

DRILL STEM TEST REPORT

Prepared For: **Carrie Exploration & Development**

210 w 22nd Hays Ks 67601

ATTN:

Matzek #4

25-19-11w Barton

Start Date: 2012.07.05 @ 06:45:00

End Date: 2012.07.05 @ 11:51:00

Job Ticket #: 17355 DST #: 1

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2012.07.05 @ 12:03:45

Carrie Exploration & Development

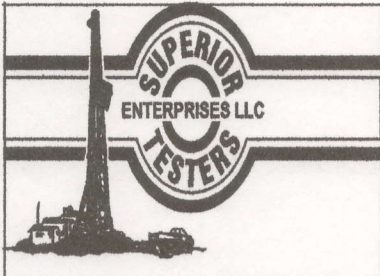
25-19-11w Barton

Matzek #4

DST # 1

Lansing A-B

2012.07.05



DRILL STEM TEST REPORT

Carrie Exploration & Development

25-19-11w Barton

210 w 22nd Hays Ks 67601

Matzek #4

Job Ticket: 17355

DST#: 1

ATTN:

Test Start: 2012.07.05 @ 06:45:00

GENERAL INFORMATION:

Formation: **Lansing A-B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:11:30

Time Test Ended: 11:51:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jared Scheck

Unit No: 3320-Great Bend-

Interval: **2993.00 ft (KB) To 3042.00 ft (KB) (TVD)**

Reference Elevations: 1773.00 ft (KB)

Total Depth: 3042.00 ft (KB) (TVD)

1763.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GRVCF: 10.00 ft

Serial #: 8159

Press@RunDepth: 48.59 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.07.05

End Date: 2012.07.05

Last Calib.: 2012.07.05

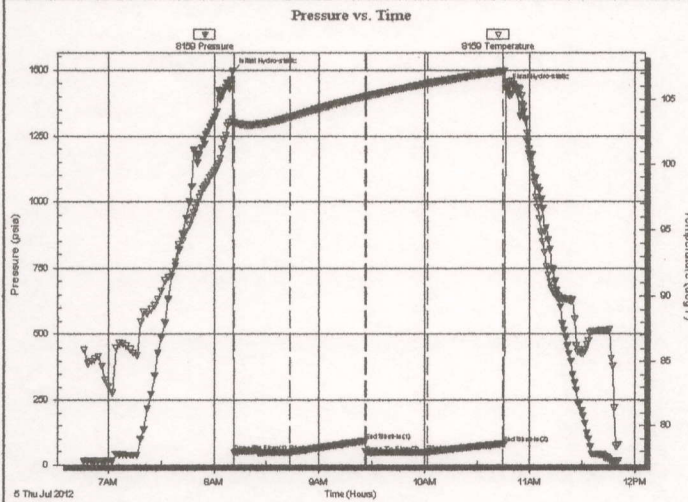
Start Time: 06:45:00

End Time: 11:51:00

Time On Btm: 2012.07.05 @ 08:10:30

Time Off Btm: 2012.07.05 @ 10:46:30

TEST COMMENT: 1st Opening 30 Minutes-Weak blow built 1 1/2 into w ater in 30 minutes
 1st Shut-in 45 Minutes- No blow
 2nd Opening 30 Minutes-Weak blow built 1 1/2 inches into w ater in 30 minutes
 2nd Shut-in 45 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1493.96	103.52	Initial Hydro-static
1	47.86	103.19	Open To Flow (1)
33	47.81	103.63	Shut-In(1)
76	91.63	105.22	End Shut-In(1)
77	45.25	105.25	Open To Flow (2)
111	48.59	106.22	Shut-In(2)
155	80.97	107.16	End Shut-In(2)
156	1434.08	106.31	Final Hydro-static

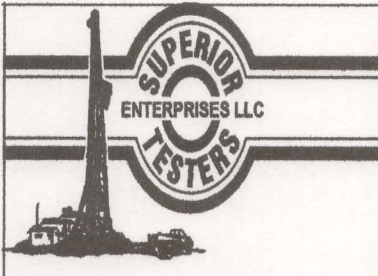
Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud	0.14

Gas Rates

	Choke (Inches)	Pressure (psia)	Gas Rate (Mcf/d)

* Recovery from multiple tests



DRILL STEM TEST REPORT

Carrie Exploration & Development

25-19-11w Barton

210 w 22nd Hays Ks 67601

Matzek #4

Job Ticket: 17355

DST#: 1

ATTN:

Test Start: 2012.07.05 @ 06:45:00

GENERAL INFORMATION:

Formation: **Lansing A-B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:11:30

