

DRILL STEM TEST REPORT

Prepared For: **Presco Western, LLC**

5480 Valmont, ste. 300
Boulder, CO 80301

ATTN: Austin Gardner

22-23-37 Kearny

Kisel 1-1215- 2

Start Date: 2005.09.21 @ 03:07:09

End Date: 2005.09.21 @ 10:14:03

Job Ticket #: 21369 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. 300
Boulder, CO 80301

ATTN: Austin Gardner

Kisel 1-1215- 2

22-23-37 Keamy

Job Ticket: 21369

DST#: 1

Test Start: 2005.09.21 @ 03:07:09

GENERAL INFORMATION:

Formation: **Morrow Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:28:19

Time Test Ended: 10:14:03

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 18

Interval: **4700.00 ft (KB) To 4774.00 ft (KB) (TVD)**

Total Depth: **4774.00 ft (KB) (TVD)**

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3281.00 ft (KB)

3271.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6772

Inside

Press@RunDepth: 22.55 psig @ 4705.00 ft (KB)

Start Date: 2005.09.21

End Date:

2005.09.21

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Start Time: 03:07:09

End Time:

10:14:03

Time On Btm: 2005.09.21 @ 05:27:04

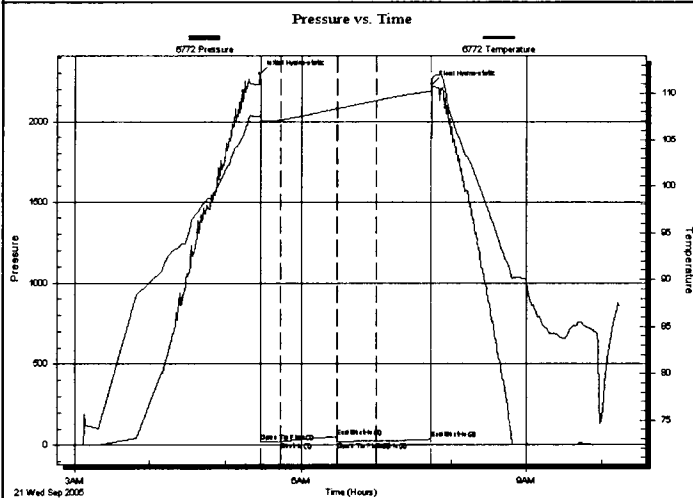
Time Off Btm: 2005.09.21 @ 07:44:18

TEST COMMENT: IF: 1/4 blow died in 7 min.

IS: No return.

FF: No blow.

FS: No return.



PRESSURE SUMMARY

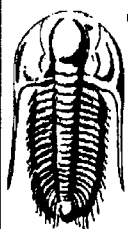
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2297.22	107.48	Initial Hydro-static
2	18.69	106.64	Open To Flow (1)
17	20.96	107.11	Shut-In(1)
62	51.69	108.37	End Shut-In(1)
62	22.11	108.37	Open To Flow (2)
93	22.55	109.20	Shut-In(2)
137	35.00	110.25	End Shut-In(2)
138	2232.07	111.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100% m	0.02

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, LLC

Kisel 1-1215- 2

5480 Valmont, ste. 300
Boulder, CO 80301

22-23-37 Kearny

Job Ticket: 21369

DST#: 1

ATTN: Austin Gardner

Test Start: 2005.09.21 @ 03:07:09

Tool Information

Drill Pipe:	Length:	4138.00 ft	Diameter:	3.80 inches	Volume:	58.05 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:	566.00 ft	Diameter:	2.25 inches	Volume:	2.78 bbl	Weight to Pull Loose:	100000.0 lb
					Total Volume:	60.83 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		30.00 ft					String Weight: Initial	82000.00 lb
Depth to Top Packer:		4700.00 ft					Final	82000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		78.00 ft						
Tool Length:		104.00 ft						
Number of Packers:		2	Diameter:	6.75 inches				
Tool Comments:								

