



DRILL STEM TEST REPORT

Prepared For: **Raydon Exploration I**

9400 N. Broadway Ste. 400 Oklahoma City
OK 73114

ATTN: Ed Grieves

23-34-30 Mead co KS

Cimarron#1-23

Start Date: 2001.01.25 @ 05:00:00

End Date: 2001.01.25 @ 14:00:00

Job Ticket #: 13502 DST #: 1

Trilobite Testing Inc.

Box 362 Hays KS 67601

785.625.4778 trilobite@eaglecom.net



DRILL STEM TEST REPORT

Raydon Exploration I

Cimarron#1-23

9400 N. Broadway Ste. 400 Oklahoma City OK
73114

23-34-30 Mead co KS

Job Ticket: 13502

DST#: 1

ATTN: Ed Grieves

Test Start: 2001.01.25 @ 05:00:00

GENERAL INFORMATION:

Formation: Chase

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:30:45

Time Test Ended: 14:00:00

Test Type: Conventional Straddle

Tester: Blake Wallace

Unit No: 17

Interval: 2740.00 ft (KB) To 2770.00 ft (KB) (TVD)

Total Depth: 2840.00 ft (KB)

Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 2688.00 ft (KB)

2677.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 3026

Inside

Press@RunDepth: 111.93 psig @ 2749.00 ft (KB)

Start Date: 2001.01.25

End Date:

2001.01.25

Capacity: 7000.00 psig

Last Calib.: 2001.01.25

Start Time: 05:27:16

End Time:

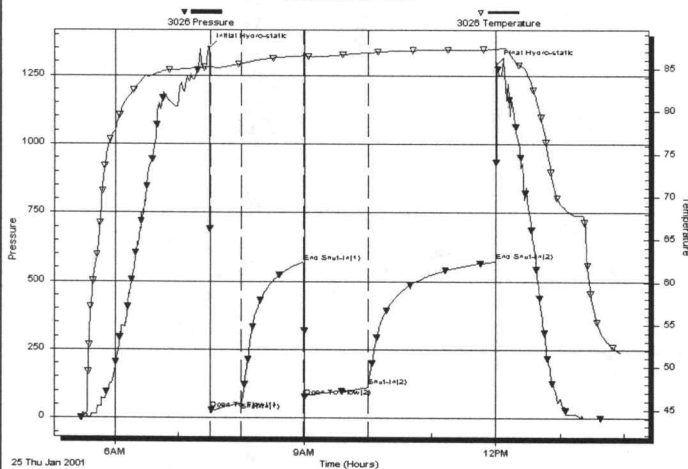
13:58:15

Time On Btm: 2001.01.25 @ 07:29:15

Time Off Btm: 2001.01.25 @ 12:00:45

TEST COMMENT: 1st opening- weak blow built to 4 inches bled off to 1.5 inches
ISI-no blow back
2nd opening-weak surface blow built to 2.5 inches deied off
FSI-no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
122	1351.24	85.22	Initial Hydro-static
124	30.02	85.20	Open To Flow (1)
153	54.67	85.62	Shut-In(1)
212	564.95	86.52	End Shut-In(1)
213	76.18	86.54	Open To Flow (2)
272	111.93	86.90	Shut-In(2)
392	572.28	87.31	End Shut-In(2)
394	1292.30	87.33	Final Hydro-static

