

# Ricketts Testing, Inc.

17-16s-12w



2010 FSL 940 FWL  
EZ NW SW

15-009-24901-00-00

Company RICHLAN DRILLING Lease & Well No. SCHREIBER #2  
 Elevation 1892 K.B. Formation KANSAS CITY Ticket No. 2425  
 Date 2-4-06 Sec. 17 Twp. 16S Range 12W County BARTON State KS  
 Test Approved by BOB SCHREIBER Ricketts Representative JACK BASGALL

Formation Test No. 1 Interval Tested from 3092 ft. to 3197 ft. Total Depth 3197 ft.  
 Packer Depth 3092 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Packer Depth 3089 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Top Recorder Depth (Inside) \_\_\_\_\_ ft. Recorder Number W1022 Cap. 10000  
 Bottom Recorder Depth (Outside) \_\_\_\_\_ ft. Recorder Number 13564 Cap. 4475  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_

Drilling Contractor SHIELDS DRILLING RIG #1 Drill Collar Length \_\_\_\_\_ I.D. \_\_\_\_\_ in.  
 Mud Type CHEMICAL Viscosity 46 Weight Pipe Length 378 I.D. 2.25 in.  
 Weight 9.1 Water Loss 8.8 cc. Drill Pipe Length 2694 I.D. 3.25 in.  
 Chlorides 7,500 P.P.M. Test Tool Length 20 ft. Tool Size. 5 1/2 in.  
 Jars: Make \_\_\_\_\_ Serial Number \_\_\_\_\_ Anchor Length 105 ft. Size 5 1/2 in.  
 Did Well Flow? NO Reversed Out NO 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.

Blow: WEAK SURFACE BLOW INITIAL FLOW PERIOD. DIED IN 28 MINUTES. NO BLOW FINAL FLOW PERIOD.

Recovered 20 ft. of MUD.  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

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

Time Set Packer (s) 4:06 P.M. Time Started Off Bottom 5:36 P.M. Maximum Temperature 93°  
 Initial Hydrostatic Pressure.....(A) 1521 P.S.I.  
 Initial Flow Period .....Minutes 30 (B) 15 P.S.I. to  
 (C) 23 P.S.I.  
 Initial Closed In Period .....Minutes 30 (D) 563 P.S.I.  
 Final Flow Period.....Minutes 15 (E) 26 P.S.I. to  
 (F) 29 P.S.I.  
 Final Closed In Period.....Minutes 15 (G) 162 P.S.I.  
 Final Hydrostatic Pressure.....(H) 1479 P.S.I.

17-16s-12w

# Pressure Test Report

## COMPANY INFORMATION

Company Name Richlan Drilling  
Representative Bob Schreiber  
Phone  
Fax  
Address

E-Mail Address  
Service Company

## WELL INFORMATION

Well Name Schreiber #2  
Well Location 17 - 16s - 12w E2/ NW/4 SW/4  
Field and Pool  
Status (Oil, Gas, Water, Injection) oil and gas  
Perforated Intervals  
Mid-point of Perforated Intervals (MPP)  
Drilling Rig Number Shields #1  
Elevations  
    Kelly Bushing (KB) 1892 KB  
    Casing Flange (CF)  
    KB-CF  
    Ground Level 1887  
Plug Back Total Depth  
Total Depth 3197  
Production Casing  
Production Tubing

## TEST INFORMATION

Type of Test DST #1 3092 to 3197  
Date(s) of Test 2-4-06  
Dead-weight Gauge Tubing Pressure  
Dead-weight Gauge Casing Pressure  
Shut-in Date (Duration) 2-4-06  
Date / Time on Bottom 2-4-06 4:06 pm  
Date / Time off Bottom 2-4-06 5:36 pm

Probe Serial Number  
Probe Offset from End of Tool String  
Run Depth at Probe Pressure Port 3097

## PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure 1526.1 psig  
Maximum Recorded Probe Temperature 94.3 deg F  
Final Buildup Pressure  
Gradient Survey Information  
    Extrapolated Pressure to MPP  
    Final Gradient at Depth  
Job Number



Company Name Richlan Drilling  
Well Name Schreiber #2  
Type of Test DST #1 3092 to 3197  
Date(s) of Test 2-4-06



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## COMMENTS

Reported By

Jack Basgall

Weak surface blow, died in 28 minutes initial flow period. No blow final flow period. Recovery - 20 foot of mud.



Company Name Richlan Drilling  
 Well Name Schreiber #2  
 Type of Test DST #1 3092 to 3197  
 Date(s) of Test 2-4-06



