



KANSAS CORPORATION COMMISSION 1075117
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1075117

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	Elsie Herman 1-32
Doc ID	1075117

All Electric Logs Run

Micro
Sonic
Dual Induction
Compensated Density / Neutron

Form	ACO1 - Well Completion
Operator	Downing-Nelson Oil Co Inc
Well Name	Elsie Herman 1-32
Doc ID	1075117

Tops

Name	Top	Datum
Anhydrite	1263'	+832
Base	1295'	+800
Topeka	3128'	-1033
Heebner	3429'	-1334
Toronto	3447'	-1352
LKC	3478'	-1383
BKC	3744'	-1649
Marmaton	3795'	-1700
Arbuckle	3848'	-1753

ALLIED CEMENTING CO., LLC. 042439

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT
Greentree, KS

DATE <i>2-22-12</i>	SEC. <i>32</i>	TWP. <i>17</i>	RANGE <i>16W</i>	CALLED OUT	ON LOCATION	JOB START <i>2:10</i>	JOB FINISH <i>3:30 AM</i>
E161e Herman LEASE		WELL# <i>1-32</i>	LOCATION <i>Lacross 1 1/2 W 1/2 Northline</i>		COUNTY <i>Rush</i>	STATE <i>Kansas</i>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR *Discovery*
 TYPE OF JOB *Rotary Plug*
 HOLE SIZE *12 1/4* T.D. *3893*
 CASING SIZE *6 5/8* DEPTH *1271*
 TUBING SIZE DEPTH
 DRILL PIPE *4 1/2* DEPTH *3850*
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT

OWNER *Downing-Nelson Oil Co, INC*
 CEMENT
 AMOUNT ORDERED *220 sks 60% class A*
40% P22 44% gel

EQUIPMENT

PUMP TRUCK CEMENTER *Dustin C*
 # *224* HELPER *Jan P*
 BULK TRUCK
 # *371* DRIVER *Kevin W*
 BULK TRUCK
 # DRIVER

COMMON	<i>132</i>	@ <i>16.25</i>	<i>2145.00</i>
POZMIX	<i>88</i>	@ <i>8.50</i>	<i>748.00</i>
GEL	<i>8</i>	@ <i>21.25</i>	<i>170.00</i>
CHLORIDE		@	
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<i>228</i>	@ <i>2.25</i>	<i>513.00</i>
MILEAGE	<i>228 x 35 x .11</i>		<i>877.80</i>
TOTAL			<i>4453.80</i>

REMARKS:

1st plug 3850 50 sks
2nd plug 1300 50 sks
3rd plug 600 50 sks
4th plug 60 20 sks
Rot hole 30 sks
mouse hole 20 sks
plug down 3:30 AM

SERVICE

DEPTH OF JOB	<i>3850</i>		
PUMP TRUCK CHARGE			<i>1250.00</i>
EXTRA FOOTAGE		@	
MILEAGE	<i>Hvm 35</i>	@ <i>7.00</i>	<i>245.00</i>
MANIFOLD		@	
	<i>Hvm 35</i>	@ <i>4.00</i>	<i>140.00</i>
		@	
TOTAL			<i>1549.50</i>

CHARGE TO: *Downing-Nelson Oil Co, INC*
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
TOTAL		

To Allied Cementing Co., 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 *6003.30*
50% 2696 *1579.50*
 DISCOUNT _____ IF PAID IN 30 DAYS
4423.80

PRINTED NAME *Y GALEN GASCHLER*
 SIGNATURE *Y Galen Gaschler*
Thank You!!



DRILL STEM TEST REPORT

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

PO Box 1019
Hays, KS 67601

ATTN: Al Downing

Elsie Herman #1-32

32-17s-18w Rush,KS

Start Date: 2012.02.20 @ 19:21:39

End Date: 2012.02.21 @ 02:11:18

Job Ticket #: 45019 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.02.22 @ 14:52:19



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co.

32-17s-18w Rush,KS

PO Box 1019
Hays, KS 67601

Elsie Herman #1-32

Job Ticket: 45019

DST#: 1

ATTN: Al Dow ning

Test Start: 2012.02.20 @ 19:21:39

GENERAL INFORMATION:

Formation: **LKC-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:59:19

Time Test Ended: 02:11:18

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 60

Interval: 3489.00 ft (KB) To 3518.00 ft (KB) (TVD)

Reference Elevations: 2095.00 ft (KB)

Total Depth: 3518.00 ft (KB) (TVD)

2087.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8373 Inside

Press @RunDepth: 73.84 psig @ 3490.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.02.20

End Date:

2012.02.21

Last Calib.:

2012.02.21

Start Time: 19:21:39

End Time:

02:11:18

Time On Btm:

2012.02.20 @ 20:57:49

Time Off Btm:

