

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Damar Res Inc**

PO Box 70
Hays KS 67601

ATTN: Curtis Longpine

35-12-18 Ellis KS

Jensen # 7

Start Date: 2009.12.15 @ 05:23:59

End Date: 2009.12.15 @ 11:02:29

Job Ticket #: 36827 DST #: 1

**KCC
MAR 2 4 2010
CONFIDENTIAL**

RECEIVED

MAR 2 6 2010

KCC WICHITA

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Damar Res Inc

Jensen # 7

35-12-18 Ellis KS

DST # 1

Plattsmouth/B

2009.12.15



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Damar Res Inc

Jensen # 7

PO Box 70
Hays KS 67601

35-12-18 Ellis KS

Job Ticket: 36827

DST#: 1

ATTN: Curtis Longpine

Test Start: 2009.12.15 @ 05:23:59

GENERAL INFORMATION:

Formation: **Platts mouth/B**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:37:29
 Time Test Ended: 11:02:29
 Interval: **3261.00 ft (KB) To 3390.00 ft (KB) (TVD)**
 Total Depth: 3390.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole
 Tester: Dan Bangle
 Unit No: 38

Reference Elevations: 2088.00 ft (KB)
 2080.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8354

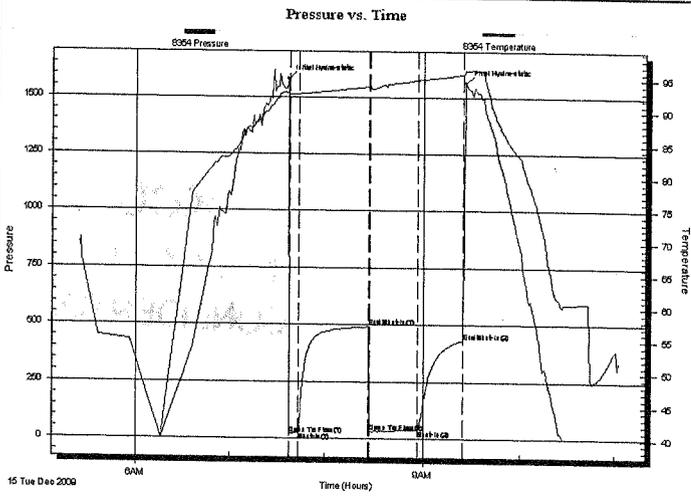
Inside

Press@RunDepth: 40.42 psig @ 3268.00 ft (KB)
 Start Date: 2009.12.15 End Date: 2009.12.15
 Start Time: 05:24:00 End Time: 11:02:29

Capacity: 8000.00 psig
 Last Calib.: 2009.12.15
 Time On Btm: 2009.12.15 @ 07:36:29
 Time Off Btm: 2009.12.15 @ 09:25:59

TEST COMMENT: IF-Weak surface blow

FF-No blow - flushed tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1578.71	92.93	Initial Hydro-static
1	19.68	92.74	Open To Flow (1)
7	27.31	92.73	Shut-In (1)
50	491.29	93.88	End Shut-In (1)
51	30.01	93.75	Open To Flow (2)
81	40.42	94.94	Shut-In (2)
108	432.06	95.77	End Shut-In (2)
110	1563.39	96.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	DM	0.36

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Damar Res Inc

Jensen # 7

PO Box 70
Hays KS 67601

35-12-18 Ellis KS

Job Ticket: 36827

DST#: 1

ATTN: Curtis Longpine

Test Start: 2009.12.15 @ 05:23:59

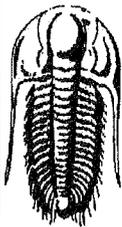
Tool Information

Drill Pipe:	Length: 3239.00 ft	Diameter: 3.80 inches	Volume: 45.43 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 45.58 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3261.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	129.00 ft			
Tool Length:	149.00 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			3242.00	
Shut In Tool	5.00			3247.00	
Hydraulic tool	5.00			3252.00	
Packer	5.00			3257.00	20.00 Bottom Of Top Packer
Packer	4.00			3261.00	
Stubb	1.00			3262.00	
Perforations	5.00			3267.00	
Change Over Sub	1.00			3268.00	
Recorder	0.00	8354	Inside	3268.00	
Recorder	0.00	8520	Outside	3268.00	
Drill Pipe	94.00			3362.00	
Change Over Sub	1.00			3363.00	
Perforations	24.00			3387.00	
Bullnose	3.00			3390.00	129.00 Bottom Packers & Anchor