| Date         | Time     | Cum.Time<br>BH1 | BH Pres 1 | BH Temp<br>1 |
|--------------|----------|-----------------|-----------|--------------|
|              |          | hr              | psig      | deg F        |
| 2006/02/04   | 15:33:00 | 0.8319          | 495.862   | 79.266       |
| 2006/02/04   | 15:34:00 | 0.8486          | 602.312   | 79.668       |
| 2006/02/04   | 15:35:00 | 0.8653          | 588.371   | 80.105       |
| 2006/02/04   | 15:36:00 | 0.8819          | 678.792   | 80.641       |
| 2006/02/04   | 15:37:00 | 0.8986          | 678.962   | 80.901       |
| 2006/02/04   | 15:38:00 | 0.9153          | 710.891   | 81.063       |
| 2006/02/04   | 15:39:00 | 0.9319          | 771.961   | 81.334       |
| 2006/02/04   | 15:40:00 | 0.9486          | 876.262   | 81.907       |
| 2006/02/04   | 15:41:00 | 0.9653          | 864.364   | 82.234       |
| 2006/02/04   | 15:42:00 | 0.9819          | 885.443   | 82.494       |
| 2006/02/04   | 15:43:00 | 0.9986          | 956.253   | 82.879       |
| 2006/02/04   | 15:44:15 | 1.0194          | 976.220   | 83.185       |
| 2006/02/04   | 15:45:15 | 1.0361          | 1049.418  | 83.613       |
| 2006/02/04   | 15:46:15 | 1.0528          | 1106.268  | 84.065       |
| 2006/02/04   | 15:47:15 | 1.0694          | 1145.978  | 84.492       |
| 2006/02/04   | 15:48:15 | 1.0861          | 1142.201  | 84.841       |
| 2006/02/04   | 15:49:15 | 1.1028          | 1222.211  | 85.158       |
| 2006/02/04   | 15:50:15 | 1.1194          | 1261.946  | 85.566       |
| 2006/02/04   | 15:51:15 | 1.1361          | 1292.202  | 86.022       |
| 2006/02/04   | 15:52:00 | 1.1486          | 1324.118  | 86.409       |
| 2006/02/04   | 15:53:00 | 1.1653          | 1459.071  | 86.810       |
| 2006/02/04   | 15:54:00 | 1.1819          | 1415.062  | 87.030       |
| 2006/02/04   | 15:55:00 | 1.1986          | 1444.871  | 87.350       |
| 2006/02/04   | 15:56:00 | 1.2153          | 1443.362  | 87.557       |
| 2006/02/04   | 15:57:00 | 1.2319          | 1513.777  | 87.694       |
| 2006/02/04   | 15:58:00 | 1.2486          | 1483.246  | 88.036       |
| 2006/02/04   | 15:59:15 | 1.2694          | 1491.936  | 88.527       |
| 2006/02/04   | 16:00:15 | 1.2861          | 1506.881  | 88.837       |
| 2006/02/04   | 16:01:15 | 1.3028          | 1505.019  | 89.103       |
| 2006/02/04   | 16:02:15 | 1.3194          | 1504.343  | 89.240       |
| 2006/02/04   | 16:03:15 | 1.3361          | 1505.789  | 89.330       |
| 2006/02/04   | 16:04:15 | 1.3528          | 1517.432  | 89.449       |
| Initial HYD  |          |                 |           |              |
| 2006/02/04   | 16:04:45 | 1.3611          | 1521.796  | 89.469       |
| 2006/02/04   | 16:05:15 | 1.3694          | 1521.415  | 89.506       |
| Initial Flow |          |                 |           |              |
| 2006/02/04   | 16:06:15 | 1.3861          | 15.848    | 89.402       |
| 2006/02/04   | 16:07:15 | 1.4028          | 16.781    | 89.584       |
| 2006/02/04   | 16:08:15 | 1.4194          | 17.269    | 89.679       |
| 2006/02/04   | 16:09:15 | 1.4361          | 17.726    | 89.744       |
| 2006/02/04   | 16:10:15 | 1.4528          | 18.289    | 89.791       |
| 2006/02/04   | 16:11:15 | 1.4694          | 18.564    | 89.847       |
| 2006/02/04   | 16:12:15 | 1.4861          | 18.918    | 89.881       |
| 2006/02/04   | 16:13:15 | 1.5028          | 19.418    | 89.931       |
| 2006/02/04   | 16:14:15 | 1.5194          | 19.743    | 89.978       |
| 2006/02/04   | 16:15:00 | 1.5319          | 19.994    | 90.007       |
| 2006/02/04   | 16:16:00 | 1.5486          | 20.311    | 90.052       |
| 2006/02/04   | 16:17:00 | 1.5653          | 20.646    | 90.097       |
| 2006/02/04   | 16:18:00 | 1.5819          | 20.940    | 90.147       |
| 2006/02/04   | 16:19:00 | 1.5986          | 21.139    | 90.192       |



Company Name Richlan Drilling  
 Well Name Schreiber #2  
 Type of Test DST #1 3092 to 3197  
 Date(s) of Test 2-4-06



| Date            | Time     | Cum. Time<br>BH1 | BH Pres 1 | BH Temp<br>1 |
|-----------------|----------|------------------|-----------|--------------|
|                 |          | hr               | psig      | deg F        |
| 2006/02/04      | 16:20:00 | 1.6153           | 21.492    | 90.270       |
| 2006/02/04      | 16:21:00 | 1.6319           | 21.879    | 90.358       |
| 2006/02/04      | 16:22:00 | 1.6486           | 22.329    | 90.511       |
| 2006/02/04      | 16:23:15 | 1.6694           | 22.840    | 90.772       |
| 2006/02/04      | 16:24:15 | 1.6861           | 23.053    | 90.946       |
| 2006/02/04      | 16:25:15 | 1.7028           | 23.213    | 91.090       |
| 2006/02/04      | 16:26:15 | 1.7194           | 23.396    | 91.227       |
| 2006/02/04      | 16:27:15 | 1.7361           | 23.659    | 91.308       |
| 2006/02/04      | 16:28:15 | 1.7528           | 23.698    | 91.350       |
| 2006/02/04      | 16:29:15 | 1.7694           | 23.413    | 91.299       |
| 2006/02/04      | 16:30:15 | 1.7861           | 22.897    | 91.231       |
| 2006/02/04      | 16:31:00 | 1.7986           | 22.537    | 91.170       |
| 2006/02/04      | 16:32:00 | 1.8153           | 22.386    | 91.119       |
| 2006/02/04      | 16:33:00 | 1.8319           | 22.484    | 91.098       |
| 2006/02/04      | 16:34:00 | 1.8486           | 22.696    | 91.094       |
| 2006/02/04      | 16:35:00 | 1.8653           | 22.984    | 91.092       |
| Initial Flow    |          |                  |           |              |
| 2006/02/04      | 16:35:30 | 1.8736           | 23.141    | 91.092       |
| 2006/02/04      | 16:36:00 | 1.8819           | 23.361    | 91.096       |
| 2006/02/04      | 16:37:00 | 1.8986           | 26.909    | 91.119       |
| 2006/02/04      | 16:38:00 | 1.9153           | 31.970    | 91.134       |
| 2006/02/04      | 16:39:00 | 1.9319           | 38.267    | 91.150       |
| 2006/02/04      | 16:40:00 | 1.9486           | 46.435    | 91.170       |
| 2006/02/04      | 16:41:00 | 1.9653           | 56.904    | 91.193       |
| 2006/02/04      | 16:42:00 | 1.9819           | 69.871    | 91.227       |
| 2006/02/04      | 16:43:00 | 1.9986           | 86.361    | 91.252       |
| 2006/02/04      | 16:44:00 | 2.0153           | 106.630   | 91.288       |
| 2006/02/04      | 16:45:00 | 2.0319           | 130.838   | 91.323       |
| 2006/02/04      | 16:46:15 | 2.0528           | 165.649   | 91.375       |
| 2006/02/04      | 16:47:15 | 2.0694           | 196.023   | 91.414       |
| 2006/02/04      | 16:48:15 | 2.0861           | 227.160   | 91.456       |
| 2006/02/04      | 16:49:15 | 2.1028           | 258.059   | 91.499       |
| 2006/02/04      | 16:50:15 | 2.1194           | 288.144   | 91.544       |
| 2006/02/04      | 16:51:15 | 2.1361           | 316.966   | 91.585       |
| 2006/02/04      | 16:52:15 | 2.1528           | 344.318   | 91.632       |
| 2006/02/04      | 16:53:15 | 2.1694           | 370.021   | 91.674       |
| 2006/02/04      | 16:54:00 | 2.1819           | 388.353   | 91.706       |
| 2006/02/04      | 16:55:00 | 2.1986           | 411.179   | 91.740       |
| 2006/02/04      | 16:56:00 | 2.2153           | 432.635   | 91.780       |
| 2006/02/04      | 16:57:00 | 2.2319           | 452.429   | 91.827       |
| 2006/02/04      | 16:58:00 | 2.2486           | 470.816   | 91.863       |
| 2006/02/04      | 16:59:00 | 2.2653           | 487.818   | 91.900       |
| 2006/02/04      | 17:00:00 | 2.2819           | 503.418   | 91.938       |
| 2006/02/04      | 17:01:00 | 2.2986           | 517.922   | 91.965       |
| 2006/02/04      | 17:02:15 | 2.3194           | 534.675   | 92.017       |
| 2006/02/04      | 17:03:15 | 2.3361           | 546.800   | 92.046       |
| 2006/02/04      | 17:04:15 | 2.3528           | 558.080   | 92.084       |
| Initial Buildup |          |                  |           |              |
| 2006/02/04      | 17:04:45 | 2.3611           | 563.467   | 92.102       |
| 2006/02/04      | 17:05:15 | 2.3694           | 565.816   | 92.118       |

