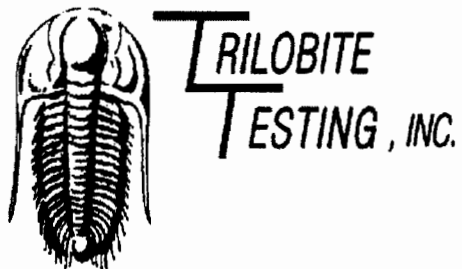


JAN 20



DRILL STEM TEST REPORT

Prepared For: **Wildcat Oil & Gas L.L.C.**

10266 SW 170 th Avenue
Nashville, KS 67112

ORIGINAL

ATTN: Tim Pierce

12-30S-9W kingmanks

Adelhart "A" #1

Start Date: 2002.07.12 @ 13:52:36

End Date: 2002.07.12 @ 18:41:36

Job Ticket #: 15736 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

ORIGINAL


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Wildcat Oil & Gas L.L.C.
10266 SW 170 th Avenue
Nashville, KS 67112
ATTN: Tim Pierce

Adelhart "A" #1

12-30S-9W kingmanks

Job Ticket: 15736

DST #: 1

Test Start: 2002.07.12 @ 13:52:36

GENERAL INFORMATION:

Formation: **Indian cave**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:10:36

Time Test Ended: 18:41:36

Test Type: Conventional Bottom Hole

Tester: Darren L. Amerine

Unit No: 19

Interval: **2350.00 ft (KB) To 2378.00 ft (KB) (TVD)**

Total Depth: 2378.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1636.00 ft (KB)

1628.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: **3302**

Inside

Press@RunDepth: 157.74 psig @ 2351.00 ft (KB)

Start Date: 2002.07.12

End Date:

2002.07.12

Capacity: 7000.00 psig

Last Calib.:

2002.07.12

Start Time: 13:52:38

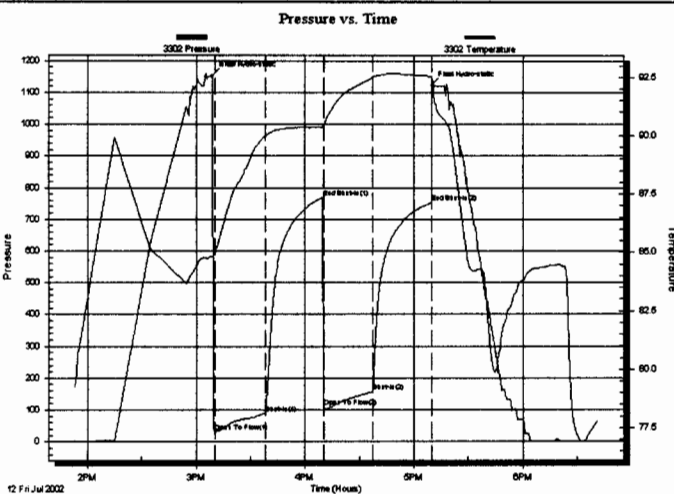
End Time:

18:41:36

Time On Btm: 2002.07.12 @ 15:08:51

Time Off Btm: 2002.07.12 @ 17:09:51

TEST COMMENT: IF: Strong blow b.o.b in 20 sec.
IS: Bled down for 2 min. 375.5 psi into shut-in. Built back to 1/4" in H₂O bucket.
FF: Strong blow b.o.b in 60 sec. gauge gas.
FS: Bled down for 5 min. built back to 1/



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1152.73	84.83	Initial Hydro-static
2	29.98	85.04	Open To Flow (1)
30	89.03	89.99	Shut-In (1)
61	769.65	90.36	End Shut-In (1)
62	109.91	90.48	Open To Flow (2)
89	157.74	92.52	Shut-In (2)
121	753.33	92.54	End Shut-In (2)
121	1123.25	92.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2045.00	01 - Gas	28.69
180.00	Gas & mud cut water	2.52
120.00	SGCWM	1.68