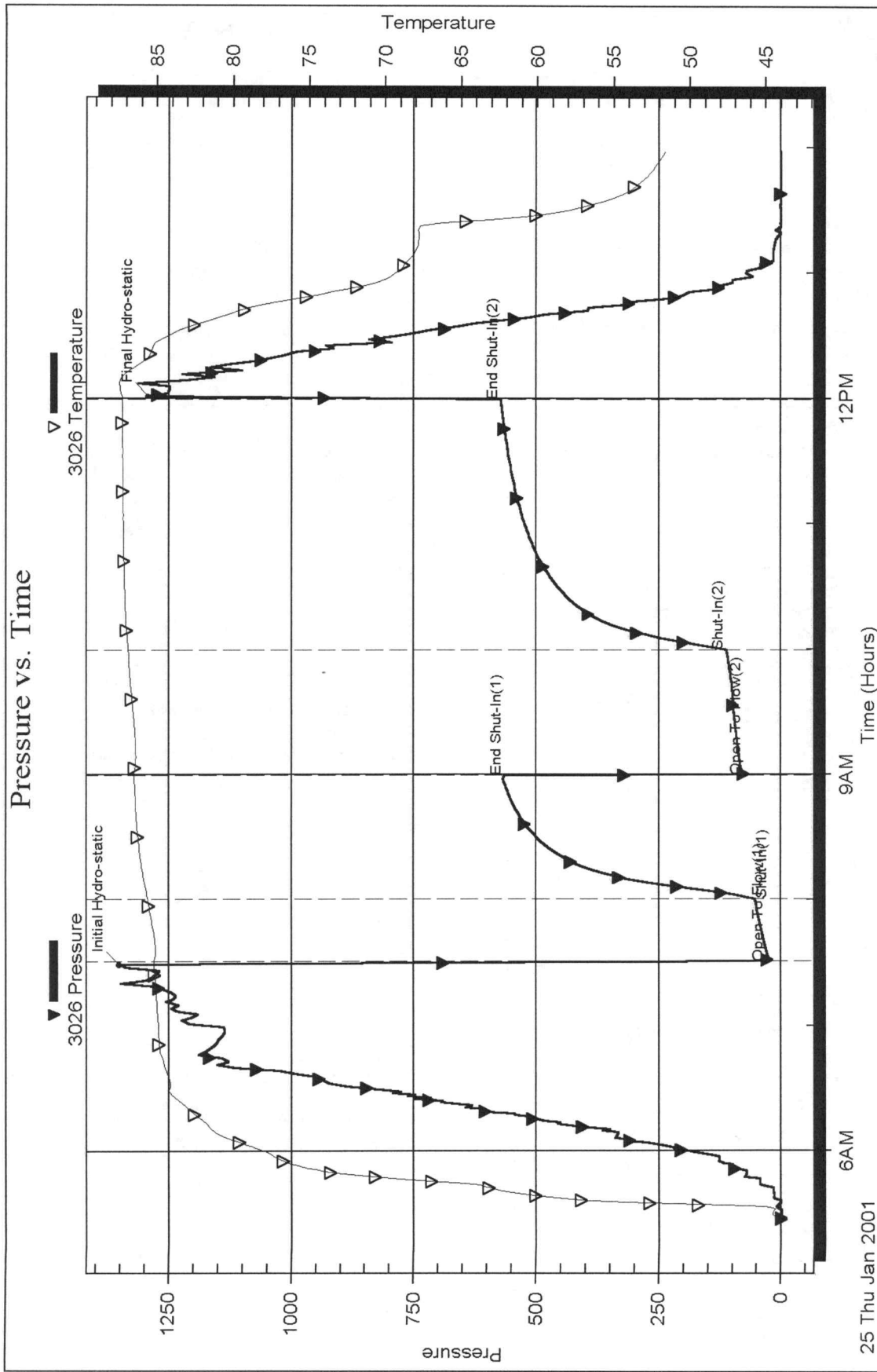
Recovery

Length (ft)	Description	Volume (bbl)
205.00	90% Mud 10% Gas	1.01

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Pressure vs. Time





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Prepared For: **Raydon Exploration I**

9400 N. Broadway Ste. 400 Oklahoma City
OK 73114

ATTN: Ed Grieves

23-34-30 Mead co KS

Cimarron#1-23

Start Date: 2001.01.30 @ 17:00:00

End Date: 2001.01.31 @ 03:00:00

Job Ticket #: 13503 DST #: 2

Trilobite Testing Inc.

Box 362 Hays KS 67601

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DRILL STEM TEST REPORT

Raydon Exploration I

Cimarron#1-23

9400 N. Broadway Ste. 400 Oklahoma City OK
73114

23-34-30 Mead co KS

ATTN: Ed Grieves

Job Ticket: 13503

DST#: 2

Test Start: 2001.01.30 @ 17:00:00

GENERAL INFORMATION:

Formation: **Kansas City**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:21:54

Time Test Ended: 03:00:00

Test Type: Conventional Bottom Hole

Tester: Blake Wallace

Unit No: 17

Interval: **5158.00 ft (KB) To 5206.00 ft (KB) (TVD)**

Total Depth: 5206.00 ft (KB)

Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 2688.00 ft (KB)

2677.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: **3026** Inside

Press@RunDepth: 526.21 psig @ 5161.00 ft (KB)

Start Date: 2001.01.30

End Date:

2001.01.31

Start Time: 17:17:25

End Time:

03:33:54

Capacity: 7000.00 psig

Last Calib.: 2001.01.30

Time On Btm: 2001.01.30 @ 19:19:54

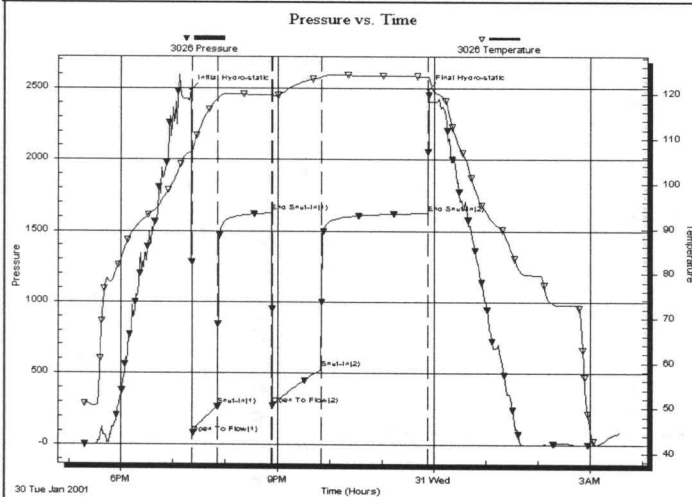
Time Off Btm: 2001.01.30 @ 23:53:24

TEST COMMENT: RW 1.823 Chlorides 95000 1st opening- fair blow B.O.B in 11 min.

ISI- no blow back

2nd opening- fair blow B.O.B in 18 min.

FSI- no blow back



PRESSURE SUMMARY

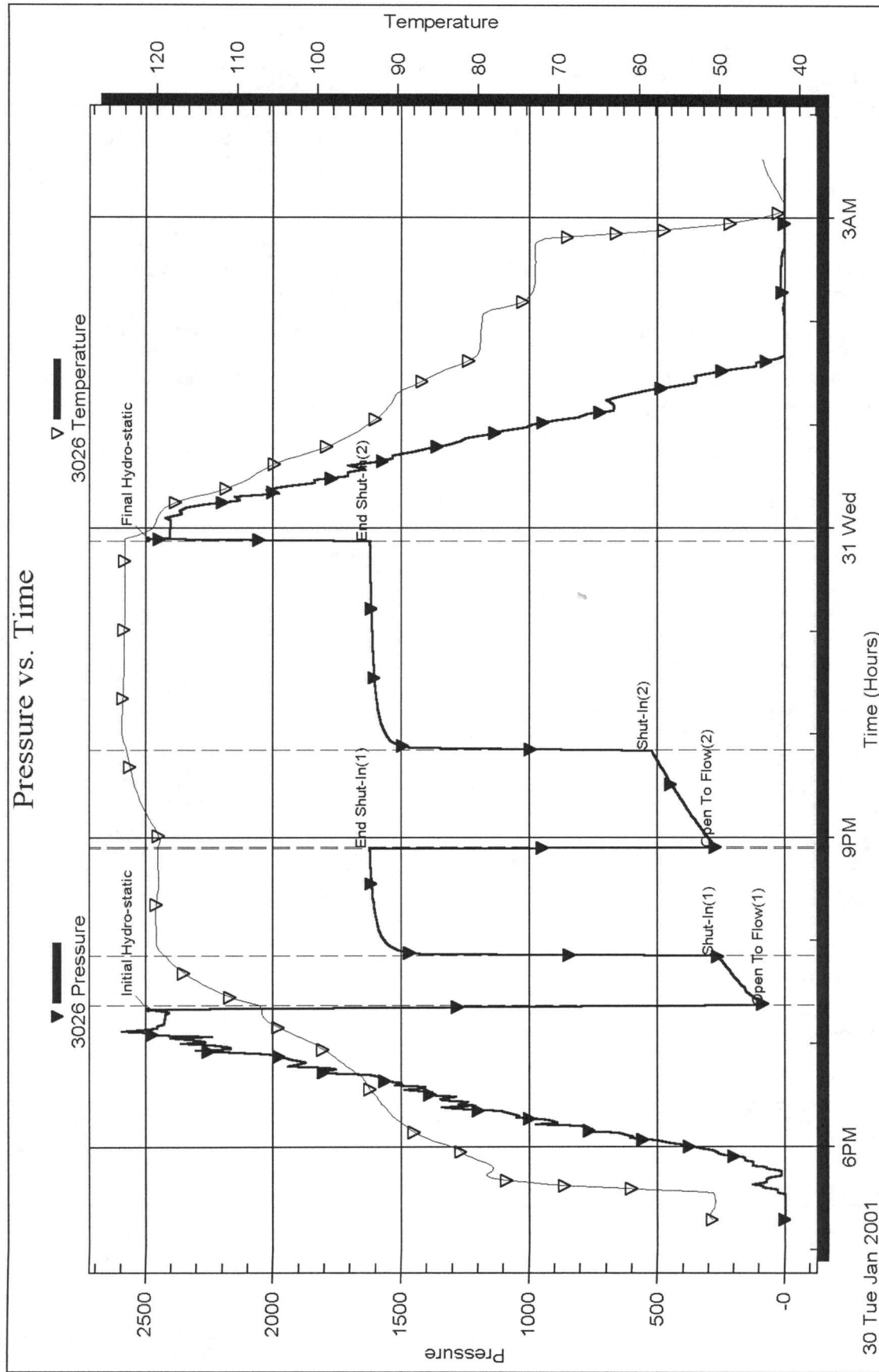
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
123	2489.04	106.86	Initial Hydro-static
125	73.62	107.15	Open To Flow (1)
154	268.46	118.99	Shut-In(1)
216	1623.85	119.93	End Shut-In(1)
217	275.35	119.88	Open To Flow (2)
273	526.21	123.79	Shut-In(2)
395	1621.16	124.05	End Shut-In(2)
396	2489.88	124.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Drig mud	0.30
180.00	muddy water	0.93
256.00	salt water	3.59

