

**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Te-Pe Oil & Gas

19-21s-5e Marion, KS

P.O. Box 522
Canton, KS 67428

Koehn #3

Job Ticket: 51848

DST#: 1

ATTN: Dan Johnson

Test Start: 2014.01.21 @ 07:21:42

GENERAL INFORMATION:

Formation: **Hunton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:38:57

Time Test Ended: 13:35:42

Test Type: Conventional Bottom Hole (Initial)

Tester: Ryan Reynolds

Unit No: 53

Interval: 2336.00 ft (KB) To 2364.00 ft (KB) (TVD)

Total Depth: 2364.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1394.00 ft (KB)

1388.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 6719

Outside

Press@RunDepth: 9.46 psig @ 2337.00 ft (KB)

Start Date: 2014.01.21

End Date: 2014.01.21

Start Time: 07:21:47

End Time: 13:35:41

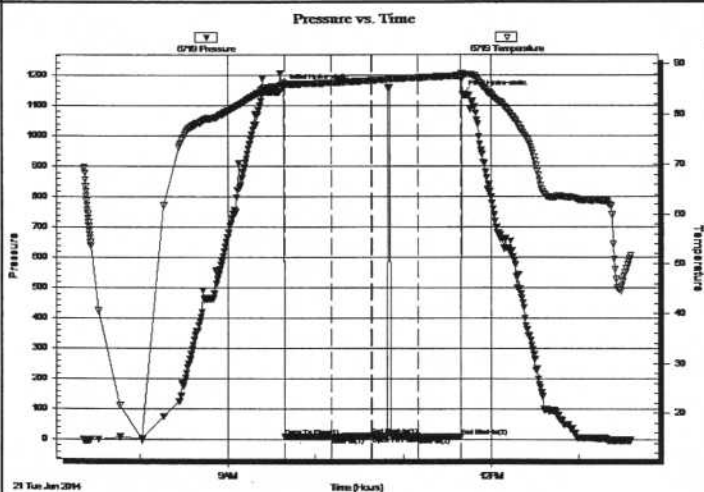
Capacity: 8000.00 psig

Last Calib.: 2014.01.21

Time On Btm: 2014.01.21 @ 09:37:57

Time Off Btm: 2014.01.21 @ 11:40:27

TEST COMMENT: IF: Weak blow . Surf - 1 1/2 ".
IS: No blow .
FF: No blow . (flshd) tool 10 mins into.
FSI: No blow .



PRESSURE SUMMARY

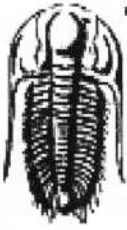
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1157.97	86.17	Initial Hydro-static
1	9.52	85.55	Open To Flow (1)
34	10.07	86.27	Shut-In(1)
60	11.86	86.70	End Shut-In(1)
61	11.90	86.72	Open To Flow (2)
92	9.46	87.28	Shut-In(2)
122	10.85	87.71	End Shut-In(2)
123	1135.18	88.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	V SLI OCM TRC %o 99%m	0.00

Gas Rates

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



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Koehn #3

ATTN: Dan Johnson

Job Ticket: 51849

DST#: 2

Test Start: 2014.01.21 @ 19:01:41

GENERAL INFORMATION:

Formation: **Hunton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:00:11

Time Test Ended: 01:01:41

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Reynolds

Unit No: 53

Interval: **2336.00 ft (KB) To 2369.00 ft (KB) (TVD)**

Reference Elevations: 1394.00 ft (KB)

Total Depth: 2364.00 ft (KB) (TVD)

1388.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 6719 Outside

Press@RunDepth: 10.25 psig @ 2337.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.01.21