Total Tool Length: 149.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Damar Res Inc

Jensen # 7

PO Box 70
Hays KS 67601

35-12-18 Ellis KS

Job Ticket: 36827

DST#: 1

ATTN: Curtis Longpine

Test Start: 2009.12.15 @ 05:23:59

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 65.00 sec/qt

Water Loss: 7.18 in³

Resistivity: ohm.m

Salinity: 1000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	DM	0.358

Total Length: 45.00 ft Total Volume: 0.358 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

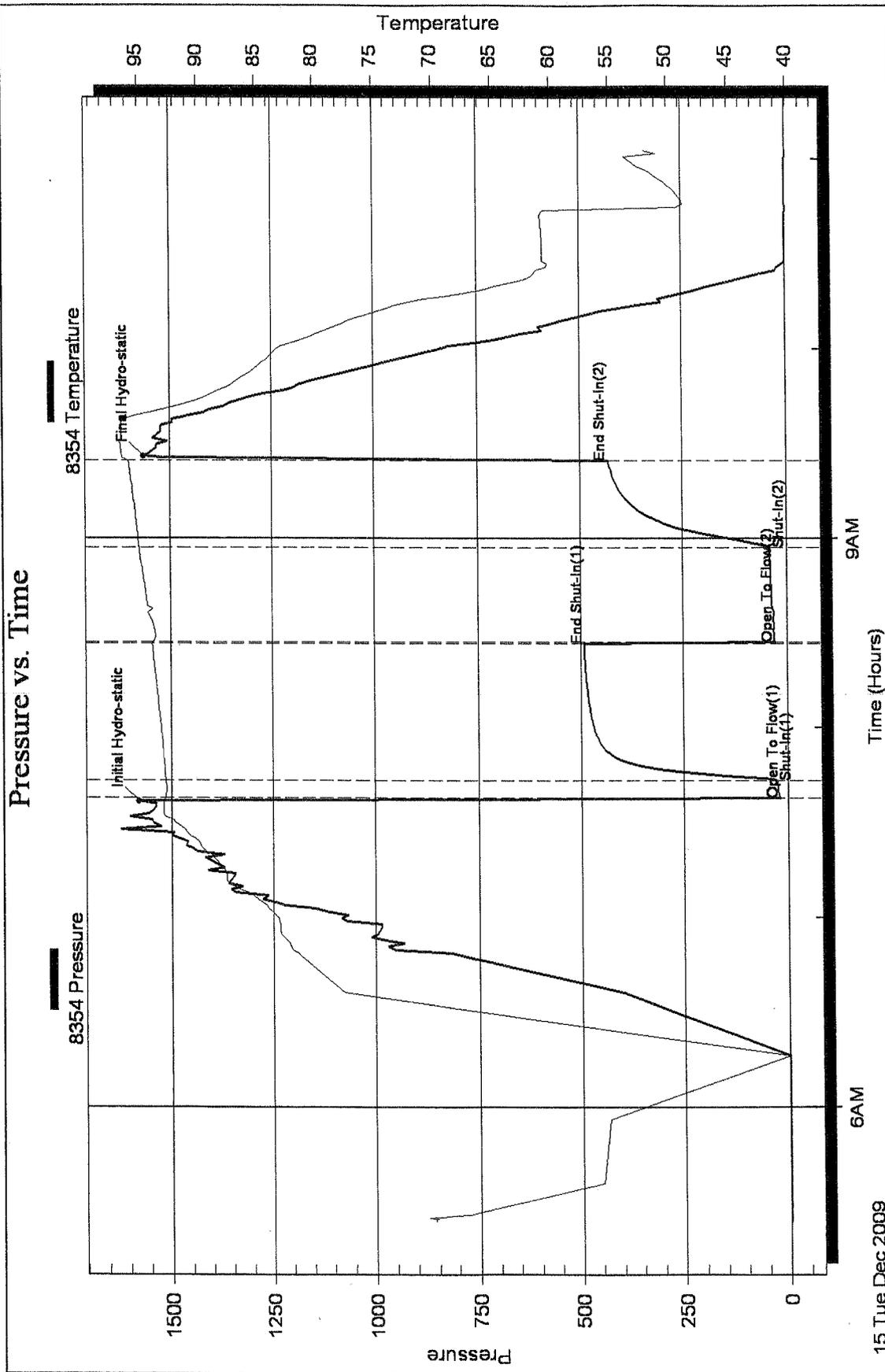
35-12-18 Ellis KS

Damar Res Inc

Inside

Serial #: 8354

Pressure vs. Time

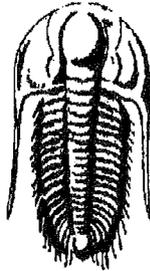


15 Tue Dec 2009

6 AM

9 AM

Time (Hours)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Damar Res Inc**

PO Box 70
Hays KS 67601

ATTN: Curtis Longpine

35-12-18 Ellis KS

Jensen # 7

Start Date: 2009.12.15 @ 19:25:48

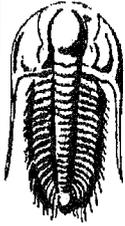
End Date: 2009.12.16 @ 02:52:18

Job Ticket #: 36828 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Damar Res Inc

Jensen # 7

PO Box 70
Hays KS 67601

35-12-18 Ellis KS

Job Ticket: 36828

DST#: 2

ATTN: Curtis Longpine

Test Start: 2009.12.15 @ 19:25:48

GENERAL INFORMATION:

Formation: **C-G LKC**

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

Time Tool Opened: 21:17:48

Time Test Ended: 02:52:18

Test Type: **Conventional Bottom Hole**

Tester: **Dan Bangle**

Unit No: **38**

Interval: 3386.00 ft (KB) To 3460.00 ft (KB) (TVD)

Total Depth: **3460.00 ft (KB) (TVD)**

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

Reference Elevations: **2088.00 ft (KB)**

2080.00 ft (CF)

