

DRILL STEM TEST REPORT

Prepared For: **Anadarko Petroleum Corp**

1201 Lake Robbins Drive
The Woodlands TX 77380

ATTN: Kenny Parks

15-25-34

HJV Brown M#1

Start Date: 2004.04.06 @ 01:33:52

End Date: 2004.04.06 @ 07:28:52

Job Ticket #: 18289 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

Anadarko Petroleum Corp
1201 Lake Robbins Drive
The Woodlands TX 77380
ATTN: Kenny Parks

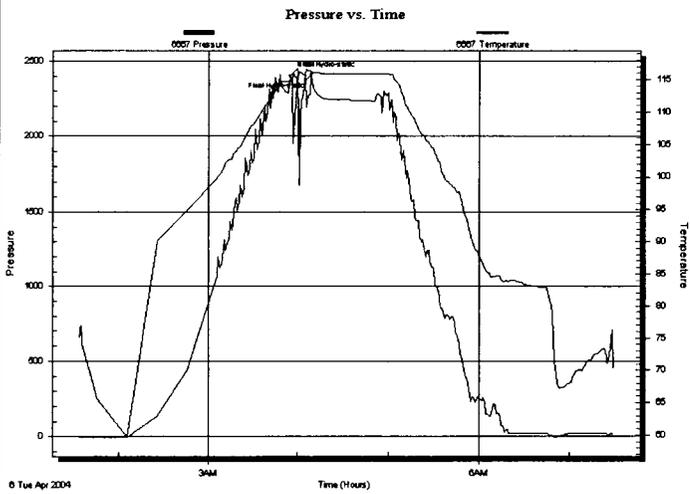
HJV Brown M#1
15-25-34
Job Ticket: 18289 **DST#: 1**
Test Start: 2004.04.06 @ 01:33:52

GENERAL INFORMATION:

Formation: **Morrow**
Deviated: No Whipstock: ft (KB)
Time Tool Opened:
Time Test Ended: 07:28:52
Test Type: Inflate Straddle
Tester: Blake Wallace
Unit No: 20
Interval: **4833.00 ft (KB) To 4853.00 ft (KB) (TVD)**
Reference Elevations: 2967.00 ft (KB)
Total Depth: 5201.00 ft (KB) (TVD) 2957.00 ft (CF)
Hole Diameter: 7.78 inches Hole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 6667 **Outside**
Press@RunDepth: psig @ 4835.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2004.04.06 End Date: 2004.04.06 Last Calib.: 1899.12.30
Start Time: 01:33:53 End Time: 07:28:52 Time On Btm: 2004.04.06 @ 03:54:52
Time Off Btm: 2004.04.06 @ 04:08:52

TEST COMMENT: Opened tool & lost packer seat. Tried 2 more times with no succes. packer failure



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2401.63	114.65	Initial Hydro-static
14	2413.79	116.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
558.00	100% Mud	2.74

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Anadarko Petroleum Corp
1201 Lake Robbins Drive
The Woodlands TX 77380
ATTN: Kenny Parks

HJV Brown M#1
15-25-34
Job Ticket: 18289 **DST#: 1**
Test Start: 2004.04.06 @ 01:33:52

Tool Information

Drill Pipe:	Length: 4228.00 ft	Diameter: 3.80 inches	Volume: 59.31 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: 599.00 ft	Diameter: 2.25 inches	Volume: 2.95 bbl	Weight to Pull Loose: 92000.00 lb
			<u>Total Volume: 62.26 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 74000.00 lb
Depth to Top Packer:	4833.00 ft			Final 79000.00 lb
Depth to Bottom Packer:	4849.00 ft			
Interval between Packers:	16.00 ft			
Tool Length:	398.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4808.00	
Sampler	3.00			4811.00	
HMV	5.00			4816.00	
Jars	5.00			4821.00	
Safety Joint	3.00			4824.00	
Packer	5.00			4829.00	30.00 Bottom Of Top Packer
Packer	4.00			4833.00	
Stubb	1.00			4834.00	
Perforations	1.00			4835.00	
Recorder	0.00	6667	Outside	4835.00	
Perforations	13.00			4848.00	
Recorder	0.00	11019		4848.00	
Blank Off Sub	1.00			4849.00	16.00 Tool Interval
Packer	4.00			4853.00	
Stubb	1.00			4854.00	
Change Over Sub	1.00			4855.00	
Recorder	0.00	13255	Below	4855.00	
Blank Spacing	342.00			5197.00	
Change Over Sub	1.00			5198.00	
Bullnose	3.00			5201.00	352.00 Bottom Packers & Anchor

Total Tool Length: 398.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Anadarko Petroleum Corp
1201 Lake Robbins Drive
The Woodlands TX 77380
ATTN: Kenny Parks

HJV Brown M#1
15-25-34
Job Ticket: 18289 **DST#: 1**
Test Start: 2004.04.06 @ 01:33:52

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: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1250.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
558.00	100% Mud	2.744

Total Length: 558.00 ft Total Volume: 2.744 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