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

Prepared For: **Raydon Exploration I**

9400 N. Broadway Ste. 400 Oklahoma City
OK 73114

ATTN: Ed Grieves

23-34-30 Meade co KS

Cimarron#1-23

Start Date: 2001.02.03 @ 19:25:00

End Date: 2001.02.03 @ 01:55:00

Job Ticket #: 13453 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
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DRILL STEM TEST REPORT

Raydon Exploration I

Cimarron#1-23

9400 N. Broadway Ste. 400 Oklahoma City OK
73114

23-34-30 Meade co KS

Job Ticket: 13453

DST #: 3

ATTN: Ed Grieves

Test Start: 2001.02.03 @ 19:25:00

GENERAL INFORMATION:

Formation: **Morrow sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:28:53

Time Test Ended: 01:55:00

Test Type: Conventional Bottom Hole

Tester: Mike Colantonio

Unit No: 20

Interval: **5855.00 ft (KB) To 5910.00 ft (KB) (TVD)**

Total Depth: 5910.00 ft (KB)

Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 2688.00 ft (KB)

2677.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: **3027** Inside

Press@RunDepth: 37.62 psig @ 5860.00 ft (KB)

Start Date: 2001.02.02 End Date: 2001.02.03

Start Time: 19:23:55 End Time: 05:19:53

Capacity: 7000.00 psig

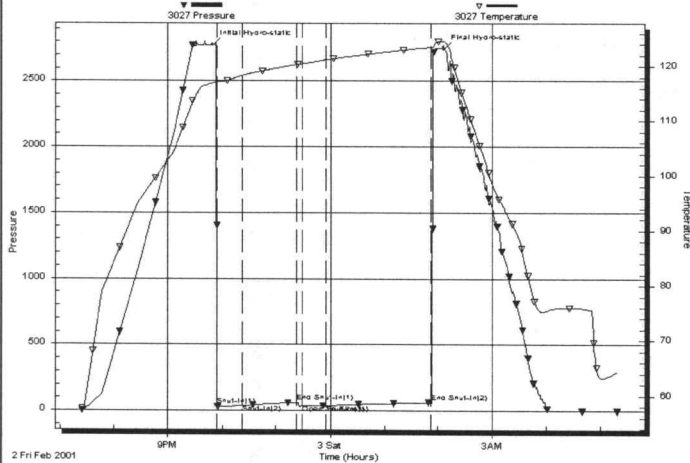
Last Calib.: 2001.02.02

Time On Btm: 2001.02.02 @ 21:49:38

Time Off Btm: 2001.02.03 @ 02:06:38

TEST COMMENT: 1st. Open weak surface blow built to .25" blow
2nd opening no blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
146	2773.00	117.00	Initial Hydro-static
151	28.68	117.24	Shut-In(1)
179	34.67	118.34	Shut-In(2)
239	61.49	120.32	End Shut-In(1)
245	35.21	120.47	Open To Flow (1)
272	37.62	121.22	Shut-In(3)
389	61.81	123.54	End Shut-In(2)
403	2742.89	124.53	Final Hydro-static

