

DRILL STEM TEST REPORT

Prepared For: **Evertson Operating Company, Inc.**

4362 E. Hwy 30
P.O. Box 397
Kimball NE, 69145

ATTN: Steve Schindler

Gilsdorf #31-7

7/7s/12e/Pottawatomie

Start Date: 2013.12.06 @ 00:50:00

End Date: 2013.12.06 @ 11:16:00

Job Ticket #: 18608 DST #: 2

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

Printed: 2013.12.09 @ 04:50:39

Evertson Operating Company, Inc.

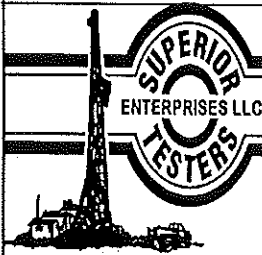
7/7s/12e/Pottawatomie

Gilsdorf #31-7

DST # 2

Viola Dolomite

2013.12.06



DRILL STEM TEST REPORT

Everton Operating Company, Inc.

7/7s/12e/Pottawatomie

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Gilsdorf #31-7

Job Ticket: 18608

DST#: 2

Test Start: 2013.12.06 @ 00:50:00

GENERAL INFORMATION:

Formation: Viola Dolomite

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:14:00

Time Test Ended: 11:16:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane Konzem

Unit No: 3330/400/Great Bend

Interval: 2991.00 ft (KB) To 3009.00 ft (KB) (TVD)

Reference Elevations: 1323.00 ft (KB)

Total Depth: 3009.00 ft (KB) (TVD)

1314.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 9.00 ft

Serial #: 6663

Inside

Press@RunDepth: 1062.32 psia @ 3005.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.12.06

End Date: 2013.12.06

Last Calib.: 2013.12.06

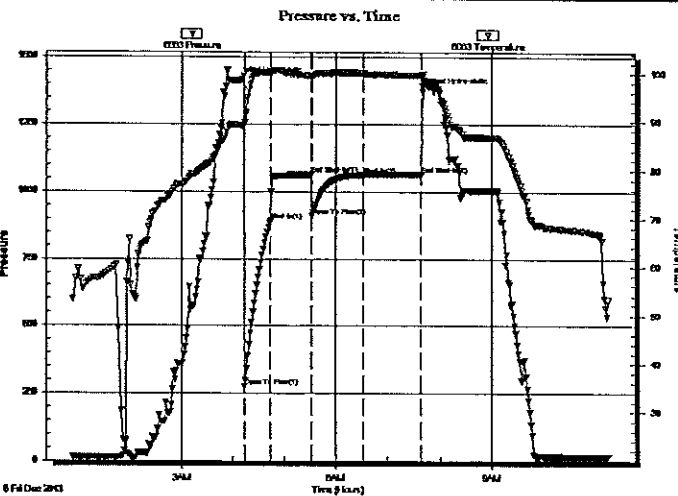
Start Time: 00:51:00

End Time: 11:16:00

Time On Btm: 2013.12.06 @ 04:05:30

Time Off Btm: 2013.12.06 @ 07:40:30

TEST COMMENT: 1st Open/ 30 Minutes. Strong blow built to bottom of 5 gallon bucket of delsei in 40 seconds.
 1st Shut In/ 45 Minutes. No blow back.
 2nd Open/ 60 Minutes. Strong blow built to bottom of 5 gallon bucket of delsei in 1 minute and 05 seconds.
 BLow died back to weak surface blow at end of open.



PRESSURE SUMMARY

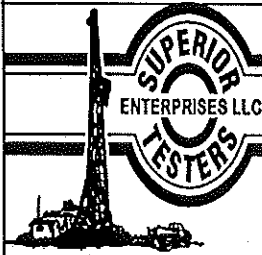
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1412.69	89.30	Initial Hydro-static
9	274.71	89.61	Open To Flow (1)
38	890.51	100.13	Shut-In(1)
86	1062.73	99.46	End Shut-In(1)
87	908.94	99.19	Open To Flow (2)
147	1062.32	99.94	Shut-In(2)
213	1063.71	99.58	End Shut-In(2)
215	1372.48	99.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
756.00	25% mud cut 75% water	8.05
1356.00	100% water	19.02
0.00	Chloride recov, 6000 ppm	0.00
0.00	resist recov, .21 at 40 degrees.	0.00

Gas Rates

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



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TOOL DIAGRAM

Evertson Operating Company, Inc.

