



DRILL STEM TEST REPORT

Prepared For: **Presco Western**

1115 Sherman St. Ste, 2950 Denver CO.
80203

ATTN: Jon Christensen

33-28S-40W

Western Feed Yard 1-

Start Date: 2001.04.03 @ 20:45:00

End Date: 2001.04.04 @ 03:45:00

Job Ticket #: 13476 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Presco Western

1115 Sherman St. Ste. 2950 Denver CO. 80203

ATTN: Jon Christensen

Western Feed Yard 1-

33-28S-40W

Job Ticket: 13476

DST#: 1

Test Start: 2001.04.03 @ 20:45:00

GENERAL INFORMATION:

Formation: **Upper Marrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:05:25

Time Test Ended: 03:45:00

Test Type: Conventional Bottom Hole

Tester: Blake Wallace

Unit No: 17

Interval: **5004.00 ft (KB) To 5035.00 ft (KB) (TVD)**

Total Depth: 5035.00 ft (KB)

Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 3297.00 ft (KB)

3286.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 2350

Press@RunDepth: 1130.93 psig @ ft (KB)

Start Date: 2001.04.03

End Date:

2001.04.04

Start Time: 20:52:11

End Time:

03:44:55

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2001.04.03 @ 23:02:40

Time Off Btm: 2001.04.04 @ 01:02:55

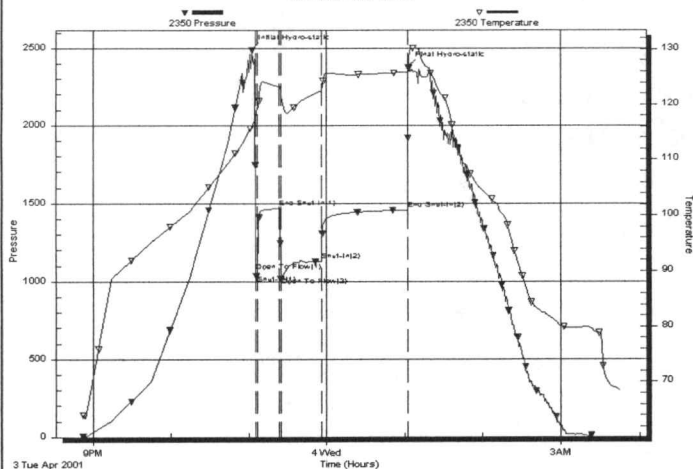
TEST COMMENT: RW= .458 @ 56 deg. = 17000

Gas flow rate= 8.837 MCF/d 1st opening- strong blow Gas to surface in 1 min.

ISI-

2nd opening- strong blow B.O.B as soon as open measuring gas

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
131	2494.04	115.89	Initial Hydro-static
134	1059.57	117.27	Open To Flow (1)
135	979.54	119.47	Shut-In(1)
152	1466.20	123.23	End Shut-In(1)
153	1021.24	122.21	Open To Flow (2)
184	1130.93	122.47	Shut-In(2)
251	1456.33	125.81	End Shut-In(2)
251	2383.47	126.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	90% mud 10% water	0.15

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00		



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TOOL DIAGRAM

Presco Western

Western Feed Yard 1-

1115 Sherman St. Ste, 2950 Denver CO. 80203

33-28S-40W

Job Ticket: 13476

DST#: 1

ATTN: Jon Christensen

Test Start: 2001.04.03 @ 20:45:00

Tool Information

Drill Pipe:	Length:	4367.00 ft	Diameter:	3.80 inches	Volume:	61.26 bbl	Tool Weight:	1800.00 lb
Drill Collar:	Length:	646.00 ft	Diameter:	2.25 inches	Volume:	3.18 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:	118000.0 lb
Drill Pipe Above KB:		36.00 ft					Tool Chased	0.00 ft
Depth to Top Packer:		5000.00 ft					String Weight: Initial	107000.0 lb
Depth to Bottom Packer:		ft					Final	110000.0 lb
Interval between Packers:		ft						
Tool Length:		58.00 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			4978.00	
S.I. Tool	5.00			4983.00	
HMV	5.00			4988.00	
Jars	5.00			4993.00	
Safety Joint	2.00			4995.00	
Packer	5.00			5000.00	23.00 Bottom Of Top Packer
Packer	4.00			5004.00	
Stubb	1.00			5005.00	
Perforations	3.00			5008.00	
Recorder	0.00	2350	Inside	5008.00	
P.O. Sub	5.00			5013.00	
Perforations	20.00			5033.00	
Recorder	0.00	13277	Outside	5033.00	
Bullnose	2.00			5035.00	35.00 Bottom Packers & Anchor

