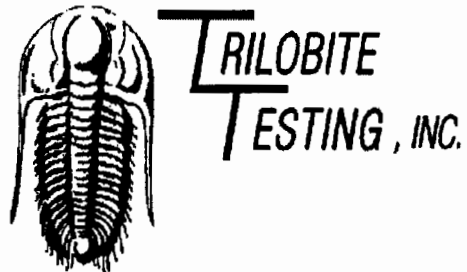


15-119-21111

14-34-29w



DRILL STEM TEST REPORT

Prepared For: **Great Plains Petro Inc**

221 Circle Drive
Wichita KS 67218

ATTN: Jon Christensen

14-34-29

Larrabee #4

Start Date: 2003.09.08 @ 06:17:39

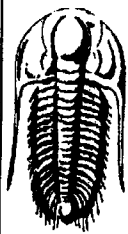
End Date: 2003.09.08 @ 17:50:09

Job Ticket #: 16106 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

Great Plains Petro Inc

221 Circle Drive
Wichita KS 67218

ATTN: Jon Christensen

Larrabee #4

14-34-29

Job Ticket: 16106

DST#: 1

Test Start: 2003.09.08 @ 06:17:39

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:45:39

Time Test Ended: 17:50:09

Test Type: Conventional Bottom Hole

Tester: Blake Wallace

Unit No: 20

Interval: **5146.00 ft (KB) To 5191.00 ft (KB) (TVD)**

Total Depth: 5191.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Good

Reference Elevations: 2446.00 ft (KB)

2436.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 3030

Inside

Press@RunDepth: 424.94 psig @ 5148.00 ft (KB)

Start Date: 2003.09.08

End Date:

2003.09.08

Start Time: 06:17:43

End Time:

17:50:09

Capacity: 7000.00 psig

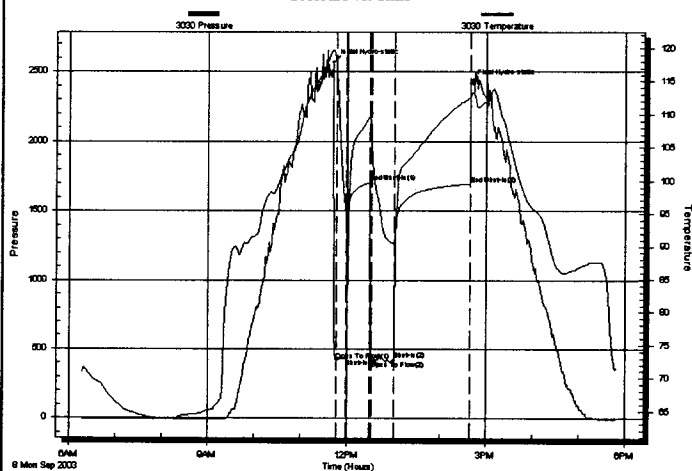
Last Calib.: 1899.12.30

Time On Btrr: 2003.09.08 @ 11:41:39

Time Off Btrr: 2003.09.08 @ 14:39:39

TEST COMMENT: IF-strong blow BOB 30 sec GTS 2 min
IS-blew through out
FF-strong blow BOB as soon as open
FSI-no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2567.24	119.72	Initial Hydro-static
4	420.26	118.26	Open To Flow (1)
18	428.35	94.17	Shut-In (1)
48	1707.27	109.64	End Shut-In (1)
50	416.93	105.95	Open To Flow (2)
79	424.94	90.53	Shut-In (2)
178	1697.15	112.61	End Shut-In (2)
178	2418.29	112.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5119.00	GIP	69.09

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	120.00	2099.31
Last Gas Rate	0.75	144.00	2474.18
Max. Gas Rate	0.75	152.00	2599.14