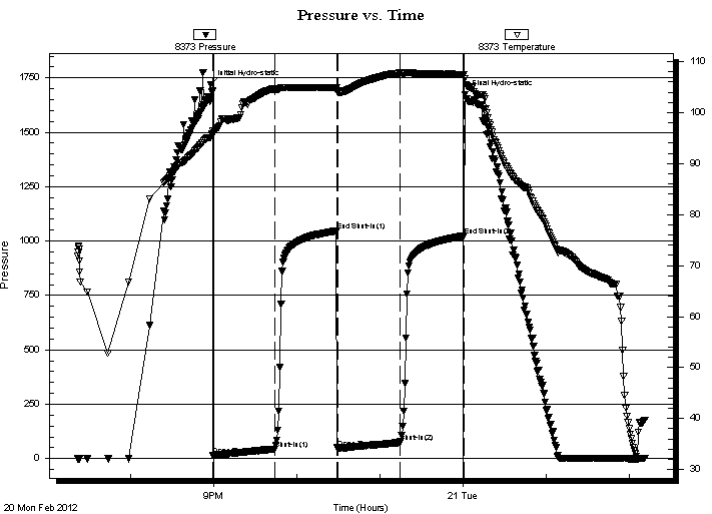
2012.02.21 @ 00:01:18

TEST COMMENT: IF: BOB in 22 min.

IS: No return.

FF: Surface blow BOB in 38 min.

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1718.74	95.18	Initial Hydro-static
2	14.07	95.93	Open To Flow (1)
47	44.35	104.61	Shut-In(1)
91	1046.18	104.83	End Shut-In(1)
92	45.68	103.93	Open To Flow (2)
137	73.84	107.72	Shut-In(2)
183	1023.19	107.51	End Shut-In(2)
184	1673.31	106.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	mcw 90%w 10%m	1.74
5.00	free oil 100%o	0.07
0.00	124 GIP	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 Co.

32-17s-18w Rush,KS

PO Box 1019
Hays, KS 67601

Elsie Herman #1-32

Job Ticket: 45019

DST#: 1

ATTN: Al Dow ning

Test Start: 2012.02.20 @ 19:21:39

Tool Information

Drill Pipe:	Length: 3486.00 ft	Diameter: 3.80 inches	Volume: 48.90 bbl	Tool Weight: 1500.00 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 48.90 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	3489.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	29.00 ft			
Tool Length:	49.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Stubb	1.00			3470.00	
Shut In Tool	5.00			3475.00	
Hydraulic tool	5.00			3480.00	
Packer	5.00			3485.00	20.00 Bottom Of Top Packer
Packer	4.00			3489.00	
Stubb	1.00			3490.00	
Recorder	0.00	8373	Inside	3490.00	
Recorder	0.00	8356	Outside	3490.00	
Perforations	23.00			3513.00	
Bullnose	5.00			3518.00	29.00 Bottom Packers & Anchor
Total Tool Length:	49.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil Co.

32-17s-18w Rush,KS

PO Box 1019
Hays, KS 67601

Elsie Herman #1-32

Job Ticket: 45019

DST#: 1

ATTN: Al Dow ning

Test Start: 2012.02.20 @ 19:21:39

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

160000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.14 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	mcw 90%w 10%m	1.739
5.00	free oil 100%o	0.070
0.00	124 GIP	0.000

