

KS
15-135-24865-0000



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Blueridge Petroleum
P.O. Box 1913
Enid, OK 73702
ATTN: Jim Musgrove

Johnson- Antenen #1-31
31 18 25 Ness, KS
Job Ticket: 33456 **DST#: 1**
Test Start: 2008.10.23 @ 13:06:35

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:42:00
Time Test Ended: 20:06:14
Interval: 4181.00 ft (KB) To 4250.00 ft (KB) (TVD)
Total Depth: 4250.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole
Tester: Brandon Turley
Unit No: 35
Reference Elevations: 2462.00 ft (KB)
2455.00 ft (CF)
KB to GR/CF: 7.00 ft

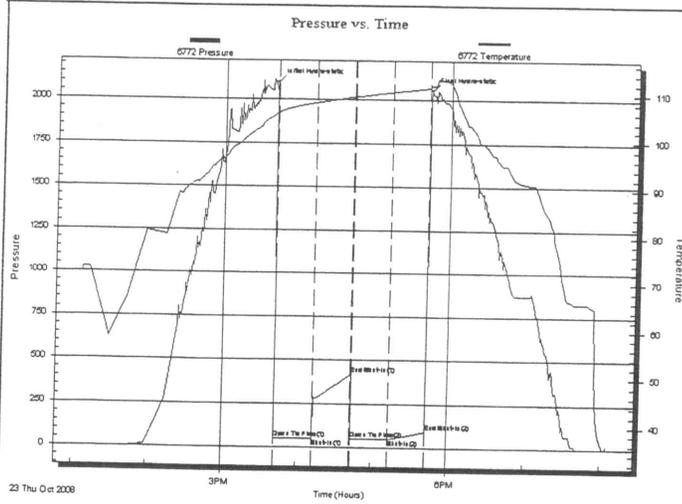
Serial #: 6772

Inside

Press@RunDepth: 52.28 psig @ 4182.00 ft (KB)
Start Date: 2008.10.23 End Date: 2008.10.23
Start Time: 13:06:35 End Time: 20:06:14

Capacity: 7000.00 psig
Last Calib.: 2008.10.23
Time On Btm: 2008.10.23 @ 15:41:30
Time Off Btm: 2008.10.23 @ 17:44:14

TEST COMMENT: IF: Open tool lost mud Open tool 1 blow died in 8 min
IS: No return
FF: No blow
FS: No reutr



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2096.40	106.04	Initial Hydro-static
1	49.77	105.95	Open To Flow (1)
31	51.22	108.22	Shut-In(1)
62	417.56	109.48	End Shut-In(1)
62	51.03	109.44	Open To Flow (2)
92	52.28	110.48	Shut-In(2)
122	94.77	111.39	End Shut-In(2)
123	2051.84	111.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
75.00	mud 100% _m	0.77

Gas Rates

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

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ATTN: Jim Musgrove

Job Ticket: 33457

DST#: 2

Test Start: 2008.10.24 @ 04:05:24

GENERAL INFORMATION:

Formation: **Miss**
Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 06:01:49

Time Test Ended: 09:44:18

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: **4388.00 ft (KB) To 4421.00 ft (KB) (TVD)**

Total Depth: 4421.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2462.00 ft (KB)

2455.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 6772

Inside

Press@RunDepth: 16.33 psig @ 4389.00 ft (KB)

Start Date: 2008.10.24

End Date:

2008.10.24

Start Time: 04:05:24

End Time:

09:44:18

Capacity: 7000.00 psig

Last Calib.: 2008.10.24

Time On Btm: 2008.10.24 @ 06:01:34

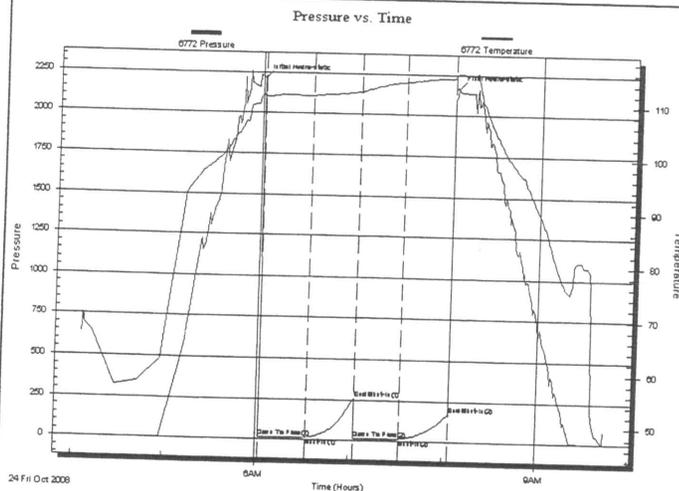
Time Off Btm: 2008.10.24 @ 08:05:19

TEST COMMENT: IF: 1/4 blow died in 12 min

IS: No return

FF: No blow

FS: No return



PRESSURE SUMMARY

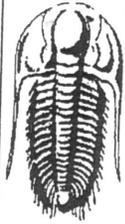
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2214.28	111.75	Initial Hydro-static
1	13.32	111.29	Open To Flow (1)
31	14.86	111.51	Shut-In(1)
62	262.17	112.36	End Shut-In(1)
62	15.69	112.29	Open To Flow (2)
91	16.33	114.23	Shut-In(2)
122	171.99	115.15	End Shut-In(2)
124	2163.96	116.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud oil spots 100%m	0.02