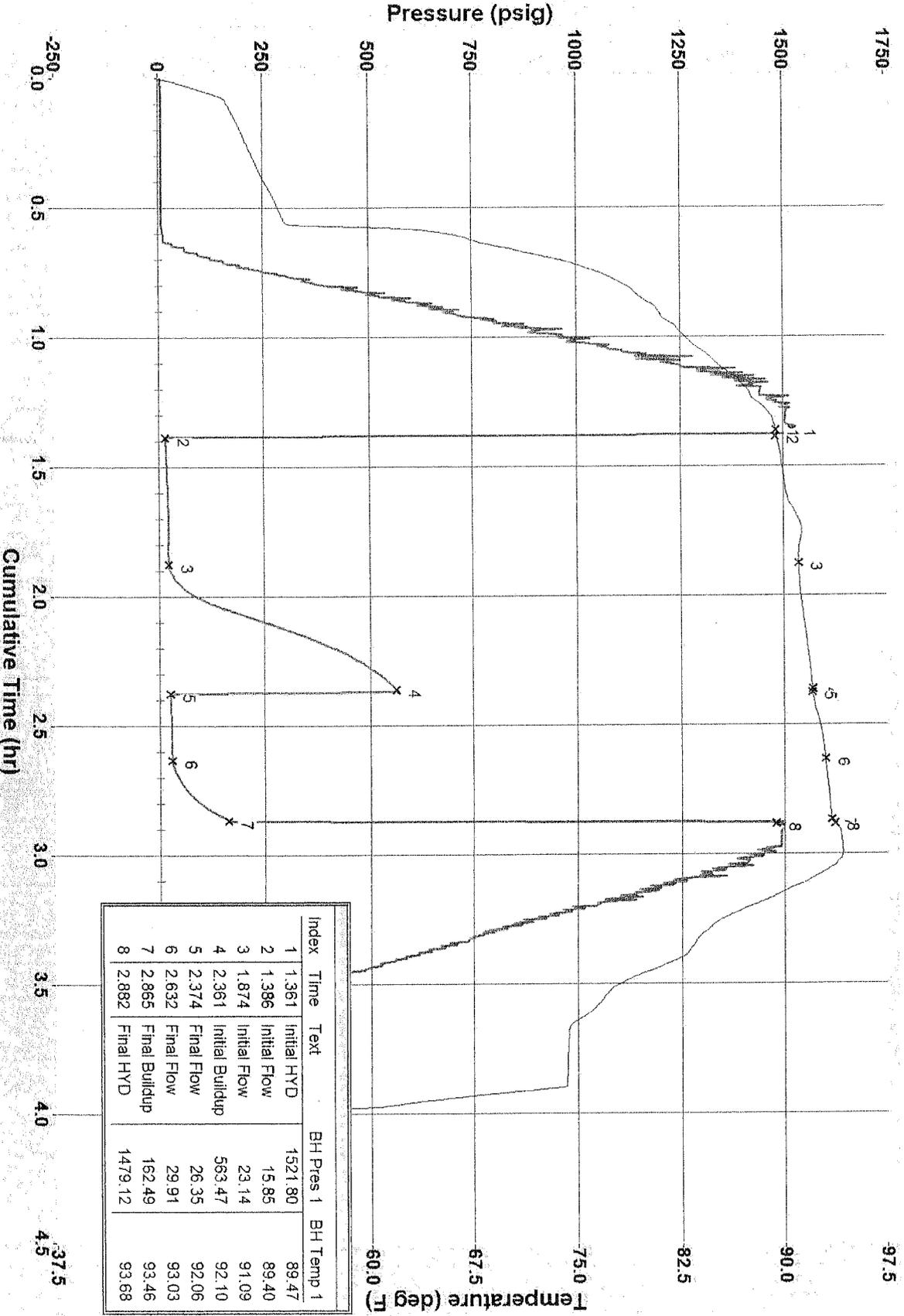


Company Name Richlan Drilling  
 Well Name Schreiber #2  
 Type of Test DST #1 3092 to 3197  
 Date(s) of Test 2-4-06



