No. Albers BB Unit #1-11 Test No. 4 Date 9-23-14
 Company Downing-Nelson Oil Co. Inc. Elevation 2364 KB 2356 GL
 Address P.O. Box 1019 Hays, KS 67601
 Co. Rep / Geo. Ron Nelson Rig Discovery Rig 3
 Location: Sec. 11 Twp. 17s Rge. 22w Co. Ness State KS

Interval Tested 4286-4395 Zone Tested Miss
 Anchor Length 109' Drill Pipe Run 4246 Mud Wt. 9.4
 Top Packer Depth 4281 Drill Collars Run 31 Vis 51
 Bottom Packer Depth 4286 Wt. Pipe Run 0 WL 8.8
 Total Depth 4395 Chlorides 4,500 ppm System LCM 1#

Blow Description IF- BOB in 27 mins
ISI- No Return
FF- BOB in 34 mins
FSI- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>63'</u>	<u>MW</u>			<u>50%</u>	<u>50%</u>
<u>126'</u>	<u>WM</u>			<u>30%</u>	<u>70%</u>
<u>126'</u>	<u>VSW com, oil spots</u>			<u>5%</u>	<u>95%</u>
<u>63'</u>	<u>VSO com</u>		<u>1%</u>		<u>99%</u>
<u>51'</u>	<u>VSO com</u>		<u>5%</u>		<u>95%</u>

Rec Total 383 BHT 120 Gravity ~ API RW 22 @ 80° F Chlorides 30,000 ppm

(A) Initial Hydrostatic 2,210 Test 1250 T-On Location 00:08
 (B) First Initial Flow 43 Jars _____ T-Started 06:10
 (C) First Final Flow 119 Safety Joint _____ T-Open 08:34
 (D) Initial Shut-In 1269 Circ Sub _____ T-Pulled 11:34
 (E) Second Initial Flow 124 Hourly Standby _____ T-Out 14:01
 (F) Second Final Flow 195 Mileage 947.2 145.70 Comments _____
 (G) Final Shut-In 1,257 Sampler _____
 (H) Final Hydrostatic 2,130 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____

Initial Open 45 Extra Packer _____ Extra Copies _____
 Initial Shut-In 45 Extra Recorder _____ Sub Total 0
 Final Flow 45 Day Standby _____ Total 1395.70
 Final Shut-In 45 Accessibility _____ MP/DST Disc't _____
 Sub Total 1395.70

Approved By _____ Our Representative Phil Ly Thank You!

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.

50

4100

50

4200

50

4200 - 4300

FAVINGE 12/14

ls ls with sicc. fossils, for
50% fossil vpr in ls.

ls mostly calc. - low vpr
mic. xpr. vpr in ls.

ls aa no app. ls.

ls aa

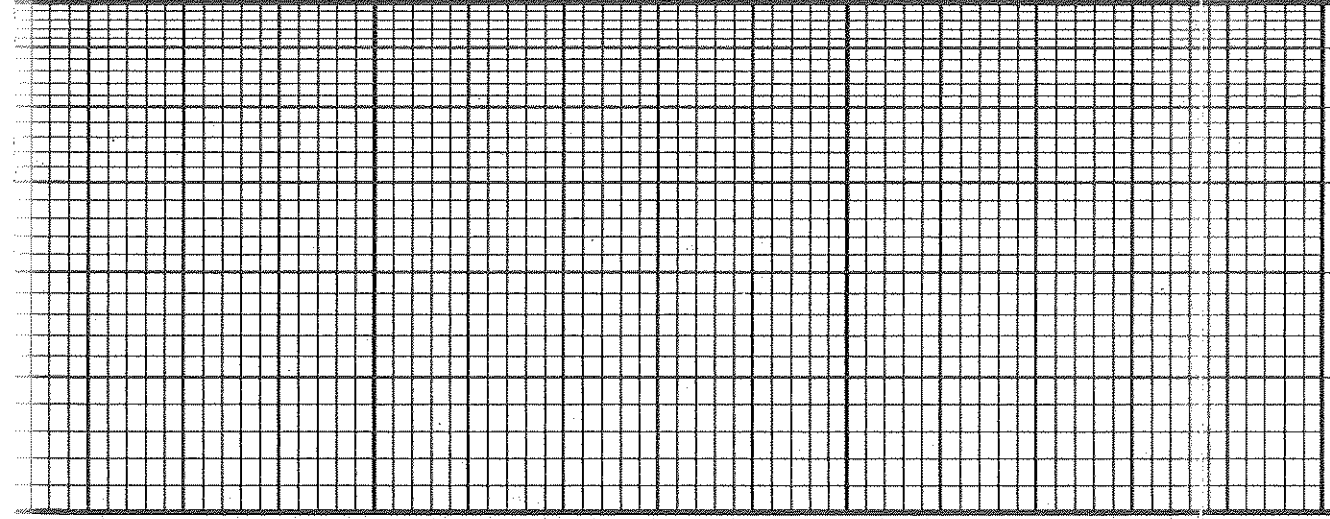
ls aa w/ dk gray mottled sh.

ls & shs aa

more shs aa - one gray loss
at top

DST #1
4246 - 4300
30" 30" 30" 30"
100' up 1 3/4" 8000
2' at top 1/4" 8000

D



5" 10" 15" 20" 25"

DRILLING TIME Minutes/Foot

Rate of Penetration Decreases

DEPTH

LITHOLOGY

SAMPLE DESCRIPTIONS

OIL SHOWS

REMARKS

OPERATOR DNDCI
 LEASE Aubes - BB Under 1-1 IP D&A
 ELEVATION 2364' KB RTD 4385'

LOCATION Leaves 4385' Fall
 SEC 11 TWP 17S RNG 22W
 COUNTY NESS STATE KANSAS