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		TOOL DIAGRAM		
	Wildcat Oil & Gas L.L.C. 10266 SW 170 th Avenue Nashville, KS 67112 ATTN: Tim Pierce		Adelhart "A" #1 12-30S-9W kingmanks Job Ticket: 15736 DST#: 1 Test Start: 2002.07.12 @ 13:52:36		
Tool Information					
Drill Pipe:	Length: 2348.00 ft	Diameter: 3.80 inches	Volume: 32.94 bbl	Tool Weight: 2100.00 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: 35000.00 lb	
			Total Volume: 32.94 bbl	Tool Chased 0.00 ft	
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 32000.00 lb	
Depth to Top Packer:	2350.00 ft			Final 32000.00 lb	
Depth to Bottom Packer:	ft				
Interval between Packers:	28.00 ft				
Tool Length:	49.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					
RECEIVED 10/21/02 10:00 AM					
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			2330.00	
S.I. Tool	5.00			2335.00	
HMV	5.00			2340.00	
Packer	5.00			2345.00	21.00 Bottom Of Top Packer
Packer	5.00			2350.00	
Stubb	1.00			2351.00	
Recorder	0.00	3302	Inside	2351.00	
Anchor	25.00			2376.00	
Recorder	0.00	10991	Outside	2376.00	
Bullnose	2.00			2378.00	28.00 Bottom Packers & Anchor
Total Tool Length:		49.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Wildcat Oil & Gas L.L.C.

Adelhart "A" #1

10266 SW 170 th Avenue
Nashville, KS 67112

12-30S-9W kingmanks

Job Ticket: 15736

DST#: 1

ATTN: Tim Pierce

Test Start: 2002.07.12 @ 13:52:36

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:

77000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: 0.32 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2045.00	01 - Gas	28.686
180.00	Gas & mud cut water	2.525
120.00	SGCWM	1.683

Total Length: 2345.00 ft Total Volume: 32.894 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .7@79 deg.