| Date                 | Time     | Cum.Time<br>BH1 | BH Pres 1 | BH Temp<br>1 |
|----------------------|----------|-----------------|-----------|--------------|
|                      |          | hr              | psig      | deg F        |
| <b>Final Flow</b>    |          |                 |           |              |
| 2006/02/04           | 17:05:30 | 2.3736          | 26.355    | 92.064       |
| 2006/02/04           | 17:06:15 | 2.3861          | 26.570    | 92.107       |
| 2006/02/04           | 17:07:15 | 2.4028          | 26.934    | 92.178       |
| 2006/02/04           | 17:08:15 | 2.4194          | 27.057    | 92.233       |
| 2006/02/04           | 17:09:15 | 2.4361          | 27.333    | 92.295       |
| 2006/02/04           | 17:10:00 | 2.4486          | 27.757    | 92.358       |
| 2006/02/04           | 17:11:00 | 2.4653          | 28.098    | 92.469       |
| 2006/02/04           | 17:12:00 | 2.4819          | 28.262    | 92.557       |
| 2006/02/04           | 17:13:00 | 2.4986          | 28.602    | 92.642       |
| 2006/02/04           | 17:14:00 | 2.5153          | 28.796    | 92.707       |
| 2006/02/04           | 17:15:00 | 2.5319          | 28.978    | 92.770       |
| 2006/02/04           | 17:16:00 | 2.5486          | 29.146    | 92.826       |
| 2006/02/04           | 17:17:15 | 2.5694          | 29.382    | 92.883       |
| 2006/02/04           | 17:18:15 | 2.5861          | 29.520    | 92.928       |
| 2006/02/04           | 17:19:15 | 2.6028          | 29.624    | 92.968       |
| 2006/02/04           | 17:20:15 | 2.6194          | 29.866    | 93.006       |
| <b>Final Flow</b>    |          |                 |           |              |
| 2006/02/04           | 17:21:00 | 2.6319          | 29.909    | 93.027       |
| 2006/02/04           | 17:21:15 | 2.6361          | 30.060    | 93.042       |
| 2006/02/04           | 17:22:15 | 2.6528          | 32.865    | 93.069       |
| 2006/02/04           | 17:23:15 | 2.6694          | 36.525    | 93.099       |
| 2006/02/04           | 17:24:15 | 2.6861          | 40.884    | 93.135       |
| 2006/02/04           | 17:25:00 | 2.6986          | 44.699    | 93.162       |
| 2006/02/04           | 17:26:00 | 2.7153          | 50.370    | 93.189       |
| 2006/02/04           | 17:27:00 | 2.7319          | 57.007    | 93.222       |
| 2006/02/04           | 17:28:00 | 2.7486          | 64.685    | 93.250       |
| 2006/02/04           | 17:29:00 | 2.7653          | 73.593    | 93.285       |
| 2006/02/04           | 17:30:00 | 2.7819          | 83.972    | 93.310       |
| 2006/02/04           | 17:31:00 | 2.7986          | 96.032    | 93.344       |
| 2006/02/04           | 17:32:00 | 2.8153          | 109.886   | 93.367       |
| 2006/02/04           | 17:33:15 | 2.8361          | 129.825   | 93.411       |
| 2006/02/04           | 17:34:15 | 2.8528          | 147.840   | 93.436       |
| <b>Final Buildup</b> |          |                 |           |              |
| 2006/02/04           | 17:35:00 | 2.8653          | 162.487   | 93.463       |
| 2006/02/04           | 17:35:15 | 2.8694          | 167.508   | 93.470       |
| <b>Final HYD</b>     |          |                 |           |              |
| 2006/02/04           | 17:36:00 | 2.8819          | 1479.116  | 93.679       |
| 2006/02/04           | 17:36:15 | 2.8861          | 1478.789  | 93.745       |
| 2006/02/04           | 17:37:15 | 2.9028          | 1498.988  | 94.015       |
| 2006/02/04           | 17:38:15 | 2.9194          | 1491.701  | 94.118       |
| 2006/02/04           | 17:39:15 | 2.9361          | 1491.325  | 94.174       |
| 2006/02/04           | 17:40:15 | 2.9528          | 1490.939  | 94.213       |
| 2006/02/04           | 17:41:15 | 2.9694          | 1490.754  | 94.242       |
| 2006/02/04           | 17:42:15 | 2.9861          | 1433.424  | 94.257       |
| 2006/02/04           | 17:43:15 | 3.0028          | 1413.087  | 94.242       |
| 2006/02/04           | 17:44:15 | 3.0194          | 1384.416  | 94.118       |
| 2006/02/04           | 17:45:15 | 3.0361          | 1409.219  | 93.785       |
| 2006/02/04           | 17:46:15 | 3.0528          | 1373.537  | 93.405       |
| 2006/02/04           | 17:47:15 | 3.0694          | 1295.667  | 92.903       |

# Schreiber #2 DST #1



# Ricketts Testing, Inc.



Company RICHLAN DRILLING Lease & Well No. SCHREIBER #2  
 Elevation 1892 K.B. Formation ARBUCKLE Ticket No. 2426  
 Date 2-5-06 Sec. 17 Twp. 16S Range 23W County BARTON State KS  
 Test Approved by BOB SCHREIBER Ricketts Representative JACK BASGALL

Formation Test No. 2 Interval Tested from 3351 ft. to 3360 ft. Total Depth 3360 ft.

Packer Depth 3351 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Packer Depth 3348 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

|   |                              |                   |
|---|------------------------------|-------------------|
| Top Recorder Depth (Inside) _____ ft.     | Recorder Number <u>W1022</u> | Cap. <u>10000</u> |
| Bottom Recorder Depth (Outside) _____ ft. | Recorder Number <u>13564</u> | Cap. <u>4475</u>  |
| Below Straddle Recorder Depth _____ ft.   | Recorder Number _____        | Cap. _____        |

|  |   |
|--|---|
| Drilling Contractor <u>SHIELDS DRILLING RIG #1</u> | Drill Collar Length _____ I.D. _____ in.                            |
| Mud Type <u>CHEMICAL</u> Viscosity <u>51</u>       | Weight Pipe Length <u>378</u> I.D. <u>2.25</u> in.                  |
| Weight <u>9.4</u> Water Loss <u>8.8</u> cc.        | Drill Pipe Length <u>2953</u> I.D. <u>3.25</u> in.                  |
| Chlorides <u>8,000</u> P.P.M.                      | Test Tool Length <u>20</u> ft. Tool Size <u>5 1/2</u> in.           |
| Jars: Make _____ Serial Number _____               | Anchor Length <u>9</u> ft. Size <u>5 1/2</u> in.                    |
| Did 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.  |
| Gravity Oil _____                                  | Main Hole Size <u>7 7/8</u> in. Tool Joint Size <u>4 1/2 FH</u> in. |

Blow: VERY WEAK BLOW INITIAL FLOW PERIOD. DIED IN 10 MINUTES. NO BLOW FINAL FLOW PERIOD.

Recovered 2 ft. of VERY SLIGHTLY OIL CUT MUD. SHOW OF FREE OIL ON TOP OF TOOL.

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

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

Time Set Packer (s) 12:56 P.M. Time Started Off Bottom 2:41 P.M. Maximum Temperature 99°

|   |             |               |           |
|---|-------------|---------------|-----------|
| Initial Hydrostatic Pressure.....(A) _____  | <u>1664</u> | P.S.I.        |           |
| Initial Flow Period .....Minutes _____      | <u>30</u>   | (B) _____     | P.S.I. to |
|   |             | (C) <u>16</u> | P.S.I.    |
| Initial Closed In Period .....Minutes _____ | <u>30</u>   | (D) _____     | P.S.I.    |
| Final Flow Period .....Minutes _____        | <u>15</u>   | (E) _____     | P.S.I. to |
|   |             | (F) <u>17</u> | P.S.I.    |
| Final Closed In Period .....Minutes _____   | <u>30</u>   | (G) _____     | P.S.I.    |
| Final Hydrostatic Pressure.....(H) _____    | <u>1634</u> | P.S.I.        |           |



Company Name Richlan Drilling  
 Well Name Schreiber #2  
 Type of Test DST #2 3351 to 3360  
 Date(s) of Test 2-5-2006