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4675.00	
Shut In Tool	5.00			4680.00	
Sampler	2.00			4682.00	
Hydraulic tool	5.00			4687.00	
Jars	5.00			4692.00	
Safety Joint	3.00			4695.00	
Packer	5.00		Fluid	4700.00	26.00 Bottom Of Top Packer
Packer - Shale	4.00			4704.00	
Stubb	1.00			4705.00	
Recorder	0.00	6772	Inside	4705.00	
Perforations	3.00			4708.00	
Change Over Sub	1.00			4709.00	
Drill Pipe	63.00			4772.00	
Change Over Sub	1.00			4773.00	
Recorder	0.00	7437	Inside	4773.00	
Bullnose	5.00			4778.00	78.00 Anchor Tool
Total Tool Length:	104.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Presco Western, LLC

Kisel 1-1215- 2

5480 Valmont, ste. 300
Boulder, CO 80301

22-23-37 Kearny

Job Ticket: 21369

DST#: 1

ATTN: Austin Gardner

Test Start: 2005.09.21 @ 03:07:09

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100% m	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

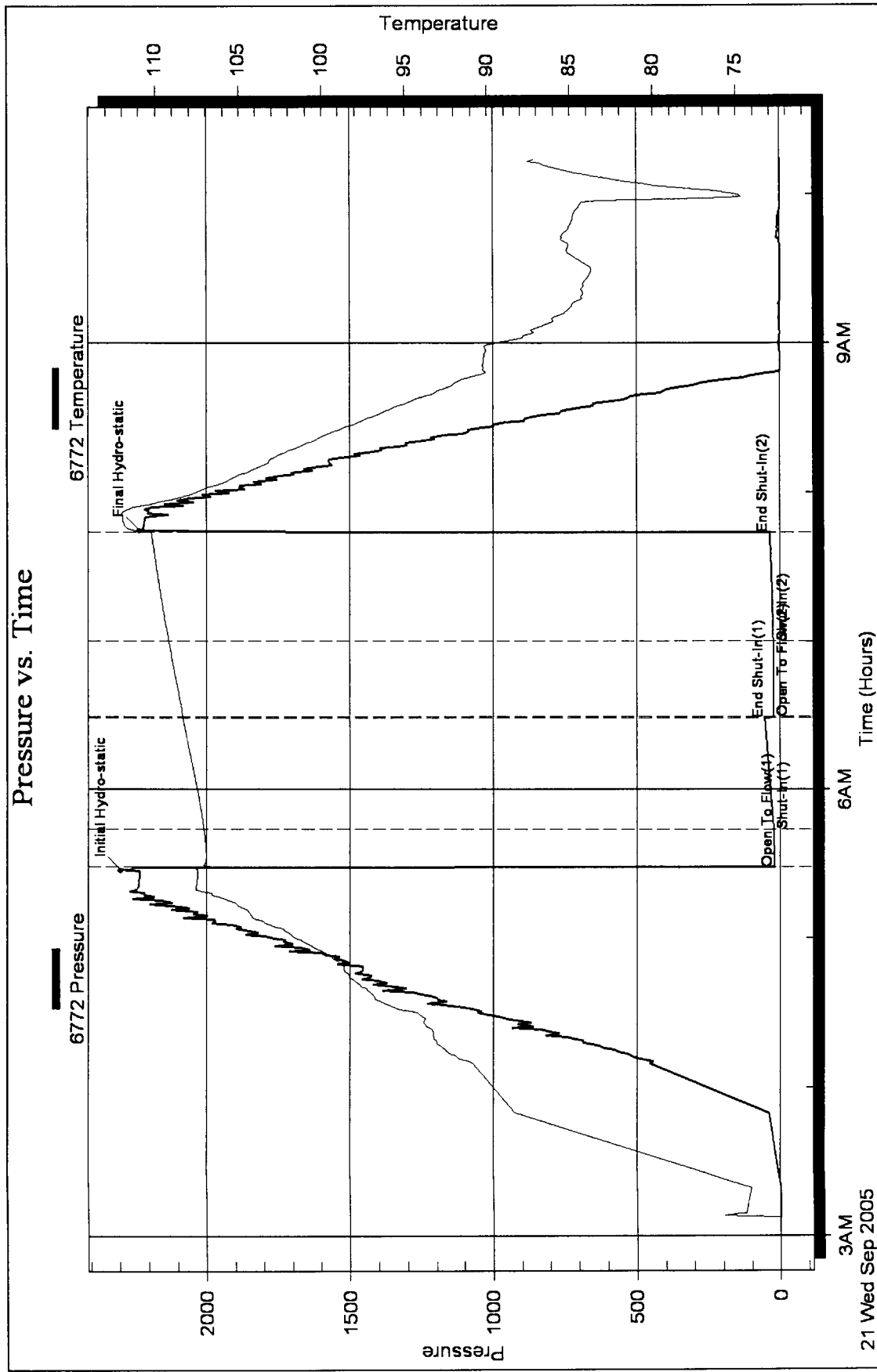
Serial #: 6772

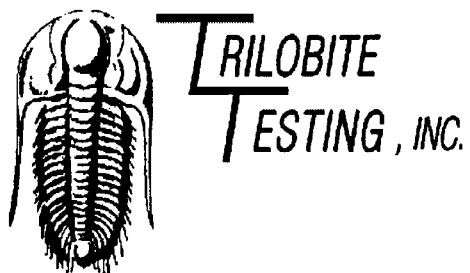
Inside

Presco Western, LLC

22-23-37 Kearny

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Presco Western, LLC**

5480 Valmont, ste. 300
Boulder, CO 80301

ATTN: Austin Gardner

22-23-37 Kearny

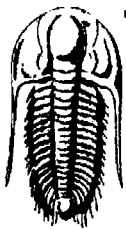
