ORIGINAL

Computer Inventoried

| | |
|---|---|
| **WELL NAME:** | Bailey 1-11 |
| **COMPANY:** | Robuck Petroleum Company |
| **LOCATION:** | 11-2S-27W |
| | Decatur County, Kansas |
| **DATE:** | 3/27/98 |

15-039-20907

# TRILOBITE TESTING L.L.C.

OPERATOR : Robuck Petrol. Comp. DATE 3-25-98
WELL NAME: Bailey 1-11 KB 2658.00 ft TICKET NO: 11222 DST #1
LOCATION : 11-2S-27W CO Decatur KS GR 2653.00 ft FORMATION: L KC
INTERVAL : 3538.00 To 3576.00 ft TD 3576.00 ft TEST TYPE: CONV.

RECORDER DATA

| Mins | | Field | 1 | 2 | 3 | 4 |
|---|---|---|---|---|---|---|
| PF 30 | Rec. | 11058 | 11058 | 2346 | | |
| SI 60 | Range(Psi ) | 4500.0 | 4500.0 | 4995.0 | 0.0 | 0.0 |
| SF 60 | Clock(hrs) | 12 | 12 | alpin | | |
| FS 60 | Depth(ft ) | 3571.0 | 3571.0 | 3539.0 | 0.0 | 0.0 |

TIME DATA----------
PF Fr. 1130 to 1200 hr
IS Fr. 1200 to 1300 hr
SF Fr. 1300 to 1400 hr
FS Fr. 1400 to 1500 hr

| | Field | 1 | 2 | 3 | 4 |
|---|---|---|---|---|---|
| A. Init Hydro | 1713.0 | 1722.0 | 1721.0 | 0.0 | 0.0 |
| B. First Flow | 77.0 | 91.0 | 25.0 | 0.0 | 0.0 |
| B1. Final Flow | 66.0 | 75.0 | 37.0 | 0.0 | 0.0 |
| C. In Shut-in | 884.0 | 871.0 | 870.0 | 0.0 | 0.0 |
| D. Init Flow | 77.0 | 92.0 | 39.0 | 0.0 | 0.0 |
| E. Final Flow | 66.0 | 75.0 | 52.0 | 0.0 | 0.0 |
| F. Fl Shut-in | 816.0 | 796.0 | 825.0 | 0.0 | 0.0 |
| G. Final Hydro | 1690.0 | 1702.0 | 1667.0 | 0.0 | 0.0 |
| Inside/Outside | | i | i | o | |

T STARTED 0945 hr
T ON BOTM 1126 hr
T OPEN 1130 hr
T PULLED 1500 hr
T OUT 1640 hr

RECOVERY
Tot Fluid 60.00 ft of 60.00 ft in DC and 0.00 ft in DP
60.00 ft of Slightly water cut drilling mud
0.00 ft of oil specs on top
0.00 ft of 15% water 85% mud
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
SALINITY 21000.00 P.P.M. A.P.I. Gravity 0.00

TOOL DATA----------

| | |
|---|---|
| Tool Wt. | 4000.00 lbs |
| Wt Set On Packer | 28000.00 lbs |
| Wt Pulled Loose | 75000.00 lbs |
| Initial Str Wt | 60000.00 lbs |
| Unseated Str Wt | 60000.00 lbs |
| Bot Choke | 0.75 in |
| Hole Size | 7.88 in |
| D Col. ID | 2.25 in |
| D. Pipe ID | 3.50 in |
| D.C. Length | 479.00 ft |
| D.P. Length | 3052.00 ft |
| H.W. I.D | 3.50 in |

BLOW DESCRIPTION
Initial Flow:
1/4" at open slow build to a weak
3/4"
Initial Shut-in:
No return
Final Flow:
Bubble to open tool no blow
Final Shut-in:
No return

MUD DATA----------

| | |
|---|---|
| Mud Type | chem |
| Weight | 9.00 lb/c |
| Vis. | 48.00 S/L |
| W.L. | 6.45 in3 |
| F.C. | 0.00 in |
| Mud Drop | N |
| Amt. of fill | 0.00 ft |
| Btm. H. Temp. | 100.00 F |
| Hole Condition | good |
| % Porosity | 0.00 |
| Packer Size | 6.75 in |
| No. of Packers | 2 |
| Cushion Amt. | 0.00 |
| Cushion Type | |
| Reversed Out | N |
| Tool Chased | N |
| Tester | Shane McBride |
| Co. Rep. | Ron Nelson |
| Contr. | Murfin |
| Rig # | 3 |
| Unit # | |
| Pump T. | |

SAMPLES:
SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONV.