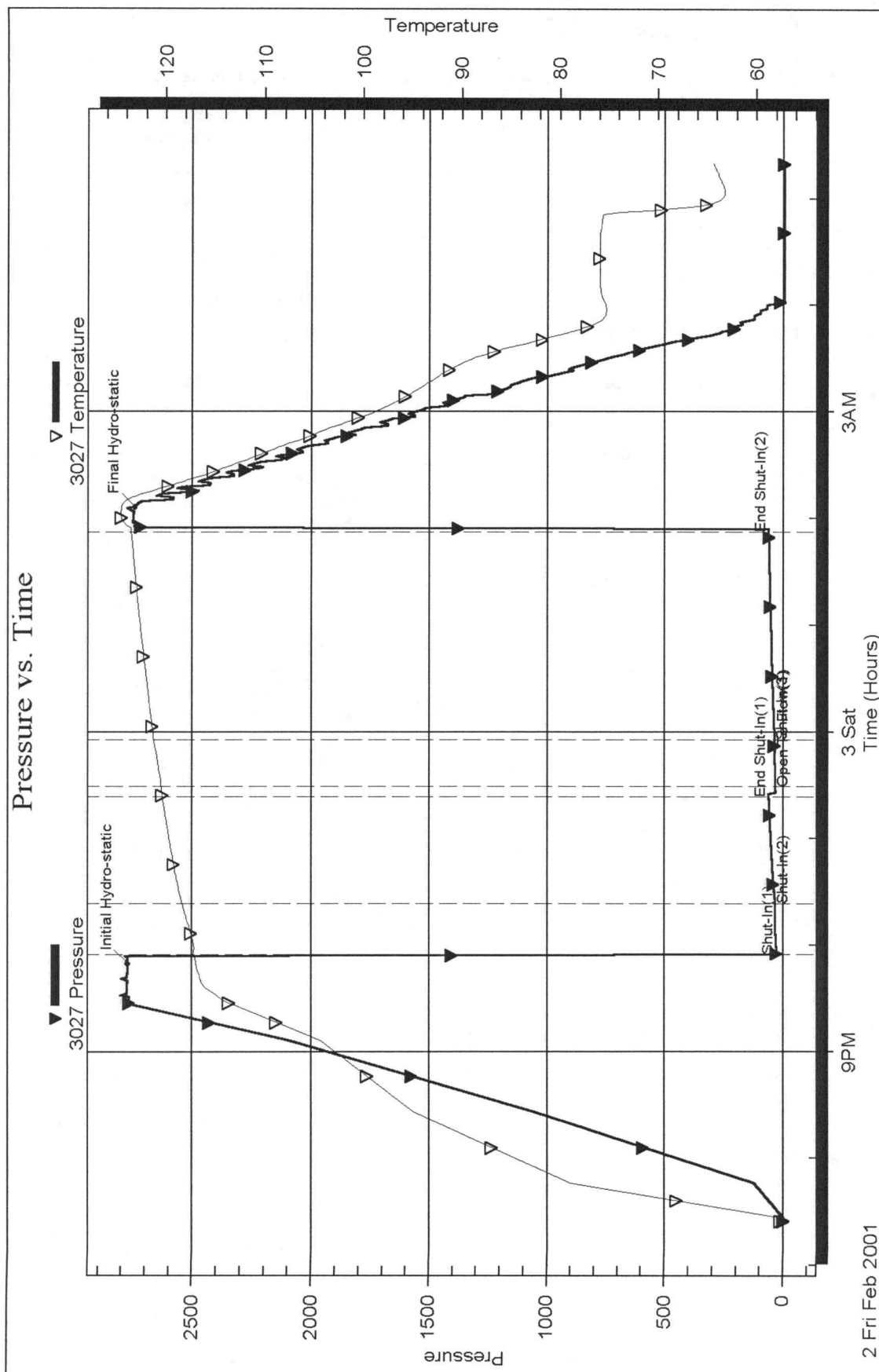
Recovery

Length (ft)	Description	Volume (bbl)
20.00	100% Drilg. Mud	0.10

Gas Rates

	Choke(inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Raydon Exploration I**

9400 N. Broadway Ste. 400 Oklahoma City
OK 73114

ATTN: Ed Grieves

23-34-30 Meade co KS

Cimarron#1-23

Start Date: 2001.02.03 @ 21:00:00

End Date: 2001.02.04 @ 06:45:00

Job Ticket #: 13505 DST #: 4

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



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DRILL STEM TEST REPORT

Raydon Exploration I

Cimarron#1-23

9400 N. Broadway Ste. 400 Oklahoma City OK
73114

23-34-30 Meade co KS

Job Ticket: 13505

DST#: 4

ATTN: Ed Grieves

Test Start: 2001.02.03 @ 21:00:00

GENERAL INFORMATION:

Formation: **Morrow Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:59:35

Time Test Ended: 06:45:00

Test Type: Conventional Bottom Hole

Tester: Blake Wallace

Unit No: 17