DST Test Number: 1

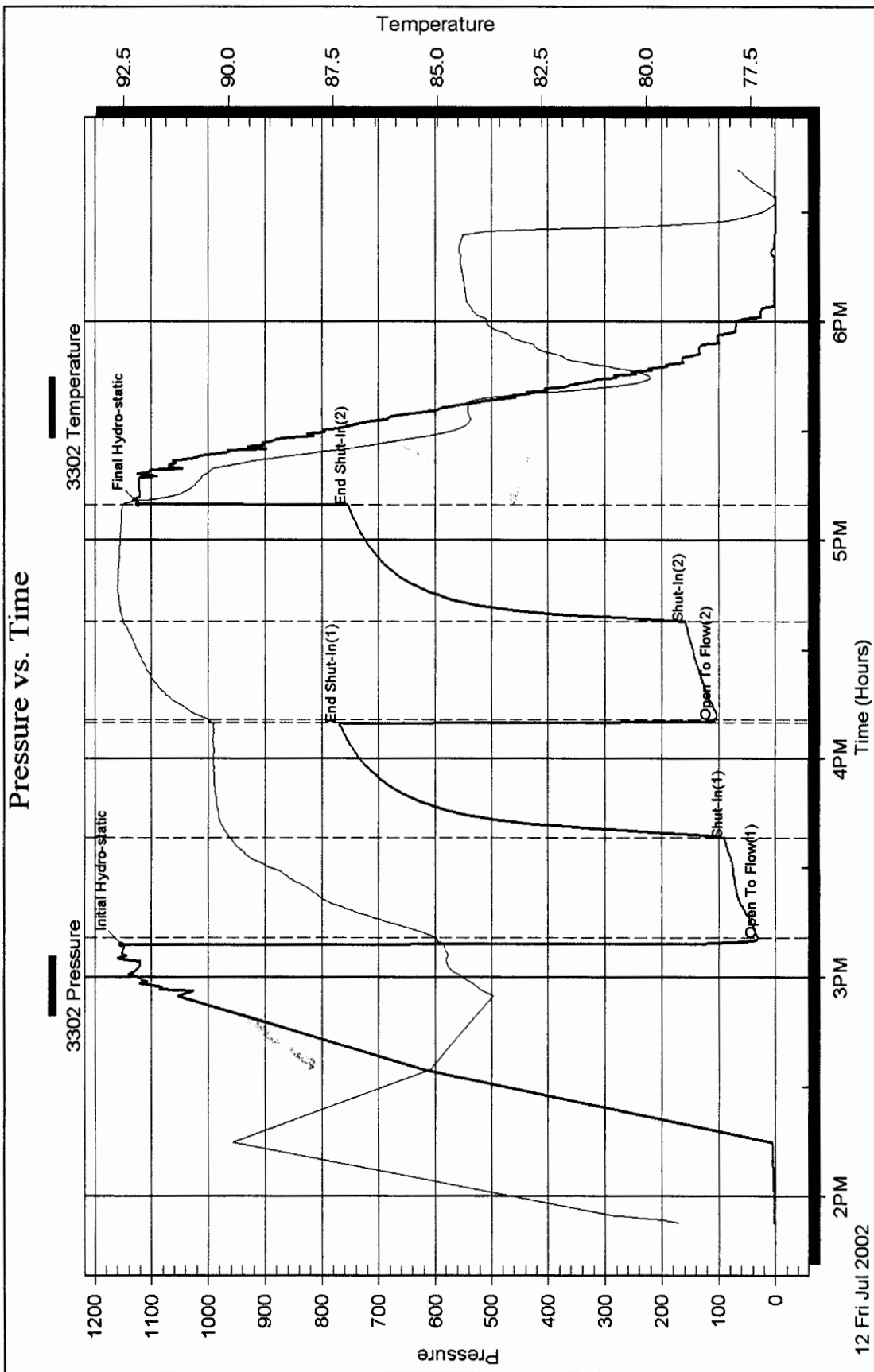
12-30S-9W Kingmarks

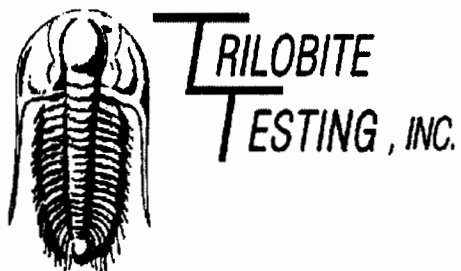
Wildcat Oil & Gas L.L.C.

Inside

Serial #: 3302

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Wildcat Oil & Gas L.L.C.**

10266 SW 170 th Avenue
Nashville, KS 67112

RECEIVED
10/21/02
10012101

ATTN: Tim Pierce

12-30S-9W kingmanks

Adelhart "A" #1

Start Date: 2002.07.15 @ 22:59:23

End Date: 2002.07.16 @ 05:23:53

Job Ticket #: 15737 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Wildcat Oil & Gas L.L.C.

10266 SW 170 th Avenue
Nashville, KS 67112

ATTN: Tim Pierce

Adelhart "A" #1

12-30S-9W kingmanks

Job Ticket: 15737

DST#: 2

Test Start: 2002.07.15 @ 22:59:23

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:31:38

Time Test Ended: 05:23:53

Test Type: Conventional Bottom Hole

Tester: Darren L. Amerine

Unit No: 19

Interval: **4228.00 ft (KB) To 4240.00 ft (KB) (TVD)**

Total Depth: 4240.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1636.00 ft (KB)

1628.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 3302

Inside

Press@RunDepth: 204.76 psig @ 4229.00 ft (KB)

