

PR 88-97



HALLIBURTON SERVICES

TICKET NO. 32840000
20-SEP-88
MDDMBA

WELL CLOSED IN
MDDMBA

DEPT OF MINES & ENERGY
DO NOT REMOVE



P00843

FORMATION TESTING SERVICE REPORT

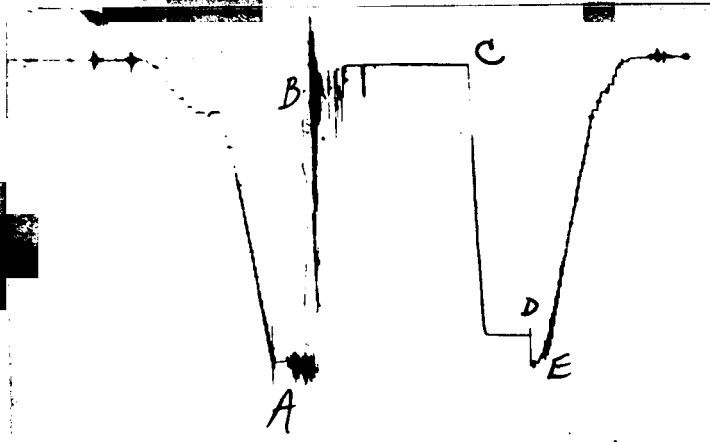
| | | | | | | | | |
|---------------------|-------------|------------|---|----------|-----------------|-----------------|--------------------------|---------------|
| MEMBER | 2A | WELL NO. | 1 | TEST NO. | 3333.3 - 3425.0 | TESTED INTERVAL | LEASE OWNER/COMPANY NAME | SRANTOS LTD. |
| LEGAL LOCATION | SEE REMARKS | FIELD AREA | | | | | COUNTRY | WESTERN AUST. |
| LEASE NAME | | | | | | | STATE | AUSTRALIA |
| SEC. - TWP. - RANG. | | | | | | | | SM |



328400-2043

GAUGE NO: 2043 DEPTH: 3289.7 BLANKED OFF: NO HOUR OF CLOCK: 24

| ID | DESCRIPTION | PRESSURE | | TIME | | TYPE |
|----|-------------------------|----------|------------|----------|------------|------|
| | | REPORTED | CALCULATED | REPORTED | CALCULATED | |
| A | INITIAL HYDROSTATIC | | | | | |
| B | INITIAL FIRST FLOW | | | 165.0 | | F |
| C | FINAL FIRST FLOW | | | | | |
| C | INITIAL FIRST CLOSED-IN | | | 61.0 | | C |
| D | FINAL FIRST CLOSED-IN | | | | | |
| E | FINAL HYDROSTATIC | | | | | |



328400. 1040

GAUGE NO: 1040 DEPTH: 3310.7 BLANKED OFF: NO HOUR OF CLOCK: 24

| ID | DESCRIPTION | PRESSURE | | TIME | | TYPE |
|----|-------------------------|----------|------------|----------|------------|------|
| | | REPORTED | CALCULATED | REPORTED | CALCULATED | |
| A | INITIAL HYDROSTATIC | 1571 | 1575.5 | | | |
| B | INITIAL FIRST FLOW | 43 | 98.8 | | | |
| C | FINAL FIRST FLOW | 43 | 36.9 | 165.0 | 164.4 | F |
| C | INITIAL FIRST CLOSED-IN | 43 | 36.9 | | | |
| D | FINAL FIRST CLOSED-IN | 1441 | 1428.0 | 61.0 | 61.6 | C |
| E | FINAL HYDROSTATIC | 1571 | 1566.8 | | | |

328400-8510

GAUGE NO: 8510 DEPTH: 3422.0 BLANKED OFF: YES HOUR OF CLOCK: 24

| ID | DESCRIPTION | PRESSURE | | TIME | | TYPE |
|----|-------------------------|----------|------------|----------|------------|------|
| | | REPORTED | CALCULATED | REPORTED | CALCULATED | |
| A | INITIAL HYDROSTATIC | 1607 | 1609.6 | | | |
| B | INITIAL FIRST FLOW | | 1530.2 | | | |
| C | FINAL FIRST FLOW | | 763.2 | 165.0 | 164.4 | F |
| C | INITIAL FIRST CLOSED-IN | | 763.2 | | | |
| D | FINAL FIRST CLOSED-IN | 1463 | 1467.3 | 61.0 | 61.6 | C |
| E | FINAL HYDROSTATIC | 1607 | 1607.7 | | | |