Total Length: 129.00 ft Total Volume: 1.809 bbl

Num Fluid Samples: 0

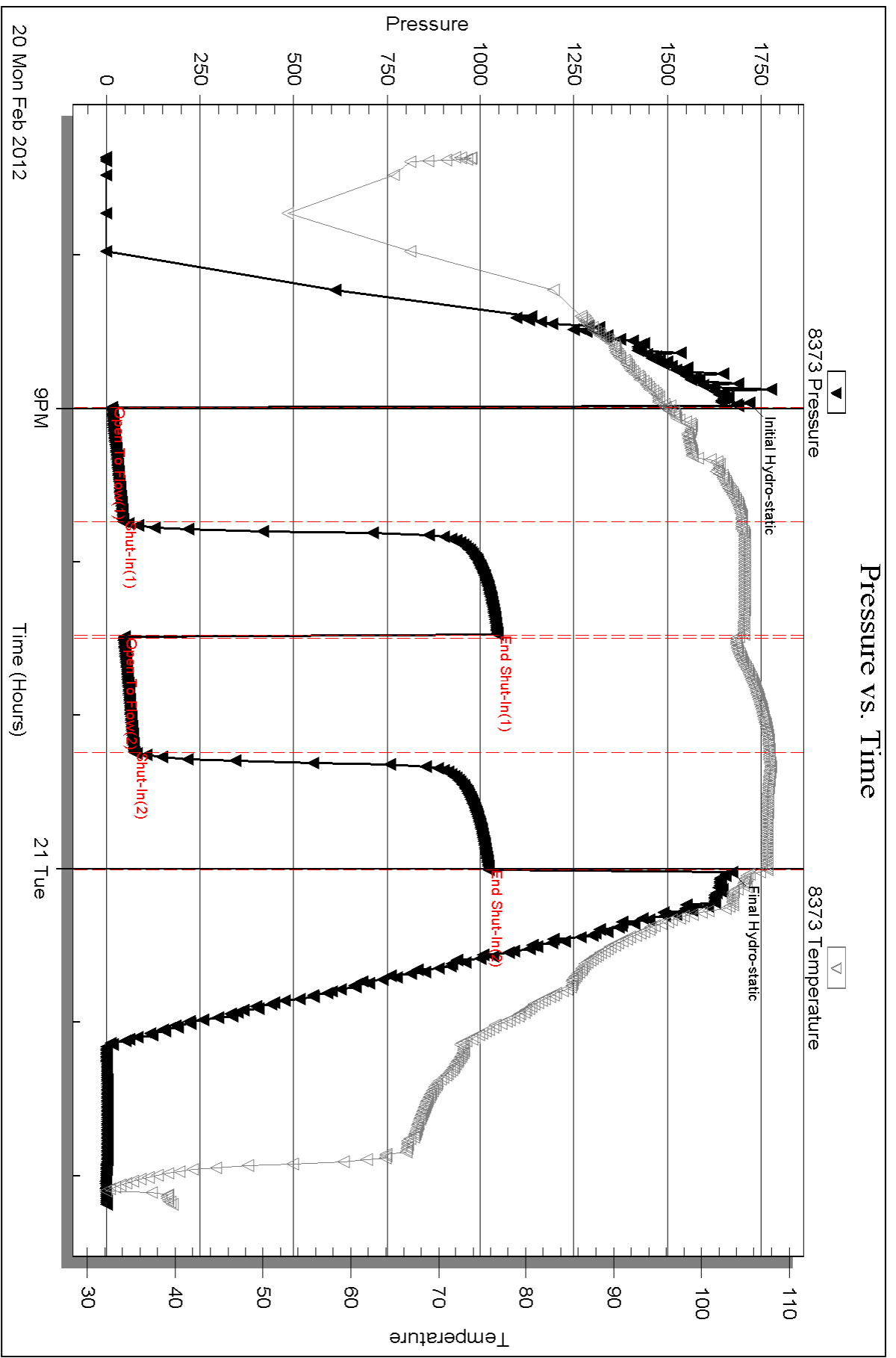
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .12@34=160000

