

# Ricketts Testing, Inc.

11-20s-20w

15-145-21535-00-00

by PALOMINO PETROLEUM, INC. Lease & Well No. HEART BAR #1  
 on 2203 K.B. Formation Ticket No. 2555  
3-5-06 Sec. 11 Twp. 20S Range 20W County PAWNEE State KS  
 proved by BOB SCHREIBER Ricketts Representative JACK BASGALL

ion Test No. 1 Interval Tested from 2254 ft. to 2295 ft. Total Depth 2295 ft.  
 Depth 2254 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Depth 2249 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Recorder Depth (Inside) 2259 ft. Recorder Number W1022 Cap. 10000  
 Recorder Depth (Outside) 2262 ft. Recorder Number 13564 Cap. 4475  
 Saddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_

Contractor SHIELDS DRILLING RIG #1 Drill Collar Length 123 I.D. 2.25 in.  
 Chemical CHEMICAL Viscosity 34 Weight Pipe Length 378 I.D. 2.25 in.  
9.6 Water Loss \_\_\_\_\_ cc. Drill Pipe Length 1730 I.D. 3.25 in.  
48,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.  
 Serial Number \_\_\_\_\_ Anchor Length 44 ft. Size 5 1/2 in.  
 Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
 Oil \_\_\_\_\_ Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

STRONG BLOW BUILDING TO BOTTOM OF BUCKET IN 5 MINUTES INITIAL FLOW PERIOD. STRONG BLOW  
ROUGHOUT FINAL FLOW PERIOD.

red 100 ft. of MUD.  
 red \_\_\_\_\_ ft. of \_\_\_\_\_  
 red \_\_\_\_\_ ft. of \_\_\_\_\_  
 red \_\_\_\_\_ ft. of \_\_\_\_\_  
 red \_\_\_\_\_ ft. of \_\_\_\_\_  
 red \_\_\_\_\_ ft. of \_\_\_\_\_