WELL NAME: Bailey 1-11

LOCATION : 11-2S-27W CO Decatur KS

TICKET No. 11222  D.S.T. No. 1  DATE 3-25-98

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 27

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 38

TOTAL TOOL ..... 65

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands  Single  Total

D.P. ANCHOR STND.Stands  Single  Total

TOTAL ASSEMBLY ..... 65

D.C. ABOVE TOOLS.Stands8  Single  Total 479

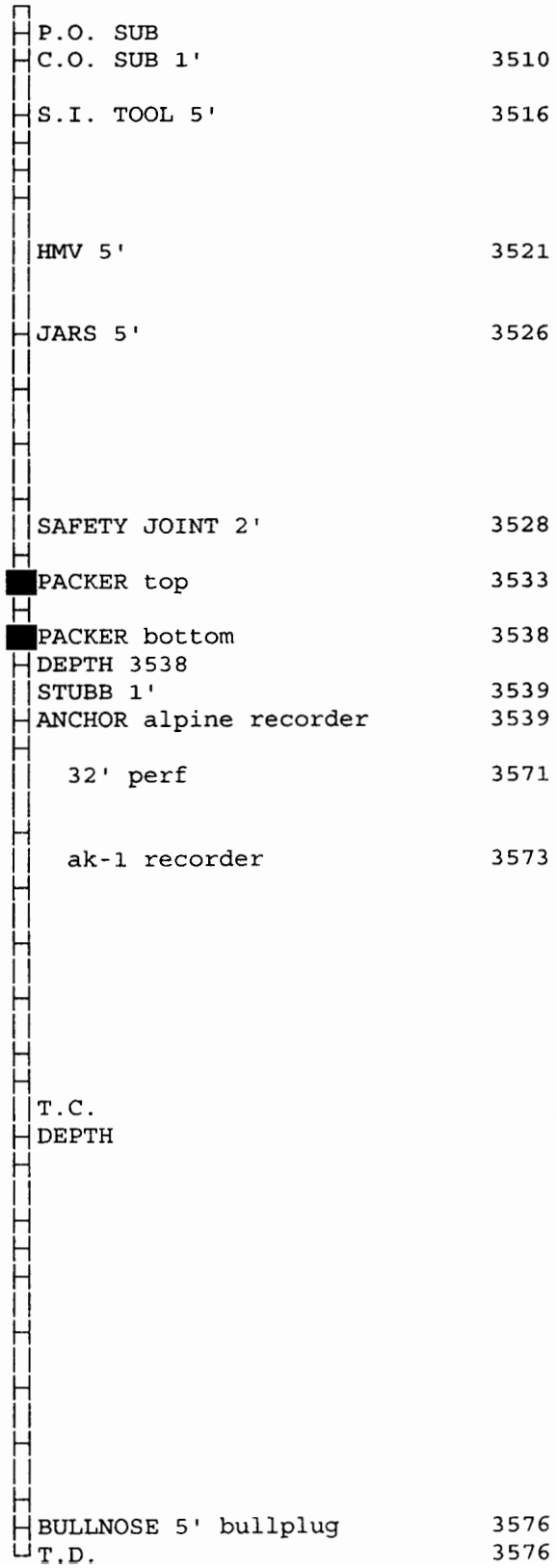
D.P. ABOVE TOOLS.Stands  Single  Total 3052

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 3596

TOTAL DEPTH ..... 3576

TOTAL DRILL PIPE ABOVE K.B. ..... 20

REMARKS:



# TEST HISTORY

11222 DST #1  Bailey # 1-11 Robuck Petrol. Comp.

Flag Points

| | t(Min.) | P( PSIg) |
|---|---|---|
| A: | 0.00 | 1721.65 |
| B: | 0.00 | 25.56 |
| C: | 29.00 | 37.68 |
| D: | 60.00 | 870.03 |
| E: | 0.00 | 39.08 |
| F: | 59.00 | 52.62 |
| G: | 61.00 | 825.35 |
| Q: | 0.00 | 1667.03 |