Time Test Ended: 11:51:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jared Scheck

Unit No: 3320-Great Bend-

Interval: **2993.00 ft (KB) To 3042.00 ft (KB) (TVD)**

Reference Elevations: 1773.00 ft (KB)

Total Depth: 3042.00 ft (KB) (TVD)

1763.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 6731

Press@RunDepth: 82.21 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.07.05 End Date: 2012.07.05

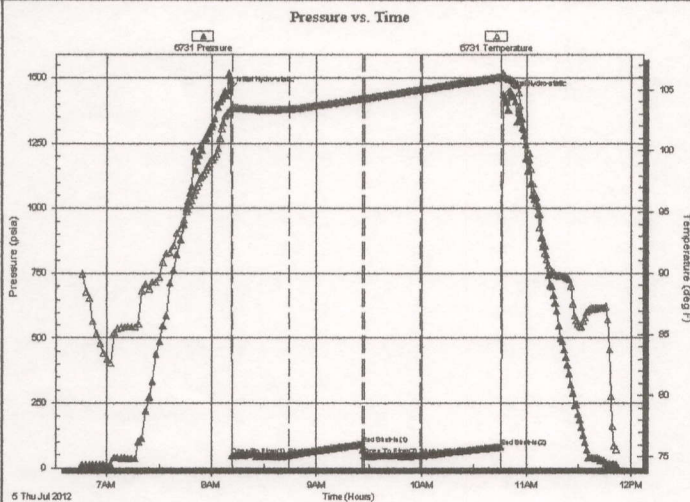
Last Calib.: 2012.07.05

Start Time: 06:45:00 End Time: 11:52:00

Time On Btm: 2012.07.05 @ 08:10:00

Time Off Btm: 2012.07.05 @ 10:46:30

TEST COMMENT: 1st Opening 30 Minutes-Weak blow built 1 1/2 into water in 30 minutes
 1st Shut-in 45 Minutes- No blow
 2nd Opening 30 Minutes-Weak blow built 1 1/2 inches into water in 30 minutes
 2nd Shut-in 45 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1452.61	103.16	Initial Hydro-static
2	47.34	103.49	Open To Flow (1)
34	49.96	103.42	Shut-In(1)
76	93.15	104.27	End Shut-In(1)
78	46.81	104.30	Open To Flow (2)
109	48.49	105.02	Shut-In(2)
156	82.21	106.02	End Shut-In(2)
157	1437.18	106.35	Final Hydro-static

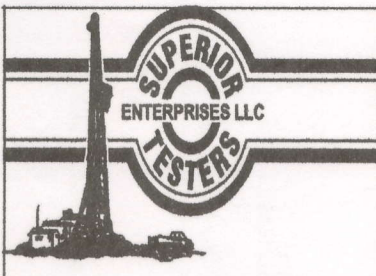
Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud	0.14

Gas Rates

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

* Recovery from multiple tests



DRILL STEM TEST REPORT

TOOL DIAGRAM

Carrie Exploration & Development

25-19-11w Barton

210 w 22nd Hays Ks 67601

Matzek #4

Job Ticket: 17355

DST#: 1

ATTN:

Test Start: 2012.07.05 @ 06:45:00

Tool Information

Drill Pipe: Length: 2998.00 ft Diameter: 3.80 inches Volume: 42.05 bbl Tool Weight: 1000.00 lb
 Heavy Wt. Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl Weight set on Packer: 20000.00 lb
 Drill Collar: Length: 0.00 ft Diameter: 2.25 inches Volume: 0.00 bbl Weight to Pull Loose: 40000.00 lb
 Drill Pipe Above KB: 25.00 ft Total Volume: 42.05 bbl Tool Chased 0.00 ft
 Depth to Top Packer: 2993.00 ft String Weight: Initial 31000.00 lb
 Depth to Bottom Packer: ft Final 31000.00 lb
 Interval between Packers: 49.00 ft
 Tool Length: 69.00 ft
 Number of Packers: 2 Diameter: 6.75 inches
 Tool Comments:

Length (ft)	Description	Volume (bbl)
10.00	...	0.140

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-In Tool	5.00		Inside	2978.00	
Hydraulic Tool	5.00			2983.00	
Packer	5.00			2988.00	20.00 Bottom Of Top Packer
Packer	5.00			2993.00	
Anchor	44.00			3037.00	
Recorder	1.00		Inside	3038.00	
Recorder	1.00		Outside	3039.00	
Bullnose	3.00			3042.00	49.00 Bottom Packers & Anchor

Total Tool Length: 69.00

Serial #: 6731

Carrie Exploration & Development

Matzek #4

Pressure vs. Time