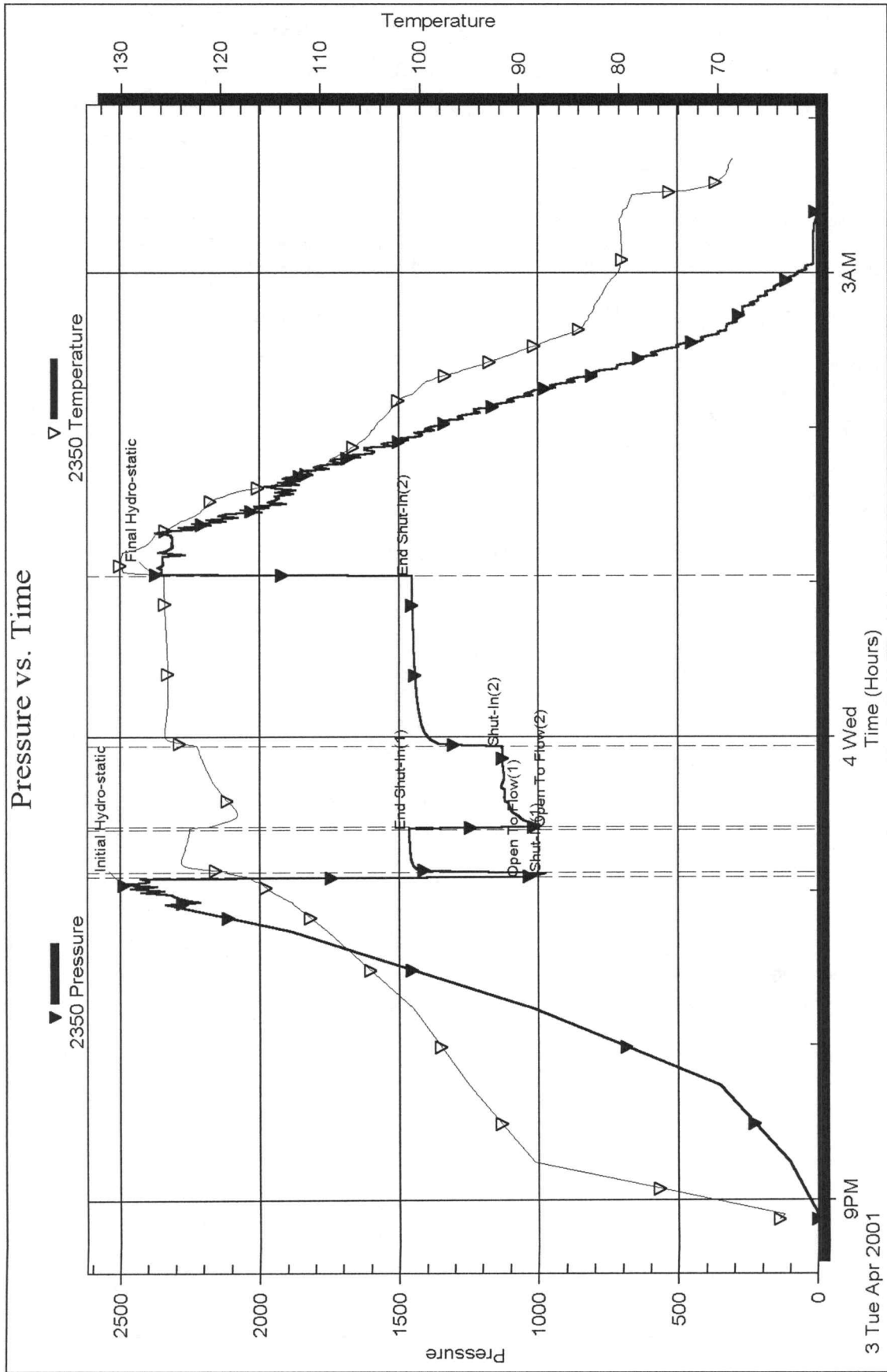
Total Tool Length: 58.00

Serial #: 2350

Presco Western

33-28S-40W

Pressure vs. Time





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Prepared For: **Presco Western**

