



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Downing Nelson Oil Co Inc

PO Box 1019
Hays, Ka 67801

ATTN: Gator

Before 1-12

12-14-19 Ellis, Ka

Job Ticket: 42566 DST# 1

Test Start: 2011.05.10 @ 23:48:49

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:30:49

Time Test Ended: 06:09:19

Interval: 3427.00 ft (KB) To 3483.00 ft (KB) (TVD)

Total Depth: 3483.00 ft (KB) (TVD)

Hole Diameter: 7.68 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Reference Elevations: 2175.00 ft (KB)

2170.00 ft (CP)

KB to GR/CP: 5.00 ft

Serial #: 8734

Outside

Press@RunDepth: 56.68 psig @ 3433.00 ft (KB)

Start Date: 2011.05.10

End Date:

2011.05.11

Start Time: 23:48:50

End Time:

06:09:19

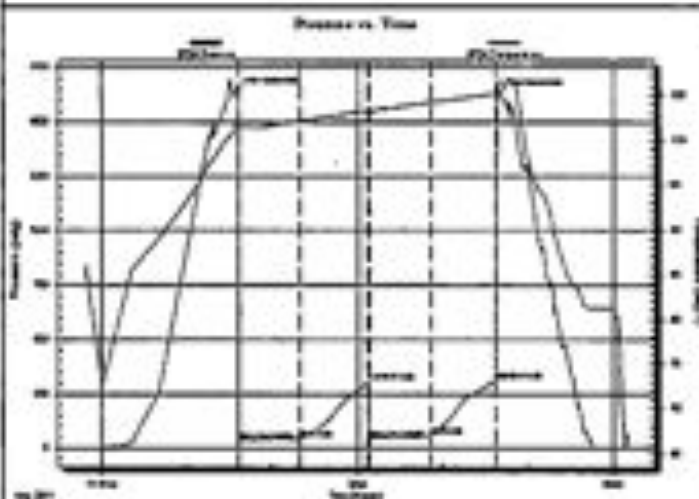
Capacity: 8000.00 psig

Last Calib.: 2011.05.11

Time On Site: 2011.05.11 @ 01:34:49

Time Off Site: 2011.05.11 @ 04:39:49

TEST COMMENT: RFP - 808 22 min
BI - no blow back
RFP - weak to good blow 1/4" - 7"
FSI - no blow back



PRESSURE SUMMARY

Time (min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1041.00	101.58	Initial Hydro-static
2	35.20	101.31	Open To Flow (1)
45	46.91	102.12	Shut-In (1)
93	307.86	103.27	End Shut-In (1)
94	44.02	103.24	Open To Flow (2)
137	56.68	104.17	Shut-In (2)
183	315.15	105.14	End Shut-In (2)
185	1533.67	106.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	HOCM 35% O, 65% M	0.63
0.00	150' GP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MDD)
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FLUID SUMMARY

Dowling Nelson Oil Co Inc

Before 1-12

PO Box 1019
Hays, Ka 67801

12-14-19 Ellis, Ka

Job Ticket: 42566

DST# 1

ATTN: Gator

Test Start: 2011.05.10 @ 23:48:49

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 79.00 sec/cp

Water Loss: 7.58 in³

Resistivity: ohm-in

Salinity: 1000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbt

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	HOCM-35%O, 65%M	0.629
0.00	150' GP	0.000

