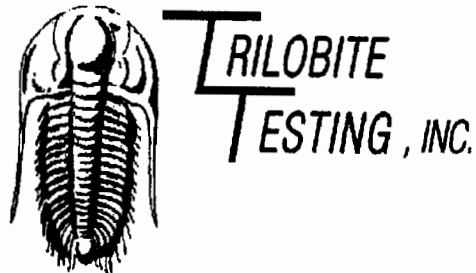


15-129-21807

20-31s-39w



DRILL STEM TEST REPORT

Prepared For: **Presco Western LLC**

5480 Valmont Ste 350
Boulder CO 80301

ATTN: Austin Garner

20 31 39 Morton KS

Trahern 6-G20-31-29

Start Date: 2007.07.17 @ 07:31:25

End Date: 2007.07.17 @ 21:36:55

Job Ticket #: 27368 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 LLC

5480 Valmont Ste 350
Boulder CO 80301

ATTN: Austin Garner

Trahern 6-G20-31-29

20 31 39 Morton KS

Job Ticket: 27368

DST#: 1

Test Start: 2007.07.17 @ 07:31:25

GENERAL INFORMATION:

Formation: **St. Louis**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:07:40

Time Test Ended: 21:36:55

Test Type: Conventional Bottom Hole

Tester: Harley Davidson

Unit No: 33

Interval: **5922.00 ft (KB) To 5985.00 ft (KB) (TVD)**

Total Depth: 5985.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 3224.00 ft (KB)

3215.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6751

Press@RunDepth: 527.85 psig @ 5924.00 ft (KB)

Start Date: 2007.07.17

End Date:

2007.07.17

Start Time: 07:31:26

End Time:

21:36:55

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2007.07.17 @ 11:07:10

Time Off Btm: 2007.07.17 @ 15:45:10

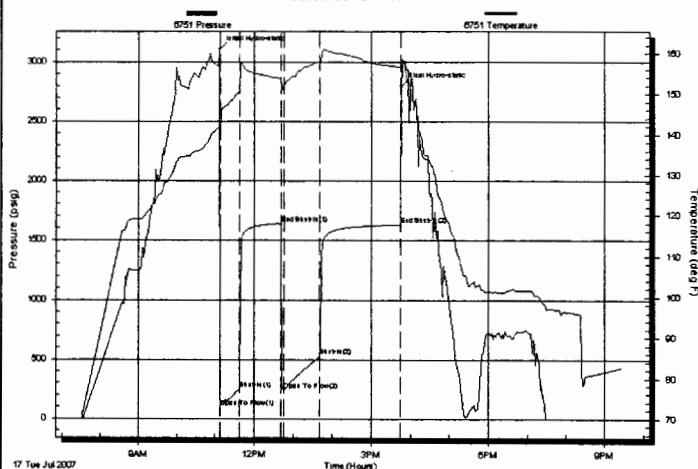
TEST COMMENT: IF Strong blow BOB ASAO GTS 11 min.

ISI Weak surface blow

FF BOB 1min GTS ASAO

FSI Weak surface blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3104.30	141.89	Initial Hydro-static
1	91.03	140.00	Open To Flow (1)
31	244.70	150.68	Shut-In (1)
94	1636.58	153.90	End Shut-In (1)
99	242.54	151.86	Open To Flow (2)
153	527.85	158.10	Shut-In (2)
277	1627.23	156.72	End Shut-In (2)
278	2796.79	157.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1100.00	60%G 40%O trace mud.	13.74

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	3.00	27.60
Last Gas Rate	0.25	25.00	62.50
Max. Gas Rate	0.25	25.00	62.50



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Presco Western LLC

Trahern 6-G20-31-29

5480 Valmont Ste 350
Boulder CO 80301

20 31 39 Morton KS

Job Ticket: 27368

DST#: 1

ATTN: Austin Garner

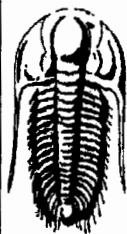
Test Start: 2007.07.17 @ 07:31:25

Tool Information

Drill Pipe:	Length: 5725.00 ft	Diameter: 3.80 inches	Volume: 80.31 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 120000.0 lb
			Total Volume: 81.22 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 92000.00 lb
Depth to Top Packer:	5922.00 ft			Final 92000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	63.00 ft			
Tool Length:	94.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	2.00			5893.00	
Shut In Tool	5.00			5898.00	
Sampler	3.00			5901.00	
Hydraulic tool	5.00			5906.00	
Jars	5.00			5911.00	
Safety Joint	2.00			5913.00	
Packer	5.00			5918.00	31.00 Bottom Of Top Packer
Packer	4.00			5922.00	
Stubb	1.00			5923.00	
Perforations	1.00			5924.00	
Recorder	0.00	6751		5924.00	
Perforations	1.00			5925.00	
Change Over Sub	1.00			5926.00	
Drill Pipe	31.00			5957.00	
Change Over Sub	1.00			5958.00	
Perforations	23.00			5981.00	
Recorder	0.00	11018	Outside	5981.00	
Bullnose	4.00			5985.00	63.00 Bottom Packers & Anchor

