



DRILL STEM TEST REPORT

Prepared For: **Carrie Exploration & Development**

210 w 22nd Hays Ks 67601

ATTN: Ron Herold

Matzek #4

25-19-11w Barton

Start Date: 2012.07.06 @ 06:10:00

End Date: 2012.07.06 @ 11:03:00

Job Ticket #: 17357 DST #: 3

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

Printed: 2012.07.06 @ 11:19:02

Carrie Exploration & Development
25-19-11w Barton
Matzek #4
DST # 3
Lansing " G "
2012.07.06



DRILL STEM TEST REPORT

Carrie Exploration & Development

25-19-11w Barton

210 w 22nd Hays Ks 67601

Matzek #4

ATTN: Ron Herold

Job Ticket: 17357

DST#: 3

Test Start: 2012.07.06 @ 06:10:00

GENERAL INFORMATION:

Formation: **Lansing " G "**

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

Time Tool Opened: 07:27:00

Time Test Ended: 11:03:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend-40

Interval: **3092.00 ft (KB) To 3130.00 ft (KB) (TVD)**

Reference Elevations: 1773.00 ft (KB)

Total Depth: 3130.00 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: 59.84 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.07.06

End Date: 2012.07.06

Last Calib.: 2012.07.06

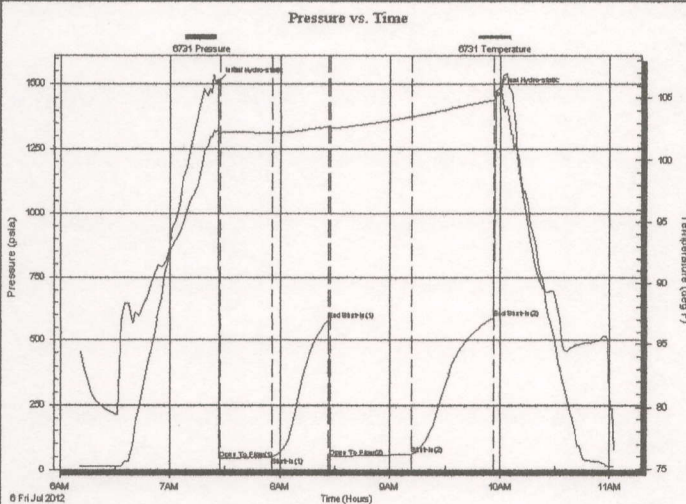
Start Time: 06:10:00

End Time: 11:03:00

Time On Btm: 2012.07.06 @ 07:26:00

Time Off Btm: 2012.07.06 @ 09:57:30

TEST COMMENT: 1st Opening 30 Minutes-Fair blow built 5 inches into water in 30 minutes
 1st Shut-in 30 Minutes-No blow back
 2nd Opening 45 Minutes-Weak blow built 4 inches into water in 45 minutes
 2nd Shut-in 45 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1510.35	102.42	Initial Hydro-static
1	42.95	102.15	Open To Flow (1)
30	48.67	102.19	Shut-In(1)
61	583.06	102.67	End Shut-In(1)
62	50.14	102.54	Open To Flow (2)
106	59.84	103.48	Shut-In(2)
151	589.20	104.80	End Shut-In(2)
152	1470.27	105.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Spot oil cut mud 2%oil 98%mud	0.63

Gas Rates

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



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Reference Elevations: 1773.00 ft (KB)

Total Depth: 3130.00 ft (KB) (TVD)

1763.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GRV/CF: 10.00 ft

Serial #: 8159

Press@RunDepth: 587.28 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.07.06