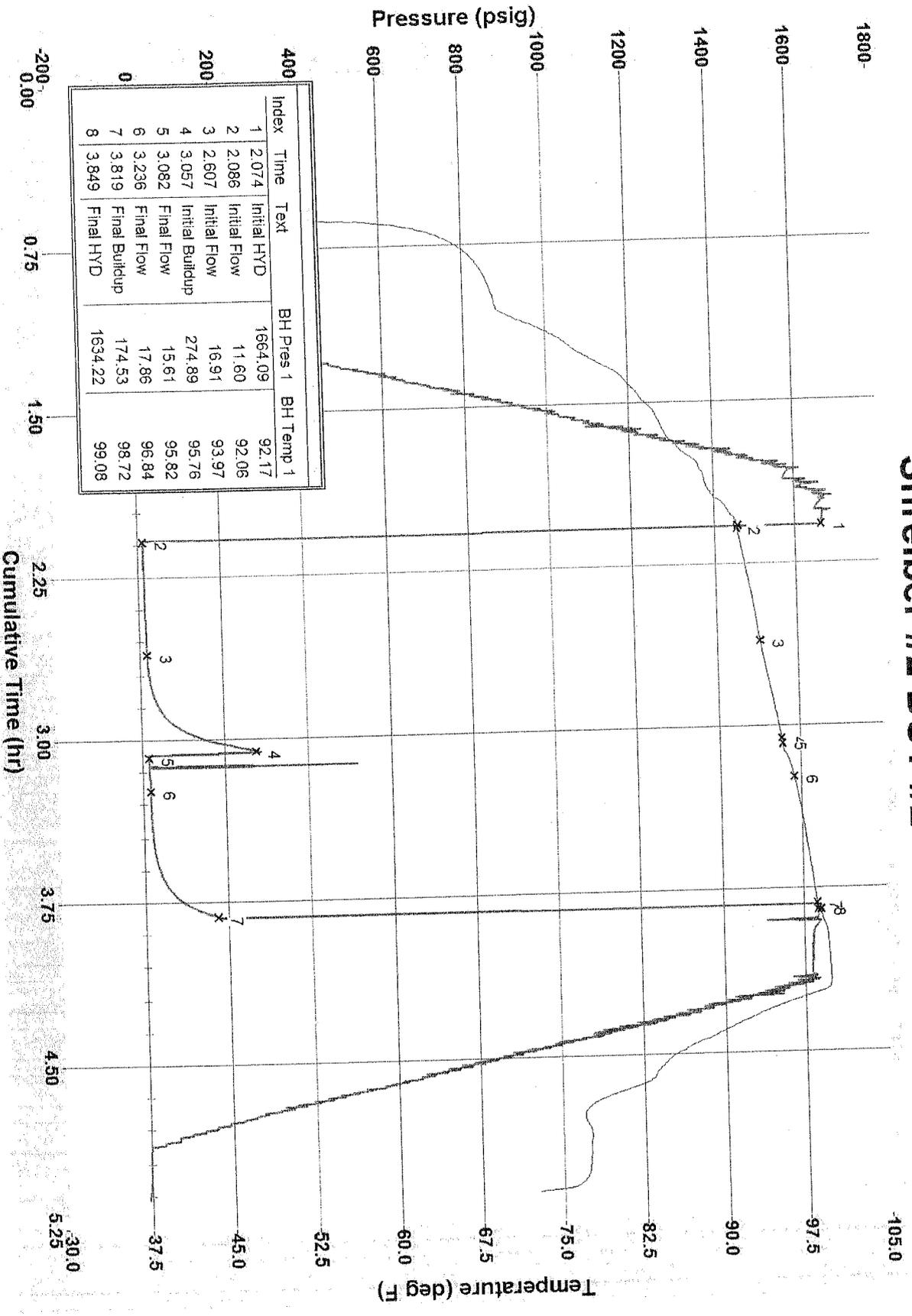
| Date          | Time     | Cum.Time<br>BH1 | BH Pres 1 | BH Temp<br>1 |
|---------------|----------|-----------------|-----------|--------------|
|               |          | hr              | psig      | deg F        |
| 2006/02/05    | 14:03:00 | 3.1819          | 17.153    | 96.550       |
| 2006/02/05    | 14:04:00 | 3.1986          | 17.398    | 96.647       |
| 2006/02/05    | 14:05:15 | 3.2194          | 17.686    | 96.759       |
| Final Flow    |          |                 |           |              |
| 2006/02/05    | 14:06:15 | 3.2361          | 17.856    | 96.840       |
| 2006/02/05    | 14:07:00 | 3.2486          | 18.024    | 96.904       |
| 2006/02/05    | 14:08:15 | 3.2694          | 18.035    | 96.996       |
| 2006/02/05    | 14:09:15 | 3.2861          | 18.348    | 97.061       |
| 2006/02/05    | 14:10:00 | 3.2986          | 18.508    | 97.115       |
| 2006/02/05    | 14:11:15 | 3.3194          | 18.810    | 97.194       |
| 2006/02/05    | 14:12:15 | 3.3361          | 19.115    | 97.257       |
| 2006/02/05    | 14:13:00 | 3.3486          | 18.824    | 97.297       |
| 2006/02/05    | 14:14:00 | 3.3653          | 18.992    | 97.362       |
| 2006/02/05    | 14:15:15 | 3.3861          | 19.548    | 97.441       |
| 2006/02/05    | 14:16:00 | 3.3986          | 19.893    | 97.477       |
| 2006/02/05    | 14:17:15 | 3.4194          | 20.536    | 97.545       |
| 2006/02/05    | 14:18:15 | 3.4361          | 21.132    | 97.601       |
| 2006/02/05    | 14:19:00 | 3.4486          | 21.536    | 97.635       |
| 2006/02/05    | 14:20:15 | 3.4694          | 22.321    | 97.702       |
| 2006/02/05    | 14:21:00 | 3.4819          | 22.981    | 97.747       |
| 2006/02/05    | 14:22:15 | 3.5028          | 24.420    | 97.810       |
| 2006/02/05    | 14:23:15 | 3.5194          | 25.796    | 97.860       |
| 2006/02/05    | 14:24:15 | 3.5361          | 27.354    | 97.912       |
| 2006/02/05    | 14:25:00 | 3.5486          | 28.827    | 97.956       |
| 2006/02/05    | 14:26:15 | 3.5694          | 31.401    | 98.011       |
| 2006/02/05    | 14:27:00 | 3.5819          | 33.183    | 98.049       |
| 2006/02/05    | 14:28:15 | 3.6028          | 36.438    | 98.101       |
| 2006/02/05    | 14:29:15 | 3.6194          | 39.494    | 98.152       |
| 2006/02/05    | 14:30:00 | 3.6319          | 41.998    | 98.188       |
| 2006/02/05    | 14:31:15 | 3.6528          | 46.940    | 98.249       |
| 2006/02/05    | 14:32:00 | 3.6653          | 50.439    | 98.285       |
| 2006/02/05    | 14:33:00 | 3.6819          | 55.750    | 98.334       |
| 2006/02/05    | 14:34:15 | 3.7028          | 64.006    | 98.393       |
| 2006/02/05    | 14:35:15 | 3.7194          | 71.991    | 98.434       |
| 2006/02/05    | 14:36:00 | 3.7319          | 79.093    | 98.469       |
| 2006/02/05    | 14:37:15 | 3.7528          | 93.720    | 98.528       |
| 2006/02/05    | 14:38:00 | 3.7653          | 104.333   | 98.566       |
| 2006/02/05    | 14:39:15 | 3.7861          | 126.171   | 98.625       |
| 2006/02/05    | 14:40:15 | 3.8028          | 148.440   | 98.677       |
| 2006/02/05    | 14:41:00 | 3.8153          | 167.642   | 98.710       |
| Final Buildup |          |                 |           |              |
| 2006/02/05    | 14:41:15 | 3.8194          | 174.528   | 98.724       |
| 2006/02/05    | 14:42:15 | 3.8361          | 1640.653  | 99.009       |
| Final HYD     |          |                 |           |              |
| 2006/02/05    | 14:43:00 | 3.8486          | 1634.220  | 99.084       |
| 2006/02/05    | 14:43:15 | 3.8528          | 1632.449  | 99.115       |
| 2006/02/05    | 14:44:00 | 3.8653          | 1634.990  | 99.169       |
| 2006/02/05    | 14:45:15 | 3.8861          | 1633.795  | 99.244       |
| 2006/02/05    | 14:46:15 | 3.9028          | 1641.538  | 99.313       |
| 2006/02/05    | 14:47:00 | 3.9153          | 1636.130  | 99.446       |