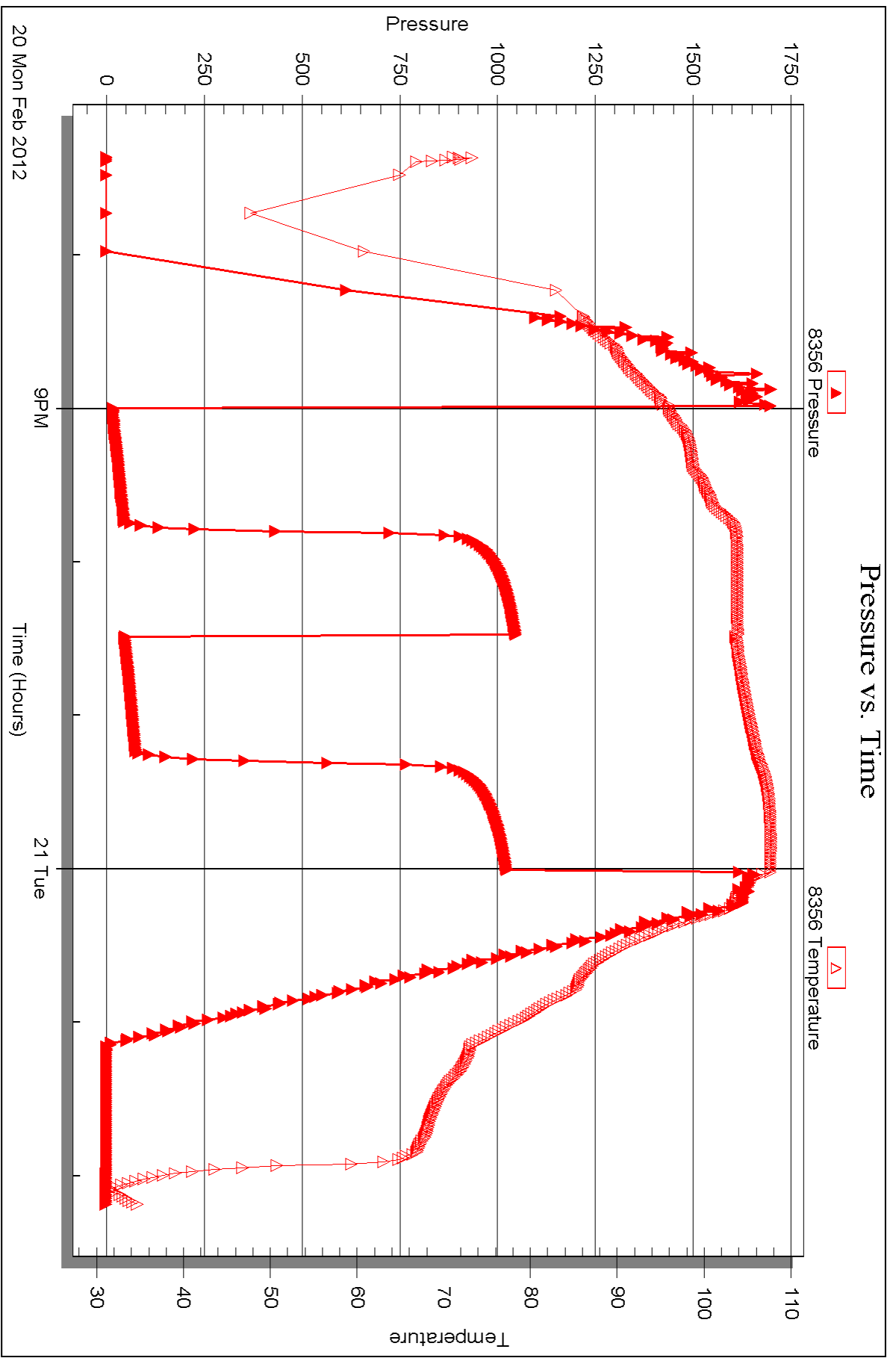


Serial #: 8356

Outside Dow nung-Nelson Oil Co.

Esie Herman #1-32

DST Test Number: 1





DRILL STEM TEST REPORT

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

PO Box 1019
Hays, KS 67601

ATTN: Al Downing

Elsie Herman #1-32

32-17s-18w Rush,KS

Start Date: 2012.02.22 @ 03:15:10

End Date: 2012.02.22 @ 09:56:34

Job Ticket #: 46251 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.02.22 @ 14:51:27



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co.

32-17s-18w Rush,KS

PO Box 1019
Hays, KS 67601

Elsie Herman #1-32

ATTN: Al Dow ning

Job Ticket: 46251

DST#: 2

Test Start: 2012.02.22 @ 03:15:10

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:23:35

Time Test Ended: 09:56:34

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schw ager

Unit No: 42

Interval: 3815.00 ft (KB) To 3854.00 ft (KB) (TVD)

Reference Elevations: 2095.00 ft (KB)

Total Depth: 3854.00 ft (KB) (TVD)

2087.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6625 Inside

Press @RunDepth: 793.56 psig @ 3826.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.02.22

End Date:

2012.02.22

Last Calib.:

2012.02.22

Start Time: 03:15:10

End Time:

09:56:34

Time On Btm:

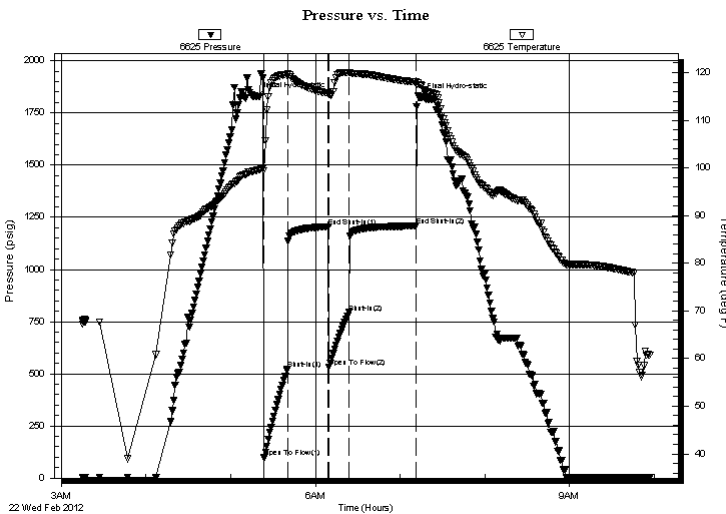
2012.02.22 @ 05:18:35

Time Off Btm:

2012.02.22 @ 07:14:05

TEST COMMENT: 15-IFP-strg bl in 1min
30-ISIP-no bl
15-FFP-strg bl in 2 min
45-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1829.01	99.48	Initial Hydro-static
5	98.15	99.45	Open To Flow (1)
22	523.15	119.51	Shut-In(1)
51	1205.31	115.66	End Shut-In(1)
51	533.03	115.42	Open To Flow (2)
65	793.56	119.99	Shut-In(2)
113	1208.75	118.00	End Shut-In(2)
116	1824.83	117.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	MW 15%M85%W	4.35
1290.00	Water	18.10

* 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.