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Plains Petro Inc

Larrabee #4

221 Circle Drive
Wichita KS 67218

14-34-29

Job Ticket: 16106

DST#: 1

ATTN: Jon Christensen

Test Start: 2003.09.08 @ 06:17:39

Tool Information

Drill Pipe:	Length: 4851.00 ft	Diameter: 3.80 inches	Volume: 68.05 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: 20000.00 lb
Drill Collar:	Length: 298.00 ft	Diameter: 2.25 inches	Volume: 1.47 bbl	Weight to Pull Loose: 66000.00 lb
		Total Volume:	69.52 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	5146.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	72.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			5124.00	
Hydraulic tool	5.00			5129.00	
Jars	5.00			5134.00	
Safety Joint	3.00			5137.00	
Packer	5.00			5142.00	27.00 Bottom Of Top Packer
Packer	4.00			5146.00	
Stubb	1.00			5147.00	
Perforations	1.00			5148.00	
Recorder	0.00	3030	Inside	5148.00	
Perforations	40.00			5188.00	
Recorder	0.00			5188.00	
Bullnose	3.00			5191.00	45.00 Bottom Packers & Anchor

Total Tool Length: 72.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Petro Inc

Larrabee #4

221 Circle Drive
Wichita KS 67218

14-34-29

Job Ticket: 16106

DST#: 1

ATTN: Jon Christensen

Test Start: 2003.09.08 @ 06:17:39

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: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5119.00	GIP	69.091

Total Length: 5119.00 ft

Total Volume: 69.091 bbl

Num Fluid Samples: 1

Num Gas Bombs: 0

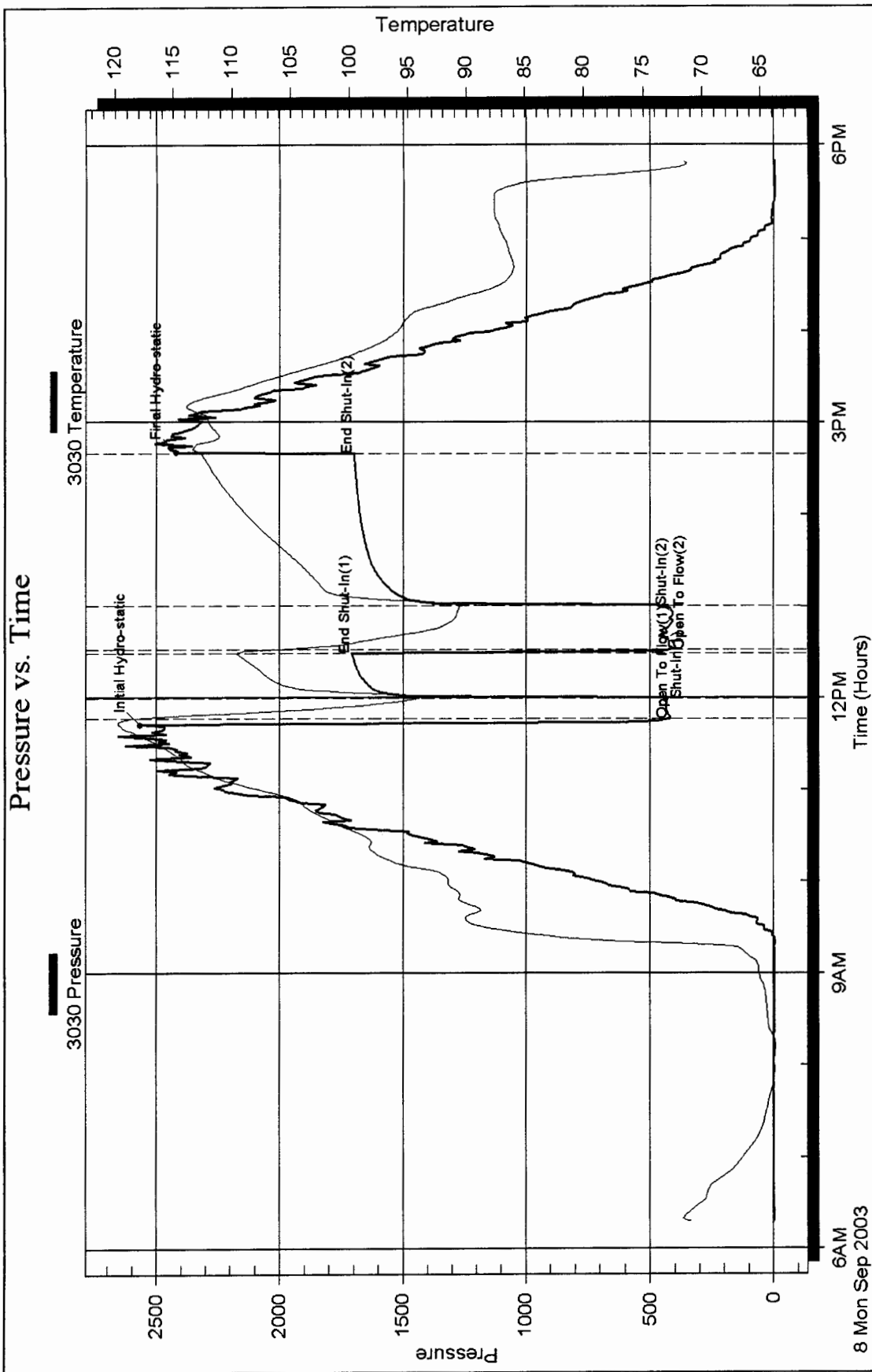
Serial #:

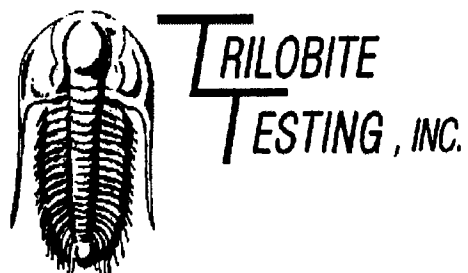
Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Great Plains Petro Inc**

221 Circle Drive
Wichita KS 67218

ATTN: Jon Christensen

14-34-29

Larrabee #4

Start Date: 2003.09.11 @ 06:00:09

End Date: 2003.09.11 @ 17:40:47

Job Ticket #: 16137 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Great Plains Petro Inc

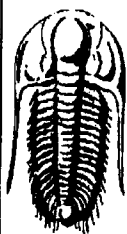
Larrabee #4

14-34-29

DST # 2

Morrow

2003.09.11



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Great Plains Petro Inc

221 Circle Drive
Wichita KS 67218

ATTN: Jon Christensen

Larrabee #4

14-34-29

Job Ticket: 16137

DST#: 2

Test Start: 2003.09.11 @ 06:00:09

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:58:57

Time Test Ended: 17:40:47

Test Type: Conventional Bottom Hole

Tester: Chris Hagman

Unit No: 17

Interval: **5707.00 ft (KB) To 5795.00 ft (KB) (TVD)**

Total Depth: 5795.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Good

Reference Elevations: 2446.00 ft (KB)

2436.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6771

Inside

Press@RunDepth: 49.01 psig @ 5708.00 ft (KB)

Start Date: 2003.09.11

End Date:

2003.09.11

Start Time: 06:00:14

End Time:

17:40:46

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2003.09.11 @ 09:57:27

Time Off Btm: 2003.09.11 @ 13:46:37

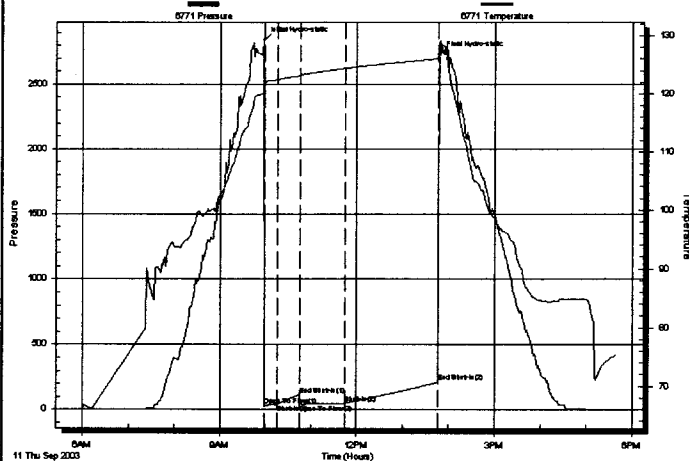
TEST COMMENT: IF: Weak blow 5.5 inches in 15 min.

IS: No blow back

FF: Weak blow 3.0 inches in 60 min.