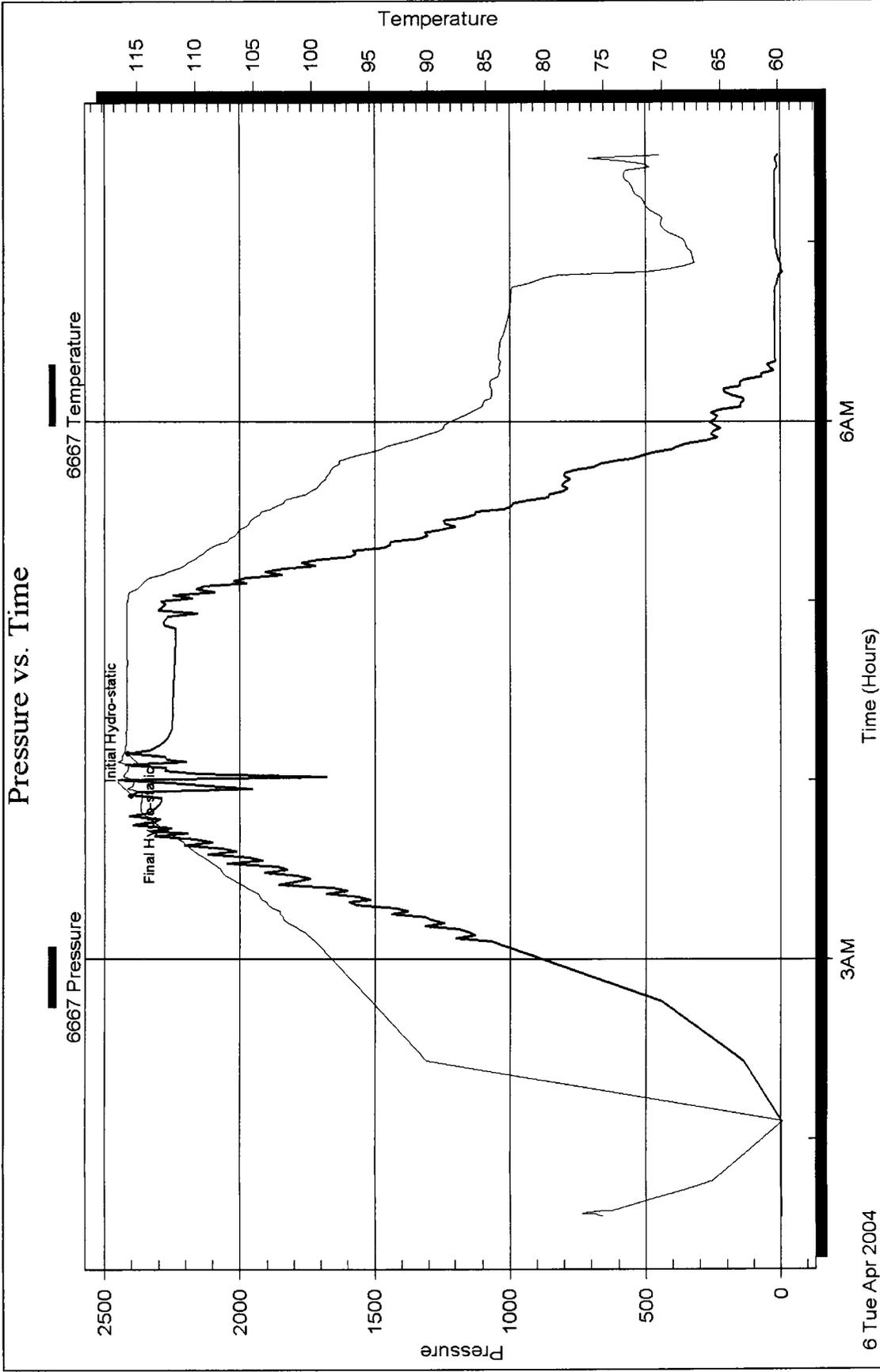
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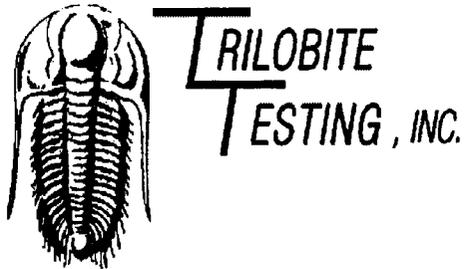
Serial #: 6667

Outside Anadarko Petroleum Corp

15-25-34

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Anadarko Petroleum Corp**

1201 Lake Robbins Drive
The Woodlands TX 77380

ATTN: Kenny Parks

15-25-34

HJV Brown M#1

Start Date: 2004.04.06 @ 07:35:04

End Date: 2004.04.06 @ 12:45:27

Job Ticket #: 18290 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Anadarko Petroleum Corp

HJV Brown M#1

15-25-34

DST # 2

Morrow

2004.04.06



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Anadarko Petroleum Corp
1201 Lake Robbins Drive
The Woodlands TX 77380
ATTN: Kenny Parks

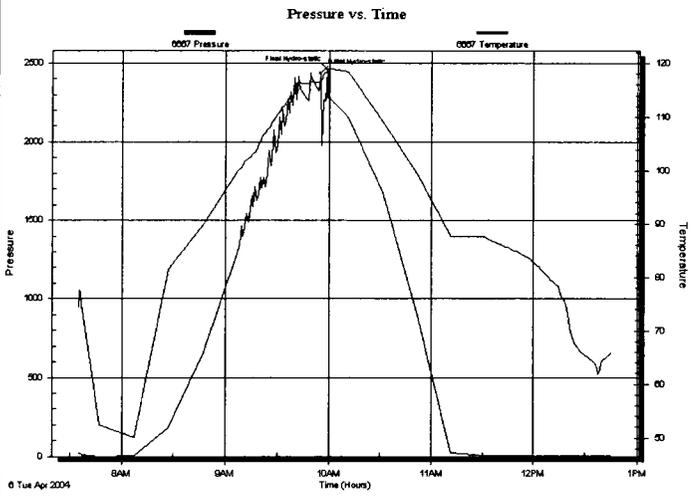
HJV Brown M#1
15-25-34
Job Ticket: 18290 **DST#: 2**
Test Start: 2004.04.06 @ 07:35:04

GENERAL INFORMATION:

Formation: **Morrow**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened:
Time Test Ended: **12:45:27**
Test Type: **Conventional Straddle**
Tester: **Blake Wallace**
Unit No: **20**
Interval: **4813.00 ft (KB) To 4848.00 ft (KB) (TVD)**
Reference Elevations: **2967.00 ft (KB)**
2957.00 ft (CF)
Total Depth: **5201.00 ft (KB) (TVD)**
Hole Diameter: **7.78 inches** Hole Condition: **Good**
KB to GR/CF: **10.00 ft**

Serial #: 6667 **Outside**
Press@RunDepth: **psig @ 4815.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2004.04.06** End Date: **2004.04.06** Last Calib.: **1899.12.30**
Start Time: **07:35:05** End Time: **12:45:27** Time On Btm: **2004.04.06 @ 09:55:04**
Time Off Btm: **2004.04.06 @ 09:59:04**

TEST COMMENT: Opened tool & lost packer seat. Tried once more with same results.
Packer Failure



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2434.17	116.52	Initial Hydro-static
4	2456.78	118.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Anadarko Petroleum Corp

