

WELL NAME 2/7-13 AREA NORTH SEA
 OPERATOR PHILLIPS PETROLEUM RIG DYVI BETA
 ENGINEERS ASBJØRNSEN, BLANCHARD, CLEMENT, ÅRSETH, VIGEN

Drilling Fluid & Material Consumption Report

DRILLING SYSTEM SPUD MUD + DRISPAC SEAWATER

| DATE | ESTIMATED DAILY MUD VOLUMES | | | BULK MATERIALS | | | SACK MATERIALS | | | MATERIALS ADDED TO CONTROL PROPERTIES | | | | | | | | | | | | | | | | | | | | |
|------------------|-----------------------------|----------------|------------------|----------------|-------------------|--------------|-----------------|---------|----------|---------------------------------------|-----------------|-----------------|----------|--|--|------|----------|--------|------|--|--|--|--|--|--|----|----|-----|----|--|
| | LOSS/SUB SURFACE | LOSSES SURFACE | VOLUME MUD BUILT | BARITE | BENTONITE | CAUSTIC SODA | LIGNO-SULFONATE | LIGNITE | THINNERS | | DRISPAC REGULAR | DRISPAC SUPERLO | POLYMERS | | | | OTHERS | | | | | | | | | | | | | |
| | | | | | | | | | DESCO | | | | | | | LIME | SODA ASH | FLOSAL | MICA | | | | | | | | | | | |
| 31.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.2 | | | 750 | | 165 | 6 | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. | | 400 | 400 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. | | 461 | 700 | | 73 | 9 | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. | | 1260 | 421 | | 34 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. | | 150 | 1320 | | | 14 | | | | | 42 | | | | | | | | | | | | | | | | | | | |
| 7. | | 20 | 260 | | | 9 | | | | | 24 | | | | | | | | | | | | | | | | | | | |
| 8. | | 100 | 350 | | | 6 | | | | | 14 | | | | | | | | | | | | | | | | | | | |
| 9. | | 275 | | | NO MATERIALS USED | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10. | 67 | 110 | 450 | | | 23 | | | | | 41 | 2 | | | | | | | | | | | | | | 20 | 57 | | | |
| 11. | | 25 | 350 | 100 | 30 | 31 | | | | | 19 | 7 | | | | | | | | | | | | | | | | | | |
| 12. | | | 485 | | | 39 | | | | | 3 | 17 | | | | | | | | | | | | | | | | | | |
| 13. | | 176 | 250 | 1345 | | 36 | | 8 | | | 3 | 17 | | | | | | | | | | | | | | | | | | |
| FORWARD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ESTIMATED TOTALS | 67 | 2977 | 5736 | 1445 | 302 | 173 | | 8 | | 70 | 146 | 43 | | | | | | | | | | | | | | 30 | 13 | 178 | 82 | |

REMARKS: * Mixed new Drispac mud.



ANCHOR DRILLING FLUIDS AS

OSLO - STAVANGER

WELL NAME 2/7-13 AREA NORTH SEA
 OPERATOR PHILLIPS PETROLEUM RIG DYVI BETA
 ENGINEERS ASBJØRNSEN, BLANCHARD, CLEMENT, ÅRSETH, VIGEN

Drilling Fluid & Material Consumption Report

MUD SYSTEM DRISPAC/SEAWATER

| Day No | DATE | ESTIMATED DAILY MUD VOLUMES | | | BULK MATERIALS | | SACK MATERIALS | | | | MATERIALS ADDED TO CONTROL PROPERTIES | | | | | | | | | | | | | | | | | |
|------------------|------|-----------------------------|----------------|------------------|----------------|-----------|----------------|-------|-----------------|---------|---------------------------------------|-------|-----------------|-----------------|----------|------|----------|--------|------|--------------|--------|--|--|--|--|--|--|--|
| | | LOSSES SUB SURFACE | LOSSES SURFACE | VOLUME MUD BUILT | BARITE | BENTONITE | CAUSTIC SODA | IDFLO | LIGNO-SULFONATE | LIGNITE | THINNERS | DESCO | DRISPAC REGULAR | DRISPAC SUPERLO | POLYMERS | LIME | SODA ASH | FLOSAL | MICA | AL. STEARATE | OTHERS | | | | | | | |
| 15 | 14. | | 111 | 319 | 508 | | 39 | 15 | | 58 | | | 6 | | | | | | | | | | | | | | | |
| 16 | 15. | | 80 | 43 | 2536 | | 12 | 8 | | 6 | | | 1 | | | | | | | | | | | | | | | |
| 17 | 16. | 100 | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| 18 | 17. | 90 | | 332 | | | 6 | 14 | | | END OF 17 1/2" / 13-3/8" SECTION | | | | | | | | | | | | | | | | | |
| 19 | 18. | | 726 | 100 | | | 10 | | | | | 20 | | | | | | | | | | | | | | | | |
| 20 | 19. | | 400 | 479 | 824 | | 6 | 3 | | 22 | | 20 | | | | 3 | | | | | | | | | | | | |
| 21 | 20. | | 349 | 100 | 1763 | | 11 | 35 | | 48 | | | 16 | | | | | | | | | | | | | | | |
| 22 | 21. | | 132 | 280 | 1102 | | 21 | 8 | | 49 | | 9 | 10 | | | | | | | | 29 | | | | | | | |
| 23 | 22. | | 232 | 75 | 330 | | 19 | 4 | | 51 | | | 10 | | | | | | | | 18 | | | | | | | |
| 24 | 23. | | 300 | 450 | 2203 | | 25 | 46 | | 19 | | 5 | 6 | | | | | | | | 22 | | | | | | | |
| 25 | 24. | | 290 | 276 | 749 | | 25 | 7 | | 29 | | | 9 | | | | | | | | 19 | | | | | | | |
| 26 | 25. | | 136 | 250 | 1322 | | 32 | 47 | | 64 | | | 11 | | | | | | | | 24 | | | | | | | |
| 27 | 26. | | 80 | 265 | 704 | | 8 | 35 | 14 | 52 | | | 10 | | | | | | | | 14 | | | | | | | |
| 28 | 27. | 250 | 50 | 215 | 902 | | 22 | 33 | | 25 | | | 5 | | | | | | | | 114 | | | | | | | |
| FORWARD | | 67 | 2977 | 5736 | 1445 | 302 | 173 | 8 | | 70 | | 146 | 43 | | | | 30 | 13 | 178 | 82 | 1 | | | | | | | |
| ESTIMATED TOTALS | | 507 | 5863 | 8920 | 14388 | 302 | 409 | 35 | 242 | 493 | | 200 | 127 | | | | 30 | 16 | 178 | 322 | 1 | | | | | | | |

