

15-175-21821



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

KCC

Prepared For: Heimerich & Payne In

JUN 5 2001 1579 East 21st street
Fm OK 74114

CONFIDENTIAL

ATTN: Wes Hansen

ORIGINAL
17-31S-34W Seward KS

RELEASED
Home Royalty A-5

Start Date: 2001.02.26 @ 12:45:00

End Date: 2001.02.26 @ 23:45:00

Job Ticket #: 13512

FROM CONFIDENTIAL

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

KCC


TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

JUN 13 2001

Heimerich & Payne Inc

1579 East 21st street
Tulsa OK 74114

ATTN: Wes Hansen

ORIGINAL

Home Royalty A-5

47-31S-34W Seward KS

Job Ticket: 13512

DST#: 1

Test Start: 2001.02.26 @ 12:15:00

CONFIDENTIAL

GENERAL INFORMATION:

Formation: **Kansas City "B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:27:52

Time Test Ended: 23:45:00

Interval: ⁴⁶⁰² 4628.00 ft (KB) To ⁴⁶²⁰ 4640.00 ft (KB) (TVD)

Total Depth: 4646.00 ft (KB)

Hole Diameter: 7.78 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Blake Wallace

Unit No: 17

Reference Elevations: 2866.00 ft (KB)

2855.00 ft (CF)

KB to GR/CF: 11.00 ft

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RELEASED

AUG 11 2003

Serial #: 2350

Inside

Press@RunDepth: 136.61 psig @ 4634.00 ft (KB)

Start Date: 2001.02.26

End Date:

2001.02.26

Start Time: 12:26:38

End Time:

23:41:07

Capacity: 7000.00 psig

Last Calib.: 2001.02.25

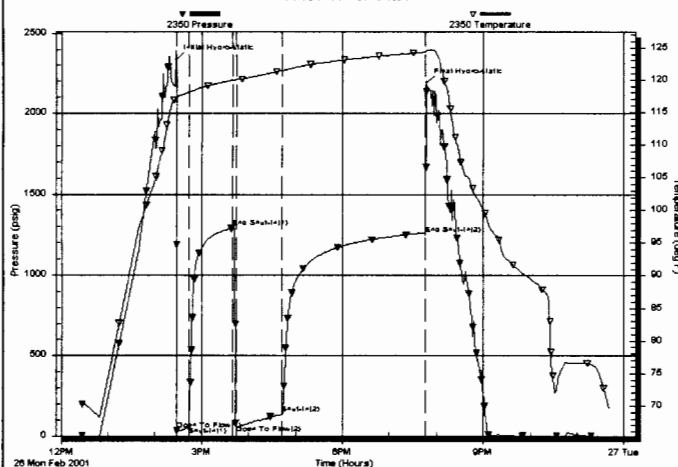
Time On Btm: 2001.02.26 @ 14:27:37

Time Off Btm: 2001.02.26 @ 19:47:37

FROM CONFIDENTIAL

TEST COMMENT: RW= .131 @ 58 deg. 95000 chlorides
 24.8 cubic ft of gas @ 800#
 2200 Ml of oil 1st opening- strong blow B.O.B 2 min
 IS- no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
121	2336.28	117.47	Initial Hydro-static
122	34.71	116.81	Open To Flow (1)
137	49.43	118.12	Shut-In (1)
193	1290.10	119.97	End Shut-In (1)
197	61.13	120.19	Open To Flow (2)
257	136.61	121.47	Shut-In (2)
440	1247.20	124.36	End Shut-In (2)
441	2190.84	124.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	5% gas 95% oil	0.30
120.00	75% gas 25% oil	0.59
90.00	30% gas 70% oil	0.44
30.00	5% oil 45% salt water 50% mud	0.15

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Heimerich & Payne In

Home Royalty A-5

1579 East 21st street
Tulsa OK 74114

17-31S-34W Seward KS

Job Ticket: 13512

DST#: 1

ATTN: Wes Hansen

Test Start: 2001.02.26 @ 12:15:00

Tool Information

Drill Pipe: Length: 3865.00 ft Diameter: 3.80 inches Volume: 54.22 bbl Tool Weight: 1800.00 lb
Drill Collar: Length: 740.00 ft Diameter: 2.25 inches Volume: 3.64 bbl Weight set on Packer: 30000.00 lb
Heavy Wt. Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl Weight to Pull Loose: 140000.0 lb
Drill Pipe Above KB: 7.00 ft Tool Chased 0.00 ft
Depth to Top Packer: 4624.00 ft String Weight: Initial 70000.00 lb
Depth to Bottom Packer: ft Final 76000.00 lb
Interval between Packers: ft
Tool Length: 48.00 ft
Number of Packers: 2 Diameter: 6.75 inches