HJV Brown M#1

1201 Lake Robbins Drive
The Woodlands TX 77380

15-25-34

Job Ticket: 18290

DST#: 2

ATTN: Kenny Parks

Test Start: 2004.04.06 @ 07:35:04

Tool Information

Drill Pipe:	Length: 4194.00 ft	Diameter: 3.80 inches	Volume: 58.83 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: 599.00 ft	Diameter: 2.25 inches	Volume: 2.95 bbl	Weight to Pull Loose: 79000.00 lb
			<u>Total Volume: 61.78 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 74000.00 lb
Depth to Top Packer:	4813.00 ft			Final 79000.00 lb
Depth to Bottom Packer:	4844.00 ft			
Interval between Packers:	31.00 ft			
Tool Length:	418.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4788.00	
Sampler	3.00			4791.00	
HMV	5.00			4796.00	
Jars	5.00			4801.00	
Safety Joint	3.00			4804.00	
Packer	5.00			4809.00	30.00 Bottom Of Top Packer
Packer	4.00			4813.00	
Stubb	1.00			4814.00	
Perforations	1.00			4815.00	
Recorder	0.00	6667	Outside	4815.00	
Perforations	28.00			4843.00	
Recorder	0.00	11019		4843.00	
Blank Off Sub	1.00			4844.00	31.00 Tool Interval
Packer	4.00			4848.00	
Stubb	1.00			4849.00	
Change Over Sub	1.00			4850.00	
Recorder	0.00	13255	Below	4850.00	
Blank Spacing	345.00			5195.00	
Change Over Sub	1.00			5196.00	
Perforations	2.00			5198.00	
Bullnose	3.00			5201.00	357.00 Bottom Packers & Anchor

Total Tool Length: 418.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Anadarko Petroleum Corp

HJV Brown M#1

1201 Lake Robbins Drive
The Woodlands TX 77380

15-25-34

Job Ticket: 18290

DST#: 2

ATTN: Kenny Parks

Test Start: 2004.04.06 @ 07:35:04

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: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1250.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

Total Length: ft Total Volume: bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

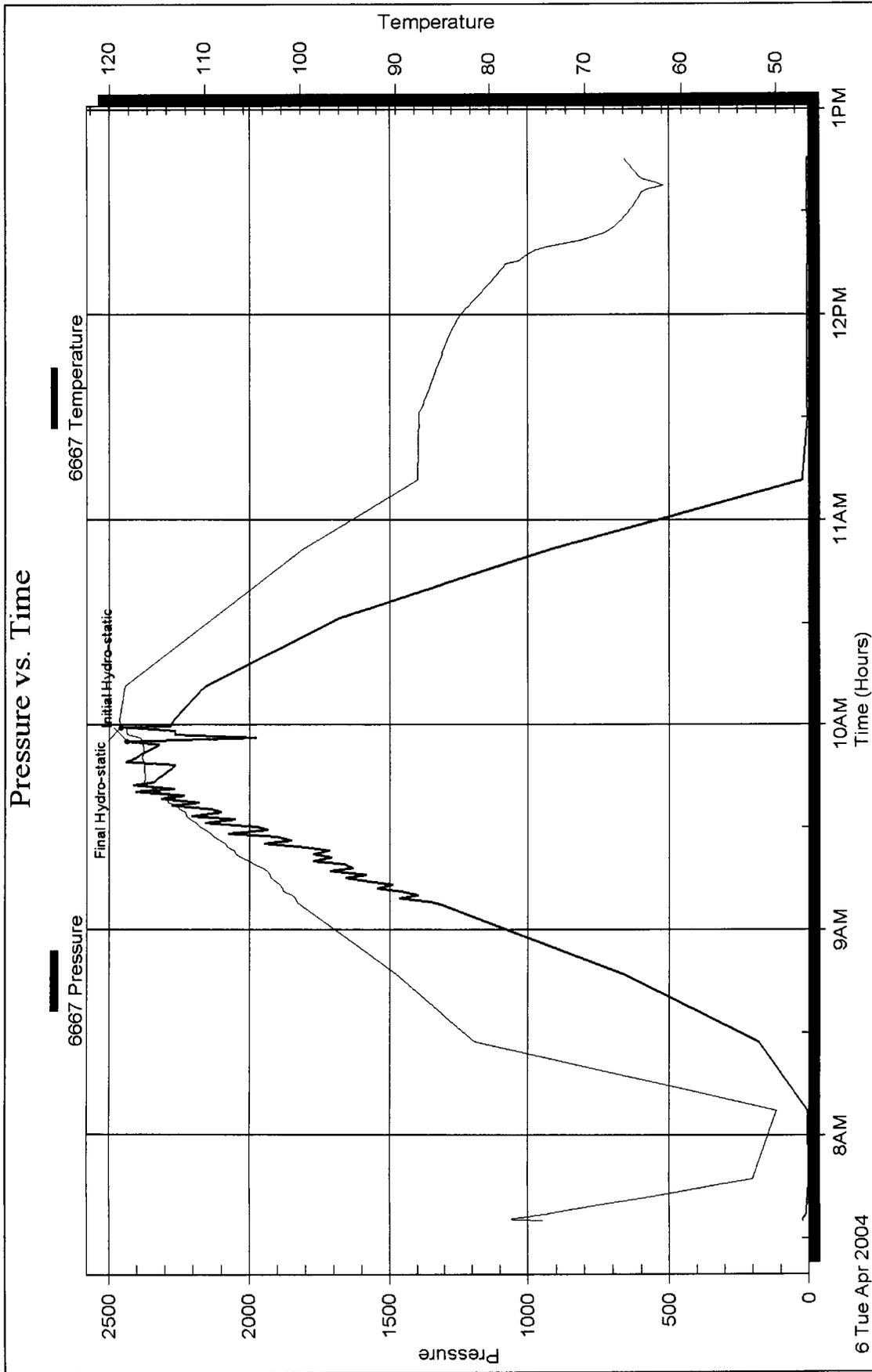
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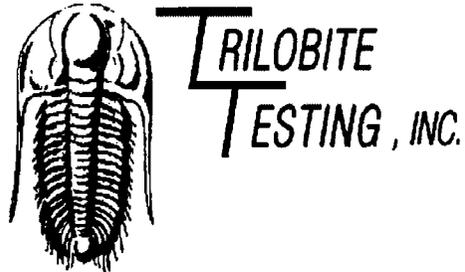
Serial #: 6667

Outside Anadarko Petroleum Corp

15-25-34

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Anadarko Petroleum Corp**

1201 Lake Robbins Drive
The Woodlands TX 77380

ATTN: Kenny Parks

15-25-34

HJV Brown M#1

Start Date: 2004.04.06 @ 13:00:13

End Date: 2004.04.06 @ 22:24:13

Job Ticket #: 18291 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Anadarko Petroleum Corp