Gas Rates

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



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31 18 25 Ness, KS

ATTN: Jim Musgrove

Job Ticket: 33458

DST#: 3

Test Start: 2008.10.25 @ 16:36:31

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:16:41
 Time Test Ended: 22:00:10

Test Type: Conventional Bottom Hole
 Tester: Brandon Turley
 Unit No: 35

Interval: **4388.00 ft (KB) To 4427.00 ft (KB) (TVD)**
 Total Depth: 4427.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2462.00 ft (KB)
 2455.00 ft (CF)
 KB to GR/CF: 7.00 ft

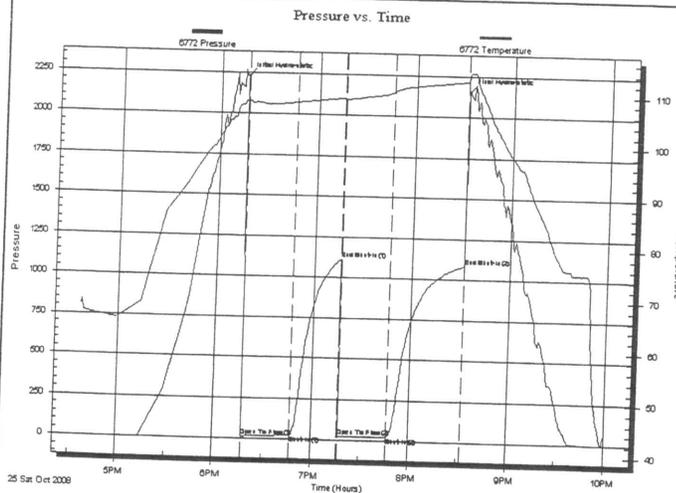
Serial #: 6772

Inside

Press@RunDepth: 1082.33 psig @ 4389.00 ft (KB)
 Start Date: 2008.10.25 End Date: 2008.10.25
 Start Time: 16:36:31 End Time: 22:00:10

Capacity: 7000.00 psig
 Last Calib.: 2008.10.25
 Time On Btm: 2008.10.25 @ 18:16:26
 Time Off Btm: 2008.10.25 @ 20:32:56

TEST COMMENT: IF: Surface blow built to 1/4 died to surface blow.
 IS: No return.
 FF: No blow.
 FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2226.41	108.36	Initial Hydro-static
1	14.36	107.61	Open To Flow (1)
31	23.75	108.10	Shut-In(1)
60	1113.55	109.10	End Shut-In(1)
61	25.86	108.68	Open To Flow (2)
91	27.95	110.37	Shut-In(2)
136	1082.33	112.55	End Shut-In(2)
137	2151.79	114.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	ocm 5%o 95%m	0.28

Gas Rates

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



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Job Ticket: 33459

DST#: 4

ATTN: Jim Musgrove

Test Start: 2008.10.26 @ 04:43:12

GENERAL INFORMATION:

Formation: **Miss**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 06:41:07

Time Test Ended: 11:19:06

Test Type: **Conventional Bottom Hole**

Tester: **Brandon Turley**

Unit No: **35**

Interval: 4389.00 ft (KB) To 4432.00 ft (KB) (TVD)

Total Depth: **4432.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2462.00 ft (KB)**

2455.00 ft (CF)

KB to GR/CF: **7.00 ft**

Serial #: 6772 **Inside**

Press@RunDepth: **34.41 psig @ 4390.00 ft (KB)**

Start Date: **2008.10.26**

End Date:

2008.10.26

Start Time: **04:43:12**

End Time:

11:19:06

Capacity: **7000.00 psig**

Last Calib.: **2008.10.26**

Time On Btm: **2008.10.26 @ 06:40:52**

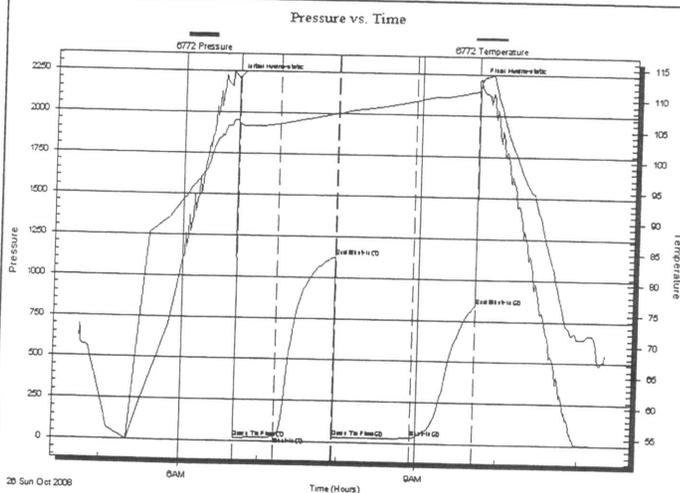
Time Off Btm: **2008.10.26 @ 09:43:51**

TEST COMMENT: IF: 1/4 blow built to 2 in 30 min.

IS: No return.

FF: Surface blow built to 1 1/4 in 60 min.

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2206.54	106.06	Initial Hydro-static
1	17.66	105.40	Open To Flow (1)
31	29.02	105.64	Shut-In(1)
76	1125.86	107.42	End Shut-In(1)
76	30.40	107.25	Open To Flow (2)
135	34.41	109.69	Shut-In(2)
182	841.46	111.38	End Shut-In(2)
183	2208.93	112.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	ocm 10%o 90%r	0.42

Gas Rates

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