Tool Comments

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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C.O. Sub	1.00			4599.00	
S.I. Tool	5.00			4604.00	
Sampler	3.00			4607.00	
HMV	5.00			4612.00	
Jars	5.00			4617.00	
Safety Joint	2.00			4619.00	
Packer	5.00			4624.00	26.00 Bottom Of Top Packer
Packer	4.00			4628.00	
Stubb	1.00			4629.00	
Perforations	5.00			4634.00	
Recorder	0.00	2350	Inside	4634.00	
P.O. Sub	5.00			4639.00	
Perforations	5.00			4644.00	
Recorder	0.00	13277	Outside	4644.00	
Bullnose	2.00			4646.00	22.00 Bottom Packers & Anchor

Total Tool Length: 48.00

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JUN 13 2001

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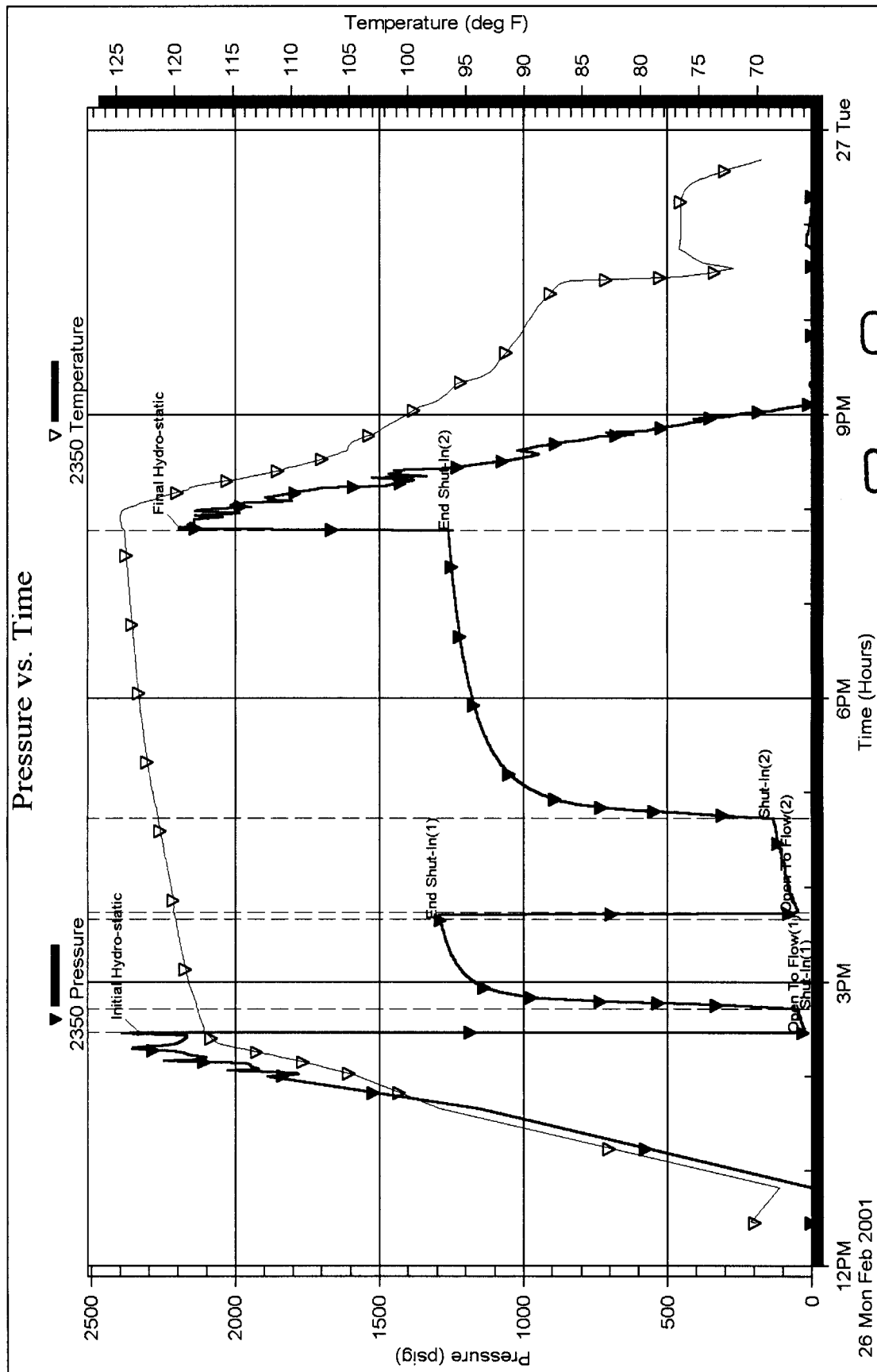
17-31S-34W Sew and KS