Kisel 1-1215- 2

Start Date: 2005.09.22 @ 11:45:15

End Date: 2005.09.22 @ 20:14:54

Job Ticket #: 21370 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

Presco Western, LLC

5480 Valmont, ste. 300
Boulder, CO 80301

ATTN: Austin Gardner

Kisel 1-1215- 2

22-23-37 Kearny

Job Ticket: 21370

DST#: 2

Test Start: 2005.09.22 @ 11:45:15

GENERAL INFORMATION:

Formation: **St. Louis**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 14:08:10

Time Test Ended: 20:14:54

Test Type: **Conventional Bottom Hole**

Tester: **Brandon Turley**

Unit No: **18**

Interval: **4930.00 ft (KB) To 4963.00 ft (KB) (TVD)**

Total Depth: **4963.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **3281.00 ft (KB)**

3271.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: 6772

Inside

Press@RunDepth: **136.81 psig @ 4935.00 ft (KB)**

Start Date: **2005.09.22**

End Date:

2005.09.22

Start Time: **11:45:15**

End Time:

20:14:54

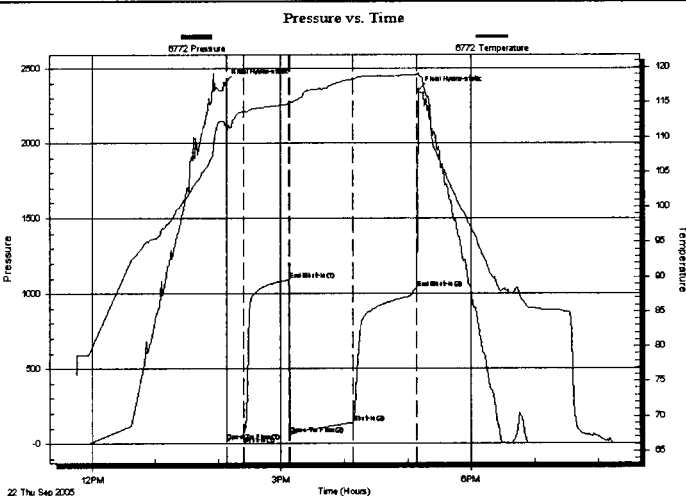
Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Time On Btm: **2005.09.22 @ 14:06:25**

Time Off Btm: **2005.09.22 @ 17:10:09**

TEST COMMENT: IF: 1/4 blow built to 4 1/2 in 15 min.
IS: No return.
FF: 1/4 blow BOB in 21 min.
FS: Surface blow built to 1 1/2 in 90 min.