EQUIPMENT & HOLE DATA

FORMATION TESTED: SEPHMUS
 NET PAY (ft): _____
 GROSS TESTED FOOTAGE: 91.7
 ALL DEPTHS MEASURED FROM: KELLY BUSHING
 CASING PERFS. (ft): _____
 HOLE OR CASING SIZE (in): 8.500
 ELEVATION (ft): 59.0
 TOTAL DEPTH (ft): 3425.0
 PACKER DEPTH(S) (ft): 3325, 3333
 FINAL SURFACE CHOKE (in): 0.50000
 BOTTOM HOLE CHOKE (in): 0.750
 MUD WEIGHT (lb/gal): 9.20
 MUD VISCOSITY (sec): 42
 ESTIMATED HOLE TEMP. (°F): _____
 ACTUAL HOLE TEMP. (°F): 150 @ 3421.0 ft

TICKET NUMBER: 32840000

DATE: 9-1-88 TEST NO: 1

TYPE DST: OPEN HOLE

HALLIBURTON CAMP:
MOOMBA

TESTER: BRENT HOOVER

WITNESS: WILKINSON

DRILLING CONTRACTOR:
ATCO DRILLING RIG #2

FLUID PROPERTIES FOR RECOVERED MUD & WATER

| SOURCE | RESISTIVITY | CHLORIDES |
|--------|------------------|-----------|
| _____ | _____ @ _____ °F | _____ ppm |
| _____ | _____ @ _____ °F | _____ ppm |
| _____ | _____ @ _____ °F | _____ ppm |
| _____ | _____ @ _____ °F | _____ ppm |
| _____ | _____ @ _____ °F | _____ ppm |
| _____ | _____ @ _____ °F | _____ ppm |

SAMPLER DATA

Psig AT SURFACE: _____
 cu.ft. OF GAS: _____
 cc OF OIL: _____
 cc OF WATER: _____
 cc OF MUD: _____
 TOTAL LIQUID cc: _____

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): _____ @ _____ °F
 GAS/OIL RATIO (cu.ft. per bbl): _____
 GAS GRAVITY: _____

CUSHION DATA

TYPE AMOUNT WEIGHT

RECOVERED :

58 FEET OF RAT HOLE MUD

MEASURED FROM
TESTER VALVE

REMARKS :

LEGAL LOCATION: LAT. 15 DEG 20' 51.5"
 LONG. 128 DEG 06' 29.6"

- 1) NOTE: THERE WAS NO INDICATION THAT TOOL WAS BLOCKED. ANCHOR PIPE, HYDROSPRING AND DCIP WERE FOUND TO BE CLEAR WHILE BEING SERVICED.
- 2) CHARTS INDICATE SEVERE PLUGGING OF ANCHOR PERFORATIONS DURING THE FLOW PERIOD.
- 3) NO AVAILABLE READINGS FROM GAUGE # 2043 DUE TO STYLUS NOT BEING ENGAGED.

TYPE & SIZE MEASURING DEVICE :