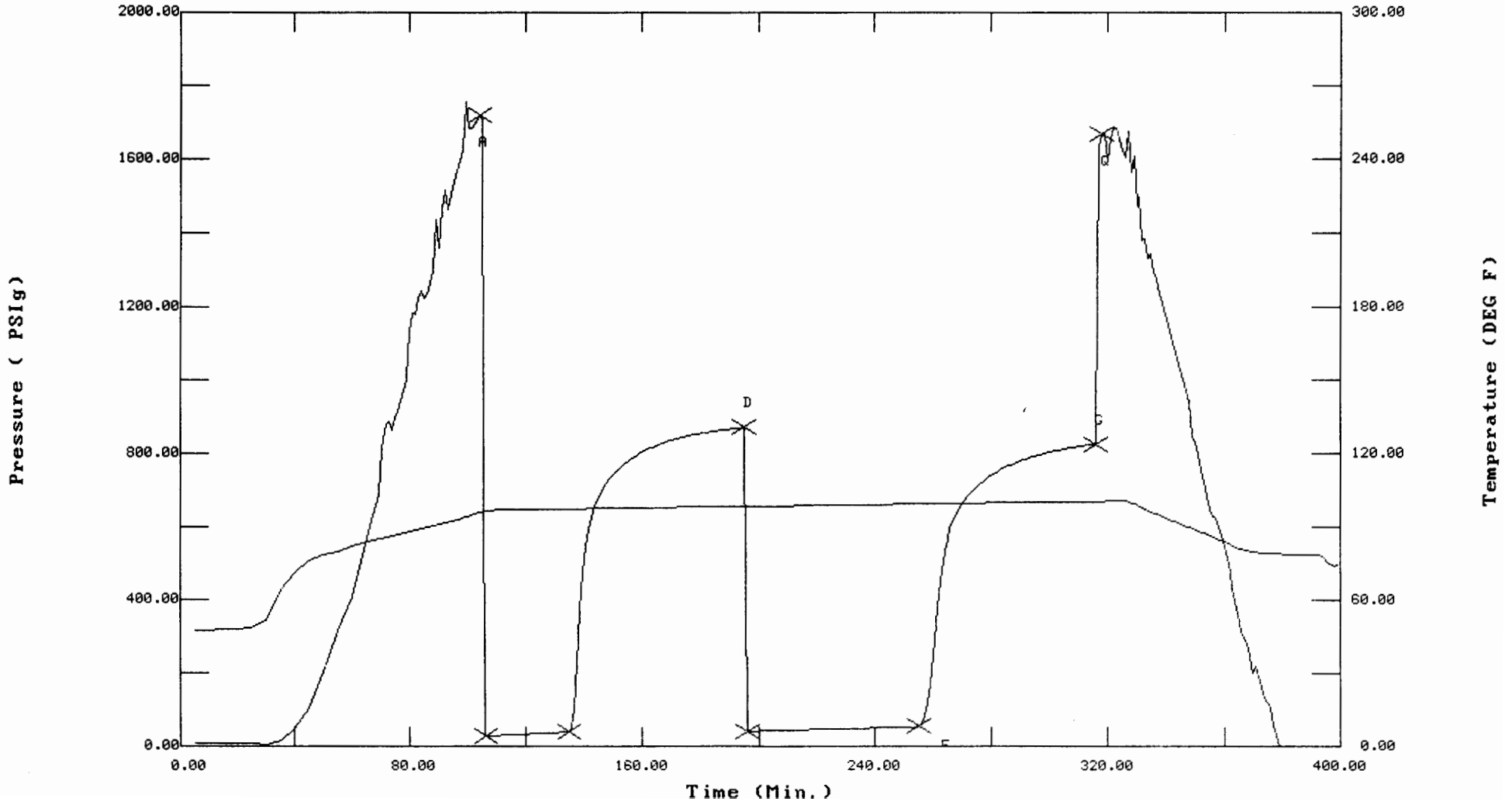
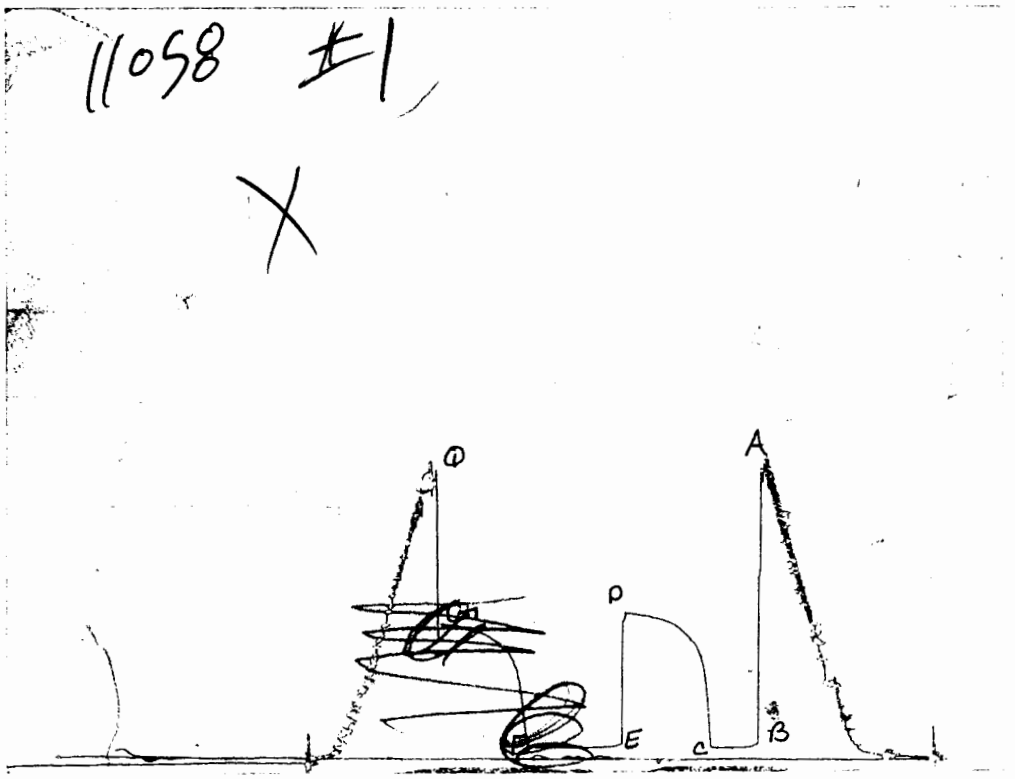


CHART PAGE




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

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 11222 DST #1 Bailey # 1-11 Robuck Petrol. Comp.