Total Tool Length: 94.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Presco Western LLC

Trahern 6-G20-31-29

5480 Valmont Ste 350
Boulder CO 80301

20 31 39 Morton KS

Job Ticket: 27368

DST#: 1

ATTN: Austin Garner

Test Start: 2007.07.17 @ 07:31:25

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.57 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1100.00	60%G 40%O trace mud.	13.736

Total Length: 1100.00 ft

Total Volume: 13.736 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data- 32 CFD gas, 600ML condensate, with small trace of water, @ 1600 PSI.



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Presco Western LLC

Trahern 6-G20-31-29

5480 Valmont Ste 350
Boulder CO 80301

20 31 39 Morton KS

Job Ticket: 27368

DST#: 1

ATTN: Austin Garner

Test Start: 2007.07.17 @ 07:31:25

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

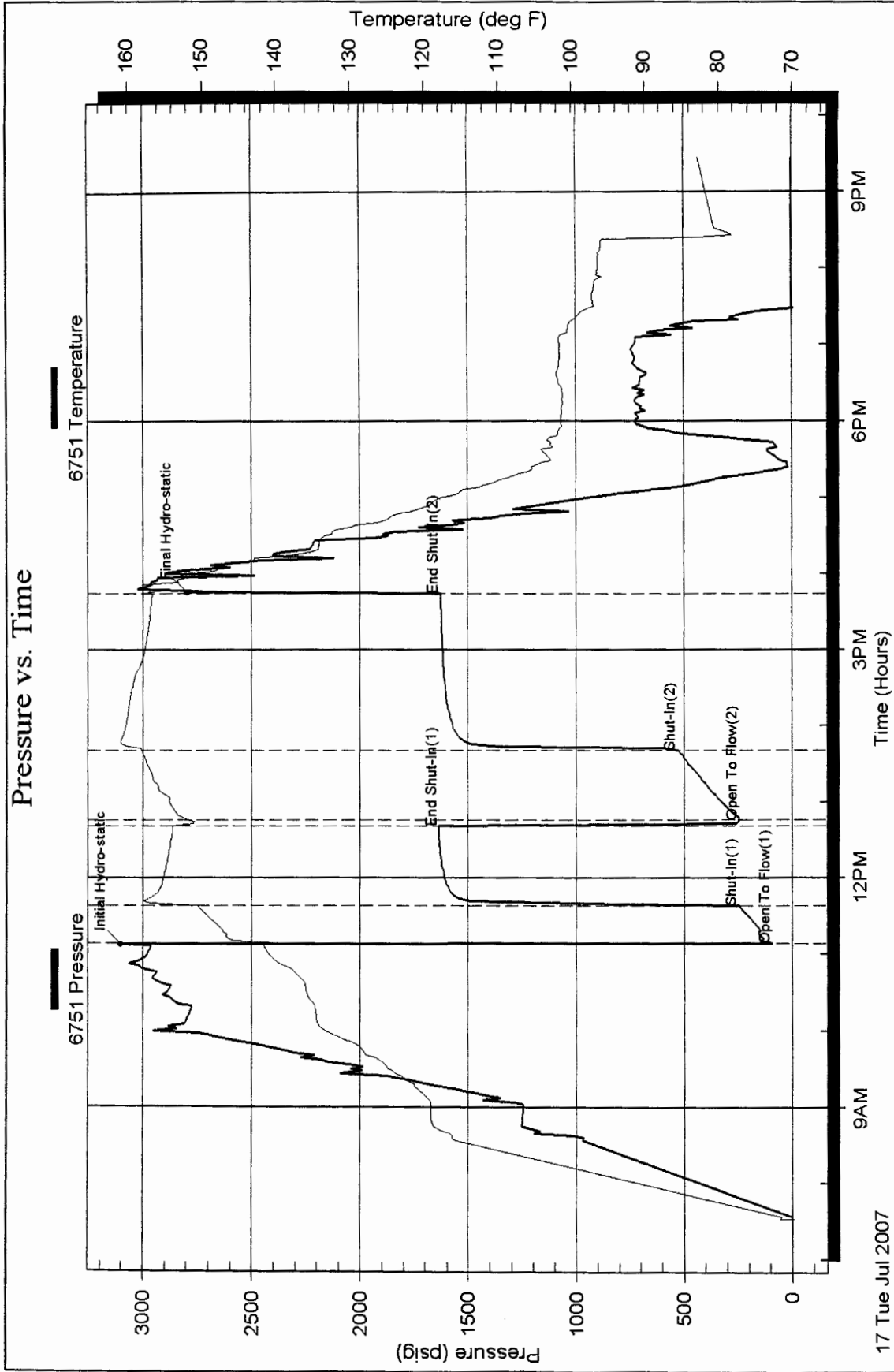
Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	15	0.25	3.00	27.60
1	25	0.25	9.00	37.12
1	30	0.25	16.00	48.23
2	10	0.25	9.00	37.12
2	20	0.25	15.00	46.64
2	30	0.25	19.00	52.99
2	40	0.25	22.00	57.75
2	50	0.25	24.00	60.92
2	60	0.25	25.00	62.50