32-17s-18w Rush,KS

PO Box 1019
Hays, KS 67601

Elsie Herman #1-32

Job Ticket: 46251

DST#: 2

ATTN: Al Dow ning

Test Start: 2012.02.22 @ 03:15:10

Tool Information

Drill Pipe:	Length: 3802.00 ft	Diameter: 3.80 inches	Volume: 53.33 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 53.33 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial	51000.00 lb
Depth to Top Packer:	3815.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval betw een Packers:	39.00 ft				
Tool Length:	60.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Stubb	1.00			3795.00	
Shut In Tool	5.00			3800.00	
Hydraulic tool	5.00			3805.00	
Packer	5.00			3810.00	21.00 Bottom Of Top Packer
Packer	5.00			3815.00	
Stubb	1.00			3816.00	
Perforations	10.00			3826.00	
Recorder	0.00	6625	Inside	3826.00	
Recorder	0.00	8700	Outside	3826.00	
Perforations	25.00			3851.00	
Bullnose	3.00			3854.00	39.00 Bottom Packers & Anchor

Total Tool Length: 60.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil Co.

32-17s-18w Rush,KS

PO Box 1019
Hays, KS 67601

Elsie Herman #1-32

Job Ticket: 46251

DST#: 2

ATTN: Al Dow ning

Test Start: 2012.02.22 @ 03:15:10

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:

31000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.75 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
310.00	MW 15%M85%W	4.348
1290.00	Water	18.095

Total Length: 1600.00 ft Total Volume: 22.443 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

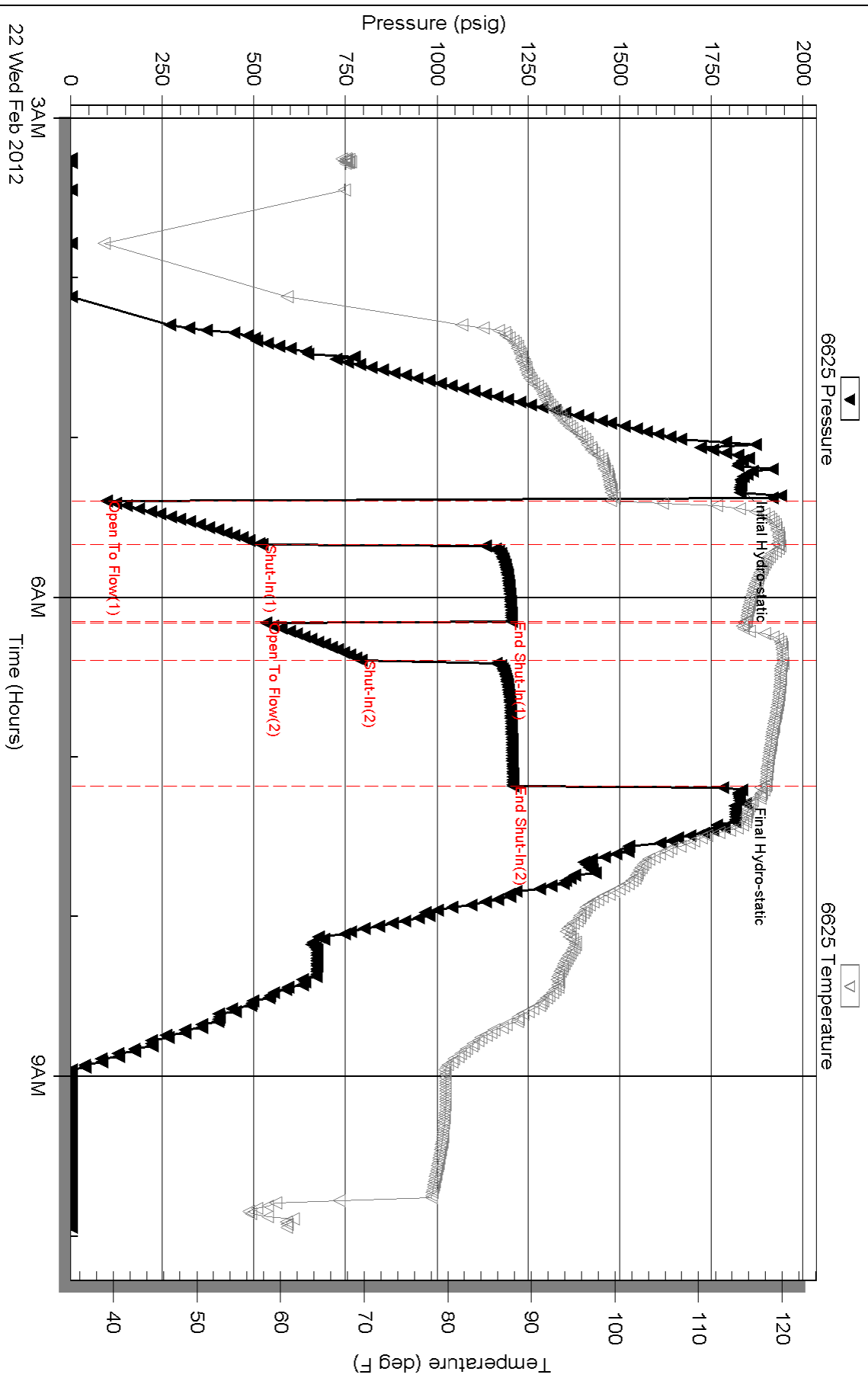
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .22@70F