PRESSURE SUMMARY

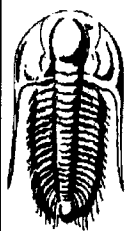
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2401.33	111.95	Initial Hydro-static
2	17.32	110.84	Open To Flow (1)
18	53.82	113.72	Shut-In(1)
62	1092.13	114.77	End Shut-In(1)
63	57.26	114.88	Open To Flow (2)
122	136.81	118.34	Shut-In(2)
182	1036.76	119.00	End Shut-In(2)
184	2354.95	119.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	sow cm 10%o 30%w 60%m	0.30
240.00	gocm 40%g 30%o 30%m	1.18

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, LLC

Kisel 1-1215- 2

5480 Valmont, ste. 300
Boulder, CO 80301

22-23-37 Kearny

Job Ticket: 21370

DST#: 2

ATTN: Austin Gardner

Test Start: 2005.09.22 @ 11:45:15

Tool Information

Drill Pipe:	Length: 4359.00 ft	Diameter: 3.80 inches	Volume: 61.15 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: 566.00 ft	Diameter: 2.25 inches	Volume: 2.78 bbl	Weight to Pull Loose: 100000.0 lb
		Total Volume: 63.93 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 88000.00 lb
Depth to Top Packer:	4930.00 ft			Final 89000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	37.00 ft			
Tool Length:	63.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4905.00	
Shut In Tool	5.00			4910.00	
Sampler	2.00			4912.00	
Hydraulic tool	5.00			4917.00	
Jars	5.00			4922.00	
Safety Joint	3.00			4925.00	
Packer	5.00		Fluid	4930.00	26.00 Bottom Of Top Packer
Packer - Shale	4.00			4934.00	
Stubb	1.00			4935.00	
Recorder	0.00	6772	Inside	4935.00	
Perforations	27.00			4962.00	
Recorder	0.00	7437	Inside	4962.00	
Bullnose	5.00			4967.00	37.00 Anchor Tool

Total Tool Length: 63.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Presco Western, LLC

Kisel 1-1215- 2

5480 Valmont, ste. 300
Boulder, CO 80301

22-23-37 Kearny

Job Ticket: 21370

DST#: 2

ATTN: Austin Gardner

Test Start: 2005.09.22 @ 11:45:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

15000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	sow cm 10%o 30%w 60%m	0.295
240.00	gocm 40%g 30%o 30%m	1.180