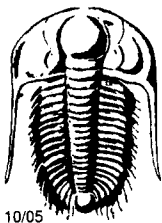
Serial #: 6751

Presco Western LLC

20 31 39 Morton KS

DST Test Number: 1





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

27368 ✓

10405

Test Ticket

Well Name & No. Trahern 6-G20-31-29 Test No. 1 Date 7/17/07
 Company Presco Western LLC Zone Tested St Louis
 Address 5480 Valmont Suite 350 Boulder Co 80301 Elevation 3224 KB 3215 GL
 Co. Rep / Geo. Austin G. Rig HT Drilling
 Location: Sec. 20 Twp. 31 Rge. 39 Co. Morton State Ks.
 Comment: _____ Release date / time: _____

Interval Tested 5922 - 5985 Initial Str Wt./Lbs. 92K Unseated Str Wt./Lbs. 92K
 Anchor Length 63 Wt. Set Lbs. 25K Wt. Pulled Loose/Lbs. 120K
 Top Packer Depth 5917 Tool Weight 2K
 Bottom Packer Depth 5922 Hole Size 7 7/8" - Rubber Size 6 3/4" -
 Total Depth 5985 Wt. Pipe Run 0 Drill Collar Run 186
 Mud Wt. LCM Vis. WL Drill Pipe Size 4.5 x H Ft. Run 3725
 Blow Description IF - Strong blow BOB ASAO, GTS 11 min.
ISI - Weak surface blow back.
FF - BOB 1 min GTS, ASAO
FSI - Weak surface blow.

Recovery - Total Feet 1100 GIP _____ Ft. in DC _____ Ft. in DP _____
 Rec. 1100 Feet of 60 %gas 40 %oil Trace %water Trace %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. 157 Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT Condensate Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides _____ ppm System

To thin for Gravity AK-1
 (A) Initial Hydrostatic Mud 2973 PSI Recorder No. 6751 Test = 1300°
 (B) First Initial Flow Pressure 91 PSI (depth) 5924 Jars = 250°
 (C) First Final Flow Pressure 245 PSI Recorder No. 6730 Safety Jt. = 75°
 (D) Initial Shut-In Pressure 1637 PSI (depth) 5985 Circ Sub _____
 (E) Second Initial Flow Pressure 243 PSI Recorder No. _____ Sampler = 250°
 (F) Second Final Flow Pressure 528 PSI (depth) _____ Straddle _____
 (G) Final Shut-In Pressure 1627 PSI Initial Opening 30 Ext. Packer _____
 (Q) Final Hydrostatic Mud 3025 PSI Initial Shut-In 60 Shale Packer = 250°
 Final Flow 60 Ruined Packer 280
 Final Shut-In 120 Mileage 56 70

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Approved By [Signature]
 Our Representative [Signature]

T-On Location

T-Started 730 AM 7:30
 T-Open 1115 AM 11:25
 T-Pulled 400 PM 16:00
 T-Out 900 21:00

Sub Total: 300
 Std. By 3
 Acc. Chg: 2775
 Other: 150
 Total: _____



GAS VOLUME REPORT

DST NO

Flow #2

Remarks:

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