Heimerich & Payne In

Inside

Serial #: 2350

Pressure vs. Time



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JUN 5 2001

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ORIGINAL

CONFIDENTIAL

Ref. No: 13512

Trilobite Testing, Inc



DRILL STEM TEST REPORT

Prepared For: **Heimerich & Payne In**

1579 East 21st street
Tulsa OK 74114

ATTN: Wes Hansen

17-31S-34W Seward

Home Royalty A-5

Start Date: 2001.03.02 @ 22:15:00

End Date: 2001.03.03 @ 10:15:00

Job Ticket #: 13514 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

Heimerich & Payne In

1579 East 21st street
Tulsa OK 74114

ATTN: Wes Hansen

Home Royalty A-5

17-31S-34W Seward

Job Ticket: 13514

DST#: 2

Test Start: 2001.03.02 @ 22:15:00

GENERAL INFORMATION:

Formation: **Chester sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:37:57

Time Test Ended: 10:15:00

Test Type: Conventional Bottom Hole

Tester: Blake Wallace

Unit No: 17

Interval: **5603.00 ft (KB) To 5615.00 ft (KB) (TVD)**

Total Depth: 5615.00 ft (KB)

Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 2866.00 ft (KB)

2855.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: **2350** Inside

Press@RunDepth: 52.35 psig @ 5605.00 ft (KB)

Start Date: 2001.03.02

End Date: 2001.03.03

Start Time: 21:55:13

End Time: 10:15:57

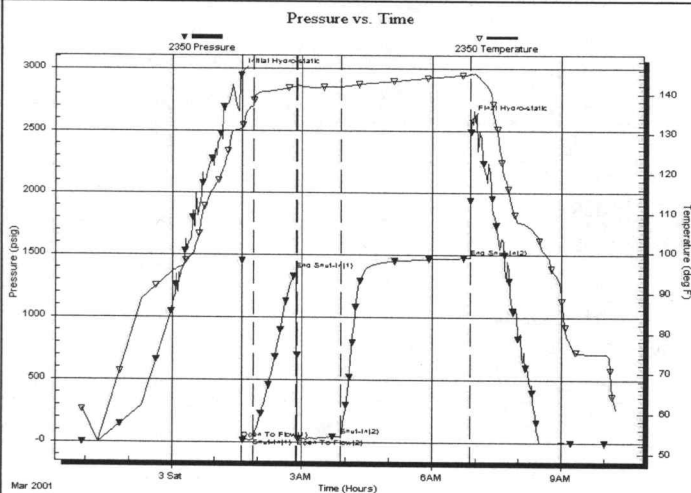
Capacity: 7000.00 psig

Last Calib.: 2001.03.02

Time On Btm: 2001.03.03 @ 01:36:12

Time Off Btm: 2001.03.03 @ 06:53:57

TEST COMMENT: Sampler Data
3.1 cu. ft. gas @ 850# 1st opening- fair blow built to 8"
ISI-no blow back
2nd opening-fair blow B.O.B as soon as open



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
221	2965.49	131.38	Initial Hydro-static
223	17.98	131.41	Open To Flow (1)
238	29.70	137.30	Shut-In(1)
298	1372.10	141.94	End Shut-In(1)
299	30.44	142.33	Open To Flow (2)
359	52.35	141.91	Shut-In(2)
538	1478.05	144.91	End Shut-In(2)
539	2593.31	145.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	2135' gas in pipe	0.00
60.00	10% oil 90% drilg mud	0.30
60.00	40% oil 60% gas	0.30

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Heimerich & Payne In

Home Royalty A-5

1579 East 21st street
Tulsa OK 74114

17-31S-34W Seward

Job Ticket: 13514

DST#: 2

ATTN: Wes Hansen

Test Start: 2001.03.02 @ 22:15:00

Tool Information

Drill Pipe:	Length: 4881.00 ft	Diameter: 3.80 inches	Volume: 68.47 bbl	Tool Weight: 1800.00 lb
Drill Collar:	Length: 708.00 ft	Diameter: 2.25 inches	Volume: 3.48 bbl	Weight set on Packer: 30000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 119000.0 lb
Drill Pipe Above KB:	16.00 ft			Tool Chased 0.00 ft
Depth to Top Packer:	5599.00 ft			String Weight: Initial 100000.0 lb
Depth to Bottom Packer:	ft			Final 110000.0 lb
Interval between Packers:	ft			
Tool Length:	42.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

C.O. Sub	1.00			5574.00	
S.I. Tool	5.00			5579.00	
Sampler	3.00			5582.00	
HMV	5.00			5587.00	
Jars	5.00			5592.00	
Safety Joint	2.00			5594.00	
Packer	5.00			5599.00	26.00 Bottom Of Top Packer
Packer	4.00			5603.00	
Stubb	1.00			5604.00	
Perforations	1.00			5605.00	
Recorder	0.00	2350	Inside	5605.00	
P.O. Sub	5.00			5610.00	
Perforations	3.00			5613.00	
Recorder	0.00	13277	Outside	5613.00	
Bullnose	2.00			5615.00	16.00 Bottom Packers & Anchor

Total Tool Length: 42.00

Pressure vs. Time