Company Name: Richlan Drilling  
 Well Name: Schreiber #2  
 Type of Test: DST #2 3351 to 3360  
 Date(s) of Test: 2-5-2006



# Shreiber #2 DST #2



# Ricketts Testing, Inc.



Company RICHLAN DRILLING Lease & Well No. SCHREIBER #2  
 Elevation 1892 K.B. Formation ARBUCKLE Ticket No. 2476  
 Date 2-6-06 Sec. 17 Twp. 16S Range 12W County BARTON State KS  
 Test Approved by BOB SCHREIBER Ricketts Representative JACK BASGALL

Formation Test No. 3 Interval Tested from 3352 ft. to 3367 ft. Total Depth 3367 ft.  
 Packer Depth 3352 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Packer Depth 3349 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Top Recorder Depth (Inside) 3357 ft. Recorder Number W1022 Cap. 10000  
 Bottom Recorder Depth (Outside) 3360 ft. Recorder Number 13564 Cap. 4475  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_

Drilling Contractor SHIELDS DRILLING RIG #1 Drill Collar Length \_\_\_\_\_ I.D. \_\_\_\_\_ in.  
 Mud Type CHEMICAL Viscosity 51 Weight Pipe Length 378 I.D. 2.25 in.  
 Weight 9.4 Water Loss 8.8 cc. Drill Pipe Length 2954 I.D. 3.25 in.  
 Chlorides 8,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.  
 Jars: Make \_\_\_\_\_ Serial Number \_\_\_\_\_ Anchor Length 15 ft. Size 5 1/2 in.  
 Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
 Gravity Oil 37° Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: STRONG BLOW TO BOTTOM OF BUCKET IN 5 MINUTES INITIAL FLOW PERIOD. STRONG BLOW TO BOTTOM OF BUCKET IN 7 MINUTES FINAL FLOW PERIOD. BLOW BACK ON FINAL SHUT-IN.

Recovered 577 ft. of FREE OIL.  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Remarks: \_\_\_\_\_

Time Set Packer (s) 12:10 AM. Time Started Off Bottom 2:10 AM. Maximum Temperature 106°  
 Initial Hydrostatic Pressure .....(A) 1659 P.S.I.  
 Initial Flow Period .....Minutes 30 (B) 46 P.S.I. to  
 (C) 163 P.S.I.  
 Initial Closed In Period .....Minutes 30 (D) 684 P.S.I.  
 Final Flow Period .....Minutes 30 (E) 179 P.S.I. to  
 (F) 206 P.S.I.  
 Final Closed In Period .....Minutes 30 (G) 669 P.S.I.  
 Final Hydrostatic Pressure .....(H) 1633 P.S.I.

# Pressure Test Report

## COMPANY INFORMATION

Company Name Richlan Drilling  
Representative Bob Schreiber  
Phone  
Fax  
Address

E-Mail Address  
Service Company

## WELL INFORMATION

Well Name Schreiber #2  
Well Location 17 - 16s - 12w E/2 NW/4 SW/4  
Field and Pool  
Status (Oil, Gas, Water, Injection) Oil and Gas  
Perforated Intervals  
Mid-point of Perforated Intervals (MPP)  
Drilling Rig Number Shields Drilling #1  
Elevations  
    Kelly Bushing (KB) 1892 KB  
    Casing Flange (CF)  
    KB-CF  
    Ground Level 1887 GL  
Plug Back Total Depth  
Total Depth 3367  
Production Casing  
Production Tubing

## TEST INFORMATION

Type of Test DST #3 3352 to 3367  
Date(s) of Test 2-6-2006  
Dead-weight Gauge Tubing Pressure  
Dead-weight Gauge Casing Pressure  
Shut-in Date (Duration) 2-6-2006  
Date / Time on Bottom 2-6-2006 12:10 am  
Date / Time off Bottom 2-6-2006 2:10 am

Probe Serial Number  
Probe Offset from End of Tool String  
Run Depth at Probe Pressure Port 3357

## PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure 1664.7 psig  
Maximum Recorded Probe Temperature 107.0 deg F  
Final Buildup Pressure  
Gradient Survey Information  
    Extrapolated Pressure to MPP  
    Final Gradient at Depth  
Job Number



**Company Name** Richlan Drilling  
**Well Name** Schreiber #2  
**Type of Test** DST #3 3352 to 3367  
**Date(s) of Test** 2-6-2006



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## COMMENTS

Reported By

Jack Basgall

Strong blow to bottom of bucket in 5 minutes initial flow period. Strong blow to bottom of bucket in 7 minutes final flow period. Blow back on final shut-in period. Recovery - 577 foot of free oil.