DATE: 03/25/98 TIME: 08:31:24

| | Time | Pressure PSIg | delta P PSIg | Temp. DEG F | (T+dT)/dT | P^2/10^6 |
|---|---|---|---|---|---|---|
| ****** Initial Hydro. | 104.00 | 1721.6 | 0.0 | 95.85 | | |
| ****** Start Flow 1 | 0.00 | 25.6 | 0.0 | 96.37 | | |
| | 1.00 | 26.0 | 0.5 | 96.55 | | |
| | 2.00 | 26.5 | 1 | 96.67 | | |
| | 3.00 | 27.1 | 1.5 | 96.78 | | |
| | 4.00 | 27.8 | 2.2 | 96.85 | | |
| | 5.00 | 28.2 | 2.6 | 96.90 | | |
| | 6.00 | 28.6 | 3.0 | 96.94 | | |
| | 7.00 | 29.1 | 3.6 | 96.98 | | |
| | 8.00 | 29.6 | 4.0 | 97.00 | | |
| | 9.00 | 30.0 | 4.4 | 97.03 | | |
| | 10.00 | 30.6 | 5.0 | 97.04 | | |
| | 11.00 | 30.7 | 5.2 | 97.06 | | |
| | 12.00 | 31.1 | 5.6 | 97.07 | | |
| | 13.00 | 31.8 | 6.2 | 97.09 | | |
| | 14.00 | 31.9 | 6.4 | 97.10 | | |
| | 15.00 | 32.3 | 6.7 | 97.10 | | |
| | 16.00 | 33.4 | 7.9 | 97.11 | | |
| | 17.00 | 33.4 | 7.9 | 97.12 | | |
| | 18.00 | 33.5 | 8.0 | 97.13 | | |
| | 19.00 | 33.9 | 8.4 | 97.14 | | |
| | 20.00 | 34.3 | 8.7 | 97.15 | | |
| | 21.00 | 35.0 | 9.4 | 97.16 | | |
| | 22.00 | 34.9 | 9.4 | 97.17 | | |
| | 23.00 | 35.3 | 9.7 | 97.18 | | |
| | 24.00 | 35.7 | 10.1 | 97.19 | | |
| | 25.00 | 36.4 | 10.8 | 97.20 | | |
| | 26.00 | 36.5 | 11.0 | 97.21 | | |
| | 27.00 | 36.9 | 11.3 | 97.22 | | |
| | 28.00 | 37.3 | 11.7 | 97.23 | | |
| ****** End Flow 1 | 29.00 | 37.7 | 12.1 | 97.25 | | |
| ****** Start Shutin 1 | 0.00 | 37.7 | 0.0 | 97.25 | 0.0000 | 0.001 |
| | 1.00 | 51.7 | 14.0 | 97.26 | 30.0000 | 0.003 |
| | 2.00 | 103.5 | 65.9 | 97.28 | 15.5000 | 0.011 |
| | 3.00 | 227.1 | 189.4 | 97.29 | 10.6667 | 0.052 |
| | 4.00 | 369.2 | 331.6 | 97.31 | 8.2500 | 0.136 |
| | 5.00 | 476.5 | 438.8 | 97.34 | 6.8000 | 0.227 |
| | 6.00 | 547.3 | 509.7 | 97.37 | 5.8333 | 0.300 |
| | 7.00 | 595.4 | 557.7 | 97.40 | 5.1429 | 0.354 |
| | 8.00 | 629.1 | 591.4 | 97.43 | 4.6250 | 0.396 |
| | 9.00 | 655.0 | 617.3 | 97.47 | 4.2222 | 0.429 |
| | 10.00 | 675.2 | 637.6 | 97.48 | 3.9000 | 0.456 |
| | 11.00 | 692.0 | 654.4 | 97.51 | 3.6364 | 0.479 |
| | 12.00 | 706.6 | 669.0 | 97.54 | 3.4167 | 0.499 |
| | 13.00 | 719.4 | 681.7 | 97.56 | 3.2308 | 0.518 |
| | 14.00 | 730.4 | 692.8 | 97.59 | 3.0714 | 0.534 |
| | 15.00 | 740.2 | 702.6 | 97.61 | 2.9333 | 0.548 |
| | 16.00 | 749.1 | 711.4 | 97.63 | 2.8125 | 0.561 |
| | 17.00 | 757.2 | 719.5 | 97.65 | 2.7059 | 0.573 |
| | 18.00 | 764.5 | 726.8 | 97.68 | 2.6111 | 0.584 |
| | 19.00 | 771.2 | 733.5 | 97.69 | 2.5263 | 0.595 |

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 11222 DST #1 Bailey # 1-11 Robuck Petrol. Comp.

