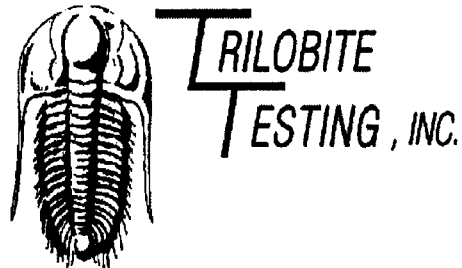


RECEIVED
KANSAS CORPORATION COMMISSION

OCT 02 2001

CONSERVATION DIVISION
WICHITA, KS

15-187-20966



ORIGINAL

DRILL STEM TEST REPORT

Prepared For: **Presco Western**

Denver, Colo

CONFIDENTIAL **KCC**

OCT 01 2001

ATTN: Presco Western

CONFIDENTIAL

4-29-40 Stanton, Ks

CNB 1-94

Start Date: 2001.06.14 @ 01:44:51

End Date: 2001.06.14 @ 10:46:46

Job Ticket #: 13731

DST #: 1

Release

APR 07 2003

**From
Confidential**

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

Presco Western

CNB 1-94

4-29-40 Stanton, Ks

DST # 1

Altamont

2001.06.14



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Presco Western

Denver, Colo

ATTN: Presco Western

CNB 1-94

4-29-40 Stanton, Ks

Job Ticket: 13731

DST#: 1

Test Start: 2001.06.14 @ 01:44:51

GENERAL INFORMATION:

Formation:

Altament *mw sd*

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:51:46

Time Test Ended: 10:46:46

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 15

Interval: **5069.00 ft (KB) To 5095.00 ft (KB) (TVD)**

Total Depth: 5095.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3292.00 ft (KB)

3281.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 2346

Inside

Press@RunDepth: 611.20 psig @ 5070.00 ft (KB)

Start Date: 2001.06.14

End Date:

2001.06.14

Start Time: 01:44:51

End Time:

10:46:46

Capacity: 7000.00 psig

Last Calib.: 2001.01.18

Time On Btm: 2001.06.14 @ 04:48:46

Time Off Btm: 2001.06.14 @ 07:38:46

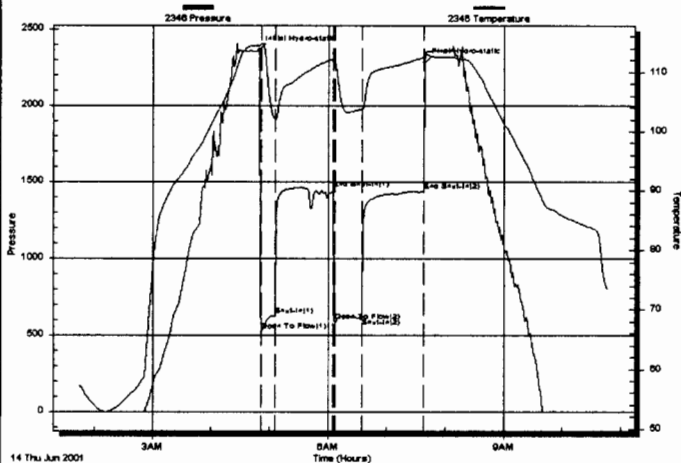
TEST COMMENT: B.O.B. @ open, G.T.S. in 1 1/2 min.

No return

Gauging gas @ open

No return

Pressure vs. Time



PRESSURE SUMMARY

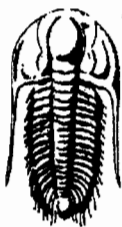
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2364.48	114.52	Initial Hydro-static
3	529.03	114.77	Open To Flow (1)
17	625.86	102.09	Shut-In (1)
76	1449.94	112.24	End Shut-In (1)
78	590.69	111.93	Open To Flow (2)
106	611.20	103.79	Shut-In (2)
169	1438.86	112.61	End Shut-In (2)
170	2283.47	112.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	gas to surface in 1 1/2 min.	0.00
1.00	Drilling mud	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.50	32.00	2711.70
Last Gas Rate	1.50	56.00	4114.30
Max. Gas Rate	1.50	56.00	4114.30



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Presco Western

CNB 1-94

Denver, Colo

4-29-40 Stanton, Ks

Job Ticket: 13731

DST#: 1

ATTN: Presco Western

Test Start: 2001.06.14 @ 01:44:51

Tool Information

Drill Pipe:	Length: 4496.00 ft	Diameter: 3.80 inches	Volume: 63.07 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 556.00 ft	Diameter: 2.25 inches	Volume: 2.73 bbl	Weight to Pull Loose: 90000.00 lb
		Total Volume: 65.80 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	5069.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	53.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

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OCT 01 2001

ORIGINAL

CONFIDENTIAL

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			5043.00	
S.I. Tool	5.00			5048.00	
HMV	5.00			5053.00	
Jars	5.00			5058.00	
Safety Joint	2.00			5060.00	
Packer	5.00			5065.00	27.00 Bottom Of Top Packer
Packer	4.00			5069.00	
Stubb	1.00			5070.00	
Recorder	0.00	2346	Inside	5070.00	
Perforations	20.00	24174		5090.00	
Recorder	0.00	11057	Outside	5090.00	
Bullnose	5.00			5095.00	26.00 Bottom Packers & Anchor