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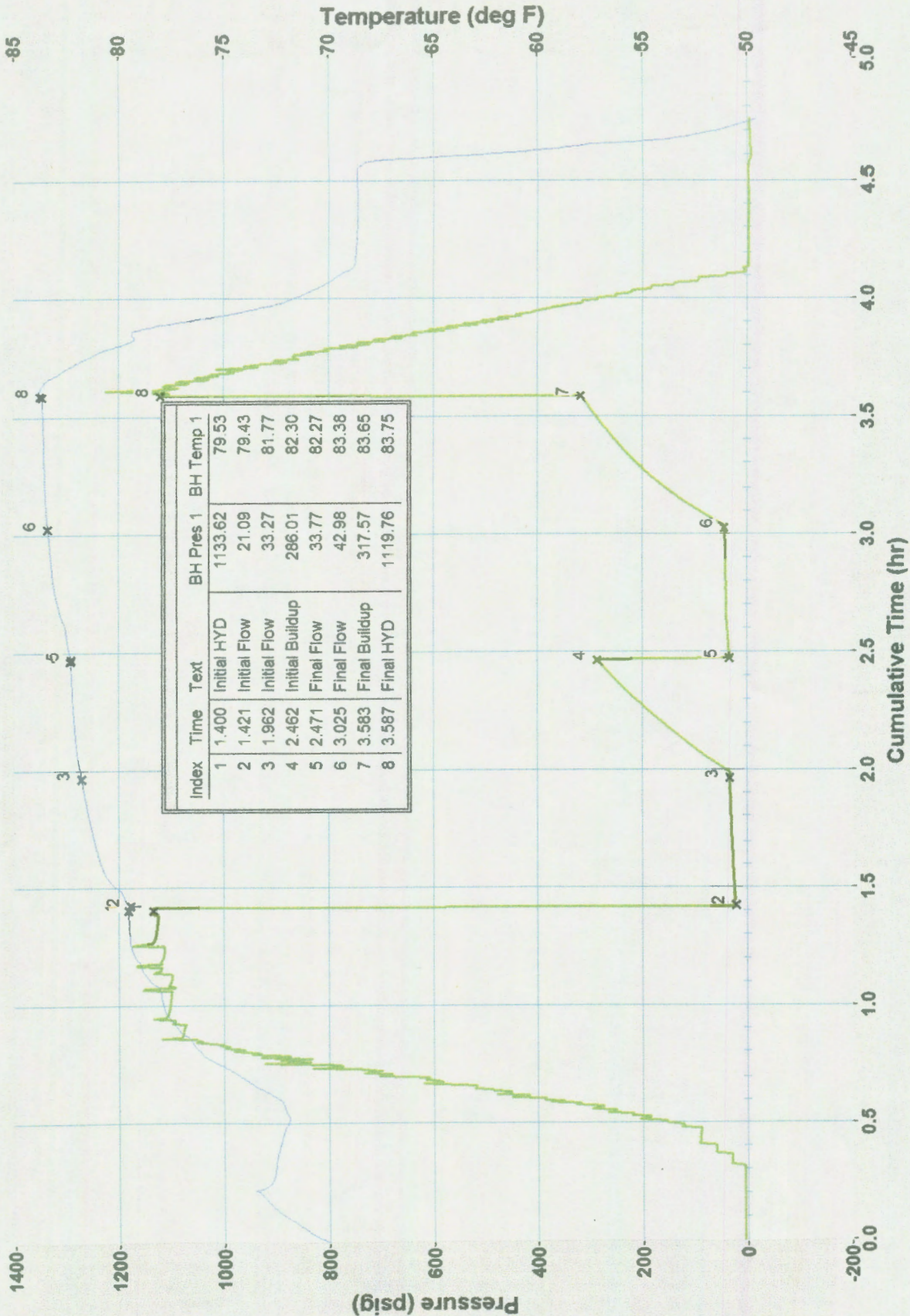
Set Packer (s)	<u>5:26</u>	P. M.	Time Started Off Bottom	<u>7:30</u>	P. M.	Maximum Temperature	<u>83°</u>
Hydrostatic Pressure	(A)	<u>1133</u>				P.S.I.	
Flow Period	Minutes	<u>35</u>	(B)	<u>21</u>		P.S.I.	to
			(C)	<u>33</u>		P.S.I.	
Closed In Period	Minutes	<u>30</u>	(D)	<u>286</u>		P.S.I.	
Flow Period	Minutes	<u>30</u>	(E)	<u>33</u>		P.S.I.	to
			(F)	<u>42</u>		P.S.I.	
Closed In Period	Minutes	<u>30</u>	(G)	<u>317</u>		P.S.I.	
Hydrostatic Pressure	(H)	<u>1119</u>				P.S.I.	

11-20s-20w



Company Name Palomino Petroleum Inc  
 Well Name Heart Bar  
 Type of Test DST #1 2254 to 2295  
 Date(s) of Test 3-5-2008

# Heart Bar #1 DST #1



# Ricketts Testing, Inc.



by PALOMINO PETROLEUM, INC. Lease & Well No. HEART BAR #1  
 on 2203 K.B. Formation WINFIELD Ticket No. 2556  
1-6-06 Sec. 11 Twp. 20S Range 20W County PAWNEE State KS  
 proved by BOB SCHREIBER Ricketts Representative JACK BASGALL

on Test No. 2 Interval Tested from 2287 ft. to 2347 ft. Total Depth 2347 ft.  
 Depth 2287 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Depth 2282 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

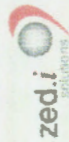
Recorder Depth (Inside) 2292 ft. Recorder Number W1022 Cap. 10000  
 Recorder Depth (Outside) 2295 ft. Recorder Number 13564 Cap. 4475  
 Saddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_