Pressure vs. Time

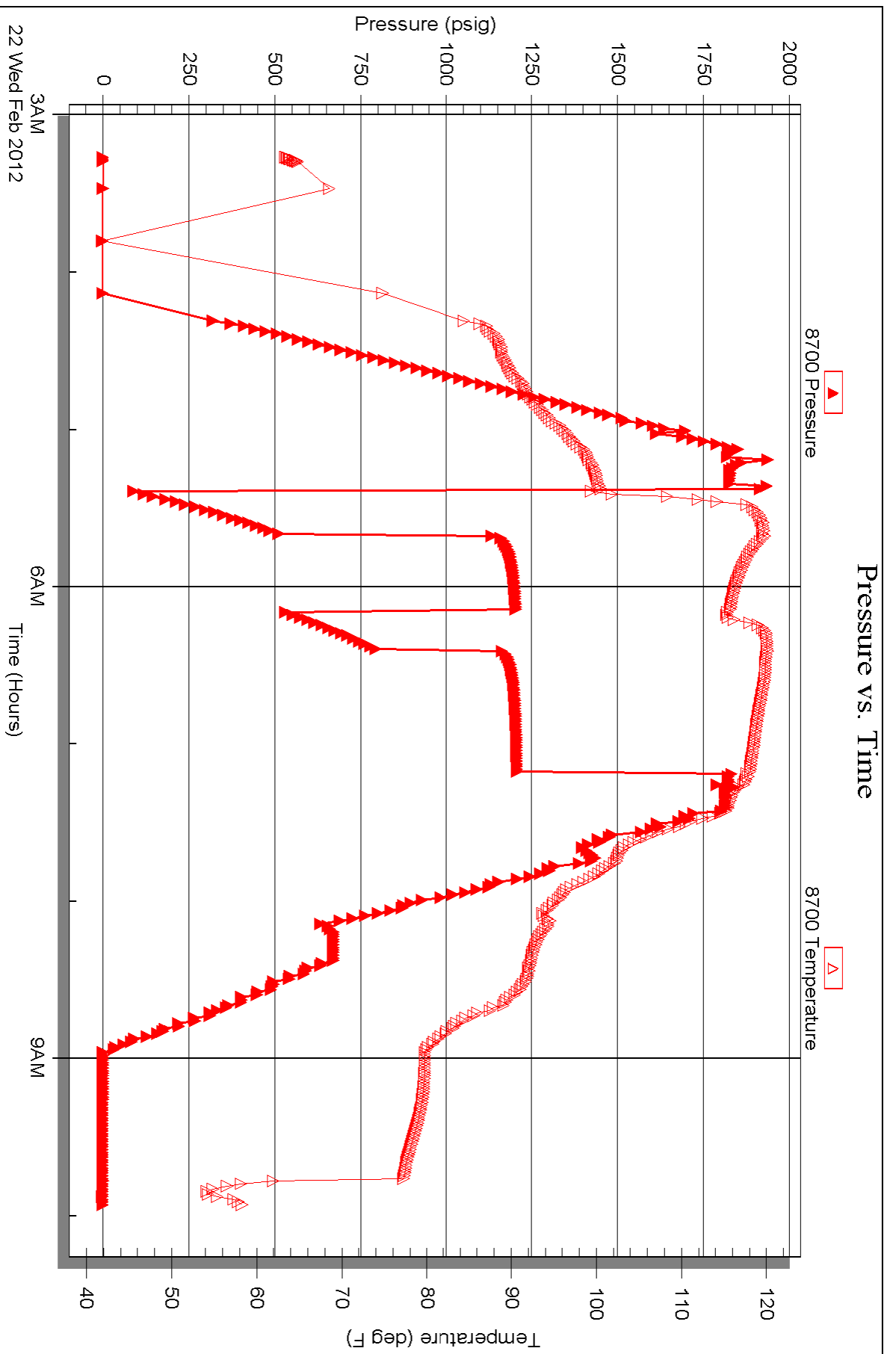


Serial #: 8700

Outside Dow nung-Nelson Oil Co.