DATE: 03/25/98 TIME: 08:31:24

| | Time | Pressure PSIg | delta P PSIg | Temp. DEG F | (T+dT)/dT | P^2/10^6 |
|---|---|---|---|---|---|---|
| | 20.00 | 777.4 | 739.7 | 97.70 | 2.4500 | 0.604 |
| | 21.00 | 783.1 | 745.4 | 97.73 | 2.3810 | 0.613 |
| | 22.00 | 788.3 | 750.6 | 97.74 | 2.3182 | 0.621 |
| | 23.00 | 793.3 | 755.6 | 97.76 | 2.2609 | 0.629 |
| | 24.00 | 797.9 | 760.2 | 97.78 | 2.2083 | 0.637 |
| | 25.00 | 802.3 | 764.6 | 97.80 | 2.1600 | 0.644 |
| | 26.00 | 806.3 | 768.6 | 97.81 | 2.1154 | 0.650 |
| | 27.00 | 810.1 | 772.5 | 97.83 | 2.0741 | 0.656 |
| | 28.00 | 813.7 | 776.0 | 97.84 | 2.0357 | 0.662 |
| | 29.00 | 817.1 | 779.4 | 97.86 | 2.0000 | 0.668 |
| | 30.00 | 820.3 | 782.6 | 97.87 | 1.9667 | 0.673 |
| | 31.00 | 823.2 | 785.5 | 97.89 | 1.9355 | 0.678 |
| | 32.00 | 826.1 | 788.5 | 97.90 | 1.9062 | 0.683 |
| | 33.00 | 828.5 | 790.8 | 97.92 | 1.8788 | 0.686 |
| | 34.00 | 831.2 | 793.5 | 97.94 | 1.8529 | 0.691 |
| | 35.00 | 833.8 | 796.1 | 97.95 | 1.8286 | 0.695 |
| | 36.00 | 836.1 | 798.4 | 97.96 | 1.8056 | 0.699 |
| | 37.00 | 838.3 | 800.6 | 97.98 | 1.7838 | 0.703 |
| | 38.00 | 840.3 | 802.7 | 97.99 | 1.7632 | 0.706 |
| | 39.00 | 842.3 | 804.7 | 98.01 | 1.7436 | 0.710 |
| | 40.00 | 844.3 | 806.6 | 98.02 | 1.7250 | 0.713 |
| | 41.00 | 846.2 | 808.5 | 98.04 | 1.7073 | 0.716 |
| | 42.00 | 847.9 | 810.2 | 98.05 | 1.6905 | 0.719 |
| | 43.00 | 849.5 | 811.9 | 98.07 | 1.6744 | 0.722 |
| | 44.00 | 851.2 | 813.5 | 98.08 | 1.6591 | 0.724 |
| | 45.00 | 852.7 | 815.0 | 98.09 | 1.6444 | 0.727 |
| | 46.00 | 854.2 | 816.6 | 98.11 | 1.6304 | 0.730 |
| | 47.00 | 855.7 | 818.0 | 98.12 | 1.6170 | 0.732 |
| | 48.00 | 857.0 | 819.3 | 98.13 | 1.6042 | 0.734 |
| | 49.00 | 858.3 | 820.7 | 98.15 | 1.5918 | 0.737 |
| | 50.00 | 859.6 | 821.9 | 98.16 | 1.5800 | 0.739 |
| | 51.00 | 860.8 | 823.1 | 98.18 | 1.5686 | 0.741 |
| | 52.00 | 862.0 | 824.3 | 98.19 | 1.5577 | 0.743 |
| | 53.00 | 863.1 | 825.4 | 98.20 | 1.5472 | 0.745 |
| | 54.00 | 864.2 | 826.5 | 98.22 | 1.5370 | 0.747 |
| | 55.00 | 865.2 | 827.5 | 98.25 | 1.5273 | 0.749 |
| | 56.00 | 866.2 | 828.5 | 98.25 | 1.5179 | 0.750 |
| | 57.00 | 867.2 | 829.6 | 98.27 | 1.5088 | 0.752 |
| | 58.00 | 868.1 | 830.5 | 98.28 | 1.5000 | 0.754 |
| | 59.00 | 869.0 | 831.4 | 98.29 | 1.4915 | 0.755 |
| ****** End Shut-in 1 | 60.00 | 870.0 | 832.4 | 98.31 | 1.4833 | 0.757 |
| ****** Start Flow 2 | 0.00 | 39.1 | 0.0 | 98.31 | | |
| | 1.00 | 39.4 | 0.3 | 98.31 | | |
| | 2.00 | 39.8 | 0.7 | 98.30 | | |
| | 3.00 | 40.1 | 1.0 | 98.31 | | |
| | 4.00 | 40.3 | 1.2 | 98.31 | | |
| | 5.00 | 40.8 | 1.7 | 98.32 | | |
| | 6.00 | 41.0 | 1.9 | 98.34 | | |
| | 7.00 | 41.2 | 2.1 | 98.36 | | |
| | 8.00 | 41.5 | 2.4 | 98.38 | | |
| | 9.00 | 41.9 | 2.8 | 98.40 | | |

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 11222 DST #1 Bailey # 1-11 Robuck Petrol. Comp.