Start Date: 2002.07.15

End Date: 2002.07.16

Start Time: 22:59:25

End Time: 05:23:53

Capacity: 7000.00 psig

Last Calib.: 2002.07.16

Time On Btm: 2002.07.16 @ 00:21:23

Time Off Btm: 2002.07.16 @ 03:51:23

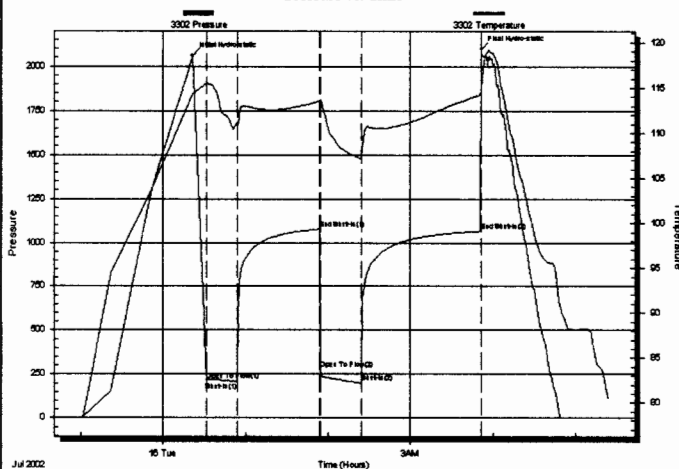
TEST COMMENT: IF: Strong blow b.o.b in 15 sec. GTS in 2-1/2 min gauge gas.

IS: Bled down n for 13 min. Very weak surface blow back.

FF: Strong blow b.o.b in 15 sec. gauge gas.

FS: Bled down n for 20 min. no blow back.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2060.43	114.33	Initial Hydro-static
11	216.96	115.52	Open To Flow (1)
33	205.70	111.14	Shut-In (1)
93	1077.03	113.53	End Shut-In (1)
94	280.71	113.71	Open To Flow (2)
124	204.76	107.14	Shut-In (2)
210	1066.03	114.29	End Shut-In (2)
210	2096.90	114.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4185.00	01 - Gas	58.70
45.00	Gas&w ater cut mud	0.63

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	65.00	1240.22
Last Gas Rate	0.75	68.00	1287.08
Max. Gas Rate	0.75	75.00	1396.41



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Wildcat Oil & Gas L.L.C.

Adelhart "A" #1

10266 SW 170 th Avenue
Nashville, KS 67112

12-30S-9W kingmanks

Job Ticket: 15737

DST #: 2

ATTN: Tim Pierce

Test Start: 2002.07.15 @ 22:59:23

Tool Information

Drill Pipe:	Length: 4235.00 ft	Diameter: 3.80 inches	Volume: 59.41 bbl	Tool Weight: 2100.00 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: 50000.00 lb
			Total Volume: 59.41 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	4228.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	33.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4208.00	
S.I. Tool	5.00			4213.00	
HMV	5.00			4218.00	
Packer	5.00			4223.00	21.00 Bottom Of Top Packer
Packer	5.00			4228.00	
Stubb	1.00			4229.00	
Recorder	0.00	3302	Inside	4229.00	
Anchor	9.00			4238.00	
Recorder	0.00	10991	Outside	4238.00	
Bullnose	2.00			4240.00	12.00 Bottom Packers & Anchor
Total Tool Length:	33.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Wildcat Oil & Gas L.L.C.

Adelhart "A" #1

10266 SW 170 th Avenue
Nashville, KS 67112

12-30S-9W kingmanks

Job Ticket: 15737

DST#: 2

ATTN: Tim Pierce

Test Start: 2002.07.15 @ 22:59:23

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:

24000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.99 in³

Gas Cushion Type:

Resistivity: 1.80 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.32 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
4185.00	01 - Gas	58.705
45.00	Gas&water cut mud	0.631

Total Length: 4230.00 ft

Total Volume: 59.336 bbl

Num Fluid Samples: 1

Num Gas Bombs: 0

Serial #:

Laboratory Name: Caraway

Laboratory Location: Liberal KS

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Wildcat Oil & Gas L.L.C.

Adelhart "A" #1

10266 SW 170 th Avenue
Nashville, KS 67112

12-30S-9W kingmanks

Job Ticket: 15737

DST#: 2

ATTN: Tim Pierce

Test Start: 2002.07.15 @ 22:59:23

Gas Rates Information

Temperature: 59 deg C

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m³/d)
1	12	0.75	65.00	1240.22
1	12	0.75	65.00	1240.22
1	22	0.75	65.00	1240.22
1	30	0.75	65.00	1240.22
2	10	0.75	75.00	1396.41
2	20	0.75	68.00	1287.08

Pressure vs. Time