Total Length: 300.00 ft

Total Volume: 1.475 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

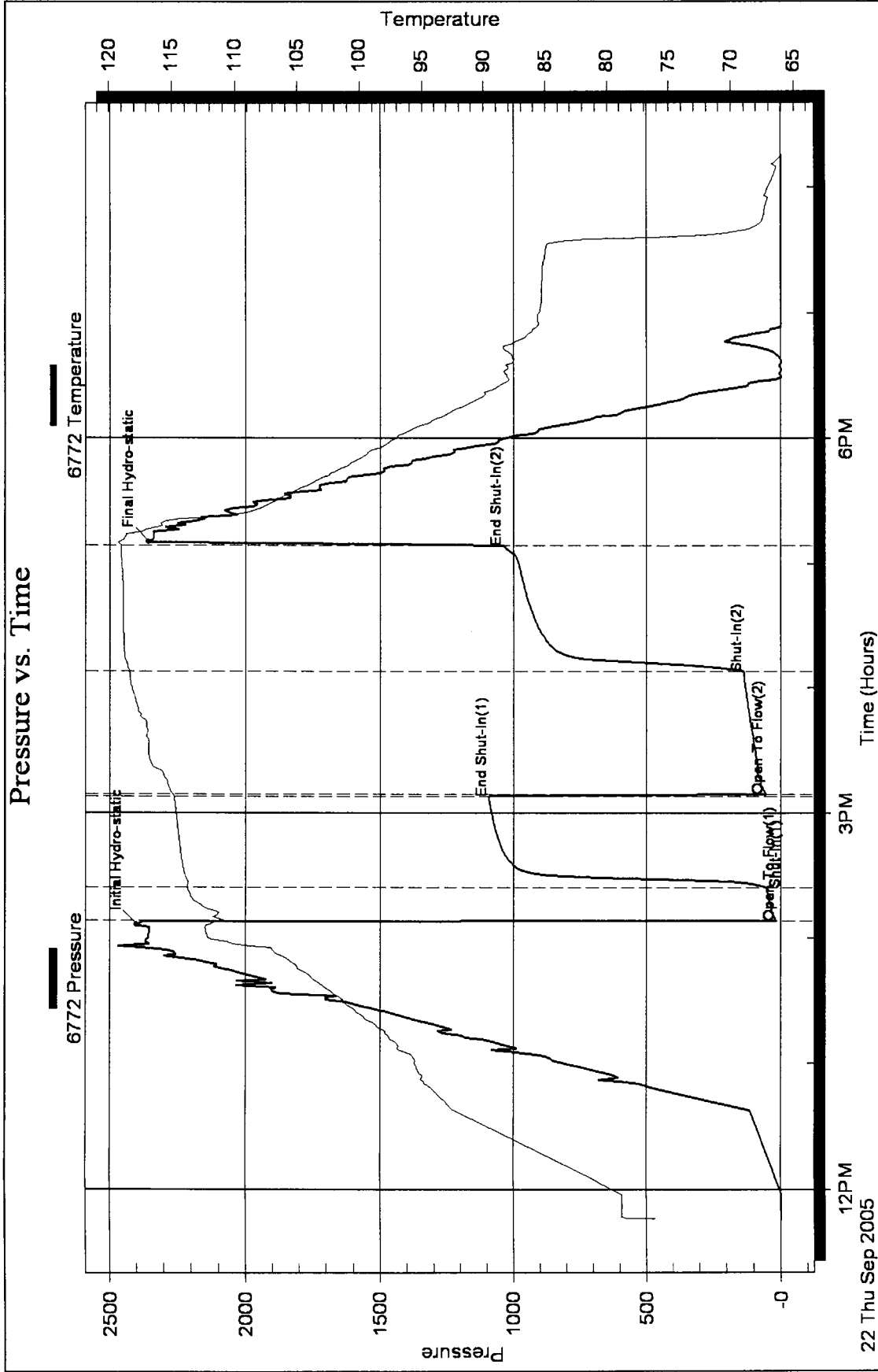
Serial #: 6772

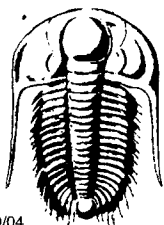
Inside

Presco Western, LLC

22-23-37 Kearny

DST Test Number: 2





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 21369

Test Ticket

Well Name & No. Kisel 1-1215-2 Test No. 1 Date 9-21-05
Company Presco Western, LLC Zone Tested Morrow Sand
Address 5480 Uplmont, Ste 300 Boulder, CO 80301 Elevation 3281 KB 3271 GL
Co. Rep / Geo. Austin Gardner Cont. Martin H Est. Ft. of Pay _____ Por. _____ %
Location: Sec. 22 Twp. 23 Rge. 37 Co. KEARNY State KS
No. of Copies Norm Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4700 4774 Initial Str Wt./Lbs. 82,000 Unseated Str Wt./Lbs. 82,000
Anchor Length _____ 74 Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 100,000
Top Packer Depth _____ 4695 Tool Weight 1500
Bottom Packer Depth _____ 4700 Hole Size 7 7/8" Rubber Size 6 3/4"
Total Depth _____ 4774 Wt. Pipe Run _____ Drill Collar Run 566
Mud Wt. 9.2 LCM 4 Vis. 48 WL 8.0 Drill Pipe Size 4 1/2 X H Ft. Run 4138
Blow Description IF: 1/4 blow died in 7 min.
IS: No return.
FF: No blow.
FS: No return.

Recovery - Total Feet 5 GIP — Ft. in DC 5 Ft. in DP —
Rec. 5 Feet of mud %gas _____ %oil _____ %water 100 %mud
Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
BHT 110 °F Gravity — °API D @ — °F Corrected Gravity — °API
RW — @ — °F Chlorides — ppm Recovery — Chlorides 2000 ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>2297</u>	PSI	Recorder No.	<u>6772</u>	Test <u>X</u> <u>1100.00</u>
(B) First Initial Flow Pressure	<u>18</u>	PSI	(depth)	<u>4701</u>	Jars <u>X</u> <u>200.00</u>
(C) First Final Flow Pressure	<u>20</u>	PSI	Recorder No.	<u>7437</u>	Safety Jt. <u>X</u> <u>50.00</u>
(D) Initial Shut-In Pressure	<u>51</u>	PSI	(depth)	<u>4773</u>	Circ Sub <u>X</u> <u>N/C</u>
(E) Second Initial Flow Pressure	<u>22</u>	PSI	Recorder No.		Sampler <u>X</u> <u>200.00</u>
(F) Second Final Flow Pressure	<u>22</u>	PSI	(depth)		Straddle _____
(G) Final Shut-In Pressure	<u>35</u>	PSI	Initial Opening	<u>15</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>2232</u>	PSI	Initial Shut-In	<u>45</u>	Shale Packer <u>X</u> <u>150.00</u>
			Final Flow	<u>30</u>	Ruined Packer _____
			Final Shut-In	<u>45</u>	Mileage <u>136.00</u>
			T-On Location	<u>2:25</u>	Sub Total: <u>1834</u>
			T-Started	<u>3:07</u>	Std. By _____
			T-Open	<u>5:28</u>	Other _____
			T-Pulled	<u>7:43</u>	Total: _____
			T-Out	<u>10:20</u>	