DATE: 03/25/98 TIME: 08:31:24

| | Time | Pressure PSIg | delta P PSIg | Temp. DEG F | (T+dT)/dT | P^2/10^6 |
|---|---|---|---|---|---|---|
| | 10.00 | 41.9 | 2.8 | 98.43 | | |
| | 11.00 | 41.9 | 2.8 | 98.46 | | |
| | 12.00 | 42.0 | 2.9 | 98.48 | | |
| | 13.00 | 42.3 | 3.2 | 98.50 | | |
| | 14.00 | 42.6 | 3.5 | 98.53 | | |
| | 15.00 | 42.8 | 3.7 | 98.55 | | |
| | 16.00 | 43.1 | 4.0 | 98.57 | | |
| | 17.00 | 43.3 | 4.3 | 98.60 | | |
| | 18.00 | 43.5 | 4.4 | 98.62 | | |
| | 19.00 | 43.8 | 4.7 | 98.64 | | |
| | 20.00 | 44.0 | 4.9 | 98.65 | | |
| | 21.00 | 44.2 | 5.1 | 98.67 | | |
| | 22.00 | 44.6 | 5.5 | 98.69 | | |
| | 23.00 | 44.6 | 5.5 | 98.72 | | |
| | 24.00 | 44.8 | 5.7 | 98.73 | | |
| | 25.00 | 45.0 | 5.9 | 98.74 | | |
| | 26.00 | 45.3 | 6.2 | 98.76 | | |
| | 27.00 | 45.5 | 6.4 | 98.78 | | |
| | 28.00 | 45.7 | 6.7 | 98.80 | | |
| | 29.00 | 45.8 | 6.8 | 98.82 | | |
| | 30.00 | 46.0 | 6.9 | 98.83 | | |
| | 31.00 | 46.1 | 7.1 | 98.86 | | |
| | 32.00 | 46.3 | 7.3 | 98.87 | | |
| | 33.00 | 46.7 | 7.7 | 98.89 | | |
| | 34.00 | 46.9 | 7.8 | 98.91 | | |
| | 35.00 | 47.1 | 8.0 | 98.92 | | |
| | 36.00 | 47.3 | 8.3 | 98.94 | | |
| | 37.00 | 47.7 | 8.6 | 98.96 | | |
| | 38.00 | 47.7 | 8.7 | 98.98 | | |
| | 39.00 | 48.0 | 8.9 | 98.99 | | |
| | 40.00 | 48.1 | 9.0 | 99.01 | | |
| | 41.00 | 48.3 | 9.2 | 99.03 | | |
| | 42.00 | 48.4 | 9.4 | 99.05 | | |
| | 43.00 | 48.8 | 9.7 | 99.06 | | |
| | 44.00 | 48.7 | 9.7 | 99.08 | | |
| | 45.00 | 49.1 | 10.1 | 99.11 | | |
| | 46.00 | 49.4 | 10.3 | 99.12 | | |
| | 47.00 | 49.4 | 10.3 | 99.13 | | |
| | 48.00 | 49.6 | 10.5 | 99.16 | | |
| | 49.00 | 49.9 | 10.8 | 99.17 | | |
| | 50.00 | 50.2 | 11.1 | 99.19 | | |
| | 51.00 | 50.5 | 11.5 | 99.21 | | |
| | 52.00 | 50.6 | 11.5 | 99.22 | | |
| | 53.00 | 50.9 | 11.8 | 99.23 | | |
| | 54.00 | 51.3 | 12.2 | 99.25 | | |
| | 55.00 | 51.6 | 12.5 | 99.27 | | |
| | 56.00 | 51.8 | 12.7 | 99.29 | | |
| | 57.00 | 52.0 | 12.9 | 99.30 | | |
| | 58.00 | 52.3 | 13.2 | 99.32 | | |
| ****** End Flow 2 | 59.00 | 52.6 | 13.5 | 99.34 | | |
| ****** Start Shutin 2 | 0.00 | 52.6 | 0.0 | 99.34 | 0.0000 | 0.003 |

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 11222 DST #1 Bailey # 1-11 Robuck Petrol. Comp.