Interval: **5858.00 ft (KB) To 5950.00 ft (KB) (TVD)**

Total Depth: 5950.00 ft (KB)

Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 2688.00 ft (KB)

2677.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 3026 Inside

Press@RunDepth: 84.82 psig @ 5860.00 ft (KB)

Start Date: 2001.02.03

End Date:

2001.02.04

Start Time: 21:22:06

End Time:

07:39:35

Capacity: 7000.00 psig

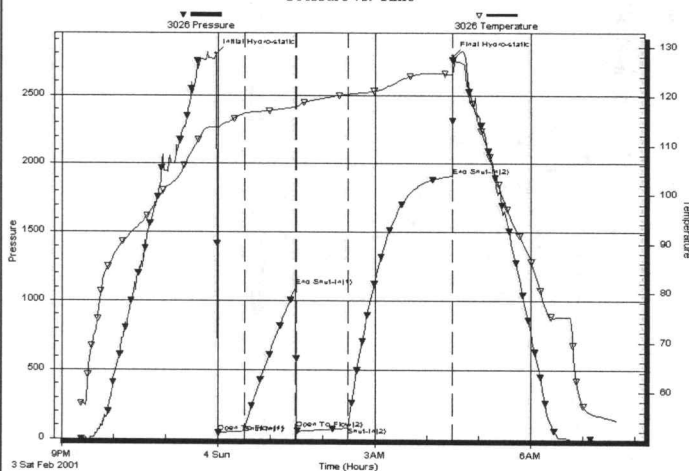
Last Calib.: 2001.02.01

Time On Btm: 2001.02.03 @ 23:57:35

Time Off Btm: 2001.02.04 @ 04:30:35

TEST COMMENT: 1st opening- fair blow B.O.B in 15 min
ISL- no blow back
2nd opening- fair blow B.O.B in 15 sec
FSL- no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
156	2796.67	113.83	Initial Hydro-static
158	41.60	113.62	Open To Flow (1)
189	94.97	116.67	Shut-In (1)
247	1097.66	117.99	End Shut-In (1)
248	67.50	117.92	Open To Flow (2)
307	84.82	120.47	Shut-In (2)
427	1908.72	124.42	End Shut-In (2)
429	2783.01	125.55	Final Hydro-static