77s/12e/Pottawatomie

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Gilsdorf #31-7
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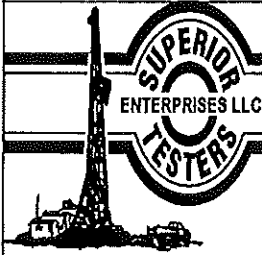
Tool Information

Drill Pipe:	Length: 2689.00 ft	Diameter: 3.80 inches	Volume: 37.72 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 280.33 ft	Diameter: 2.25 inches	Volume: 1.38 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 39.10 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.33 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	2991.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	47.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2963.00	
Shut-In Tool	5.00			2968.00	
Hydroic Tool	5.00			2973.00	
Jars	6.00			2979.00	
Safety Joint	2.00			2981.00	
Packer	5.00			2986.00	29.00 Bottom Of Top Packer
Packer	5.00			2991.00	
Perforations	13.00			3004.00	
Recorder	1.00	6663	Inside	3005.00	
Recorder	1.00	6651	Outside	3006.00	
Bullnose	3.00			3009.00	18.00 Bottom Packers & Anchor

Total Tool Length: 47.00



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FLUID SUMMARY

Evertson Operating Company, Inc.

7/7#12e/Pottawatomie

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Gilsdorf #31-7
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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: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 300.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
758.00	25% mud cut 75% w ater	8.051
1356.00	100% w ater	19.021
0.00	Chloride recov, 6000 ppm	0.000
0.00	resist recov, .21 at 40 degrees.	0.000

Total Length: 2112.00 ft Total Volume: 27.072 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 6663

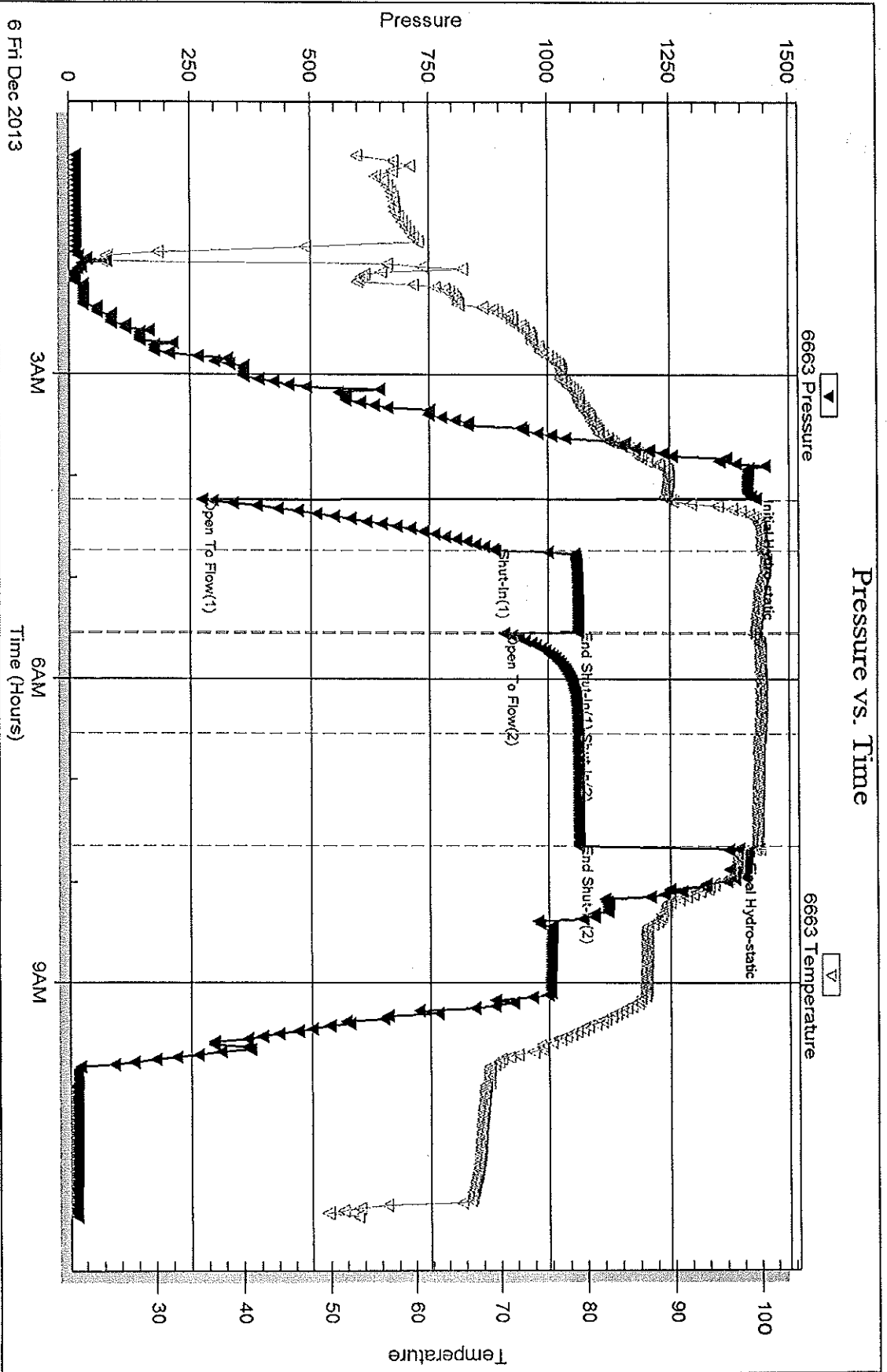
Inside

Everston Operating Company, Inc.