Contractor SHIELDS DRILLING RIG #1 Drill Collar Length 123 I.D. 2.25 in.  
 Weight Pipe Length 378 I.D. 2.25 in.  
 Drilling Fluid: CHEMICAL Viscosity 34 Water Loss \_\_\_\_\_ cc. Drill Pipe Length 1766 I.D. 3.25 in.  
9.6 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.  
 Anchor Length 60 ft. Size 5 1/2 in.  
 Oil Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

STRONG BLOW TO BOTTOM OF BUCKET IN 3 MINUTES INITIAL FLOW PERIOD. STRONG BLOW THROUGHOUT  
 INITIAL FLOW PERIOD. GAS TO SURFACE IN 20 MINUTES FINAL FLOW PERIOD. GAS PRESSURE BUILT TO  
1,800 CFPD IN 60 MINUTES.

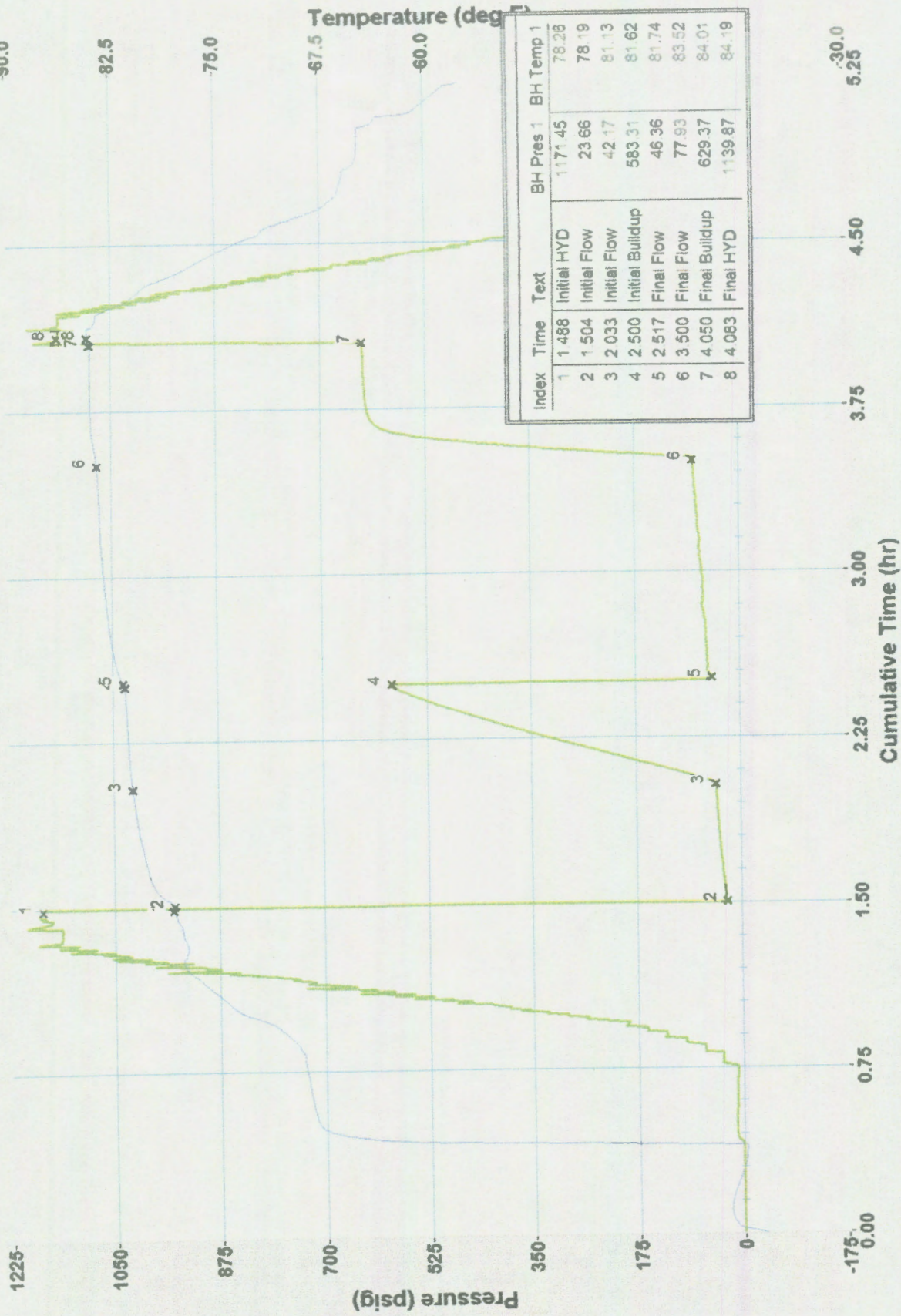
Mud: 155 ft. of MUD.  
 \_\_\_\_\_ ft. of \_\_\_\_\_  
 \_\_\_\_\_ ft. of \_\_\_\_\_  
 \_\_\_\_\_ ft. of \_\_\_\_\_  
 \_\_\_\_\_ ft. of \_\_\_\_\_  
 \_\_\_\_\_ ft. of \_\_\_\_\_  
 \_\_\_\_\_ ft. of \_\_\_\_\_

