

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Downing Nelson Oil Company

Marvin Saxton 1-18

Box 1019
Hays KS 67601

18 20s 20w Pawnee KS

ATTN: Ron/AI

Job Ticket: 43507

DST#: 2

Test Start: 2011.07.07 @ 22:20:25

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:40

Time Test Ended: 05:07:29

Test Type: Conventional Bottom Hole

Tester: Paul Simpson

Unit No: 39

Interval: 4350.00 ft (KB) To 4366.00 ft (KB) (TVD)

Reference Elevations: 2230.00 ft (KB)

Total Depth: 4366.00 ft (KB) (TVD)

2222.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8017 Inside

Press @ Run Depth: 185.80 psig @ 4351.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.07 End Date: 2011.07.08

Last Calib.: 2011.07.08

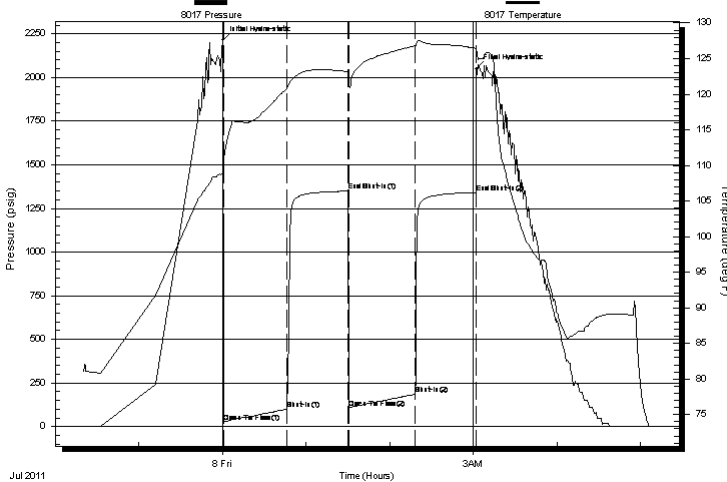
Start Time: 22:20:25 End Time: 05:07:30

Time On Btm: 2011.07.08 @ 00:00:30

Time Off Btm: 2011.07.08 @ 03:02:10

TEST COMMENT: IF 1/2" blow building to bottom of bucket in 15 minutes
IS- surface to 1 1/2"
FF blow built to bottom of bucket in 12 minutes
FS- 2" blow

Pressure vs. Time



PRESSURE SUMMARY

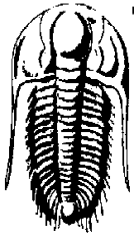
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2212.98	109.02	Initial Hydro-static
1	22.82	108.26	Open To Flow (1)
46	101.15	120.83	Shut-In(1)
90	1349.67	123.17	End Shut-In(1)
91	107.34	121.02	Open To Flow (2)
138	185.80	126.79	Shut-In(2)
182	1341.30	126.44	End Shut-In(2)
182	2050.67	126.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
390.00	gassy oil 20%g 80%0	5.19
90.00	ocm 15%o 85%m	1.26
0.00	215' GIP	0.00
0.00	38@70 =37	0.00

Gas Rates

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



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FLUID SUMMARY

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DST#: 2

ATTN: Ron/AI

Test Start: 2011.07.07 @ 22:20:25

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.16 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
390.00	gassy oil 20%g 80%0	5.188
90.00	ocm 15%o 85%m	1.262
0.00	215' GIP	0.000
0.00	38@70 =37	0.000

Total Length: 480.00 ft

Total Volume: 6.450 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