.5" CERAMIC CHOKE

TICKET NO: 32840000

| TIME | CHOKE SIZE | SURFACE PRESSURE PSI | GAS RATE MCF | LIQUID RATE BPD | REMARKS |
|--------|------------|----------------------|--------------|-----------------|---|
| 9-1-88 | | | | | |
| 0925 | | | | | STARTED MAKING UP TOOLS |
| 1100 | | | | | TOOL IN HOLE |
| 1305 | | | | | WORKED LAST 26' TO BOTTOM |
| 1325 | | | | | RIGGED UP CHICKSANS AND FLOOR MANIFOLD |
| | | | | | STRING WEIGHT 68,000# |
| 1337 | | | | | SET WEIGHT ON TOOL, 35,000# |
| 1345 | .5 | 0 | | | TOOL OPENED WITH WEAK BLOW |
| 1350 | | | | | WEAK BLOW |
| 1353 | | | | | SLIGHT INCREASE, WEAK BLOW |
| 1400 | | | | | INTERMITTENT WEAK BLOW |
| 1410 | | | | | INTERMITTENT WEAK BLOW |
| 1420 | | | | | INTERMITTENT WEAK BLOW |
| 1430 | | | | | INTERMITTENT WEAK BLOW |
| 1450 | | | | | INTERMITTENT WEAK BLOW |
| 1500 | | | | | INTERMITTENT WEAK BLOW |
| 1501 | | | | | GAS TO THE SURFACE, STEADY WEAK BLOW |
| 1505 | | | | | GAS TO THE SURFACE, STEADY WEAK BLOW |
| 1510 | | | | | SLIGHT INCREASE, STEADY WEAK BLOW |
| 1520 | | | | | WEAK BLOW |
| 1530 | | | | | WEAK BLOW |
| 1540 | | | | | SLIGHT DECREASE, WEAK BLOW, GAS TO THE SURFACE |
| 1550 | | | | | SLIGHT INCREASE, WEAK BLOW GAS TO THE SURFACE |
| 1600 | | | | | STEADY WEAK BLOW |
| 1615 | | | | | STEADY WEAK BLOW |
| 1630 | | | | | CLOSED TOOL |
| 1731 | | | | | PULLED FREE, OK... |
| 1930 | | | | | TOOL OUT OF THE HOLE |
| 1933 | | | | | STARTED BREAKING OUT TOOLS |
| 110 | | | | | TOOL LAID OUT |

TICKET NO: 32840000



GAUGE NO: 1040

CLOCK NO: 7499 HOUR: 24

DEPTH: 3310.7

| REF | MINUTES | PRESSURE | ΔP | $\frac{t \times \Delta t}{t + \Delta t}$ | $\log \frac{t + \Delta t}{\Delta t}$ |
|------------|---------|----------|-------|--|--------------------------------------|
| FIRST FLOW | | | | | |
| B | 1 | 0.0 | 98.8 | | |
| 1 | 2 | 10.0 | 155.0 | 56.2 | |
| 1 | 3 | 20.0 | 144.8 | -10.2 | |
| 1 | 4 | 30.0 | 60.7 | -84.1 | |
| | 5 | 40.0 | 33.7 | -26.9 | |
| | 6 | 50.0 | 33.7 | 0.0 | |
| | 7 | 60.0 | 32.0 | -1.7 | |
| | 8 | 70.0 | 30.7 | -1.3 | |
| | 9 | 80.0 | 29.8 | -0.9 | |
| | 10 | 90.0 | 29.8 | 0.0 | |
| | 11 | 100.0 | 30.7 | 0.9 | |
| | 12 | 110.0 | 30.7 | 0.0 | |
| | 13 | 120.0 | 31.7 | 1.0 | |
| | 14 | 130.0 | 32.6 | 0.9 | |
| | 15 | 140.0 | 33.3 | 0.7 | |
| | 16 | 150.0 | 34.1 | 0.9 | |
| | 17 | 160.0 | 35.4 | 1.3 | |
| C | 18 | 164.4 | 36.9 | 1.4 | |