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Austin Gardner
Our Representative [Signature]



TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 21369 Date 9-21-05
Company Name Presco Western, LLC
Lease Kisel 1-1215-2 Test No. 1
County Kearny Sec. 22 Twp. 23 Rng. 37

SAMPLER RECOVERY

Gas _____ ML Chlorides 2000 ppm.
Oil _____ ML Resistivity _____ ohms @ _____ F
Mud 2000 ML Viscosity 48
Water _____ ML Mud Weight 9.2
Other _____ ML Filtrate 8.0
Pressure 0 ML Other _____
Total _____ ML _____

PIT MUD ANALYSIS

SAMPLER ANALYSIS

Resistivity — ohms @ — F
Chlorides — ppm.
Gravity — corrected @60F

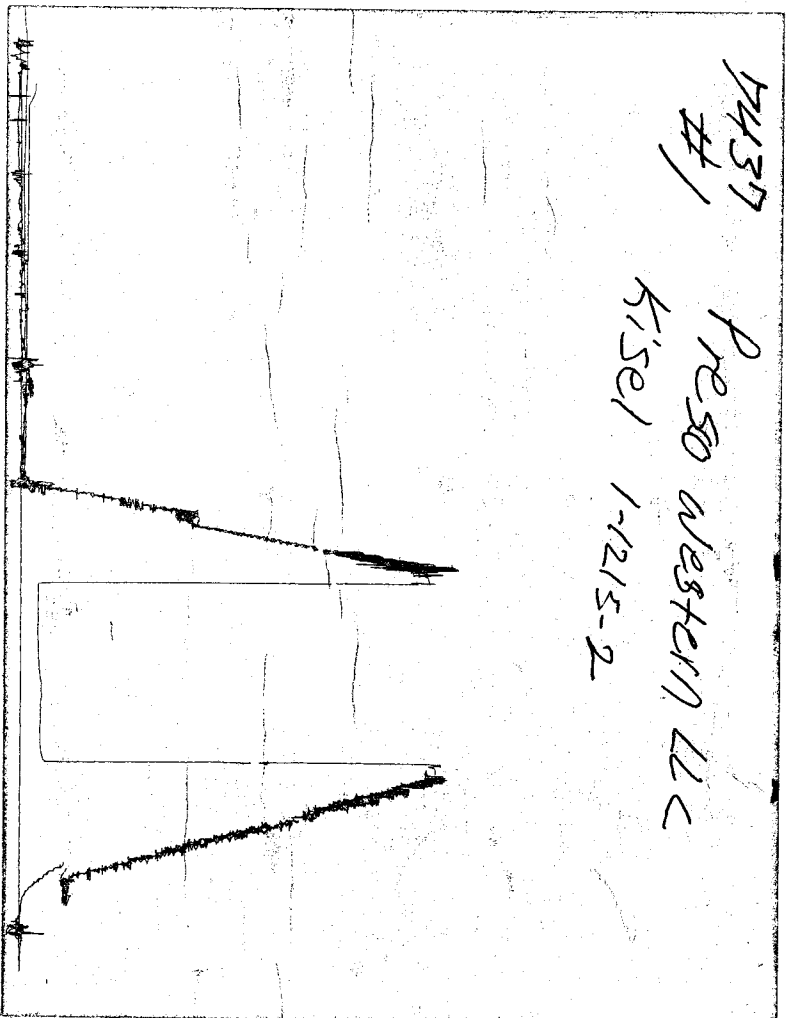
PIPE RECOVERY

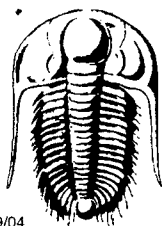
TOP
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