Gisdorf #31-7

DST Test Number: 2

Pressure vs. Time



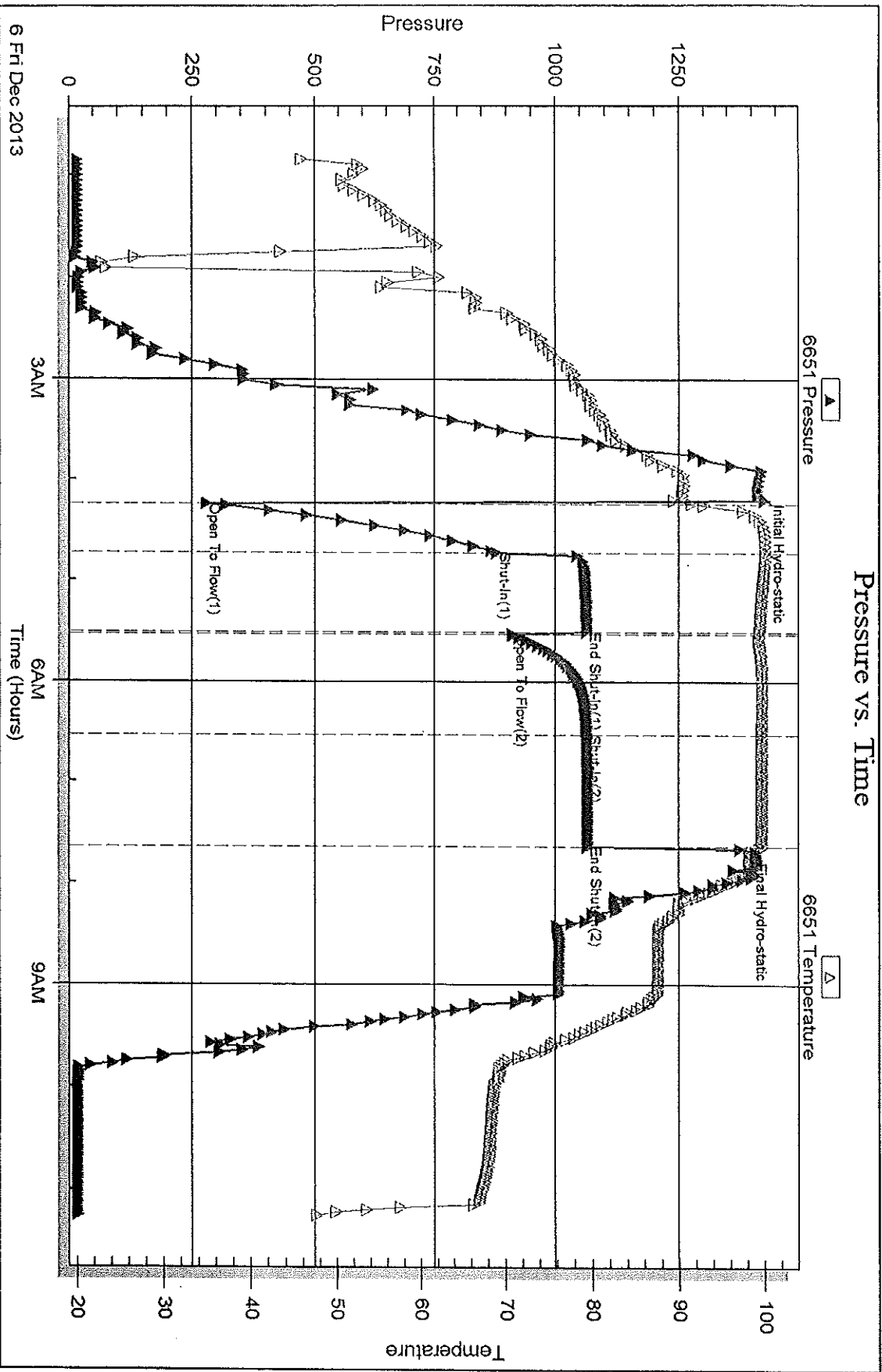
Serial #: 6651

Outside Everston Operating Company, Inc.

Glsdorf #31-7

DST Test Number: 2

Pressure vs. Time



Superior Testers Enterprises LLC

Ref. No: 18608

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