KB to GR/CF: **8.00 ft**

Serial #: 8354 **Inside**

Press@RunDepth: **137.69 psig @ 3389.00 ft (KB)**

Start Date: **2009.12.15**

End Date: **2009.12.16**

Capacity: **8000.00 psig**

Start Time: **19:25:49**

End Time: **02:52:18**

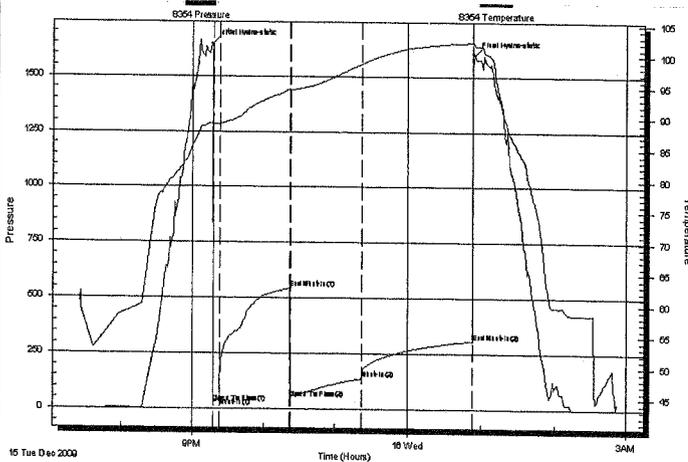
Last Calib.: **2009.12.16**

Time On Btm: **2009.12.15 @ 21:16:48**

Time Off Btm: **2009.12.16 @ 00:54:18**

TEST COMMENT: IF-Weak building to 3"
ISI-Weak steady surface blow
FF-Strong B-B in 22 min
FSI-Weak steady surface blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1644.44	89.21	Initial Hydro-static
1	25.16	88.94	Open To Flow (1)
6	46.04	89.07	Shut-In(1)
66	545.82	94.73	End Shut-In(1)
66	46.95	94.57	Open To Flow (2)
126	137.69	98.73	Shut-In(2)
216	308.55	102.19	End Shut-In(2)
218	1598.52	101.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
258.00	Mdy Wtr	3.35
0.00	Rw .08 @ 78 = 80000ppm	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Damar Res Inc

Jensen # 7

PO Box 70
Hays KS 67601

35-12-18 Ellis KS

Job Ticket: 36828

DST#: 2

ATTN: Curtis Longpine

Test Start: 2009.12.15 @ 19:25:48

Tool Information

Drill Pipe:	Length: 3365.00 ft	Diameter: 3.80 inches	Volume: 47.20 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
		Total Volume:	47.35 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3386.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	43.00 ft			
Tool Length:	63.00 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			3367.00	
Shut In Tool	5.00			3372.00	
Hydraulic tool	5.00			3377.00	
Packer	5.00			3382.00	20.00 Bottom Of Top Packer
Packer	4.00			3386.00	
Stubb	1.00			3387.00	
Perforations	1.00			3388.00	
Change Over Sub	1.00			3389.00	
Recorder	0.00	8354	Inside	3389.00	
Recorder	0.00	8520	Outside	3389.00	
Drill Pipe	31.00			3420.00	
Change Over Sub	1.00			3421.00	
Perforations	5.00			3426.00	
Bullnose	3.00			3429.00	43.00 Bottom Packers & Anchor

Total Tool Length: 63.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Damar Res Inc

Jensen # 7

PO Box 70
Hays KS 67601

35-12-18 Ellis KS

Job Ticket: 36828

DST#: 2

ATTN: Curtis Longpine

Test Start: 2009.12.15 @ 19:25:48

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 8.77 in³

Resistivity: ohm.m

Salinity: 4000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

deg API

Water Salinity:

80000 ppm

ft

bbbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
258.00	Mdy Wtr	3.346
0.00	Rw .08 @ 78 = 80000ppm	0.000

Total Length: 258.00 ft Total Volume: 3.346 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