Company Name Richlan Drilling  
 Well Name Schreiber #2  
 Type of Test DST #3 3352 to 3367  
 Date(s) of Test 2-6-2006



| Date         | Time     | Cum.Time<br>BH1 | BH Pres 1 | BH Temp<br>1 |
|--------------|----------|-----------------|-----------|--------------|
|              |          | hr              | psig      | deg F        |
| 2006/02/07   | 00:03:00 | 1.6653          | 1651.802  | 89.377       |
| 2006/02/07   | 00:04:15 | 1.6861          | 1651.421  | 89.514       |
| 2006/02/07   | 00:05:15 | 1.7028          | 1650.845  | 89.623       |
| 2006/02/07   | 00:06:15 | 1.7194          | 1652.075  | 89.735       |
| 2006/02/07   | 00:07:15 | 1.7361          | 1652.139  | 89.839       |
| 2006/02/07   | 00:08:00 | 1.7486          | 1662.736  | 89.920       |
| 2006/02/07   | 00:09:15 | 1.7694          | 1660.872  | 90.046       |
| Initial HYD  |          |                 |           |              |
| 2006/02/07   | 00:10:15 | 1.7861          | 1659.802  | 90.160       |
| Initial Flow |          |                 |           |              |
| 2006/02/07   | 00:11:00 | 1.7986          | 46.080    | 90.090       |
| 2006/02/07   | 00:12:15 | 1.8194          | 59.109    | 91.886       |
| 2006/02/07   | 00:13:15 | 1.8361          | 68.554    | 93.504       |
| 2006/02/07   | 00:14:15 | 1.8528          | 75.750    | 94.636       |
| 2006/02/07   | 00:15:15 | 1.8694          | 80.699    | 95.385       |
| 2006/02/07   | 00:16:00 | 1.8819          | 85.504    | 95.774       |
| 2006/02/07   | 00:17:15 | 1.9028          | 93.656    | 96.647       |
| 2006/02/07   | 00:18:00 | 1.9153          | 98.110    | 97.140       |
| 2006/02/07   | 00:19:15 | 1.9361          | 104.804   | 97.864       |
| 2006/02/07   | 00:20:00 | 1.9486          | 108.943   | 98.517       |
| 2006/02/07   | 00:21:15 | 1.9694          | 114.638   | 99.711       |
| 2006/02/07   | 00:22:15 | 1.9861          | 118.715   | 100.461      |
| 2006/02/07   | 00:23:15 | 2.0028          | 122.544   | 100.798      |
| 2006/02/07   | 00:24:00 | 2.0153          | 125.375   | 100.962      |
| 2006/02/07   | 00:25:15 | 2.0361          | 130.442   | 101.244      |
| 2006/02/07   | 00:26:00 | 2.0486          | 133.338   | 101.377      |
| 2006/02/07   | 00:27:15 | 2.0694          | 137.633   | 101.502      |
| 2006/02/07   | 00:28:00 | 2.0819          | 139.046   | 101.559      |
| 2006/02/07   | 00:29:15 | 2.1028          | 141.898   | 101.631      |
| 2006/02/07   | 00:30:00 | 2.1153          | 143.647   | 101.665      |
| 2006/02/07   | 00:31:15 | 2.1361          | 146.922   | 101.707      |
| 2006/02/07   | 00:32:00 | 2.1486          | 148.903   | 101.721      |
| 2006/02/07   | 00:33:15 | 2.1694          | 152.013   | 101.725      |
| 2006/02/07   | 00:34:00 | 2.1819          | 153.582   | 101.701      |
| 2006/02/07   | 00:35:15 | 2.2028          | 155.538   | 101.649      |
| 2006/02/07   | 00:36:00 | 2.2153          | 156.292   | 101.613      |
| 2006/02/07   | 00:37:15 | 2.2361          | 157.304   | 101.545      |
| 2006/02/07   | 00:38:00 | 2.2486          | 157.739   | 101.511      |
| 2006/02/07   | 00:39:15 | 2.2694          | 158.807   | 101.462      |
| 2006/02/07   | 00:40:15 | 2.2861          | 159.656   | 101.428      |
| 2006/02/07   | 00:41:15 | 2.3028          | 160.466   | 101.417      |
| 2006/02/07   | 00:42:00 | 2.3153          | 160.979   | 101.397      |
| 2006/02/07   | 00:43:15 | 2.3361          | 162.157   | 101.388      |
| 2006/02/07   | 00:44:00 | 2.3486          | 162.857   | 101.376      |
| Initial Flow |          |                 |           |              |
| 2006/02/07   | 00:45:00 | 2.3653          | 163.630   | 101.365      |
| 2006/02/07   | 00:45:15 | 2.3694          | 164.763   | 101.363      |
| 2006/02/07   | 00:46:00 | 2.3819          | 278.023   | 101.302      |
| 2006/02/07   | 00:47:15 | 2.4028          | 346.831   | 101.235      |
| 2006/02/07   | 00:48:15 | 2.4194          | 385.509   | 101.433      |