MIDDLE
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

BOTTOM
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 21370

9/04

Test Ticket

Well Name & No. Kisel 1-1215-2 Test No. 2 Date 9-22-05
 Company Presco Western, LLC Zone Tested ST. LOUIS
 Address 5480 Uplmont, Ste 300 Boulder, CO 80301 Elevation 3281 KB 3271 GL
 Co. Rep / Geo. Austin Gardner Cont. Myfin 21 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 22 Twp. 23 Rge. 37 Co. Kearny State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4930 4963 Initial Str Wt./Lbs. 88,000 Unseated Str Wt./Lbs. 89,000
 Anchor Length _____ 33 Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 100,000
 Top Packer Depth _____ 4925 Tool Weight 1500
 Bottom Packer Depth _____ 4930 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth _____ 4963 Wt. Pipe Run _____ Drill Collar Run 566
 Mud Wt. 9.2 LCM 2 Vis. 50 WL 8.0 Drill Pipe Size 4 1/2 XH Ft. Run 4359
 Blow Description IF: 1/4 blow built to 4 1/2 in 15 min.

IS: No return.

EF: 1/4 blow BOB in 21 min.

FS: Surface blow built to 1 1/2 in 90 min.

Recovery - Total Feet 300 GIP 558 Ft. in DC 300 Ft. in DP —
 Rec. 240 Feet of 90CM 40%gas 30%oil %water 30% mud
 Rec. 60 Feet of 50WCM %gas 10 %oil 30%water 60 %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 BHT 119 °F Gravity 37 °API D @ 70 °F Corrected Gravity 36 °API
 RW .45 @ 72 °F Chlorides 15006 ppm Recovery 15006 Chlorides 1800 ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>2401</u>	PSI	Recorder No.	<u>6772</u>	Test x <u>1100.00</u>
(B) First Initial Flow Pressure	<u>17</u>	PSI	(depth)	<u>4931</u>	Jars x <u>200.00</u>
(C) First Final Flow Pressure	<u>53</u>	PSI	Recorder No.	<u>7437</u>	Safety Jt. x <u>50.00</u>
(D) Initial Shut-In Pressure	<u>1092</u>	PSI	(depth)	<u>4962</u>	Circ Sub x <u>N/C</u>
(E) Second Initial Flow Pressure	<u>57</u>	PSI	Recorder No.		Sampler x <u>200.00</u>
(F) Second Final Flow Pressure	<u>136</u>	PSI	(depth)		Straddle _____
(G) Final Shut-In Pressure	<u>1036</u>	PSI	Initial Opening	<u>15</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>2354</u>	PSI	Initial Shut-In	<u>45</u>	Shale Packer x <u>150.00</u>
			Final Flow	<u>60</u>	Ruined Packer <u>250.00</u>
			Final Shut-In	<u>90</u>	Mileage <u>136.00</u>
			T-On Location	<u>11:15</u>	Sub Total: <u>2286</u>
			T-Started	<u>11:45</u>	Std. By _____
			T-Open	<u>14:08</u>	Other _____
			T-Pulled	<u>17:38</u>	Total: _____
			T-Out	<u>20:20</u>	

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Approved By Austin Gardner
 Our Representative [Signature]



TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 21376 Date 9-22-05
Company Name Presco Western, LLC
Lease Kisel 1-1215-2 Test No. 2
County Kearny Sec. 22 Twp. 23 Rng. 37

SAMPLER RECOVERY

Gas _____ ML Chlorides 1800 ppm.
Oil 2000 ML Resistivity _____ ohms @ _____ F
Mud _____ ML Viscosity 50
Water _____ ML Mud Weight 9.2
Other _____ ML Filtrate 8.0
Pressure 400 ML Other _____
Total _____ ML _____

PIT MUD ANALYSIS

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
Gravity 36 corrected @60F

PIPE RECOVERY

TOP
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
MIDDLE
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
BOTTOM
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

CHART PAGE

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