FS: No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2838.80	120.33	Initial Hydro-static
2	32.38	121.44	Open To Flow (1)
18	37.71	122.42	Shut-In (1)
48	115.20	123.08	End Shut-In (1)
49	39.81	123.33	Open To Flow (2)
107	49.01	124.35	Shut-In (2)
229	212.71	126.06	End Shut-In (2)
230	2729.35	128.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	Mud 100%	0.30
124.00	Gas 100%	0.61

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Plains Petro Inc

Larrabee #4

221 Circle Drive
Wichita KS 67218

14-34-29

Job Ticket: 16137

DST#: 2

ATTN: Jon Christensen

Test Start: 2003.09.11 @ 06:00:09

Tool Information

Drill Pipe:	Length: 5470.00 ft	Diameter: 3.80 inches	Volume: 76.73 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: 30000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 100000.0 lb
		Total Volume: 77.91 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	5707.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	88.00 ft			
Tool Length:	115.00 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	1.00			5681.00	
Shut In Tool	5.00			5686.00	
Hydraulic tool	5.00			5691.00	
Jars	5.00			5696.00	
Safety Joint	2.00			5698.00	
Packer	5.00			5703.00	27.00 Bottom Of Top Packer
Packer	4.00			5707.00	
Stubb	1.00			5708.00	
Recorder	0.00	6771	Inside	5708.00	
Perforations	15.00			5723.00	
Change Over Sub	1.00			5724.00	
Blank Spacing	62.00			5786.00	
Change Over Sub	1.00			5787.00	
Perforations	5.00			5792.00	
Recorder	0.00	6246	Inside	5792.00	
Bullnose	3.00			5795.00	88.00 Bottom Packers & Anchor
Total Tool Length:		115.00			



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Petro Inc

Larrabee #4

221 Circle Drive
Wichita KS 67218

14-34-29

Job Ticket: 16137

DST#: 2

ATTN: Jon Christensen

Test Start: 2003.09.11 @ 06:00:09

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: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	Mud 100%	0.305
124.00	Gas 100%	0.610