HJV Brown M#1

15-25-34

DST # 3

Morrow

2004.04.06



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Anadarko Petroleum Corp

HJV Brown M#1

1201 Lake Robbins Drive
The Woodlands TX 77380

15-25-34

ATTN: Kenny Parks

Job Ticket: 18291

DST#: 3

Test Start: 2004.04.06 @ 13:00:13

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:09:43

Time Test Ended: 22:24:13

Test Type: Conventional Straddle

Tester: Blake Wallace

Unit No: 20

Interval: **4835.00 ft (KB) To 4850.00 ft (KB) (TVD)**

Total Depth: 5201.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Good

Reference Elevations: 2967.00 ft (KB)

2957.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6667 Outside

Press@RunDepth: 78.70 psig @ 4837.00 ft (KB)

Start Date: 2004.04.06

End Date:

2004.04.06

Start Time: 13:00:14

End Time:

22:24:13

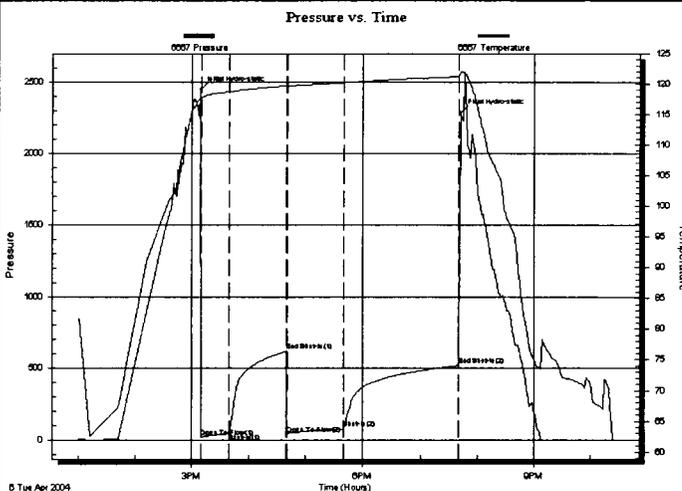
Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2004.04.06 @ 15:08:43

Time Off Btm: 2004.04.06 @ 19:41:43

TEST COMMENT: IF-strong blow BOB 6 min
IS-no blow back
FF-strong blow BOB 8 min
FSI-no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2449.37	117.72	Initial Hydro-static
1	20.42	117.73	Open To Flow (1)
31	46.94	118.71	Shut-In(1)
91	619.75	119.69	End Shut-In(1)
92	43.37	119.59	Open To Flow (2)
152	78.70	120.20	Shut-In(2)
272	519.72	121.21	End Shut-In(2)
273	2290.21	122.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1202.00	GIP	11.40
100.00	20% gas 80% oil	1.40

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Anadarko Petroleum Corp
1201 Lake Robbins Drive
The Woodlands TX 77380
ATTN: Kenny Parks

HJV Brown M#1
15-25-34
Job Ticket: 18291 **DST#: 3**
Test Start: 2004.04.06 @ 13:00:13

Tool Information

Drill Pipe:	Length: 4224.00 ft	Diameter: 3.80 inches	Volume: 59.25 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: 599.00 ft	Diameter: 2.25 inches	Volume: 2.95 bbl	Weight to Pull Loose: 86000.00 lb
			<u>Total Volume: 62.20 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4835.00 ft			Final 82000.00 lb
Depth to Bottom Packer:	4846.00 ft			
Interval between Packers:	11.00 ft			
Tool Length:	396.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		
Tool Comments: Straddle packer held				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4810.00	
Sampler	3.00			4813.00	
HMV	5.00			4818.00	
Jars	5.00			4823.00	
Safety Joint	3.00			4826.00	
Packer	5.00			4831.00	30.00 Bottom Of Top Packer
Packer	4.00			4835.00	
Stubb	1.00			4836.00	
Perforations	1.00			4837.00	
Recorder	0.00	6667	Outside	4837.00	
Perforations	8.00			4845.00	
Recorder	0.00	11019		4845.00	
Blank Off Sub	1.00			4846.00	11.00 Tool Interval
Packer	4.00			4850.00	
Stubb	1.00			4851.00	
Change Over Sub	1.00			4852.00	
Recorder	0.00	13255	Below	4852.00	
Blank Spacing	345.00			5197.00	
Change Over Sub	1.00			5198.00	
Bullnose	3.00			5201.00	355.00 Bottom Packers & Anchor

Total Tool Length: 396.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Anadarko Petroleum Corp
1201 Lake Robbins Drive
The Woodlands TX 77380
ATTN: Kenny Parks

HJV Brown M#1
15-25-34
Job Ticket: 18291 **DST#: 3**
Test Start: 2004.04.06 @ 13:00:13

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: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1250.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1202.00	GIP	11.404
100.00	20% gas 80% oil	1.403