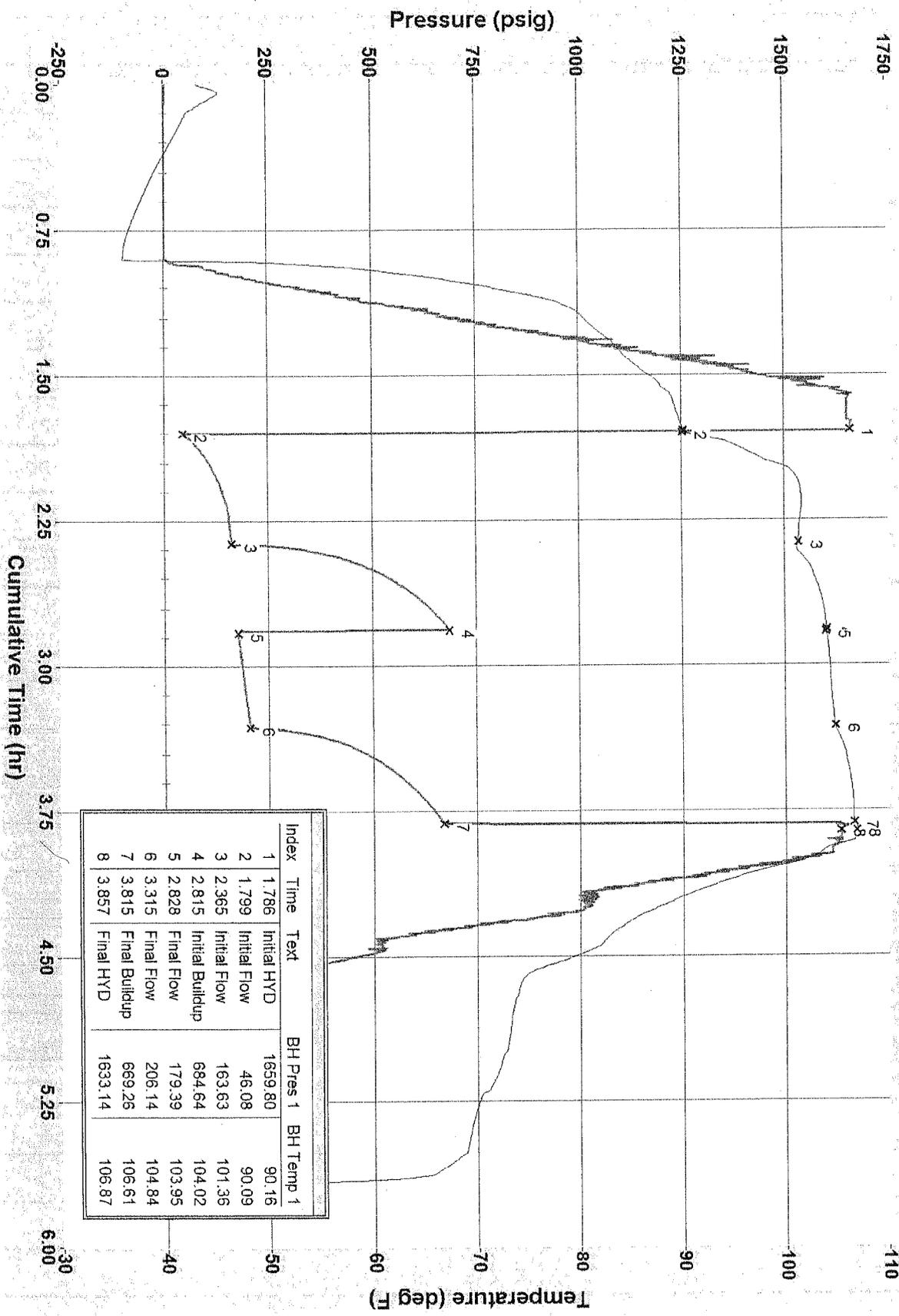


Company Name Richlan Drilling  
 Well Name Schreiber #2  
 Type of Test DST #3 3352 to 3367  
 Date(s) of Test 2-6-2006



| Date                   | Time     | Cum.Time<br>BH1 | BH Pres 1 | BH Temp<br>1 |
|------------------------|----------|-----------------|-----------|--------------|
|                        |          | hr              | psig      | deg F        |
| 2006/02/07             | 00:49:15 | 2.4361          | 416.272   | 101.701      |
| 2006/02/07             | 00:50:15 | 2.4528          | 441.817   | 101.973      |
| 2006/02/07             | 00:51:00 | 2.4653          | 458.608   | 102.150      |
| 2006/02/07             | 00:52:15 | 2.4861          | 483.358   | 102.421      |
| 2006/02/07             | 00:53:15 | 2.5028          | 500.780   | 102.587      |
| 2006/02/07             | 00:54:00 | 2.5153          | 512.692   | 102.693      |
| 2006/02/07             | 00:55:15 | 2.5361          | 531.139   | 102.832      |
| 2006/02/07             | 00:56:15 | 2.5528          | 544.630   | 102.942      |
| 2006/02/07             | 00:57:15 | 2.5694          | 557.067   | 103.066      |
| 2006/02/07             | 00:58:15 | 2.5861          | 568.713   | 103.186      |
| 2006/02/07             | 00:59:00 | 2.5986          | 577.077   | 103.264      |
| 2006/02/07             | 01:00:15 | 2.6194          | 590.345   | 103.393      |
| 2006/02/07             | 01:01:00 | 2.6319          | 597.774   | 103.464      |
| 2006/02/07             | 01:02:15 | 2.6528          | 609.770   | 103.575      |
| 2006/02/07             | 01:03:00 | 2.6653          | 616.637   | 103.629      |
| 2006/02/07             | 01:04:15 | 2.6861          | 627.574   | 103.716      |
| 2006/02/07             | 01:05:15 | 2.7028          | 636.006   | 103.773      |
| 2006/02/07             | 01:06:15 | 2.7194          | 643.991   | 103.825      |
| 2006/02/07             | 01:07:00 | 2.7319          | 649.823   | 103.861      |
| 2006/02/07             | 01:08:15 | 2.7528          | 659.193   | 103.912      |
| 2006/02/07             | 01:09:00 | 2.7653          | 664.637   | 103.932      |
| 2006/02/07             | 01:10:15 | 2.7861          | 673.642   | 103.975      |
| 2006/02/07             | 01:11:00 | 2.7986          | 678.867   | 103.993      |
| <b>Initial Buildup</b> |          |                 |           |              |
| 2006/02/07             | 01:12:00 | 2.8153          | 684.640   | 104.018      |
| 2006/02/07             | 01:12:15 | 2.8194          | 184.787   | 103.964      |
| <b>Final Flow</b>      |          |                 |           |              |
| 2006/02/07             | 01:12:45 | 2.8278          | 179.390   | 103.951      |
| 2006/02/07             | 01:13:00 | 2.8319          | 179.392   | 103.973      |
| 2006/02/07             | 01:14:15 | 2.8528          | 179.032   | 104.095      |
| 2006/02/07             | 01:15:00 | 2.8653          | 179.893   | 104.131      |
| 2006/02/07             | 01:16:15 | 2.8861          | 181.230   | 104.185      |
| 2006/02/07             | 01:17:00 | 2.8986          | 182.073   | 104.211      |
| 2006/02/07             | 01:18:15 | 2.9194          | 183.171   | 104.247      |
| 2006/02/07             | 01:19:00 | 2.9319          | 183.744   | 104.261      |
| 2006/02/07             | 01:20:15 | 2.9528          | 184.847   | 104.299      |
| 2006/02/07             | 01:21:00 | 2.9653          | 185.483   | 104.311      |
| 2006/02/07             | 01:22:15 | 2.9861          | 186.765   | 104.344      |
| 2006/02/07             | 01:23:15 | 3.0028          | 187.823   | 104.380      |
| 2006/02/07             | 01:24:15 | 3.0194          | 188.945   | 104.409      |
| 2006/02/07             | 01:25:00 | 3.0319          | 189.498   | 104.416      |
| 2006/02/07             | 01:26:15 | 3.0528          | 190.331   | 104.436      |
| 2006/02/07             | 01:27:00 | 3.0653          | 190.972   | 104.448      |
| 2006/02/07             | 01:28:15 | 3.0861          | 192.134   | 104.470      |
| 2006/02/07             | 01:29:00 | 3.0986          | 192.678   | 104.473      |
| 2006/02/07             | 01:30:15 | 3.1194          | 193.959   | 104.499      |
| 2006/02/07             | 01:31:15 | 3.1361          | 194.888   | 104.511      |
| 2006/02/07             | 01:32:15 | 3.1528          | 195.964   | 104.538      |
| 2006/02/07             | 01:33:15 | 3.1694          | 197.076   | 104.565      |
| 2006/02/07             | 01:34:00 | 3.1819          | 197.864   | 104.585      |

# Schreiber #2 DST #3



| Index | Time  | Text            | BH Pres 1 | BH Temp 1 |
|-------|-------|-----------------|-----------|-----------|
| 1     | 1.786 | Initial HYD     | 1659.80   | 90.16     |
| 2     | 1.799 | Initial Flow    | 46.08     | 90.09     |
| 3     | 2.365 | Initial Flow    | 163.63    | 101.36    |
| 4     | 2.815 | Initial Buildup | 684.64    | 104.02    |
| 5     | 2.828 | Final Flow      | 179.39    | 103.95    |
| 6     | 3.315 | Final Flow      | 206.14    | 104.84    |
| 7     | 3.815 | Final Buildup   | 669.26    | 106.61    |
| 8     | 3.857 | Final HYD       | 1633.14   | 106.87    |