



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Woolsey Oper Co LLC

20-20s-35w

125 N Market Suite 1000
Wichita Ks 67202

Brack #2

Job Ticket: 51313

DST#: 1

ATTN: Scott Alberg

Test Start: 2012.12.01 @ 02:15:00

GENERAL INFORMATION:

Formation: **Amazonia Ditch/Marma**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:01:30

Time Test Ended: 13:12:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Wilbur Steinbeck

Unit No: 65

Interval: 4470.00 ft (KB) To 4530.00 ft (KB) (TVD)

Total Depth: 4530.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3195.00 ft (KB)

3184.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8846

Press@RunDepth: 177.34 psig @ ft (KB)

Start Date: 2012.12.01

End Date:

2012.12.01

Start Time: 02:15:15

End Time:

13:12:15

Capacity: 8000.00 psig

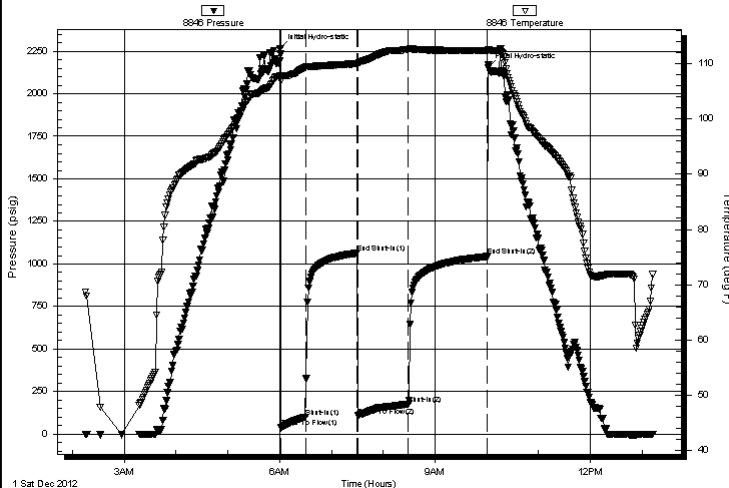
Last Calib.: 2012.12.01

Time On Btm: 2012.12.01 @ 06:00:45

Time Off Btm: 2012.12.01 @ 10:01:30

TEST COMMENT: 30 IF; Built to 4 1/2"
60 IS; No Blow
60 FF; Built to 4 1/2"
90 FS; No Blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2263.34	107.76	Initial Hydro-static
1	38.65	106.78	Open To Flow (1)
30	102.11	109.23	Shut-In(1)
90	1063.38	109.97	End Shut-In(1)
90	108.80	109.86	Open To Flow (2)
149	177.34	112.57	Shut-In(2)
240	1044.22	112.37	End Shut-In(2)
241	2150.47	112.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	Oil Spotted Mud 100%	0.49
260.00	MCW 20%M 80%W	1.86

Gas Rates

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

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20-20s-35w

125 N Market Suite 1000
Wichita Ks 67202

Brack #2

Job Ticket: 51313

DST#: 1

ATTN: Scott Alberg

Test Start: 2012.12.01 @ 02:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 10.39 in³

Resistivity: ohm.m

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	Oil Spotted Mud 100%	0.492
260.00	MCW 20%M 80%W	1.862