1115 Sherman St. Ste, 2950 Denver CO.
80203

ATTN: Jon Christensen

33-28S-40W

Western Feed Yard 1-

Start Date: 2001.04.05 @ 08:45:00

End Date: 2001.04.05 @ 20:15:00

Job Ticket #: 13478 DST #: 2

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Presco Western

1115 Sherman St. Ste, 2950 Denver CO. 80203

ATTN: Jon Christensen

Western Feed Yard 1-

33-28S-40W

Job Ticket: 13478

DST#: 2

Test Start: 2001.04.05 @ 08:45:00

GENERAL INFORMATION:

Formation: **Basal Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:31:59

Time Test Ended: 20:15:00

Test Type: Conventional Bottom Hole

Tester: Blake Wallace

Unit No: 17

Interval: **5398.00 ft (KB) To 5434.00 ft (KB) (TVD)**

Total Depth: 5434.00 ft (KB)

Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 3297.00 ft (KB)

3286.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 2350

Press@RunDepth: 1028.95 psig @ ft (KB)

Start Date: 2001.04.05 End Date: 2001.04.05

Start Time: 09:11:15 End Time: 20:32:44

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2001.04.05 @ 11:30:59

Time Off Btm: 2001.04.05 @ 14:48:14

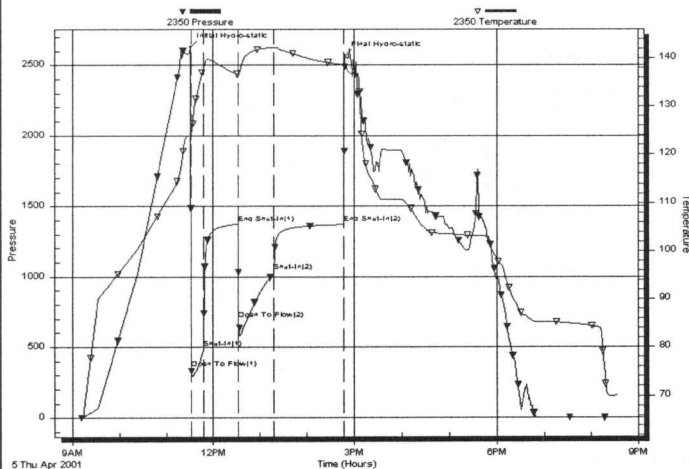
TEST COMMENT: Corrective Gravity=48 @ 82 deg 1st opening- strong blow BOB in 1 min, gas to surface

ISI- blew thru out built to BOB

2nd opening- strong blow BOB as soon as open (gauged gas)

FSI-blew thru out, built to BOB

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
140	2626.26	124.07	Initial Hydro-static
141	343.02	123.14	Open To Flow (1)
157	486.89	138.17	Shut-In(1)
201	1372.66	136.59	End Shut-In(1)
201	688.59	136.25	Open To Flow (2)
247	1028.95	142.15	Shut-In(2)
336	1369.71	138.60	End Shut-In(2)
337	2567.18	138.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4070.00	Clean gassy oil 30% gas 70%oil	51.21

Gas Rates

	Choke(inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	2.50	6.33
Last Gas Rate	0.13	7.00	8.01
Max. Gas Rate	0.13	7.00	8.01



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TOOL DIAGRAM

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Western Feed Yard 1-

33-28S-40W

Job Ticket: 13478

DST#: 2

Test Start: 2001.04.05 @ 08:45:00

Tool Information

Drill Pipe:	Length: 4744.00 ft	Diameter: 3.80 inches	Volume: 66.55 bbl	Tool Weight: 1800.00 lb
Drill Collar:	Length: 646.00 ft	Diameter: 2.25 inches	Volume: 3.18 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: 122000.0 lb
Drill Pipe Above KB:	19.00 ft			Tool Chased 0.00 ft
Depth to Top Packer:	5394.00 ft			String Weight: Initial 107000.0 lb
Depth to Bottom Packer:	ft			Final 140000.0 lb
Interval between Packers:	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
C.O. Sub	1.00			5372.00	
S.I. Tool	5.00			5377.00	
HMV	5.00			5382.00	
Jars	5.00			5387.00	
Safety Joint	2.00			5389.00	
Packer	5.00			5394.00	23.00 Bottom Of Top Packer
Packer	4.00			5398.00	
Stubb	1.00			5399.00	
Perforations	3.00			5402.00	
Recorder	0.00	2350	Inside	5402.00	
P.O. Sub	5.00			5407.00	
Perforations	25.00			5432.00	
Recorder	0.00	13277	Outside	5432.00	
Bullnose	2.00			5434.00	40.00 Bottom Packers & Anchor

Total Tool Length: 63.00

Serial #: 2350

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Pressure vs. Time