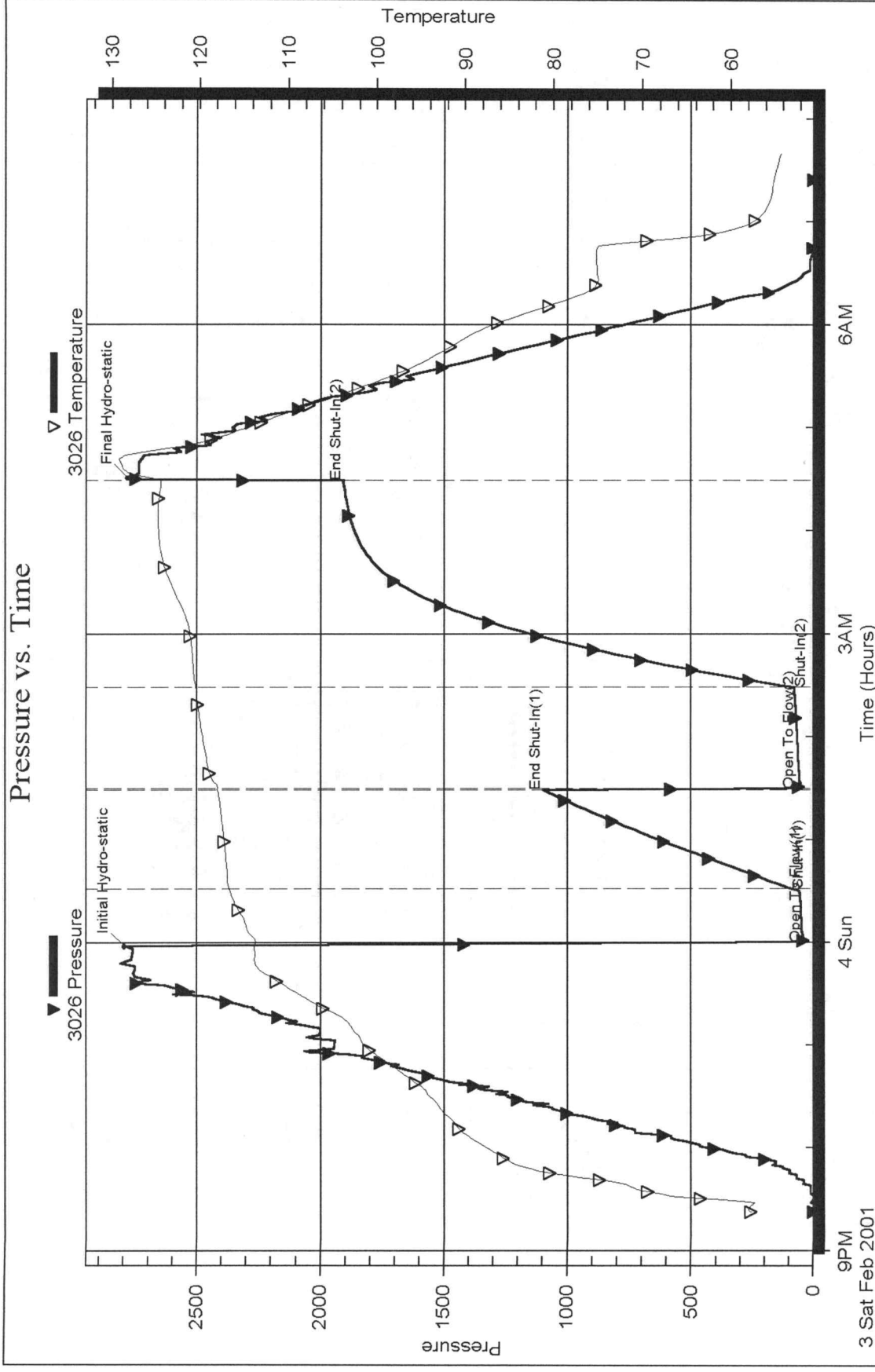
Recovery

Length (ft)	Description	Volume (bbl)
117.00	100% Drilg mud	0.58

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Raydon Exploration I**

9400 N. Broadway Ste. 400 Oklahoma City
OK 73114

ATTN: Ed Grieves

23-34-30 Meade co KS

Cimarron#1-23

Start Date: 2001.02.06 @ 05:10:00

End Date: 2001.02.06 @ 14:39:00

Job Ticket #: 13338 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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DRILL STEM TEST REPORT