Set Packer (s)	<u>4:39</u>	A M.	Time Started Off Bottom	<u>7:09</u>	A M.	Maximum Temperature	<u>84°</u>
Hydrostatic Pressure	(A)	<u>1171</u>				P.S.I.	
Flow Period	Minutes	<u>30</u>	(B)	<u>23</u>		P.S.I.	to
			(C)	<u>42</u>		P.S.I.	
Closed In Period	Minutes	<u>30</u>	(D)	<u>583</u>		P.S.I.	
Flow Period	Minutes	<u>60</u>	(E)	<u>46</u>		P.S.I.	to
			(F)	<u>77</u>		P.S.I.	
Closed In Period	Minutes	<u>30</u>	(G)	<u>629</u>		P.S.I.	
			(H)	<u>1139</u>		P.S.I.	



Company Name Palomino Petroleum Inc  
Well Name Heart Bar #1  
Type of Test DST #2 2287 to 2347  
Date(s) of Test 3-6-2006

# Heart Bar #1 DST #2



# Ricketts Testing, Inc.



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Company PALOMINO PETROLEUM, INC. Lease & Well No. HEART BAR #1  
 Location 2198 G.L. Formation TORONTO Ticket No. 2524  
3-6-06 Sec. 11 Twp. 20S Range 20W County PAWNEE State KS

Approved by BOB SCHREIBER Ricketts Representative JIMMY RICKETTS

Interval Test No. 3 Interval Tested from 2334 ft. to 2403 ft. Total Depth 2403 ft.  
 Packer Depth 2334 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Packer Depth 2329 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Recorder Depth (Inside) _____ ft.	Recorder Number <u>11027</u> Cap. <u>4275</u>
Surface Recorder Depth (Outside) _____ ft.	Recorder Number <u>W1023</u> Cap. <u>10000</u>
Straddle Recorder Depth _____ ft.	Recorder Number _____ Cap. _____

Log Contractor <u>SHIELDS DRILLING RIG #1</u>	Drill Collar Length <u>121</u> I.D. <u>2.25</u> in.
Type <u>CHEMICAL</u> Viscosity <u>37</u>	Weight Pipe Length <u>377</u> I.D. <u>2.25</u> in.
Rate <u>9.6</u> Water Loss _____ cc.	Drill Pipe Length <u>1816</u> I.D. <u>3.25</u> in.
Pressure <u>42,000</u> P.P.M.	Test Tool Length <u>20</u> ft. Tool Size. <u>5 1/2</u> in.
Make _____ Serial Number _____	Anchor Length <u>69</u> ft. Size <u>5 1/2</u> in.
Well Flow? <u>NO</u> Reversed Out <u>NO</u>	Surface Choke Size <u>3/4</u> in. Bottom Choke Size <u>3/4</u> in.
Produce Oil _____	Main Hole Size <u>7 7/8</u> in. Tool Joint Size <u>4 1/2 FH</u> in.