Esie Herman #1-32

DST Test Number: 2





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
FEB 22 2012

Test Ticket

NO. 45019

4/10

Well Name & No. Elsie Herman 1-32 Test No. 1 Date 2-26-12
 Company Downing-Nelson Oil Co. Elevation 2095 KB 2087 GL
 Address P.O. Box 1019 Hays, KS 67601
 Co. Rep / Geo. Mark Downing Rig DISO #3
 Location: Sec. 32 Twp. 17 Rge. 18 Co. Rush State KS

Interval Tested 3489 3518 Zone Tested LISC - C
 Anchor Length 29 Drill Pipe Run 3486 Mud Wt. 8.9
 Top Packer Depth 3484 Drill Collars Run — Vis 51
 Bottom Packer Depth 3489 Wt. Pipe Run — WL 8.2
 Total Depth 3518 Chlorides 2600 ppm System LCM 2

Blow Description FF! BoB in 22 min.
ISI NO return.
FF! surface blow BoB in 38 min.
FS! NO return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Free oil</u>	<u>100</u>			
<u>124</u>	<u>MCW</u>		<u>90</u>	<u>10</u>	
	<u>124 GEP</u>				

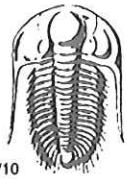
Rec Total 129 BHT 107 Gravity — API RW 12 @ 34° F Chlorides 160,000 ppm

(A) Initial Hydrostatic 1718 Test 1125 T-On Location 18:30
 (B) First Initial Flow 14 Jars T-Started ~~18:45~~ 19:21
 (C) First Final Flow 44 Safety Joint T-Open 21:00
 (D) Initial Shut-In 1046 Circ Sub W/C T-Pulled 00:00
 (E) Second Initial Flow 45 Hourly Standby T-Out 2:15
 (F) Second Final Flow 73 Mileage 58 RT 81.20 Comments _____
 (G) Final Shut-In 1023 Sampler _____
 (H) Final Hydrostatic 1673 Straddle _____
 Shale Packer _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Packer _____
 Extra Copies _____

Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45
 Sub Total 0
 Total 1206.20
 MP/DST Disc't _____
 Sub Total 1206.20

Approved By _____ Our Representative

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.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
FEB 22 2012

Test Ticket

NO. 46251

Well Name & No. Elsie Herman #1-32 BY: _____ Test No. 2 Date 2-22-12
 Company Downing-Nelson Oil Co Inc Elevation 2095 KB 2087 GL _____
 Address PO Box 1019 Hays, Ks 67601
 Co. Rep / Geo. AL Downing Rig Discovery rig 3
 Location: Sec. 32 Twp. 17^s Rge. 18^w Co. Rush State Ks

Interval Tested 3815-3854 Zone Tested Arbuckle
 Anchor Length 39 Drill Pipe Run 3802 Mud Wt. 9.1
 Top Packer Depth 3810 Drill Collars Run - Vis 53
 Bottom Packer Depth 3815 Wt. Pipe Run - WL 8.8
 Total Depth 3854 Chlorides 3000 ppm System LCM 2#
 Blow Description IFF - STRONG Blow 1W / min
ISTP - NO Blow
FFP - STRONG Blow 1W 2 min
FSTP - NO Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>310</u>	<u>MW</u>		<u>85</u>	<u>15</u>	
<u>1290</u>	<u>WATER</u>				

Rec Total 1600 BHT 118 Gravity - API RW .22 @ 70 °F Chlorides 31000 ppm
 (A) Initial Hydrostatic 1829 Test 1125 T-On Location 0035
 (B) First Initial Flow 98 Jars _____ T-Started 0315
 (C) First Final Flow 523 Safety Joint _____ T-Open 0525
 (D) Initial Shut-In 1205 Circ Sub _____ T-Pulled 0710
 (E) Second Initial Flow 533 Hourly Standby _____ T-Out 0958
 (F) Second Final Flow 793 Mileage 58RT 81.20 Comments _____
 (G) Final Shut-In 1208 Sampler _____
 (H) Final Hydrostatic 1824 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 15 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1206.20
 Final Flow 15 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 45 Sub Total 1206.20

Approved By _____

Our Representative RAY Schwager

Thank you

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3050

3100

50

3200

50

Sh: grey

LS: tom-wild, v. mtd. w. some wild
fading, dms.

Sh: grey

LS: tom-brn, fur-melxln,

v. floss. mostly per seat

subxln rx w/ tom

emta. All NS.

Sh: grey

LS: wnt, fur-melxln, chky
w/ NS.