End Date: 2012.07.06

Last Calib.: 2012.07.06

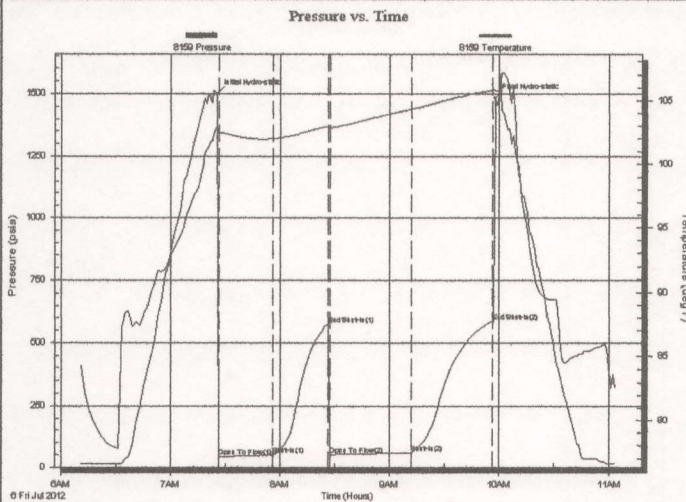
Start Time: 06:10:00

End Time: 11:03:30

Time On Btm: 2012.07.06 @ 07:25:30

Time Off Btm: 2012.07.06 @ 09:57:30

TEST COMMENT: 1st Opening 30 Minutes-Fair blow built 5 inches into water in 30 minutes
 1st Shut-in 30 Minutes-No blow back
 2nd Opening 45 Minutes-Weak blow built 4 inches into water in 45 minutes
 2nd Shut-in 45 Minutes-No blow back



PRESSURE SUMMARY

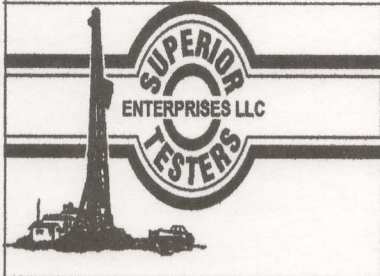
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1499.34	102.89	Initial Hydro-static
1	41.54	102.50	Open To Flow (1)
31	48.41	102.00	Shut-in(1)
61	573.06	102.99	End Shut-in(1)
62	49.81	102.85	Open To Flow (2)
106	58.77	104.32	Shut-in(2)
151	587.28	105.80	End Shut-in(2)
152	1483.48	105.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Spot oil cut mud 2%oil 98%mud	0.63

Gas Rates

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



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TOOL DIAGRAM

Carrie Exploration & Development

25-19-11w Barton

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DST#: 3

ATTN: Ron Herold

Test Start: 2012.07.06 @ 06:10:00

Tool Information

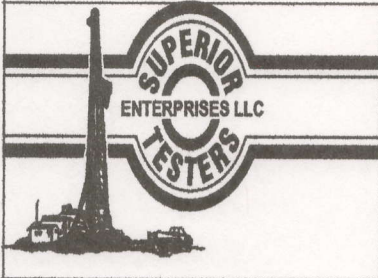
Drill Pipe:	Length: 3092.00 ft	Diameter: 3.80 inches	Volume: 43.37 bbl	Tool Weight: 1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 46000.00 lb
			<u>Total Volume: 43.37 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3092.00 ft			Final 32000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	49.00 ft			
Tool Length:	69.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	3077.00	
Hydraulic Tool	5.00			3082.00	
Packer	5.00			3087.00	20.00 Bottom Of Top Packer
Packer	5.00			3092.00	
Anchor	44.00			3136.00	
Recorder	1.00	6731	Inside	3137.00	
Recorder	1.00	8159	Outside	3138.00	
Bullnose	3.00			3141.00	49.00 Bottom Packers & Anchor

Total Tool Length: 69.00



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FLUID SUMMARY

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DST#: 3

ATTN: Ron Herold

Test Start: 2012.07.06 @ 06:10:00

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: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.30 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 4000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	Spot oil cut mud 2%oil 98%mud	0.631

Total Length: 45.00 ft Total Volume: 0.631 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