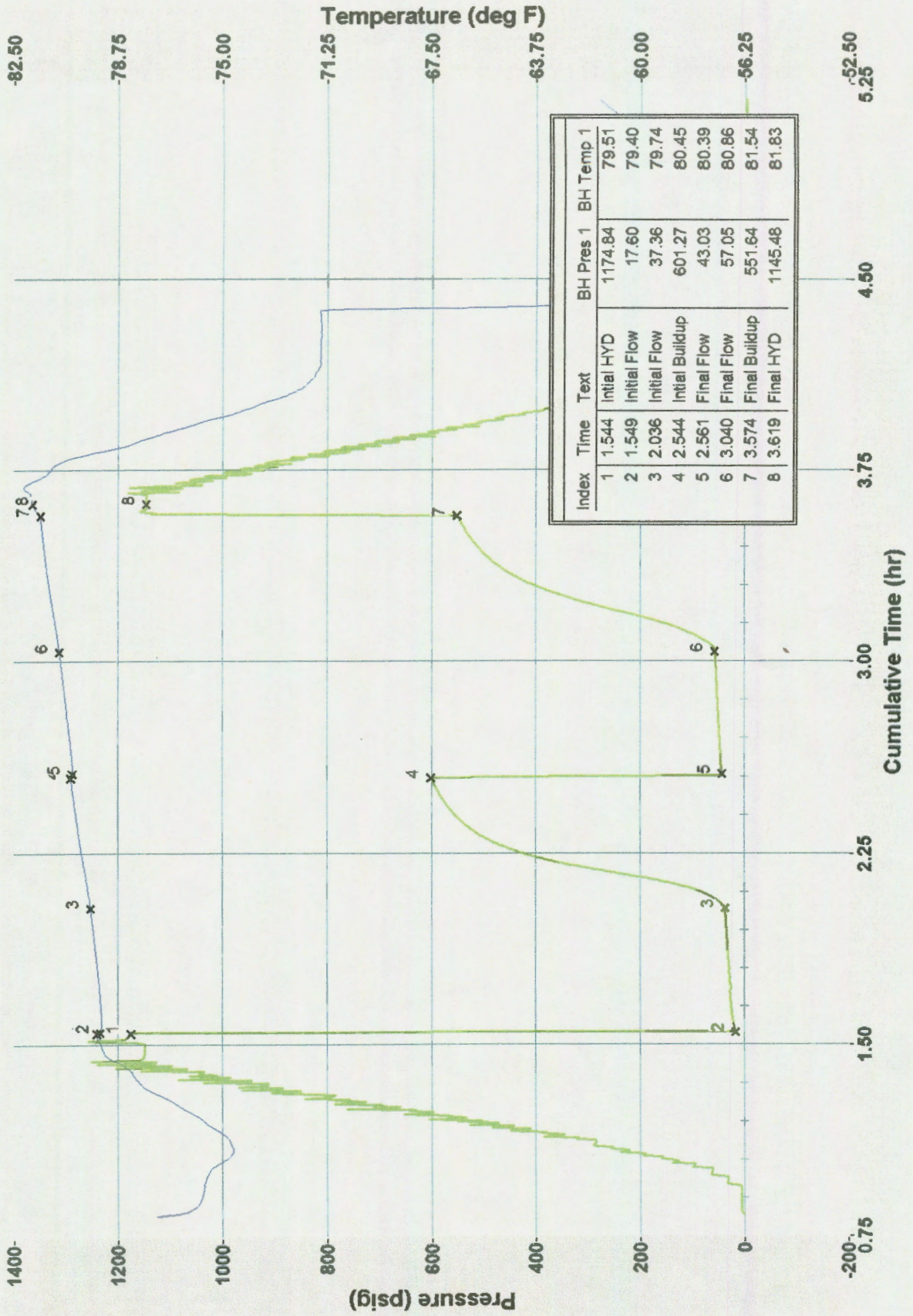
WEAK BLOW BUILDING TO 4" INITIAL FLOW PERIOD. WEAK BLOW BUILDING TO 3" FINAL FLOW PERIOD.