Sh: grey

LS: tom-brn, fur v. f. xln,

scat fess, v. dms, NS

v. sp.

LS: Tang tom-wild, floss

mtd. Fr. mnt swexln-

shky rx. grey floss

emta w/ depth.

LS: AIA, v. wild

1/52/84

3124 (108)



IHP: 1718#
 IFP: 14-44#
 FFP: 45-73#
 SIP: 1046-1023#
 FHP: 1673#
 Temp: 107°F

sh: gy	LS: tan, fine sand, clay, fine
	fine ul prx, ting w/lt +
	shly w/dep. N.S.
	Sh: Black Carb
	sh: gy
	LS: bent, ool, fr int ool, mostly
	shly. All N.S.
	LS: wnt, fine sh, chky,
	much from slate. N.S.
	LS: tan-wnt, scat ool,
	dm.
	LS: tan, tot ool, gd ool,
	tot barren. N.S.
	LS: thin-tan, v. fine
	dm, pr. scat gy
	chta
	sh: gy
	LS: tan-wnt, ool, 1-2 prs
	ul prx, totally barren
	All N.S.
	Sh: red
	LS: tan, ool, fr gd ool,
	totally barren. N.S.
	Rest like dm.
	Sh: red w/less red.
	LS: wnt, scat ool, mostly
	prx.
	LS: wnt, tot ool, gd ool,
	totally barren. N.S.
	sh: tan - Brown
	LS: Tan. f. v. N. v. d. s. E. N. s.
	sh: tan - Reddish Brown
	v. silt
	LS: Tan. om. f. v. dm
	fair amt orange silt.
	sh: Red. green
	sh: gm - Red v. soft
	Unfractured tan LS lenses

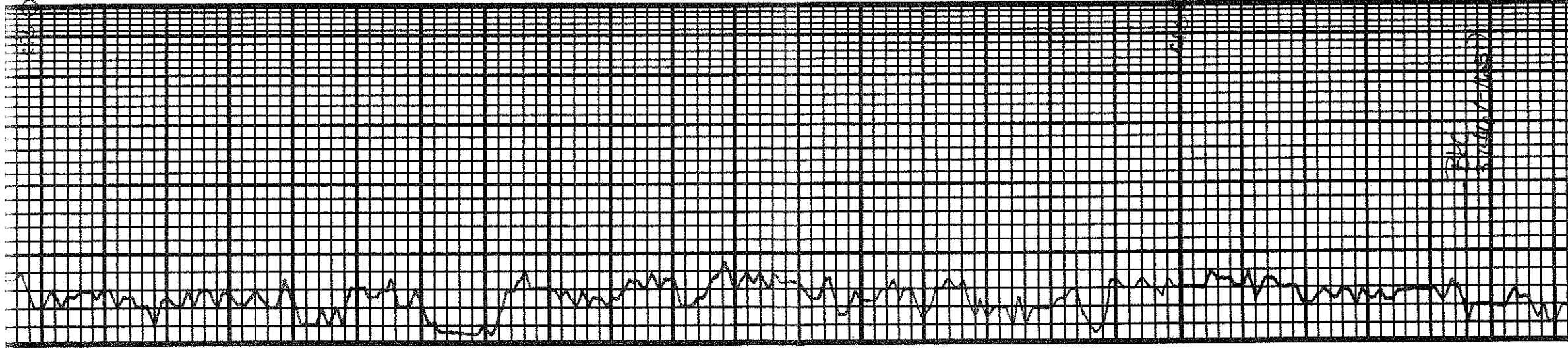
50

3600

50

28750

50



REC
 5/15/07 (MST)

Vis 51
wt 9.1
wt 8.8
LOM 2#

DST #Z
3815 - 3854
15-30-15-45

Rec:
310' mw
1290' water
IHP: 1829
IFP: 48-523 #
FFP: 533-793#
SIP: 1205-1208
FIP: 1824 #
Temp: 118°F

1.5' Tan-ol. unit V. tan
V. DSE

1.5' Tan. Sandstone
orange Δ out all V. DSE
No show-up or str - 9090

Sh: Red. Brown, v. soft
w/ small v. grey clusters Ns

Dep: unit m. thin, thin, good
1-2 PPS SFO - No odor. Lge
amt silsonite + Hwy Tar residue
Look Reviewed - 9990 Barren

Obs: unit, ind. ccs chom, 1-2
PCS AIA, vgd hvy SFO, w/ some
broken ss. Od. Mostly All
barren. Rx tang shing w/
depth, No Od, v. friable.

old: tang v. ccs rxom xln,
vgd v. tan, tabally
barren, blechy white,
No Od

Ala. Drilling

D S T # 2

3800

50

3900

3800
3815-3854

3815-3854
3815-3854

3815-3854
3815-3854