DATE: 03/25/98 TIME: 08:31:24

| Time | Pressure PSIg | delta P PSIg | Temp. DEG F | (T+dT)/dT | P^2/10^6 |
|---|---|---|---|---|---|
| 1.00 | 62.5 | 9.9 | 99.35 | 89.0000 | 0.004 |
| 2.00 | 83.4 | 30.8 | 99.37 | 45.0000 | 0.007 |
| 3.00 | 116.6 | 64.0 | 99.38 | 30.3333 | 0.014 |
| 4.00 | 170.1 | 117.5 | 99.40 | 23.0000 | 0.029 |
| 5.00 | 248.5 | 195.9 | 99.42 | 18.6000 | 0.062 |
| 6.00 | 336.2 | 283.6 | 99.44 | 15.6667 | 0.113 |
| 7.00 | 417.7 | 365.1 | 99.47 | 13.5714 | 0.174 |
| 8.00 | 482.9 | 430.3 | 99.49 | 12.0000 | 0.233 |
| 9.00 | 531.2 | 478.6 | 99.52 | 10.7778 | 0.282 |
| 10.00 | 566.8 | 514.2 | 99.54 | 9.8000 | 0.321 |
| 11.00 | 594.1 | 541.5 | 99.56 | 9.0000 | 0.353 |
| 12.00 | 615.5 | 562.9 | 99.59 | 8.3333 | 0.379 |
| 13.00 | 633.0 | 580.4 | 99.61 | 7.7692 | 0.401 |
| 14.00 | 647.7 | 595.1 | 99.63 | 7.2857 | 0.419 |
| 15.00 | 660.4 | 607.8 | 99.64 | 6.8667 | 0.436 |
| 16.00 | 671.6 | 619.0 | 99.67 | 6.5000 | 0.451 |
| 17.00 | 681.7 | 629.1 | 99.68 | 6.1765 | 0.465 |
| 18.00 | 690.7 | 638.1 | 99.71 | 5.8889 | 0.477 |
| 19.00 | 699.0 | 646.4 | 99.72 | 5.6316 | 0.489 |
| 20.00 | 706.7 | 654.1 | 99.74 | 5.4000 | 0.499 |
| 21.00 | 714.0 | 661.3 | 99.75 | 5.1905 | 0.510 |
| 22.00 | 720.8 | 668.2 | 99.77 | 5.0000 | 0.520 |
| 23.00 | 727.4 | 674.8 | 99.78 | 4.8261 | 0.529 |
| 24.00 | 733.5 | 680.9 | 99.79 | 4.6667 | 0.538 |
| 25.00 | 739.1 | 686.5 | 99.81 | 4.5200 | 0.546 |
| 26.00 | 744.3 | 691.6 | 99.82 | 4.3846 | 0.554 |
| 27.00 | 749.0 | 696.4 | 99.83 | 4.2593 | 0.561 |
| 28.00 | 753.6 | 701.0 | 99.84 | 4.1429 | 0.568 |
| 29.00 | 757.8 | 705.2 | 99.86 | 4.0345 | 0.574 |
| 30.00 | 761.8 | 709.2 | 99.87 | 3.9333 | 0.580 |
| 31.00 | 765.5 | 712.8 | 99.88 | 3.8387 | 0.586 |
| 32.00 | 769.0 | 716.4 | 99.89 | 3.7500 | 0.591 |
| 33.00 | 772.4 | 719.8 | 99.91 | 3.6667 | 0.597 |
| 34.00 | 775.6 | 723.0 | 99.92 | 3.5882 | 0.602 |
| 35.00 | 778.7 | 726.0 | 99.91 | 3.5143 | 0.606 |
| 36.00 | 781.6 | 729.0 | 99.93 | 3.4444 | 0.611 |
| 37.00 | 784.3 | 731.7 | 99.94 | 3.3784 | 0.615 |
| 38.00 | 786.9 | 734.3 | 99.96 | 3.3158 | 0.619 |
| 39.00 | 789.5 | 736.9 | 99.97 | 3.2564 | 0.623 |
| 40.00 | 791.8 | 739.2 | 99.98 | 3.2000 | 0.627 |
| 41.00 | 794.1 | 741.5 | 99.99 | 3.1463 | 0.631 |
| 42.00 | 796.3 | 743.7 | 100.00 | 3.0952 | 0.634 |
| 43.00 | 798.5 | 745.9 | 100.01 | 3.0465 | 0.638 |
| 44.00 | 800.4 | 747.8 | 100.02 | 3.0000 | 0.641 |
| 45.00 | 802.3 | 749.7 | 100.04 | 2.9556 | 0.644 |
| 46.00 | 804.2 | 751.6 | 100.04 | 2.9130 | 0.647 |
| 47.00 | 806.1 | 753.5 | 100.06 | 2.8723 | 0.650 |
| 48.00 | 807.8 | 755.2 | 100.07 | 2.8333 | 0.653 |
| 49.00 | 809.3 | 756.7 | 100.07 | 2.7959 | 0.655 |
| 50.00 | 811.0 | 758.4 | 100.10 | 2.7600 | 0.658 |
| 51.00 | 812.5 | 759.9 | 100.10 | 2.7255 | 0.660 |

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 11222 DST #1 Bailey # 1-11 Robuck Petrol. Comp.