Total Length: 186.00 ft

Total Volume: 0.915 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

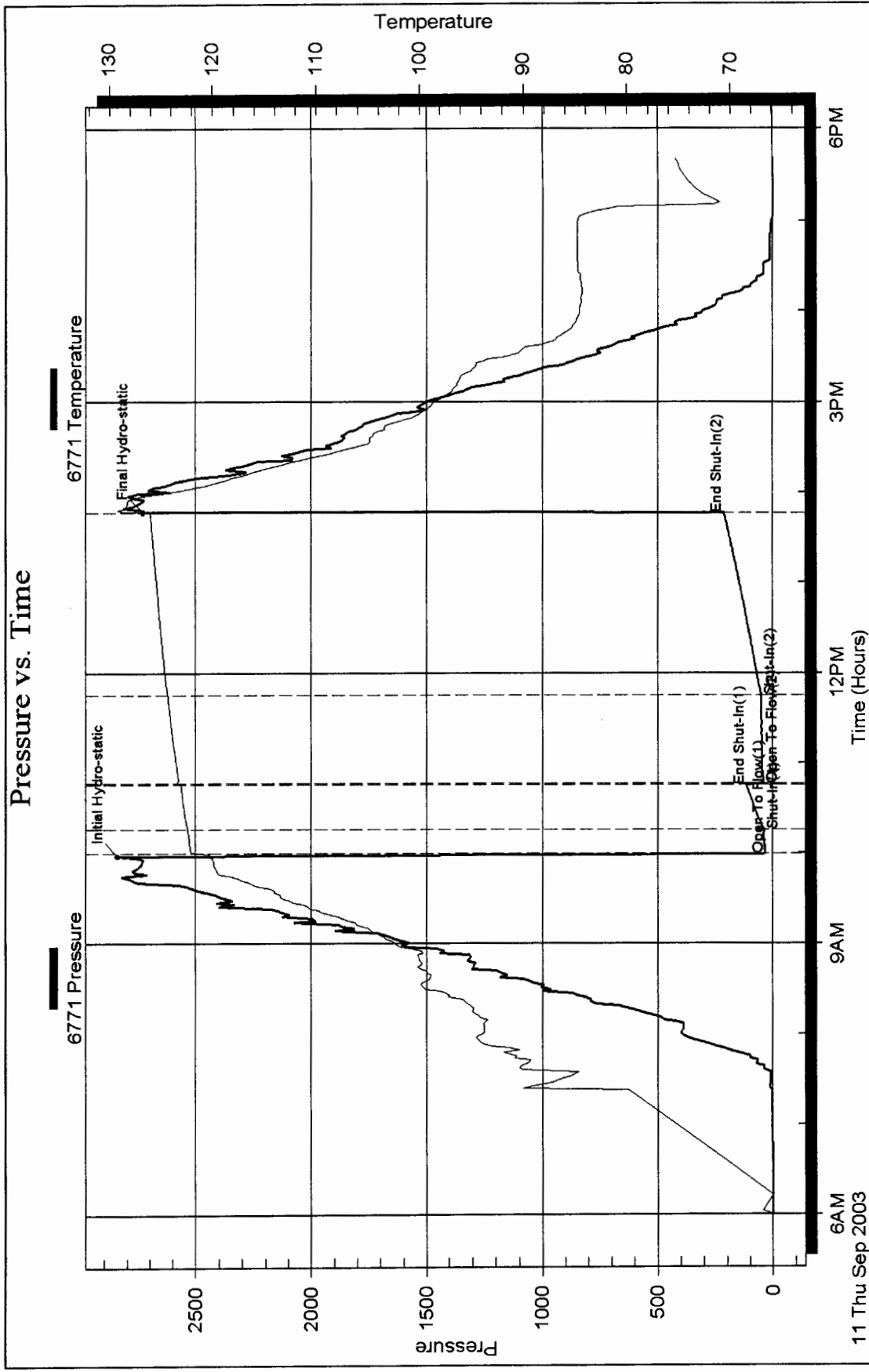
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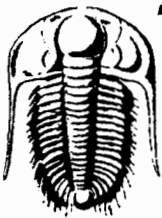
Inside

Great Plains Petro Inc

14-34-29

DST Test Number: 2





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV 5822

No 16106

Test Ticket

Well Name & No. <u>LAPPABEE #4</u>	Test No. <u>1</u>	Date <u>9-8-03</u>
Company <u>GREAT PLAINS PETRO. INC</u>	Zone Tested <u>MARMATON</u>	
Address <u>221 Circle Drive, WICHITA KS 67218</u>	Elevation <u>2446'</u> KB <u>2436'</u> GL	
Co. Rep / Geo. <u>Jon Christensen</u>	Cont. <u>VAL Rig #2</u>	Est. Ft. of Pay <u>3</u> Por. <u> </u> %
Location: Sec. <u>14</u> Twp. <u>34S</u> Rge. <u>29W</u>	Co. <u>MEADE</u>	State <u>KS</u>
No. of Copies <u> </u>	Distribution Sheet (Y, N) <u> </u>	Turnkey (Y, N) <u> </u> Evaluation (Y, N) <u> </u>

Interval Tested <u>5146'-5191'</u>	Initial Str Wt./Lbs. <u>6000</u>	Unseated Str Wt./Lbs. <u>6000</u>
Anchor Length <u>45'</u>	Wt. Set Lbs. <u>20000</u>	Wt. Pulled Loose/Lbs. <u>6000</u>
Top Packer Depth <u>5141'</u>	Tool Weight <u>1800</u>	
Bottom Packer Depth <u>5146'</u>	Hole Size — 7 7/8" <u>✓</u>	Rubber Size — 6 3/4" <u>✓</u>
Total Depth <u>5191'</u>	Wt. Pipe Run <u>N/A</u>	Drill Collar Run <u>298'</u>
Mud Wt. <u>9.0</u> LCM <u>3</u> Vis. <u>48</u> WL <u>80</u>	Drill Pipe Size <u>4.5 X-H</u>	Ft. Run <u>4751'</u>
Blow Description <u>17-Strong blow BOB 30 sec GTS 2 min</u>		
<u>ISI-blew throughout</u>		
<u>17-Strong blow BOB AS soon AS open</u>		
<u>7SI-No blow back</u>		