Total Length: 360.00 ft Total Volume: 2.354 bbl

Num Fluid Samples: 0

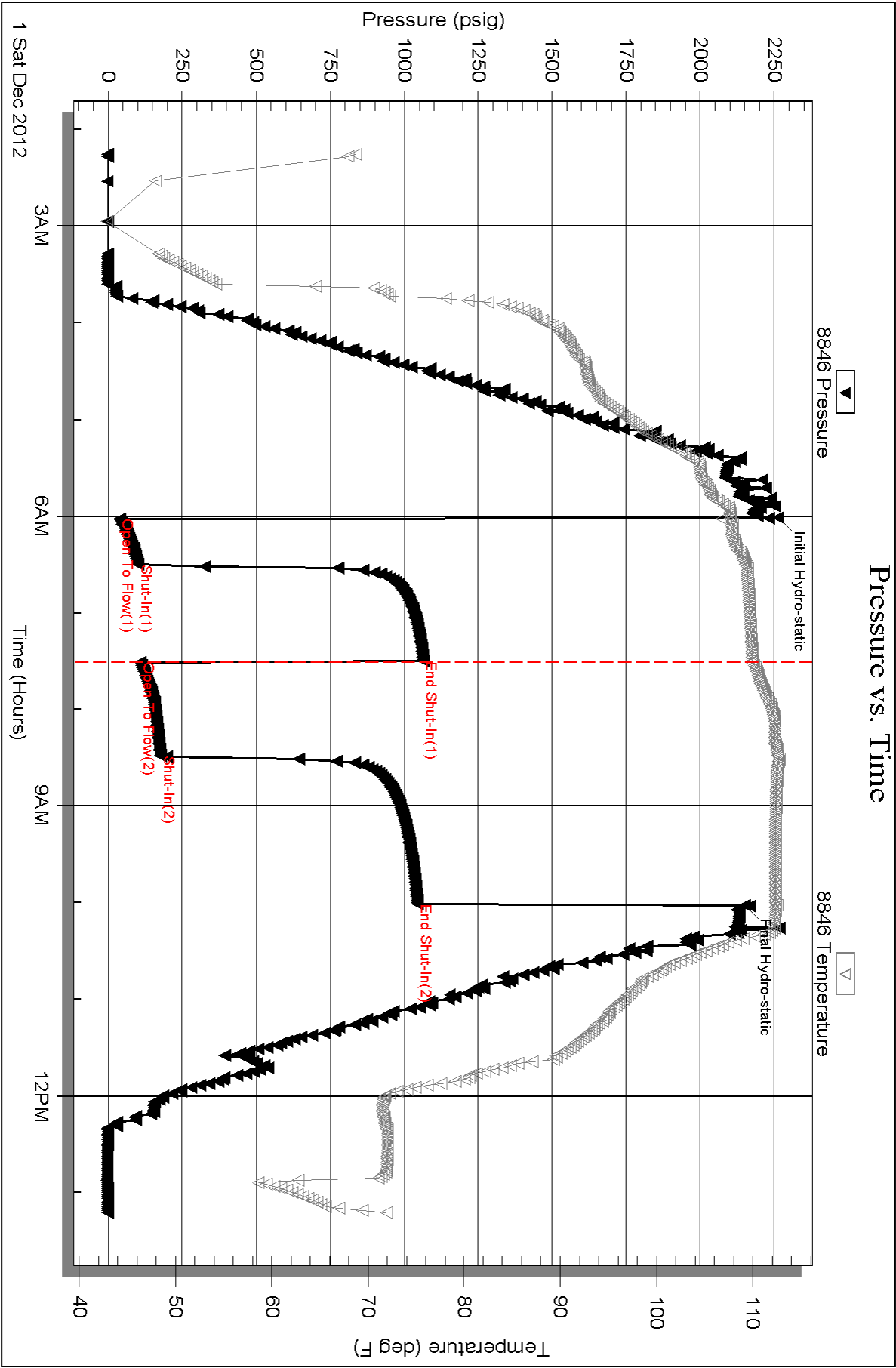
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .256@69.9=28000





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DRILL STEM TEST REPORT

Woolsey Oper Co LLC

20-20s-35w

125 N Market Suite 1000
Wichita Ks 67202

Brack #2

ATTN: Scott Alberg

Job Ticket: 51314

DST#: 2

Test Start: 2012.12.02 @ 10:15:15

GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:27:00

Time Test Ended: 19:10:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: 4639.00 ft (KB) To 4694.00 ft (KB) (TVD)

Total Depth: 4694.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3195.00 ft (KB)

3184.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8646 Inside

Press@RunDepth: 21.83 psig @ 4640.00 ft (KB)

Start Date: 2012.12.02

End Date:

2012.12.02

Start Time: 10:15:15

End Time:

19:10:00

Capacity: 8000.00 psig

Last Calib.: 2012.12.02

Time On Btm: 2012.12.02 @ 13:26:15

Time Off Btm: 2012.12.02 @ 16:33:30

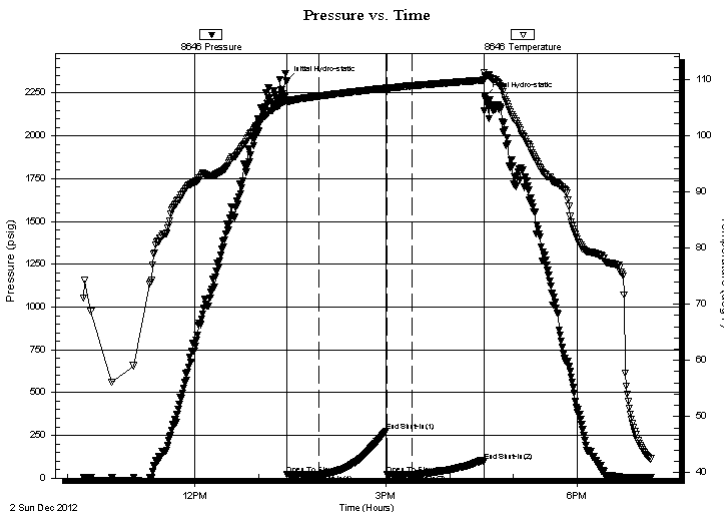
TEST COMMENT: IF:Weak blow that died in 14 min

IS:No return blow

FF:No blow

FS:No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2320.32	106.37	Initial Hydro-static
1	20.41	105.93	Open To Flow (1)
31	20.78	106.97	Shut-In(1)
94	275.83	108.40	End Shut-In(1)
95	21.14	108.28	Open To Flow (2)
119	21.83	108.83	Shut-In(2)
186	99.09	109.82	End Shut-In(2)
188	2227.75	110.48	Final Hydro-static

Recovery

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

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



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125 N Market Suite 1000
Wichita Ks 67202

Brack #2

Job Ticket: 51314

DST#: 2

ATTN: Scott Alberg

Test Start: 2012.12.02 @ 10:15:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100% m	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8646

Inside

Woodsey Oper Co LLC

Brack #2

DST Test Number: 2