End Date: 2014.01.22

Last Calib.: 2014.01.22

Start Time: 19:01:46

End Time: 01:01:40

Time On Btm: 2014.01.21 @ 20:59:56

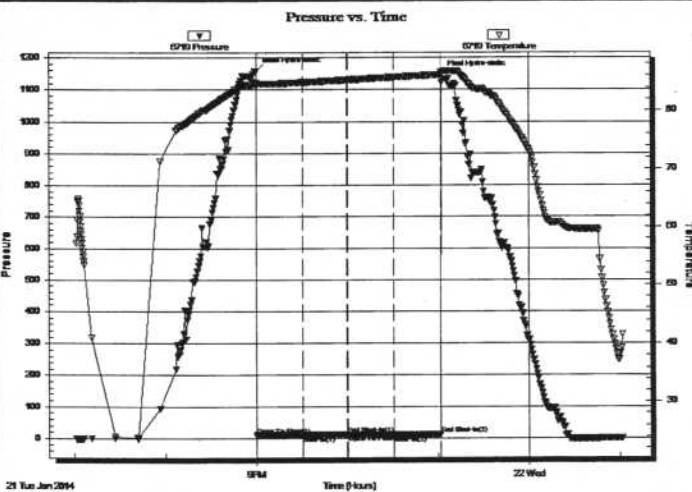
Time Off Btm: 2014.01.21 @ 23:02:11

TEST COMMENT: IF: Weak blow . Surf. - 1/2".

IS: No blow .

FF: No blow .

FS: No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1158.57	84.67	Initial Hydro-static
1	9.71	84.07	Open To Flow (1)
31	9.99	84.83	Shut-In(1)
61	11.73	85.25	End Shut-In(1)
61	10.77	85.25	Open To Flow (2)
92	10.25	85.70	Shut-In(2)
122	11.18	86.13	End Shut-In(2)
123	1145.91	86.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Drlg mud 100% mud	0.00

Gas Rates

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

* Recovery from multiple tests



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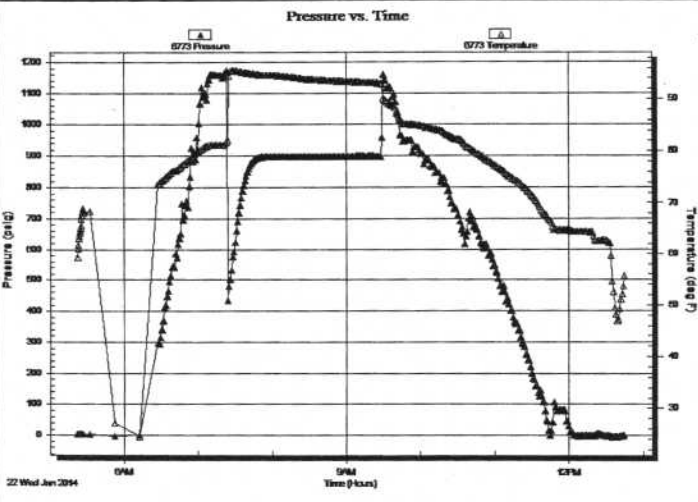
19-21s-5e Marion, KS
Koehn #3
Job Ticket: 51850 **DST#: 3**
Test Start: 2014.01.22 @ 05:16:43

GENERAL INFORMATION:

Formation: **Hunton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:23:28
Time Test Ended: 12:46:28
Interval: **2366.00 ft (KB) To 2374.00 ft (KB) (TVD)**
Total Depth: 2374.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Ryan Reynolds
Unit No: 53
Reference Elevations: 1394.00 ft (KB)
1388.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 6773 Outside
Press@RunDepth: psig @ 2367.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.01.22 End Date: 2014.01.22 Last Calib.: 2014.01.22
Start Time: 05:22:35 End Time: 12:44:59 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Strong blow . BOB @ 10 sec.
IS: No blow
FF: Weak blow . 2" - Dead @ 10 min.
FS: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
740.00	VSLI OCM trc%oil, 99%w tr	5.00
905.00	OCW 15%oil, 85%w tr	6.65
465.00	OMCW 17%oil, 20%mud, 63%w tr	3.42

* Recovery from multiple tests

Gas Rates

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