Recovery — Total Feet <u>0'</u>	GIP <u>5119'</u>	Ft. in DC <u> </u>	Ft. in DP <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>		
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>		
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>		
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>		
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>		
BHT <u>112</u> °F Gravity <u> </u>	°API D@ <u> </u>	°F Corrected Gravity <u> </u>	°API <u> </u>
RW <u> </u> @ <u> </u> °F	Chlorides <u> </u> ppm Recovery <u> </u>	Chlorides <u>5600</u>	ppm System <u> </u>

(A) Initial Hydrostatic Mud <u>2567</u>	PSI Recorder No. <u>3030</u>	T-On Location <u>0545</u>
(B) First Initial Flow Pressure <u>440</u>	PSI (depth) <u>5148'</u>	T-Started <u>0900</u>
(C) First Final Flow Pressure <u>448</u>	PSI Recorder No. <u>11019</u>	T-Open <u>1145</u>
(D) Initial Shut-In Pressure <u>1707</u>	PSI (depth) <u>5188'</u>	T-Pulled <u>1430</u>
(E) Second Initial Flow Pressure <u>416</u>	PSI Recorder No. <u> </u>	T-Out <u>1751000</u>
(F) Second Final Flow Pressure <u>424</u>	PSI (depth) <u> </u>	T-Off Location <u> </u>
(G) Final Shut-in Pressure <u>1697</u>	PSI Initial Opening <u>15</u>	Test <u>✓ Conventional 900</u>
(Q) Final Hydrostatic Mud <u>2418</u>	PSI Initial Shut-in <u>530</u>	Jars <u>✓</u> <u>200</u>
	Final Flow <u>30</u>	Safety Joint <u>✓</u> <u>50</u>
	Final Shut-in <u>90</u>	Straddle <u> </u>
		Circ. Sub <u> </u>
		Sampler <u> </u>
		Extra Packer <u>150</u>
		Elec. Rec. <u>✓</u> <u>68</u>
		Mileage <u>✓</u> <u>168.00</u>
		Other <u>2 hrs sp by</u> <u>1368</u>
		TOTAL PRICE \$ <u>1168.00</u> <u>60</u>
		<u>11428</u>

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGE 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 Jon Christensen
Our Representative Blair Wallock



GAS VOLUME REPORT

LARABEE #4

OPERATOR

WELL NAME AND NO.

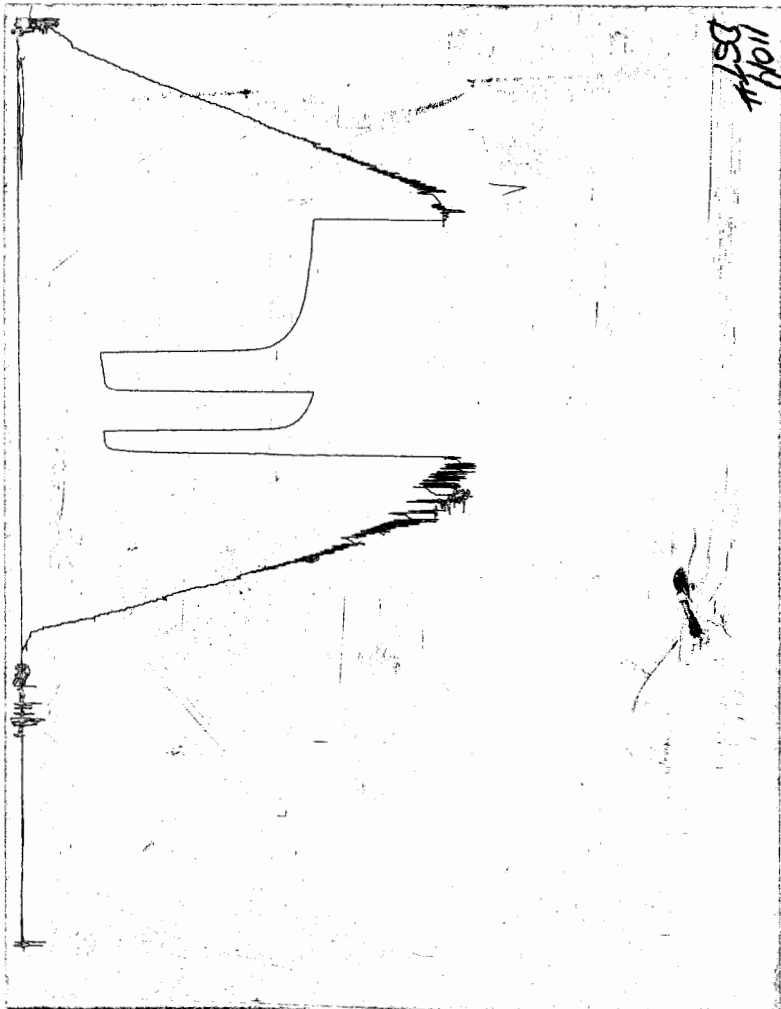
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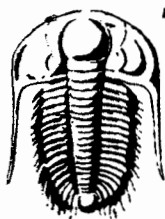
GTS IN 2" OF IFP.