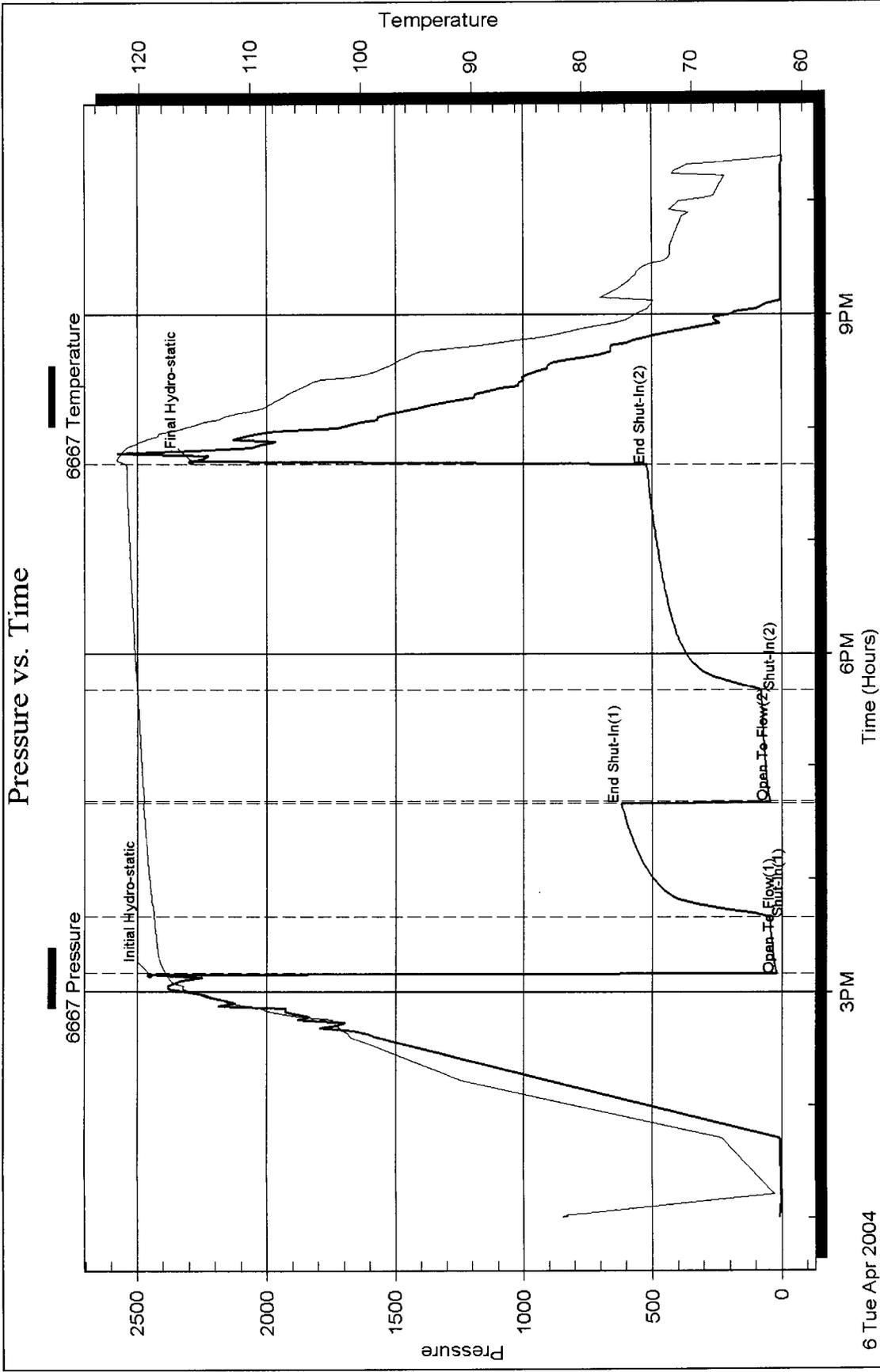
Total Length: 1302.00 ft Total Volume: 12.807 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

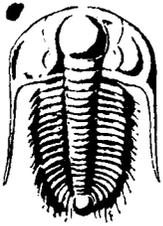
Laboratory Name: Laboratory Location:

Recovery Comments: API= 29 @ 60 deg corrected to 30
3900 ML oil 100 ML gas @ 450 PSI

Pressure vs. Time



6 Tue Apr 2004



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV
6321

No 18289

Test Ticket

Well Name & No. HJV Brown M #1 Test No. 1 Date 7-06-04
 Company Anadarko Petroleum Corp. Zone Tested Morrow
 Address 1201 LAKE Robbins DR The Woodlands TX 77380 Elevation 2967' KB 2957' GL
 Co. Rep / Geo. Kenny Parks Cont. Murkin Rig #25 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 15 Twp. 25 Rge. 34 Co. Finney State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4833'-4853'-5201' Initial Str Wt./Lbs. 74000 Unseated Str Wt./Lbs. 79000
 Anchor Length 20' A 348' TP Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 92000
 Top Packer Depth 4828' Tool Weight 1800
 Bottom Packer Depth 4853' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 5201' Wt. Pipe Run N/A Drill Collar Run 599'
 Mud Wt. 9.1 LCM 6 Vis. 49 WL 8.8 Drill Pipe Size 4.5X-H Ft. Run 4208'
 Blow Description Opened tool & lost packer seat. Tried 2 more times to set with no success.

(Packer Failure)

Recovery - Total Feet 558' GIP _____ Ft. in DC _____ Ft. in DP _____
 Rec. 558' 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 _____ °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 1250 ppm System

	AK-1	Alpine	PSI	Recorder No.		Test
(A) Initial Hydrostatic Mud		<u>2401</u>		<u>6667</u>		✓ <u>Straddle 700</u>
(B) First Initial Flow Pressure				<u>4835'</u>		Elec. Rec. ✓ <u>150</u>
(C) First Final Flow Pressure				<u>13255</u>		Jars ✓ <u>200</u>
(D) Initial Shut-In Pressure				<u>4845'</u>		Safety Jt. ✓ <u>50</u>
(E) Second Initial Flow Pressure				<u>11019</u>		Circ Sub _____
(F) Second Final Flow Pressure				<u>5166'</u>		Sampler ✓ <u>200</u>
(G) Final Shut-In Pressure						Straddle ✓ <u>250</u>
(Q) Final Hydrostatic Mud		<u>2413</u>				Ext. Packer _____
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.						
Final Flow _____ Final Shut-In _____ T-On Location <u>0700</u> T-Started <u>0130</u> T-Open <u>0855</u> T-Pulled <u>0430</u> T-Out _____						
Approved By <u>Kenny Parks</u> Our Representative <u>Blake J. Wallace</u>						
Mileage <u>127.5</u> Sub Total: <u>\$1975.00</u> Std. By <u>1827.50</u> Other _____ Total: <u>\$1775.00</u>						