Recorded \_\_\_\_\_ ft. of DRILLING MUD.  
 \_\_\_\_\_ ft. of \_\_\_\_\_  
 \_\_\_\_\_ ft. of \_\_\_\_\_  
 \_\_\_\_\_ ft. of \_\_\_\_\_  
 \_\_\_\_\_ ft. of \_\_\_\_\_  
 \_\_\_\_\_ ft. of \_\_\_\_\_  
 \_\_\_\_\_ ft. of \_\_\_\_\_

Set Packer (s) <u>3:54</u> P.M.	Time Started Off Bottom <u>5:54</u> P.M.	Maximum Temperature <u>81°</u>
Hydrostatic Pressure .....(A) _____	<u>1174</u>	P.S.I.
Flow Period .....Minutes _____	(B) <u>17</u>	P.S.I. to
	(C) <u>37</u>	P.S.I.
Closed In Period .....Minutes _____	(D) <u>601</u>	P.S.I.
Flow Period .....Minutes _____	(E) <u>43</u>	P.S.I. to
	(F) <u>57</u>	P.S.I.
Closed In Period .....Minutes _____	(G) <u>551</u>	P.S.I.
Hydrostatic Pressure .....(H) _____	<u>1145</u>	P.S.I.

Company Name Palomino Petroleum, Inc.  
 Well Name Heart Bar #1  
 Type of Test DST #3 2334 to 2403  
 Date(s) of Test 3-6-2006

# Heart Bar #1 DST #3





# Ricketts Testing, Inc.

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Company PALOMINO PETROLEUM, INC. Lease & Well No. HEART BAR #1  
Location 2203 K.B. Formation Ticket No. 2557  
3-9-06 Sec. 11 Twp. 20S Range 20W County PAWNEE State KS  
Approved by BOB SCHREIBER Ricketts Representative JACK BASGALL

Production Test No. 4 Interval Tested from 3699 ft. to 3717 ft. Total Depth 3717 ft.  
Packer Depth 3699 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Packer Depth 3694 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Recorder Depth (Inside) 3704 ft. Recorder Number W1022 Cap. 10000  
Recorder Depth (Outside) 3707 ft. Recorder Number 13564 Cap. 4475  
Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_

Drilling Contractor SHIELDS DRILLING RIG #1 Drill Collar Length \_\_\_\_\_ I.D. \_\_\_\_\_ in.  
Type CHEMICAL Viscosity 53 Weight Pipe Length 378 I.D. 2.25 in.  
Height 9.3 Water Loss 8.0 cc. Drill Pipe Length 3301 I.D. 3.25 in.  
Rides 3,500 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.  
Make \_\_\_\_\_ Serial Number \_\_\_\_\_ Anchor Length 18 ft. Size 5 1/2 in.  
Well Flow? NO Reversed Out YES Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
Type Oil \_\_\_\_\_ Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

STRONG BLOW BUILDING TO BOTTOM OF BUCKET IN 4 MINUTES INITIAL FLOW PERIOD. BLOW BACK INITIAL SHUT-IN. STRONG BLOW BUILDING TO BOTTOM OF BUCKET IN 5 MINUTES FINAL FLOW PERIOD. BLOW BACK FINAL SHUT-IN.