Remarks: GAS CHILL BURN

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16137

Test Ticket

Well Name & No. Larrabee #4 Test No. DST-2 Date 9-11-03
 Company Great Plains Petroleum, Inc. Zone Tested Morrow
 Address 221 Circle Drive Wichita, KS 67218 Elevation 2446 KB 2436 GL
 Co. Rep / Geo. Jon Christensen Cont. _____ Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 14 Twp. 34 Rge. 26 Co. Neade State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 5707 - 5795 Initial Str Wt./Lbs. 66,000 Unseated Str Wt./Lbs. 66,000
 Anchor Length 88' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 100,000
 Top Packer Depth 5702 Tool Weight 2000
 Bottom Packer Depth 5707 Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓
 Total Depth 5795 Wt. Pipe Run N.A. Drill Collar Run 240
 Mud Wt. 9.2 LCM 2^h Vis. 51 WL 8.0 Drill Pipe Size 4.5 XH Ft. Run _____
 Blow Description IF: Weak blow 5.5 inches in 15 min.
ISI: No Blowback
FF: Weak Blow 30 inches in 60 min.
FST: No Blow back

Recovery — Total Feet 186 GIP 124 Ft. in DC _____ Ft. in DP 124
 Rec. 62 Feet Of Mud %gas _____ %oil _____ %water 100% mud
 Rec. 124 Feet Of Gas ~~100%~~ %gas 100% %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 126.06 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 5200 ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>2839</u>	PSI	Recorder No. <u>6771</u>	T-On Location	<u>0400</u>
(B) First Initial Flow Pressure	<u>32</u>	PSI	(depth) <u>5708</u>	T-Started	<u>0630</u>
(C) First Final Flow Pressure	<u>38</u>	PSI	Recorder No. <u>6246</u>	T-Open	<u>1000</u>
(D) Initial Shut-In Pressure	<u>115</u>	PSI	(depth) <u>5792</u>	T-Pulled	<u>1345</u>
(E) Second Initial Flow Pressure	<u>40</u>	PSI	Recorder No. _____	T-Out	<u>1730</u>
(F) Second Final Flow Pressure	<u>223.49</u>	PSI	(depth) _____	T-Off Location	<u>1830</u>
(G) Final Shut-in Pressure	<u>213</u>	PSI	Initial Opening <u>15</u>	Test	✓ <u>conver. Bottom hole</u> 900
(Q) Final Hydrostatic Mud	<u>2729</u>	PSI	Initial Shut-in <u>30</u>	Jars	✓ 200
			Final Flow <u>60</u>	Safety Joint	✓ 50
			Final Shut-in <u>120</u>	Straddle	_____
				Circ. Sub	_____
				Sampler	_____

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGE 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 Jon Christensen

Our Representative [Signature]

no Extra Packer [Signature] 150
 Elec. Rec. ✓ 1368
 Mileage 80 105
 Other Stand by x 3.5
 TOTAL PRICE \$ 1485 1473

CHART PAGE

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