CHART PAGE

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

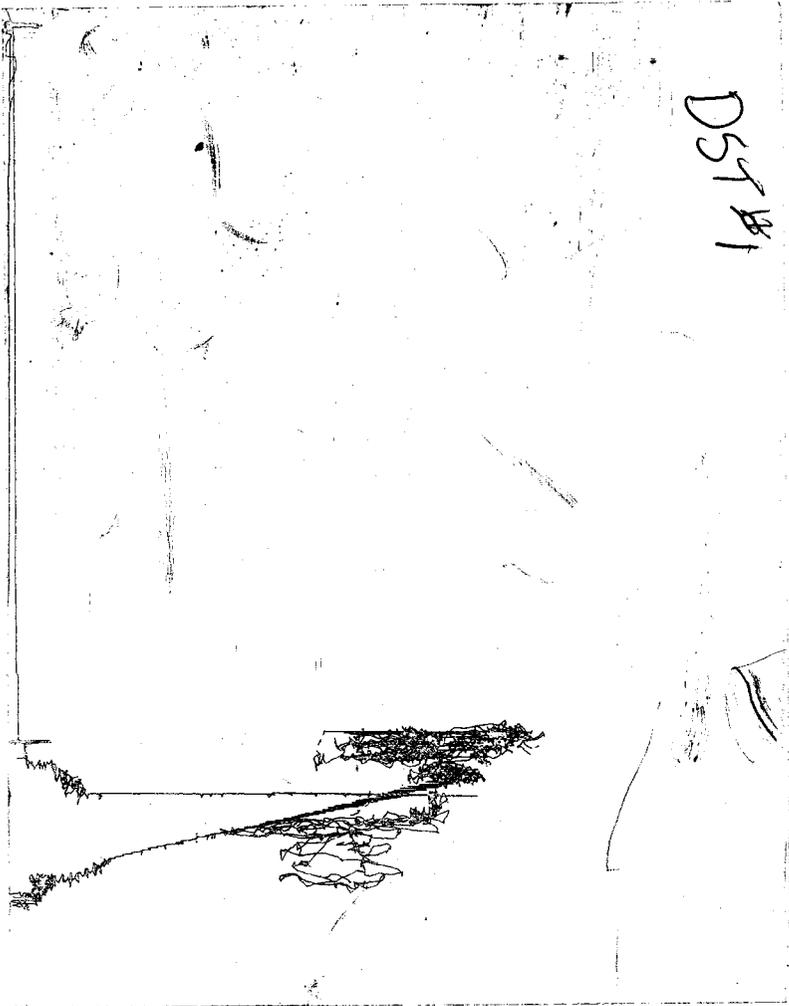
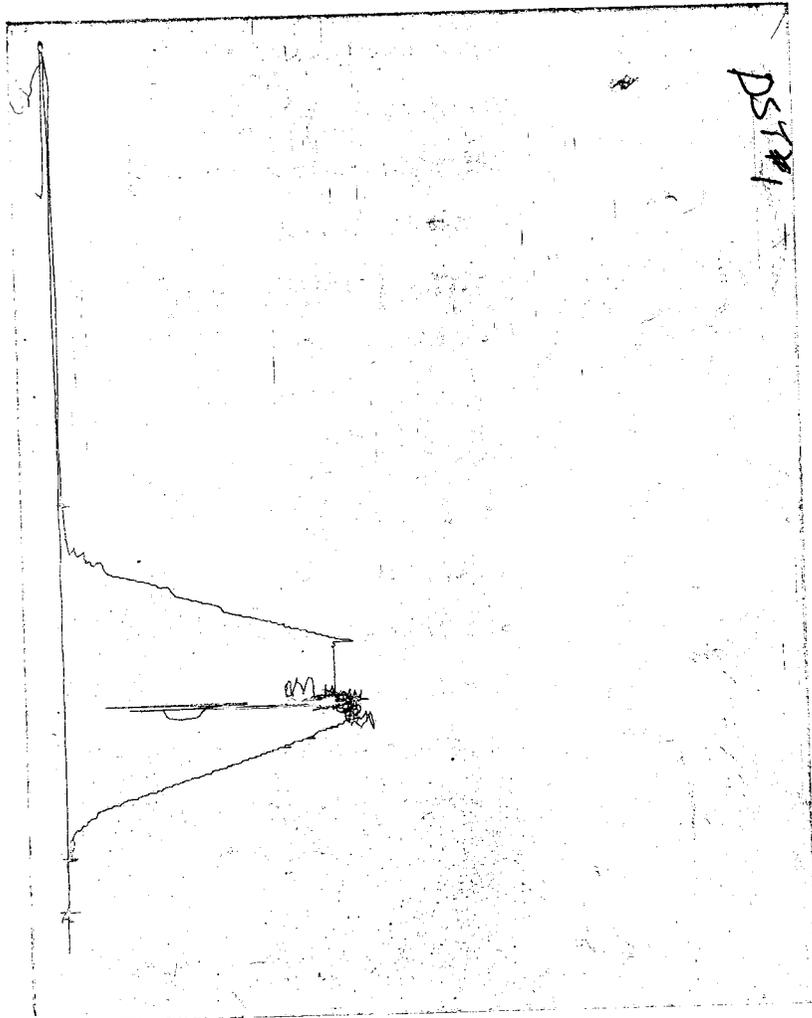
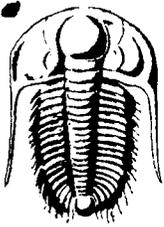


CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 18290

05/03

Test Ticket

Well Name & No. HJV Brown m#1 Test No. 2 Date 7-6-04
 Company Anadarko Petroleum Corp. Zone Tested Morrow
 Address 1201 LAKE ROBBINS DR: THE WOODLANDS TX 77380 Elevation 2967' KB 2957' GL
 Co. Rep / Geo. Kenny Parks Cont. Murfin Rig #25 Est. Ft. of Pay 6' Por. 18 %
 Location: Sec. 15 Twp. 25 Rge. 34 Co. ZINNEY State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4813'-4848'-5201' Initial Str Wt./Lbs. 74000 Unseated Str Wt./Lbs. 79000
 Anchor Length 35' A 353' TP Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 79000
 Top Packer Depth 4808' Tool Weight 1800
 Bottom Packer Depth 4818' Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 5201' Wt. Pipe Run N/A Drill Collar Run 599
 Mud Wt. 9.1 LCM 6 Vis. 49 WL 8.8 Drill Pipe Size 4.5xH Ft. Run _____
 Blow Description OPENED TOOL & LOST PACKER SEAT. TRIED ONE MORE WITH SAME RESULTS

(PACKER FAILURE)