| REF | MINUTES | PRESSURE | ΔP | $\frac{t \times \Delta t}{t + \Delta t}$ | $\log \frac{t + \Delta t}{\Delta t}$ |
|-----------------|---------|----------|--------|--|--------------------------------------|
| FIRST CLOSED-IN | | | | | |
| C | 1 | 0.0 | 36.9 | | |
| | 2 | 1.0 | 216.9 | 180.0 | 1.0 2.220 |
| | 3 | 2.0 | 306.3 | 269.5 | 2.0 1.915 |
| | 4 | 3.0 | 422.5 | 385.6 | 3.0 1.740 |
| | 5 | 4.0 | 590.5 | 553.6 | 3.9 1.622 |
| | 6 | 5.0 | 731.6 | 694.7 | 4.9 1.529 |
| | 7 | 6.0 | 836.8 | 799.9 | 5.8 1.453 |
| | 8 | 7.0 | 958.6 | 921.7 | 6.7 1.387 |
| | 9 | 8.0 | 1003.0 | 966.1 | 7.6 1.333 |
| | 10 | 9.0 | 1068.2 | 1031.3 | 8.5 1.286 |
| | 11 | 10.0 | 1152.6 | 1115.7 | 9.5 1.240 |
| | 12 | 12.0 | 1328.8 | 1291.9 | 11.2 1.168 |
| | 13 | 14.0 | 1411.3 | 1374.4 | 12.9 1.106 |
| | 14 | 16.0 | 1421.5 | 1384.6 | 14.6 1.053 |
| | 15 | 18.0 | 1423.7 | 1386.8 | 16.2 1.005 |
| | 16 | 20.0 | 1424.9 | 1388.0 | 17.8 0.965 |
| | 17 | 22.0 | 1425.6 | 1388.7 | 19.4 0.928 |
| | 18 | 24.0 | 1426.3 | 1389.4 | 20.9 0.896 |
| | 19 | 26.0 | 1426.3 | 1389.4 | 22.4 0.865 |
| | 20 | 28.0 | 1426.3 | 1389.4 | 23.9 0.837 |
| | 21 | 30.0 | 1426.3 | 1389.4 | 25.3 0.812 |
| | 22 | 35.0 | 1427.6 | 1390.7 | 28.8 0.756 |
| | 23 | 40.0 | 1427.9 | 1391.0 | 32.2 0.708 |
| | 24 | 45.0 | 1427.9 | 1391.0 | 35.3 0.668 |
| | 25 | 50.0 | 1429.0 | 1392.2 | 38.4 0.632 |
| | 26 | 55.0 | 1429.2 | 1392.3 | 41.2 0.601 |
|) | 27 | 61.6 | 1428.0 | 1391.1 | 44.8 0.565 |

EGEND:

1] READING QUEST. DUE TO PLUGGING

EMARKS:

TICKET NO: 32840000
 CLOCK NO: 7773 HOUR: 24





























GAUGE NO: 8510
 DEPTH: 3422.0

| REF | MINUTES | PRESSURE | AP | $\frac{t \times \Delta t}{t + \Delta t}$ | $\log \frac{t + \Delta t}{\Delta t}$ |
|-----------------|---------|----------|--------|--|--------------------------------------|
| FIRST FLOW | | | | | |
| B 1 | 0.0 | 1530.2 | | | |
| C 2 | 164.4 | 763.2 | -767.0 | | |
| FIRST CLOSED-IN | | | | | |
| C 1 | 0.0 | 763.2 | | | |
| 2 | 1.0 | 889.5 | 126.2 | 1.0 | 2.204 |
| 3 | 2.0 | 979.9 | 216.6 | 2.0 | 1.911 |
| 4 | 3.0 | 1041.8 | 278.5 | 2.9 | 1.753 |
| 5 | 4.0 | 1103.0 | 339.8 | 3.9 | 1.625 |
| 6 | 5.0 | 1152.2 | 389.0 | 4.8 | 1.533 |
| 7 | 6.0 | 1202.6 | 439.4 | 5.8 | 1.451 |
| 8 | 7.0 | 1238.1 | 474.8 | 6.7 | 1.387 |
| 9 | 8.0 | 1280.0 | 516.7 | 7.6 | 1.336 |
| 10 | 9.0 | 1323.6 | 560.3 | 8.5 | 1.285 |
| 11 | 10.0 | 1338.5 | 575.2 | 9.4 | 1.242 |
| 12 | 12.0 | 1439.1 | 675.9 | 11.2 | 1.168 |
| 13 | 14.0 | 1460.2 | 697.0 | 12.9 | 1.104 |
| 14 | 16.0 | 1463.1 | 699.8 | 14.6 | 1.051 |
| 15 | 18.0 | 1464.3 | 701.0 | 16.2 | 1.006 |
| 16 | 20.0 | 1464.9 | 701.7 | 17.8 | 0.965 |
| 17 | 22.0 | 1465.2 | 701.9 | 19.4 | 0.928 |
| 18 | 24.0 | 1465.2 | 701.9 | 21.0 | 0.895 |
| 19 | 26.0 | 1465.2 | 701.9 | 22.4 | 0.865 |
| 20 | 28.0 | 1465.6 | 702.3 | 24.0 | 0.837 |
| 21 | 30.0 | 1465.6 | 702.3 | 25.4 | 0.812 |
| 22 | 35.0 | 1465.6 | 702.3 | 28.9 | 0.755 |
| 23 | 40.0 | 1466.0 | 702.7 | 32.2 | 0.709 |
| 24 | 45.0 | 1466.6 | 703.4 | 35.3 | 0.668 |
| 25 | 50.0 | 1466.8 | 703.5 | 38.4 | 0.632 |
| 26 | 55.0 | 1467.3 | 704.0 | 41.2 | 0.601 |
| D 27 | 61.6 | 1467.3 | 704.0 | 44.8 | 0.565 |