Raydon Exploration I

9400 N. Broadway Ste. 400 Oklahoma City OK
73114

ATTN: Ed Grieves

Cimarron#1-23

23-34-30 Meade co KS

Job Ticket: 13338

DST#: 5

Test Start: 2001.02.06 @ 05:10:00

GENERAL INFORMATION:

Formation: **Lwr Chester**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:55:36

Time Test Ended: 14:39:00

Test Type: Conventional Bottom Hole

Tester: Rod Steinbrink

Unit No: 12

Interval: **6226.00 ft (KB) To 6280.00 ft (KB) (TVD)**

Total Depth: 6280.00 ft (KB)

Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 2688.00 ft (KB)

2677.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 3246 Inside

Press@RunDepth: 27.80 psig @ 6237.00 ft (KB)

Start Date: 2001.02.06

End Date:

2001.02.06

Start Time: 05:10:23

End Time:

14:39:51

Capacity: 7000.00 psig

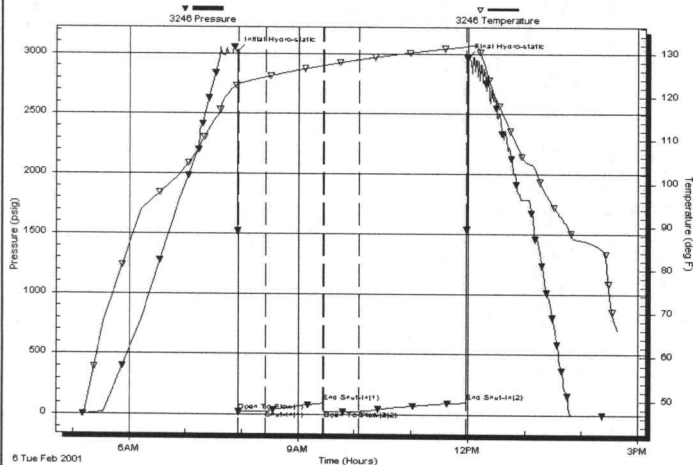
Last Calib.: 2001.02.06

Time On Btm: 2001.02.06 @ 07:55:06

Time Off Btm: 2001.02.06 @ 11:59:21

TEST COMMENT: IF; Weak surface blow died in 10 mins.
FF; No return blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
165	3016.59	122.99	Initial Hydro-static
166	20.65	123.06	Open To Flow (1)
195	24.76	124.58	Shut-In(1)
257	95.15	127.23	End Shut-In(1)
257	24.44	127.25	Open To Flow (2)
294	27.80	128.57	Shut-In(2)
408	103.99	131.68	End Shut-In(2)
409	2966.46	131.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drig. Mud	0.03

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Raydon Exploration I

Cimarron#1-23

9400 N. Broadway Ste. 400 Oklahoma City OK
73114

23-34-30 Meade co KS

Job Ticket: 13338

DST#: 5

ATTN: Ed Grieves

Test Start: 2001.02.06 @ 05:10:00

Tool Information

Drill Pipe:	Length: 5987.00 ft	Diameter: 3.80 inches	Volume: 83.98 bbl	Tool Weight: 2000.00 lb
Drill Collar:	Length: 248.00 ft	Diameter: 2.50 inches	Volume: 1.51 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: 110000.0 lb
Drill Pipe Above KB:	31.00 ft			Tool Chased 0.00 ft
Depth to Top Packer:	6226.00 ft			String Weight: Initial 90000.00 lb
Depth to Bottom Packer:	ft			Final 90000.00 lb
Interval between Packers:	ft			
Tool Length:	76.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments

Tool Description

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

S.I. Tool	5.00			6209.00	
HMV	5.00			6214.00	
Jars	5.00			6219.00	
Safety Joint	2.00			6221.00	
Packer	5.00			6226.00	22.00 Bottom Of Top Packer
Packer	5.00			6231.00	
Stubb	1.00			6232.00	
Perforations	5.00			6237.00	
Recorder	0.00	3246	Inside	6237.00	
C.O. Sub	1.00			6238.00	
Anchor	31.00			6269.00	
C.O. Sub	1.00			6270.00	
Perforations	5.00			6275.00	
Recorder	0.00	13339	Outside	6275.00	
Bullnose	5.00			6280.00	54.00 Bottom Packers & Anchor

Total Tool Length: 76.00

Pressure vs. Time