Recovery - Total Feet 372' GIP _____ Ft. in DC _____ Ft. in DP _____
 Rec. 372' 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 _____ °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides _____ ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	2434	PSI	Recorder No.	66607	Test	<input checked="" type="checkbox"/> STRADDLE 700
(B) First Initial Flow Pressure				PSI	(depth)	4815'	Elec. Rec.	<input checked="" type="checkbox"/> 150
(C) First Final Flow Pressure				PSI	Recorder No.	13255	Jars	<input checked="" type="checkbox"/> 200
(D) Initial Shut-In Pressure				PSI	(depth)	4814'	Safety Jt.	<input checked="" type="checkbox"/> 50
(E) Second Initial Flow Pressure				PSI	Recorder No.	11019	Circ Sub	
(F) Second Final Flow Pressure				PSI	(depth)	5166'	Sampler	<input checked="" type="checkbox"/> 200
(G) Final Shut-In Pressure				PSI	Initial Opening		Straddle	<input checked="" type="checkbox"/> 250
(Q) Final Hydrostatic Mud			2456	PSI	Initial Shut-In		Ext. Packer	
					Final Flow		Shale Packer	<input checked="" type="checkbox"/> 1 150
					Final Shut-In		Mileage	
					T-On Location		Sub Total:	\$1700.00
					T-Started	0740	Std. By	\$1700
					T-Open	1000	Other	
					T-Pulled	1030	Total:	\$1700.00
					T-Out	1230		

Approved By Kenny Parks
 Our Representative Blake L. Walker

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CHART PAGE

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

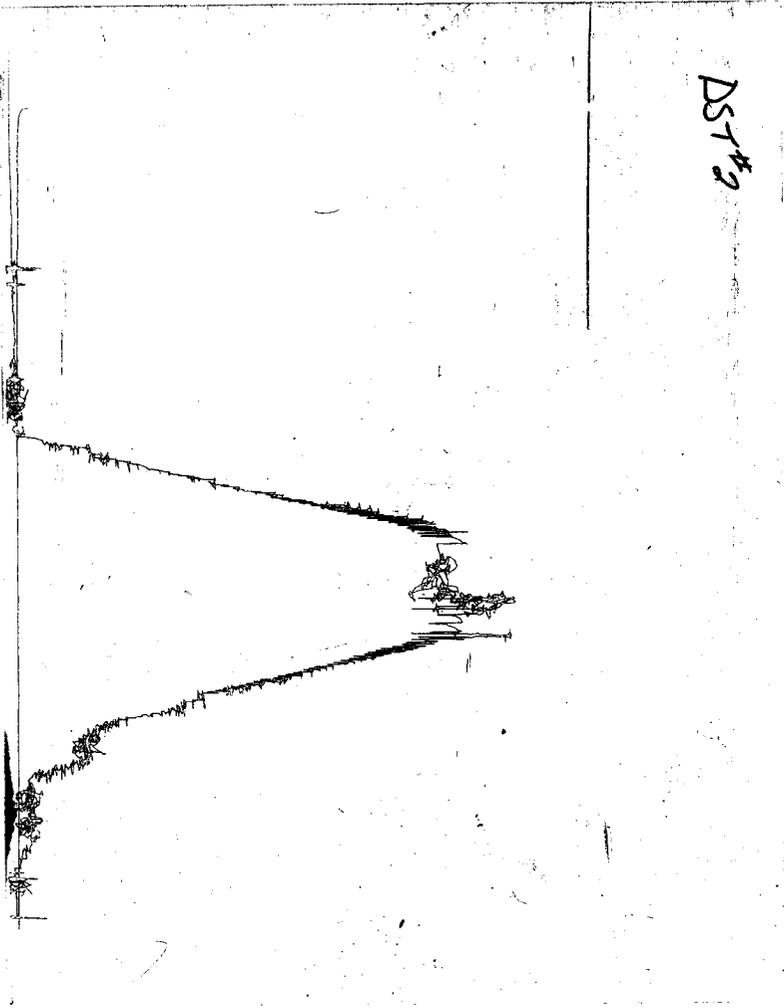
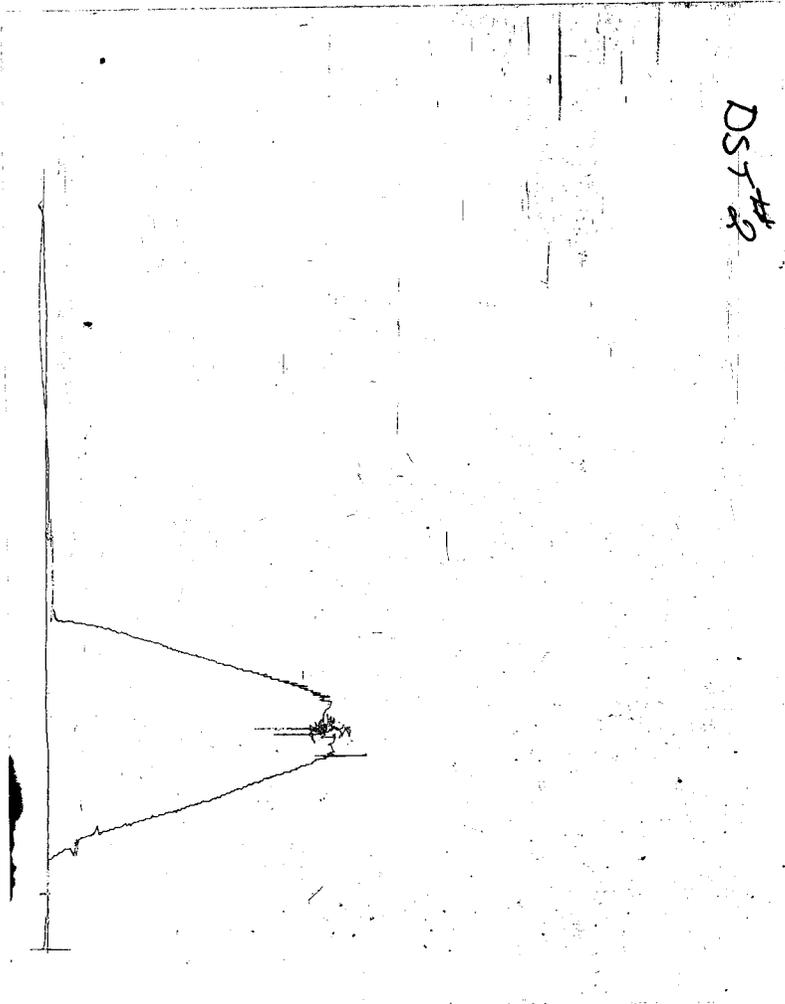
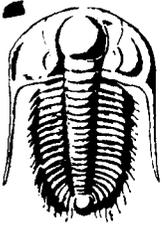