Total Tool Length: 53.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Presco Western

CNB 1-94

Denver ,Colo

4-29-40 Stanton,Ks

Job Ticket: 13731

DST#: 1

ATTN: Presco Western

Test Start: 2001.06.14 @ 01:44:51

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:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	gas to surface in 1 1/2 min.	0.000
1.00	Drilling mud	0.005

Total Length:

1.00 ft

Total Volume:

0.005 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Presco Western

CNB 1-94

Denver, Colo

4-29-40 Stanton, Ks

Job Ticket: 13731

DST#: 1

ATTN: Presco Western

Test Start: 2001.06.14 @ 01:44:51

Gas Rates Information

Temperature: 60 deg C

Relative Density: 0.71

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	5	1.50	32.00	2711.70
1	10	1.50	45.00	3471.44
1	15	1.50	56.00	4114.30
2	5	1.50	39.00	3120.79
2	10	1.50	52.00	3880.54
2	15	1.50	56.00	4114.30
2	20	1.50	56.00	4114.30
2	25	1.50	56.00	4114.30
2	30	1.50	56.00	4114.30

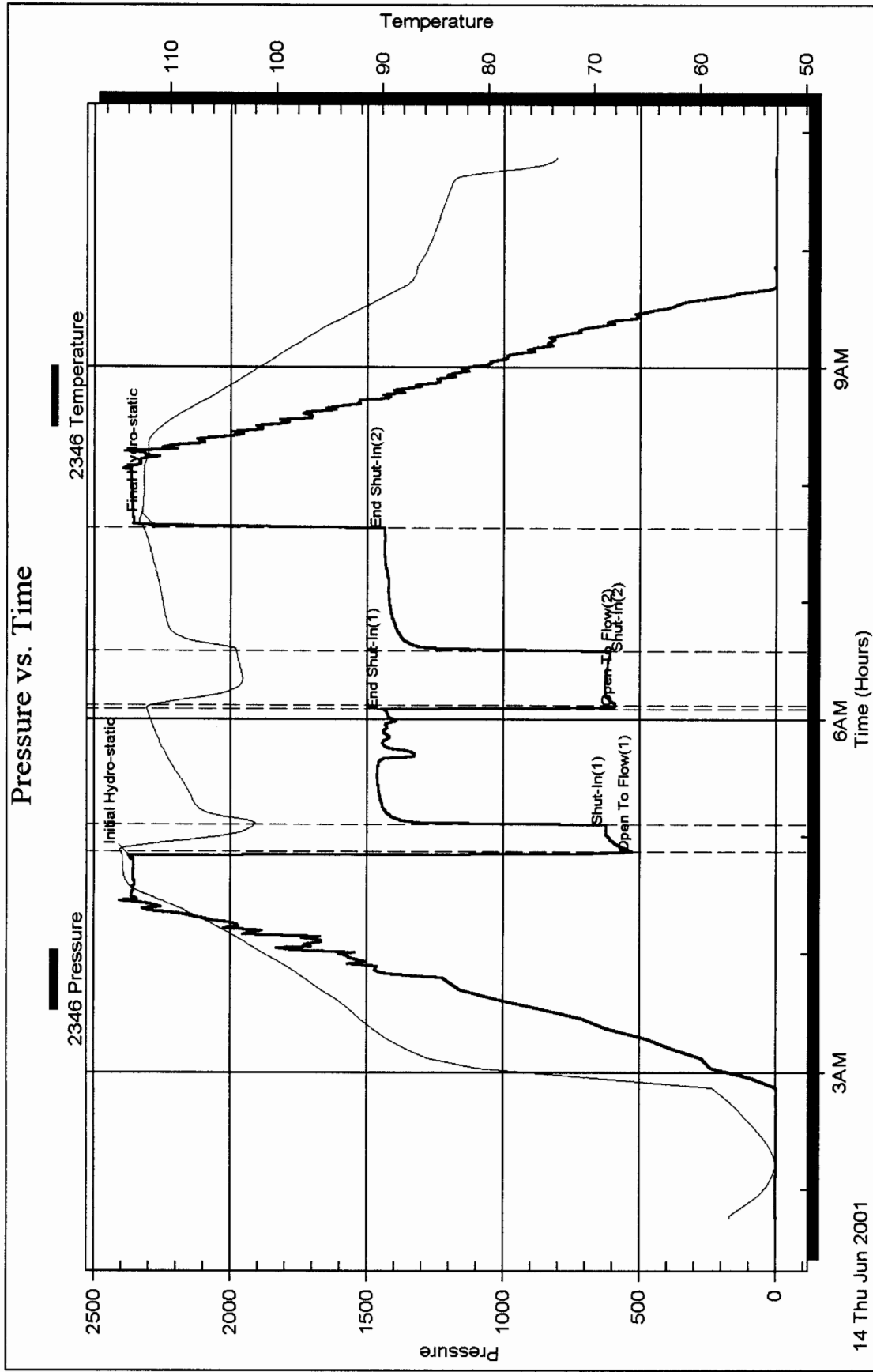
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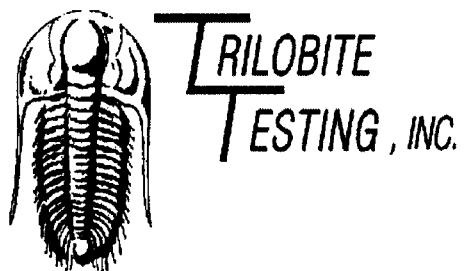
Inside