| REF | MINUTES | PRESSURE | AP | $\frac{t \times \Delta t}{t + \Delta t}$ | $\log \frac{t + \Delta t}{\Delta t}$ |
|--------------------|---------|----------|----|--|--------------------------------------|
| (Empty table area) | | | | | |

REMARKS:

(Empty space for remarks)

| | | O.D. | I.D. | LENGTH | DEPTH | |
|-------------|--|-------------------------------|-------|--------|--------|--------|
| 1 |  | DRILL PIPE..... | 4.500 | 3.826 | 2757.8 | |
| 4 |  | FLEX WEIGHT..... | 4.500 | 2.764 | 123.3 | |
| 3 |  | DRILL COLLARS..... | 6.500 | 2.813 | 344.0 | |
| 50 |  | IMPACT REVERSING SUB..... | 6.000 | 3.000 | 1.0 | 3225.0 |
| 3 |  | DRILL COLLARS..... | 6.500 | 2.813 | 31.4 | |
| 50 |  | IMPACT REVERSING SUB..... | 6.000 | 3.000 | 1.0 | 3256.4 |
| 3 |  | DRILL COLLARS..... | 6.500 | 2.813 | 31.6 | |
| 158 |  | BAR CATCHER SUB..... | 5.750 | 1.120 | 1.0 | 3288.0 |
| 10 |  | AP RUNNING CASE..... | 5.000 | 2.250 | 4.1 | 3289.7 |
| 1 |  | CROSSOVER..... | 5.000 | 2.200 | 1.0 | |
| .2 |  | DUAL CIP VALVE..... | 5.000 | 0.870 | 4.9 | |
| 102 |  | SAMPLE CHAMBER..... | 5.000 | 2.500 | 4.9 | |
| 13 |  | DRAIN VALVE..... | 5.000 | 2.200 | 0.9 | |
| 10 |  | HYDRSPRING TESTER..... | 5.000 | 0.750 | 5.3 | 3308.0 |
| 10 |  | AP RUNNING CASE..... | 5.000 | 2.250 | 4.1 | 3310.7 |
| 5 |  | JAR..... | 5.000 | 1.750 | 5.0 | |
| 6 |  | VR SAFETY JOINT..... | 5.000 | 1.000 | 2.8 | |
| 0 |  | OPEN HOLE PACKER..... | 6.000 | 1.530 | 5.8 | 3325.5 |
| 8 |  | DISTRIBUTOR VALVE..... | 5.000 | 1.680 | 2.0 | |
| 0 |  | OPEN HOLE PACKER..... | 6.000 | 1.530 | 5.8 | 3333.3 |
| 9 |  | ANCHOR PIPE SAFETY JOINT..... | 6.000 | 1.500 | 4.3 | |
| 0 |  | FLUSH JOINT ANCHOR..... | 5.000 | 2.370 | 17.0 | |
| |  | CROSSOVER..... | 6.000 | 3.000 | 1.0 | |
| |  | DRILL COLLARS..... | 6.500 | 2.813 | 62.6 | |
| |  | CROSSOVER..... | 6.000 | 3.000 | 1.0 | |
| 1 |  | BLANKED-OFF RUNNING CASE..... | 5.000 | | 4.1 | 3422.0 |
| TOTAL DEPTH | | | | | | 3425.0 |

EQUIPMENT DATA