Overed 120 ft. of GAS IN PIPE.  
Overed 1300 ft. of SALT WATER.  
Overed \_\_\_\_\_ ft. of \_\_\_\_\_  
Overed \_\_\_\_\_ ft. of \_\_\_\_\_  
Overed \_\_\_\_\_ ft. of \_\_\_\_\_

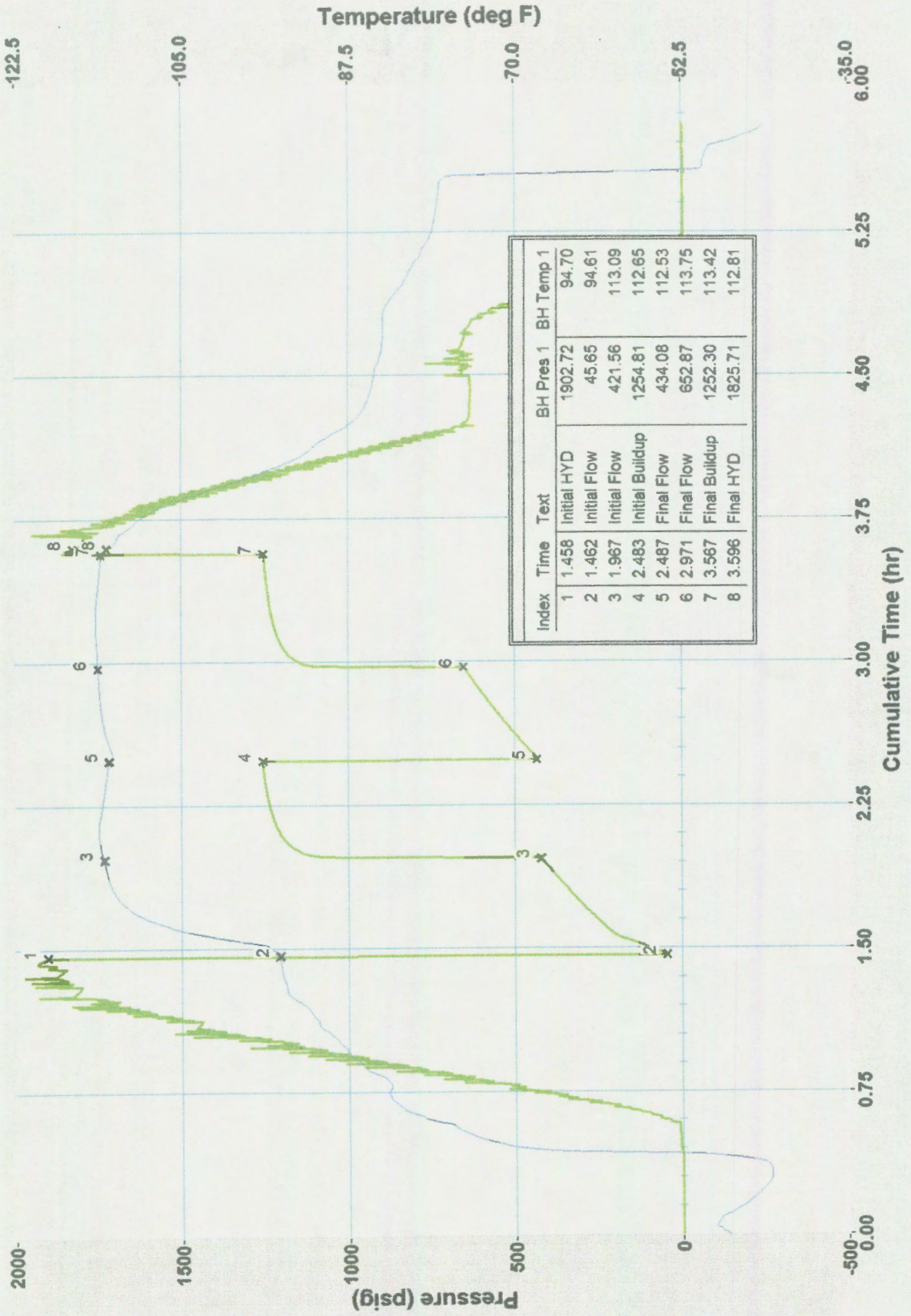
Remarks: \_\_\_\_\_

Time Set Packer (s) 10:44 P. M. Time Started Off Bottom 12:44 A. M. Maximum Temperature 113°  
Initial Hydrostatic Pressure .....(A) 1902 P.S.I.  
Initial Flow Period .....Minutes 30 (B) 45 P.S.I. to  
(C) 421 P.S.I.  
Initial Closed In Period .....Minutes 30 (D) 1254 P.S.I.  
Initial Flow Period .....Minutes 30 (E) 434 P.S.I. to  
(F) 652 P.S.I.  
Initial Closed In Period .....Minutes 30 (G) 1252 P.S.I.  
Initial Hydrostatic Pressure .....(H) 1825 P.S.I.