Presco Western

4-29-40 Stanton,Ks

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Presco Western**

Denver ,Colo

ATTN: Presco Western

4-29-40 Stanton,Ks

CNB 1-94

Start Date: 2001.06.15 @ 18:40:33

End Date: 2001.06.16 @ 01:21:01

Job Ticket #: 14211 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Presco Western

CNB 1-94

4-29-40 Stanton,Ks

DST # 2

Basal Morrow

2001.06.15



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Presco Western

Denver, Colo

ATTN: Presco Western

CNB 1-94

4-29-40 Stanton, Ks

Job Ticket: 14211

DST#: 2

Test Start: 2001.06.15 @ 18:40:33

GENERAL INFORMATION:

Formation: **Basal Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 01:21:01

Test Type: Conventional Bottom Hole

Tester: Jakki Kreklau

Unit No:

Interval: **5474.00 ft (KB) To 5514.00 ft (KB) (TVD)**

Total Depth: 5514.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 3292.00 ft (KB)

3281.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 3026 Inside

Press@RunDepth: psig @ 5479.00 ft (KB)

Start Date: 2001.06.15

End Date:

2001.06.16

Start Time: 18:40:33

End Time:

01:21:01

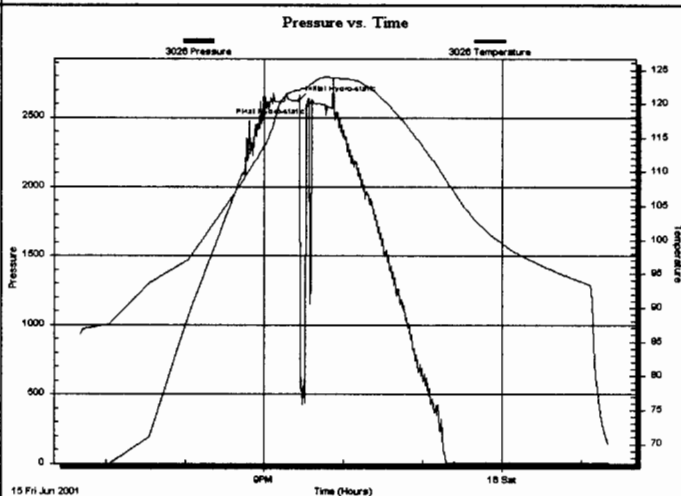
Capacity: 7000.00 psig

Last Calib.: 2001.01.18

Time On Btm: 2001.06.15 @ 21:25:46

Time Off Btm: 2001.06.15 @ 21:35:46

TEST COMMENT: Packer failed - tried to reset - no help



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2619.04	122.02	Initial Hydro-static
10	2614.04	122.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
935.00	Mud 100%	8.06

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Presco Western

CNB 1-94

Denver, Colo

4-29-40 Stanton, Ks

Job Ticket: 14211

DST#: 2

ATTN: Presco Western

Test Start: 2001.06.15 @ 18:40:33

Tool Information

Drill Pipe:	Length: 4928.00 ft	Diameter: 3.80 inches	Volume: 69.13 bbl	Tool Weight:	1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 555.00 ft	Diameter: 2.25 inches	Volume: 2.73 bbl	Weight to Pull Loose:	80000.00 lb
			Total Volume: 71.86 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	35.00 ft			String Weight: Initial	79000.00 lb
Depth to Top Packer:	5474.00 ft			Final	80000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	41.00 ft				
Tool Length:	67.00 ft				
Number of Packers:	1	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			5453.00	
HMV	5.00			5458.00	
Jars	5.00			5463.00	
Safety Joint	2.00			5465.00	
Packer	5.00			5470.00	26.00 Bottom Of Top Packer
Packer	4.00			5474.00	
Stubb	1.00			5475.00	
Perforations	3.00			5478.00	
C.O. Sub	1.00			5479.00	
Recorder	0.00	3026	Inside	5479.00	
Blank Spacing	31.00			5510.00	
C.O. Sub	1.00			5511.00	
Recorder	0.00	13278	Outside	5511.00	
C.O. Sub	1.00			5512.00	
Bullnose	3.00			5515.00	41.00 Bottom Packers & Anchor

Total Tool Length: 67.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Presco Western

CNB 1-94

Denver, Colo

4-29-40 Stanton, Ks

Job Ticket: 14211

DST#: 2

ATTN: Presco Western

Test Start: 2001.06.15 @ 18:40:33

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:

ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
935.00	Mud 100%	8.060

Total Length: 935.00 ft

Total Volume: 8.060 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