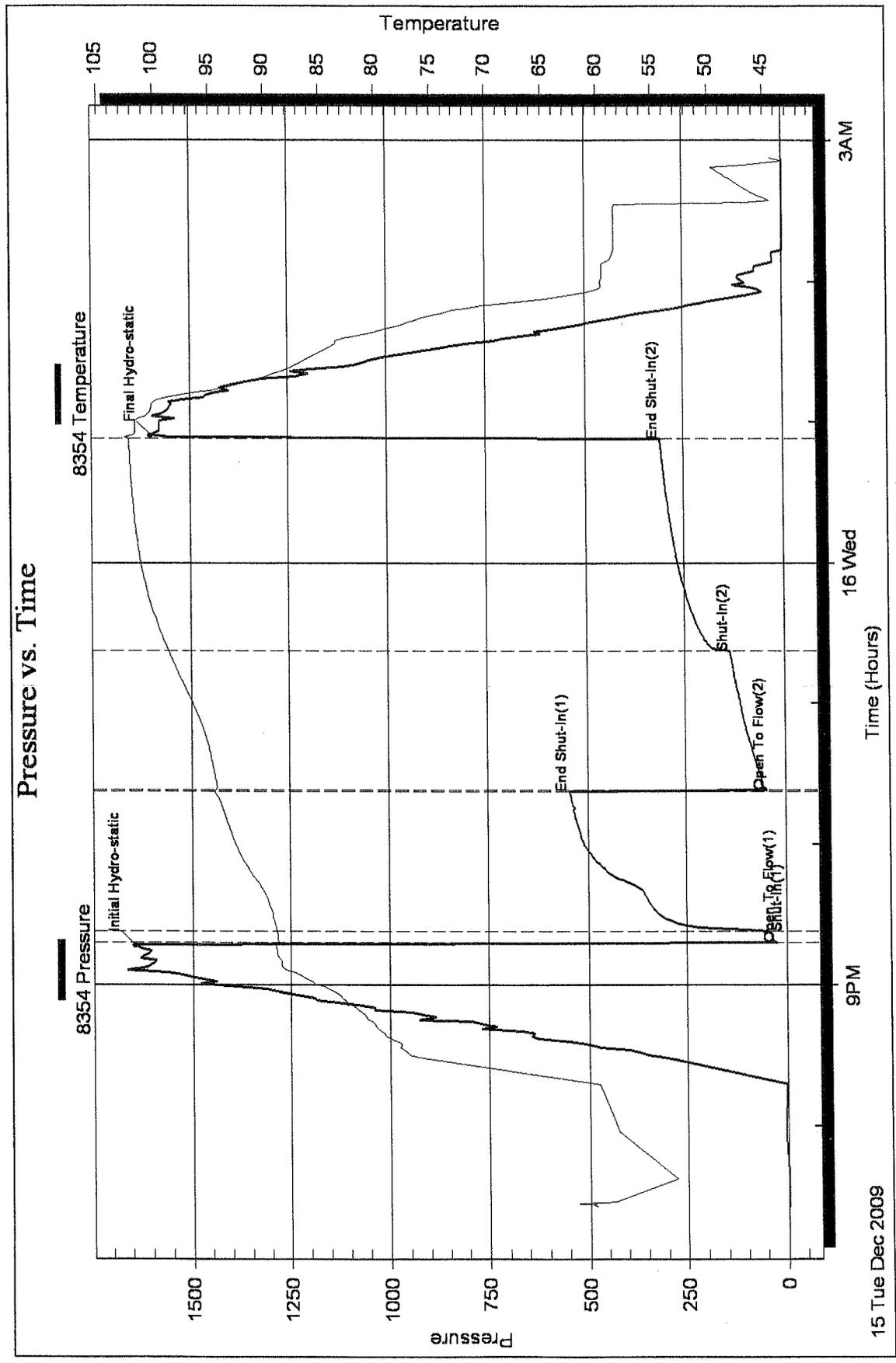
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Damar Res Inc**

PO Box 70
Hays KS 67601

ATTN: Curtis Longpine

35-12-18 Ellis KS

Jensen # 7

Start Date: 2009.12.16 @ 21:22:38

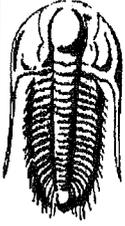
End Date: 2009.12.17 @ 04:35:38

Job Ticket #: 36829 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Damar Res Inc

Jensen # 7

PO Box 70
Hays KS 67601

35-12-18 Ellis KS

Job Ticket: 36829

DST#: 3

ATTN: Curtis Longpine

Test Start: 2009.12.16 @ 21:22:38

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:54:38
 Time Test Ended: 04:35:38

Test Type: Conventional Straddle
 Tester: Dan Bangle
 Unit No: 38

Interval: **3571.00 ft (KB) To 3647.00 ft (KB) (TVD)**
 Total Depth: 3677.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2088.00 ft (KB)
 2080.00 ft (CF)
 KB to GR/CF: 8.00 ft