Company Name Palomino Petroleum, Inc.  
Well Name Heart Bar #1  
Type of Test DST #4 3698 to 3717  
Date(s) of Test 3-9-2006

# Heart Bar #1 DST #4





# Ricketts Testing, Inc.

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MAY 04 2006  
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Company PALOMINO PETROLEUM, INC. Lease & Well No. HEART BAR #1  
 Location 2203 K.B. Formation CHEROKEE SAND Ticket No. 2558  
 Date 3-12-06 Sec. 11 Twp. 20S Range 20W County PAWNEE State KS  
 Test Approved by BOB SCHREIBER Ricketts Representative JACK BASGALL

Formation Test No. 5 Interval Tested from 4191 ft. to 4219 ft. Total Depth 4219 ft.  
 Packer Depth 4191 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Packer Depth 4186 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Top Recorder Depth (Inside) 4196 ft. Recorder Number W1022 Cap. 10000  
 Bottom Recorder Depth (Outside) 4199 ft. Recorder Number 13564 Cap. 4475  
 Flow Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_

Drilling Contractor SHIELDS DRILLING RIG 31 Drill Collar Length \_\_\_\_\_ I.D. \_\_\_\_\_ in.  
 Mud Type CHEMICAL Viscosity 69 Weight Pipe Length 378 I.D. 2.25 in.  
 Weight 9.8 Water Loss 9.6 cc. Drill Pipe Length 3786 I.D. 3.25 in.  
 Chlorides 5,300 P.P.M. Test Tool Length 27 ft. Tool Size 5 1/2 in.  
 Bars: Make STERLING Serial Number 808 Anchor Length 28 ft. Size 5 1/2 in.  
 Did Well Flow? NO Reversed Out YES Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
 Gravity Oil \_\_\_\_\_ Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Flow: STRONG BLOW BUILDING TO BOTTOM OF BUCKET IN 3 MINUTES INITIAL FLOW PERIOD. 1 1/2" BLOW BACK INITIAL SHUT-IN. STRONG BLOW BUILDING TO BOTTOM OF BUCKET IN 2 MINUTES FINAL FLOW PERIOD.

Recovered 20 ft. of HEAVY OIL CUT MUD. 10% OIL  
 Recovered 1124 ft. of SLIGHTLY OIL CUT WATER. 1% OIL  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Remarks: DST FLUID CHLORIDES 21,000 PPM

Time Set Packer (s) 8:50 A.M. Time Started Off Bottom 10:17 A.M. Maximum Temperature 123°  
 Initial Hydrostatic Pressure .....(A) 2193 P.S.I.  
 Initial Flow Period .....Minutes 15 (B) 171 P.S.I. to  
 (C) 409 P.S.I.  
 Initial Closed In Period .....Minutes 30 (D) 1000 P.S.I.  
 Final Flow Period .....Minutes 10 (E) 453 P.S.I. to  
 (F) 553 P.S.I.  
 Final Closed In Period .....Minutes 30 (G) 999 P.S.I.  
 Final Hydrostatic Pressure .....(H) 2121 P.S.I.

Company Name  
Heart Bar #1  
DST #5 4191 to 4219  
Date(s) of Test  
3-12-2006

Palomino Petroleum, Inc  
Heart Bar #1  
DST #5 4191 to 4219  
Date(s) of Test  
3-12-2006



# Heart Bar #1 DST #5