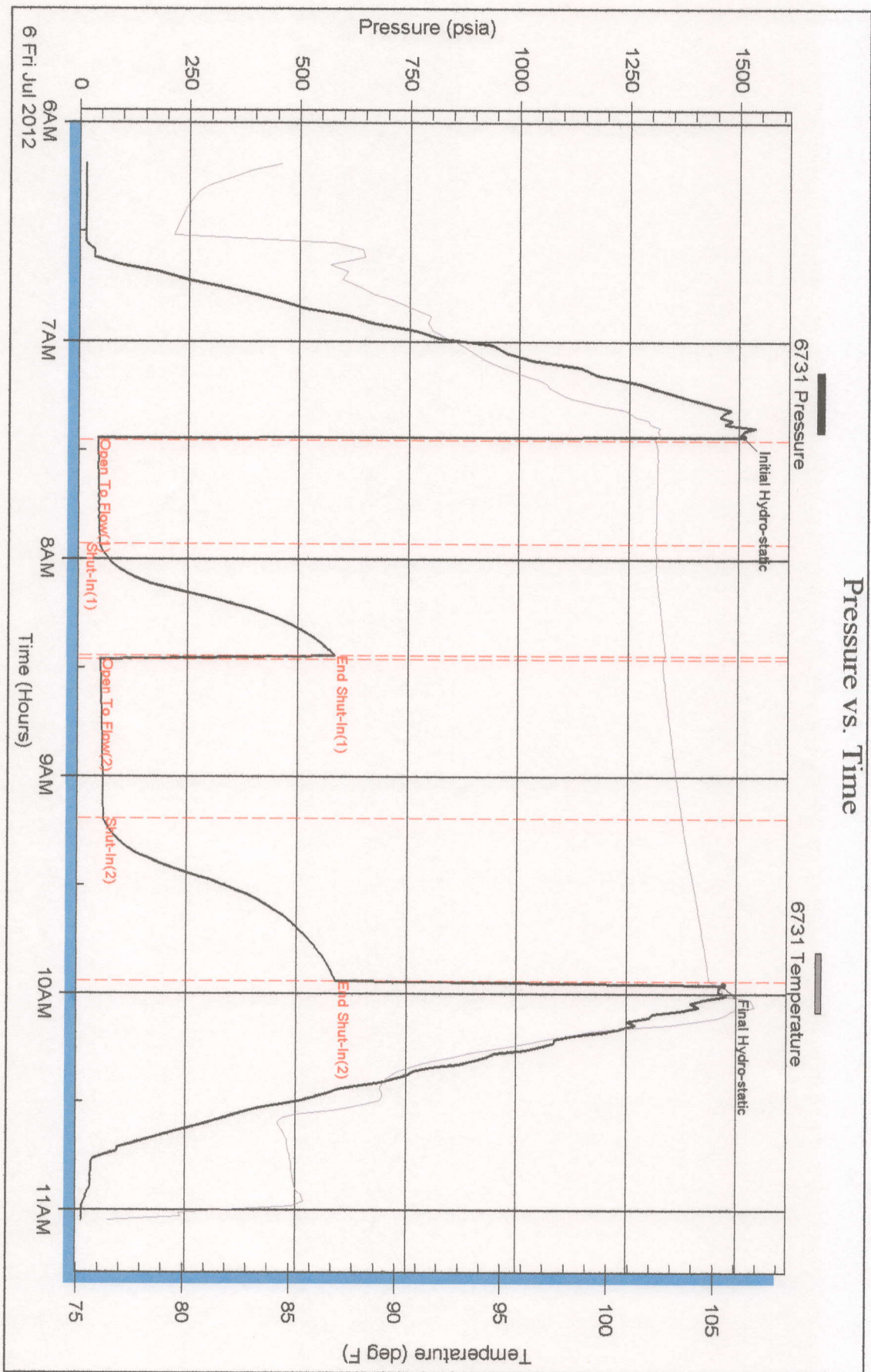
Serial #: 6731

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Matzek #4

DST Test Number: 3

Pressure vs. Time



Serial #: 8159

Carrie Exploration & Development

Matzek #4

DST Test Number: 3

Pressure vs. Time