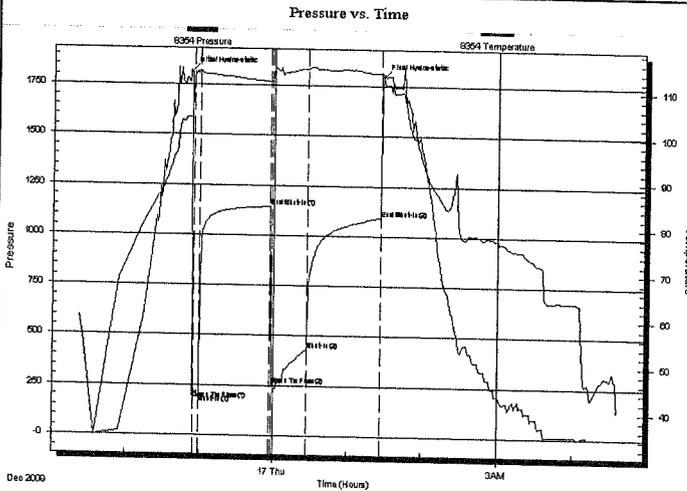
Serial #: 8354

Inside

Press@RunDepth: 432.01 psig @ 3637.00 ft (KB)
 Start Date: 2009.12.16 End Date: 2009.12.17
 Start Time: 21:22:39 End Time: 04:35:38

Capacity: 8000.00 psig
 Last Calib.: 2009.12.17
 Time On Btm: 2009.12.16 @ 22:52:38
 Time Off Btm: 2009.12.17 @ 01:28:38

TEST COMMENT: IF-Strong B-B in 1 min 15 sec
 IS-Weak steady surface blow
 FF-Strong B-B in 1 min 30 sec
 FS-Weak surface blow



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1815.47	103.87	Initial Hydro-static
2	179.80	112.34	Open To Flow (1)
7	200.23	113.93	Shut-In(1)
65	1142.22	111.76	End Shut-In(1)
66	255.49	111.58	Open To Flow (2)
95	432.01	114.62	Shut-In(2)
155	1090.26	113.65	End Shut-In(2)
156	1793.74	113.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
435.00	CGsyO 5%g 95%o	5.83
248.00	SillyMCGsyO 5%g 92%o 3%am	3.48
186.00	HMCGsyO 5%g 85%o 10%am	2.61

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Damar Res Inc

Jensen # 7

PO Box 70
Hays KS 67601

35-12-18 Ellis KS

Job Ticket: 36829

DST#: 3

ATTN: Curtis Longpine

Test Start: 2009.12.16 @ 21:22:38

Tool Information

Drill Pipe:	Length: 3551.00 ft	Diameter: 3.80 inches	Volume: 49.81 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume:	49.96 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3571.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	3647.00 ft			
Interval between Packers:	76.00 ft			
Tool Length:	126.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3552.00	
Shut In Tool	5.00			3557.00	
Hydraulic tool	5.00			3562.00	
Packer	5.00			3567.00	20.00 Bottom Of Top Packer
Packer	4.00			3571.00	
Stubb	1.00			3572.00	
Perforations	1.00			3573.00	
Change Over Sub	1.00			3574.00	
Recorder	0.00	13254	Outside	3574.00	
Drill Pipe	62.00			3636.00	
Change Over Sub	1.00			3637.00	
Recorder	0.00	8354	Inside	3637.00	
Perforations	6.00			3643.00	
Blank Off Sub	1.00			3644.00	
Blank Spacing	3.00			3647.00	76.00 Tool Interval
Packer	2.00			3649.00	
Recorder	0.00	8520	Outside	3649.00	
Perforations	25.00			3674.00	
Bullnose	3.00			3677.00	30.00 Bottom Packers & Anchor

Total Tool Length: 126.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Damar Res Inc

Jensen # 7

PO Box 70
Hays KS 67601

35-12-18 Ellis KS

Job Ticket: 36829

DST#: 3

ATTN: Curtis Longpene

Test Start: 2009.12.16 @ 21:22:38

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 8.78 in³

Resistivity: ohm.m

Salinity: 3000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

26 deg API

Water Salinity:

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
435.00	CGsyO 5%g 95%o	5.829
248.00	SltlyMCGsyO 5%g 92%o 3%m	3.479
186.00	HMCGsyO 5%g 85%o 10%m	2.609

Total Length: 869.00 ft

Total Volume: 11.917 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