Total Length: 65.00 ft

Total Volume: 0.629 bbl

Num Fluid Samples: 0

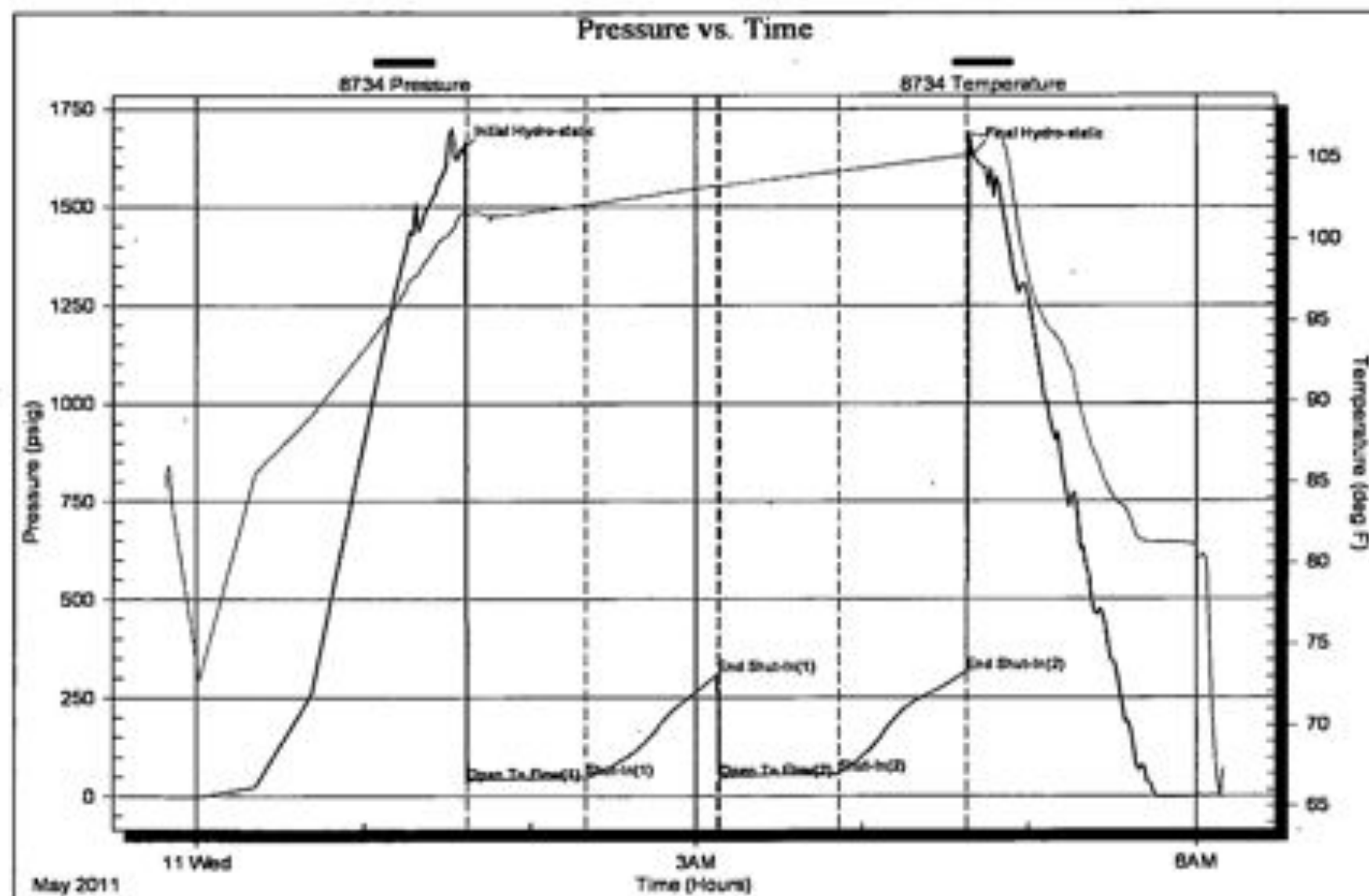
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
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DRILL STEM TEST REPORT

Downing Nelson Oil Co Inc

PO Box 1019
Hays, Ka 67601

ATTN: Gator

Befort 1-12

12-14-19 Ellis, Ka

Job Ticket: 42567 DST# 2

Test Start: 2011.05.12 @ 02:14:49

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:54:19

Time Test Ended: 07:25:19

Interval: 3743.00 ft (KB) To 3793.00 ft (KB) (TVD)

Total Depth: 3793.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Reference Elevations: 2176.00 ft (KB)

2176.00 ft (CP)

KB to GRCF: 6.00 ft

Serial #: 8734

Outside

Press@RunDepth: 34.11 psig @ 3743.00 ft (KB)

Start Date: 2011.05.12 End Date: 2011.05.12

Start Time: 02:14:50 End Time: 07:25:19

Capacity: 8000.00 psig

Last Calib.: 2011.05.12

Time On Stem: 2011.05.12 @ 03:53:19

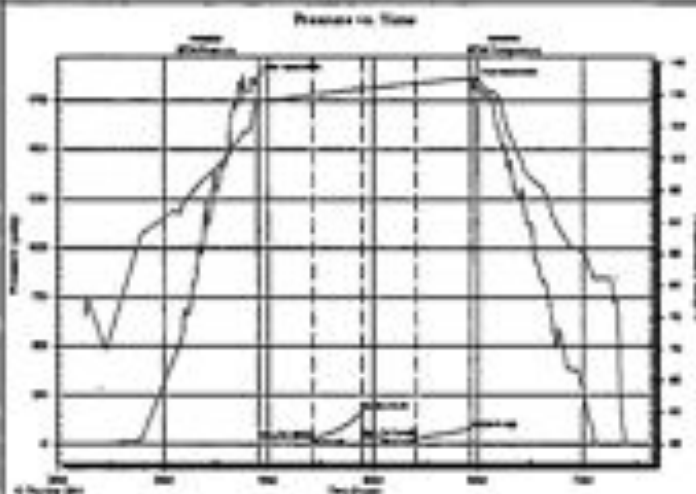
Time Off Stem: 2011.05.12 @ 05:57:19

TEST COMMENT: FFP - sur blow - died 14 min

SI - no blow back

FFP - no blow

FSI - no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1861.61	108.53	Initial Hydro-static
1	30.69	108.68	Open To Flow (1)
32	32.32	110.08	Shut-In (1)
60	170.28	111.05	End Shut-In (1)
61	34.75	111.03	Open To Flow (2)
91	34.11	111.91	Shut-In (2)
122	81.07	112.70	End Shut-In (2)
124	1840.92	112.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOGM 5% O, 98% M	0.02

Gas Rates

	Code (psig)	Pressure (psig)	Gas Rate (scfd)
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DRILL STEM TEST REPORT

FLUID SUMMARY

Dowling Nelson Oil Co Inc

Befort 1-12

PO Box 1019
Hays, Ka 67601

12-14-19 Ellis, Ka

Job Ticket: 42567

DST# 2

ATTN: Gator

Test Start: 2011.05.12 @ 02:14:49

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 59.00 sec/cp

Cushion Volume:

bbf

Water Loss: 7.96 in³

Gas Cushion Type:

Resistivity: ohm-in

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
5.00	SOOM S/W, 85%NM	0.005

Total Length: 5.00 ft

Total Volume: 0.005 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