CHART PAGE

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DS 7th 8





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

Nº 18291

05/03

Test Ticket

Well Name & No. HJV Brown M[#]1 Test No. 3 Date 4-6-04
 Company Anadarko Petroleum Corp Zone Tested Morrow
 Address 1201 LAKE Robbins DR The Woodlands TX 77380 Elevation 2967' KB 2957' GL
 Co. Rep / Geo. Kenny Paeks Cont. Mortino Rig[#] 25 Est. Ft. of Pay 6' Por. 18 %
 Location: Sec. 15 Twp. 25 Rge. 34 Co. Finney State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4835'-4850'-5201' Initial Str Wt./Lbs. 78000 Unseated Str Wt./Lbs. 82000
 Anchor Length 15' A 351' TP Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 86000
 Top Packer Depth 4830' Tool Weight 1800
 Bottom Packer Depth 4850' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 5201' Wt. Pipe Run N/A Drill Collar Run 599'
 Mud Wt. 9.1 LCM 6 Vis. 49 WL 8.8 Drill Pipe Size 4.5xH Ft. Run 4224'
 Blow Description IF Strong blow BOB 6 min

ISI - No blow back
IF Strong blow BOB 8 min
ISI - No blow back

Recovery - Total Feet 100' GIP 1202' Ft. in DC _____ Ft. in DP _____
 Rec. 100' Feet of BASSY, oil 20% gas 80% oil _____ %water _____ %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 121 °F Gravity 29 °API D @ 60 °F Corrected Gravity 30 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 1250 ppm System

	AK-1	Alpine	PSI	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>2449</u>		<u>6667</u>	<u>✓ Straddle 90</u>
(B) First Initial Flow Pressure		<u>20</u>		<u>4837'</u>	<u>✓ Elec. Rec.</u>
(C) First Final Flow Pressure		<u>46</u>		<u>13955</u>	<u>✓ Jars</u>
(D) Initial Shut-In Pressure		<u>619</u>		<u>4846'</u>	<u>✓ Safety Jt.</u>
(E) Second Initial Flow Pressure		<u>43</u>		<u>5166' 1109</u>	<u>_____ Circ Sub</u>
(F) Second Final Flow Pressure		<u>78</u>		<u>5166'</u>	<u>✓ Sampler</u>
(G) Final Shut-In Pressure		<u>519</u>		<u>30</u>	<u>✓ Straddle</u>
(Q) Final Hydrostatic Mud		<u>2290</u>		<u>60</u>	<u>_____ Ext. Packer</u>

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Approved By Kenny Paeks
 Our Representative Alan Wallace

Initial Opening	<u>30</u>
Initial Shut-In	<u>60</u>
Final Flow	<u>60</u>
Final Shut-In	<u>120</u>
T-On Location	
T-Started	<u>1300</u>
T-Open	<u>1510</u>
T-Pulled	<u>1940</u>
T-Out	<u>2230</u>
Mileage	<u>1900.00</u>
Sub Total:	<u>1900.00</u>
Std. By	<u>1900</u>
Other	<u>_____</u>
Total:	<u>1900.00</u>



TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 18291 Date 4-6-04
 Company Name Anadarko Petroleum Corp
 Lease H5V Brown m#1 Test No. DST#3
 County Finney Sec. 15 Twp. 25 Rng. 34

SAMPLER RECOVERY

Gas 100 ML
 Oil 3900 ML
 Mud _____ ML
 Water _____ ML
 Other 4.3 cubic ft gas ML
 Pressure 450 PSI ML
 Total _____ ML

PIT MUD ANALYSIS

Chlorides 1250 ppm.
 Resistivity _____ ohms @ _____ F
 Viscosity 49
 Mud Weight 9.1
 Filtrate 8.8
 Other 6# LCM

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 Gravity 29 corrected @60F

PIPE RECOVERY

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

CHART PAGE

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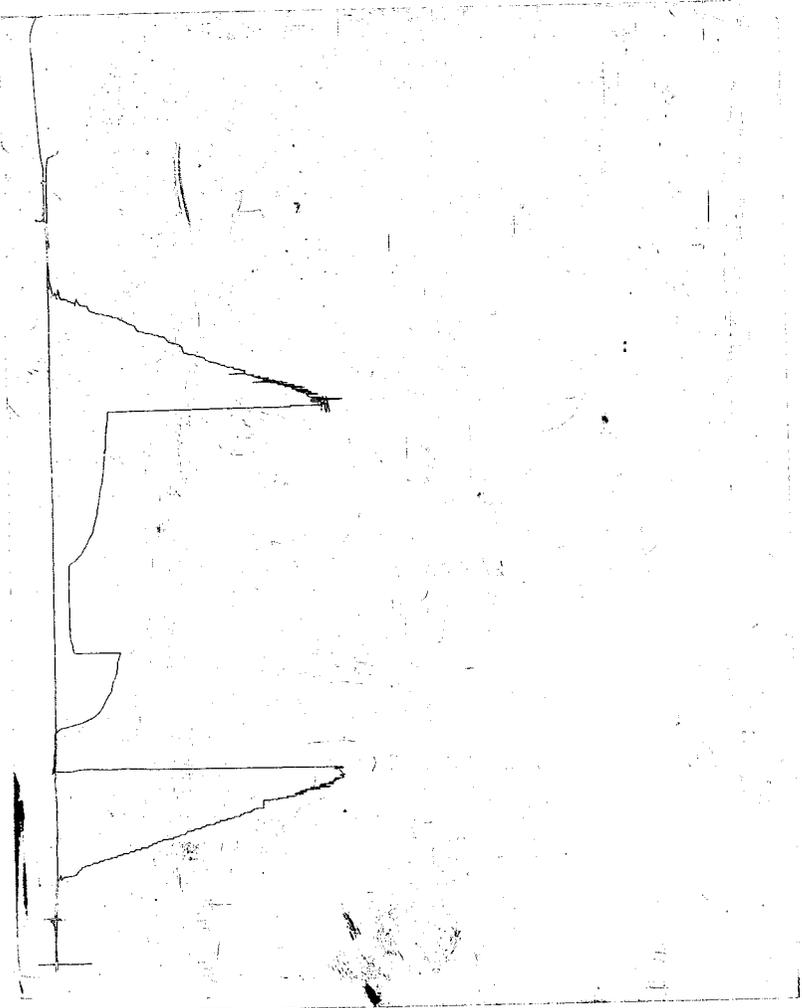


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