DATE: 03/25/98 TIME: 08:31:24

| | Time | Pressure PSIg | delta P PSIg | Temp. DEG F | (T+dT)/dT | P^2/10^6 |
|---|---|---|---|---|---|---|
| | 52.00 | 814.1 | 761.4 | 100.12 | 2.6923 | 0.663 |
| | 53.00 | 815.4 | 762.8 | 100.12 | 2.6604 | 0.665 |
| | 54.00 | 816.9 | 764.3 | 100.14 | 2.6296 | 0.667 |
| | 55.00 | 818.2 | 765.6 | 100.13 | 2.6000 | 0.669 |
| | 56.00 | 819.5 | 766.9 | 100.16 | 2.5714 | 0.672 |
| | 57.00 | 820.7 | 768.1 | 100.17 | 2.5439 | 0.674 |
| | 58.00 | 822.0 | 769.4 | 100.18 | 2.5172 | 0.676 |
| | 59.00 | 823.2 | 770.6 | 100.19 | 2.4915 | 0.678 |
| | 60.00 | 824.3 | 771.7 | 100.21 | 2.4667 | 0.680 |
| ****** End Shut-in 2 | 61.00 | 825.3 | 772.7 | 100.21 | 2.4426 | 0.681 |
| ****** Final Hydro. | 318.00 | 1667.0 | 0.0 | 100.28 | | |

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

№ 11222

Well Name & No. Bailey #1-11 Test No. 1 Date 3-25-98

Company Rebuck Petrol Corp. Zone Tested L-KC

Address 1801 Broadway Suite 750 Denver Colo. 80202 Elevation 2658' KB 2663' GL

Co. Rep / Geo. Ron Nelson. Cont. Murfin #3 Est. Ft. of Pay ____ Por. ____ %

Location: Sec. 11 Twp. 2 Rge. 27 Co. Decatur State KS

No. of Copies Nun Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N) ____

Interval Tested 3538' 3576' Initial Str Wt./Lbs. 60,000 Unseated Str Wt./Lbs. 60,000

Anchor Length 38' Wt. Set Lbs. 28,000 Wt. Pulled Loose/Lbs. 75,000

Top Packer Depth 3533' Tool Weight 4,000

Bottom Packer Depth 3538' Hole Size — 7 7/8" — Rubber Size — 6 3/4" —

Total Depth 3576' Wt. Pipe Run — Drill Collar Run 479'

Mud Wt. 9.0 LCM Tr Vis. 48 WL 6.4 Drill Pipe Size 4 1/2 XH Ft. Run 3052'

Blow Description 1/4" in @ open Slow build to a weak 3/4" in.

I.S.I.: No return

F.F.: Bubble to open tool — No blow

F.S.I.: No return.

Recovery — Total Feet 60 GIP — Ft. in DC 60' Ft. in DP —

Rec. 60' Feet Of Sl. oil & Water Cut Drlg Mud %gas %oil 15 %water 85 %mud

Rec. ____ Feet Of (oil specs on top) %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 100° °F Gravity ____ °API D@ ____ °F Corrected Gravity ____ °API

RW .28 @ 77 °F Chlorides 21,000 ppm Recovery Chlorides 1,000 ppm System

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| (A) Initial Hydrostatic Mud | 1713 | 1721 | PSI | Recorder No. | 2346 | T-Started | 09:45 AM |
| (B) First Initial Flow Pressure | 77 | 25 | PSI | (depth) | 3539 | T-Open | 11:30 AM. |
| (C) First Final Flow Pressure | 66 | 37 | PSI | Recorder No. | 11058 | T-Pulled | 15:00 P.M. |
| (D) Initial Shut-in Pressure | 884 | 870 | PSI | (depth) | 3573 | T-Out | 16:40 P.M. |
| (E) Second Initial Flow Pressure | 77 | 39 | PSI | Recorder No. | | | |
| (F) Second Final Flow Pressure | 66 | 52 | PSI | (depth) | | | |
| (G) Final Shut-in Pressure | 816 | 825 | PSI | Initial Opening | 30 | Test | X |
| (H) Final Hydrostatic Mud | 1690 | 1667 | PSI | Initial Shut-in | 60 | Jars | X |
| | AK-1 | Alpine | | Final Flow | 60 | Safety Joint | X |
| | | | | Final Shut-in | 60 | Straddle | ____ |
| | | | | | | Circ. Sub | X N/C |
| | | | | | | Sampler | ____ |
| | | | | | | Extra Packer | ____ |
| | | | | | | Elect. Rec. | X |
| | | | | | | Other | ____ |
| | | | | | | TOTAL PRICE $ | ____ |

TRILOBIITE TESTING L.L.C. 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 ____

Our Representative ____