REMARKS:



ANCHOR DRILLING FLUIDS AS

OSLO - STAVANGER

WELL NAME 2/7-13 AREA NORTH SEA
 OPERATOR PHILLIPS PETROLEUM RIG DYVI BETA
 ENGINEERS ASBJØRNSEN, BLANCHIARD, CLEMENT, ÅRSETH, VIGEN

Drilling Fluid & Material Consumption Report

UD SYSTEM DRISPAC/SEAWATER

| Day No | DATE | ESTIMATED DAILY MUD VOLUMES | | | BULK MATERIALS | | SACK MATERIALS | | MATERIALS ADDED TO CONTROL PROPERTIES | | | | | | | | | | | | | | | | |
|------------------|------|-----------------------------|----------------|------------------|----------------|-----------|----------------|-------|---------------------------------------|---------|----------|---------------------------|-----------------|------------------|----------|------|----------|--------|------|--------------|-------------|--------|----|----|--|
| | | LOSSES SUB SURFACE | LOSSES SURFACE | VOLUME MUD BUILT | BARITE | BENTONITE | CAUSTIC SODA | IDFLO | LIGNO SULFONATE | LIGNITE | THINNERS | DESCO | DRISPAC REGULAR | DRISPAC SUPERIOR | POLYMERS | LIME | SODA ASH | FLOSAL | MICA | AL. STEARATE | BICARBONATE | SOLTEX | | | |
| 19 | 28. | | 10 | | 242 | ** 28 | (-7) | | (-7) | | (-9) | | (-7) | (-24) | | | | (-2) | ** 4 | 6 | | ** 2 | | | |
| 20 | 1.3 | | 20 | | 792 | | 3 | | 2 | | 2 | | | | | | | | | 9 | | | | | |
| 21 | 2. | 80 | 485 | 95 | | * 37 | 10 | | 53 | | 9 | END OF 12"/9-5/8" SECTION | | | | | | | | 20 | | | | | |
| 22 | 3. | | 160 | | | | | | | | | | | | | | | | | | | | 40 | | |
| 23 | 4. | | | 100 | 550 | | 6 | 40 | | | | | | | | | | | | | | | | | |
| 24 | 5. | | | 7 | 352 | | 6 | 40 | | | | | | 1 | | | | | | 20 | | | | | |
| 25 | 6. | | 14 | | | | | | 16 | | | | | | | | | | | | | | | | |
| 26 | 7. | | | 1 | 110 | | | | | | | | | 4 | | | | | | | | | | | |
| 27 | 8. | | | 53 | 704 | | 5 | | | | | | | 4 | | | | | | | | | | | |
| 28 | 9. | | | 3 | | | 4 | | | | | | | 3 | | | | | | | | | | | |
| 29 | 10. | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 11. | | 62 | | | | | | | | | | | | | | | | | | | | | | |
| 31 | 12. | | 14 | | 330 | | 2 | | | | | | | 4 | | | | | | 6 | | | | | |
| 32 | 13. | | 21 | | | | 5 | | | | | | | | | | | | | | | | | | |
| FORWARD | | 507 | 5863 | 8920 | 14388 | 302 | 409 | 35 | 242 | | 493 | | 200 | 127 | | | | 30 | 16 | 178 | 322 | 1 | | | |
| ESTIMATED TOTALS | | 587 | 6649 | 9179 | 17468 | 367 | 443 | 115 | 306 | | 495 | | 204 | 108 | | | | 30 | 14 | 182 | 383 | 1 | 2 | 40 | |

REMARKS: ** Stock check - Inventory correction + cost addition. * Bentonite used in cement slurry.
 (-) Stock check - Inventory correction + cost deduction.



ANCHOR DRILLING FLUIDS AS

OSLO - STAVANGER

WELL NAME 2/7-13 AREA NORTH SEA
 OPERATOR PHILLIPS PETROLEUM RIG DYVI BETA
 ENGINEERS ASBJØRNSEN, BLANCHARD, CLEMENT, ÅRSETH, VIGEN

Drilling Fluid & Material Consumption Report

MUD SYSTEM SEAWATER/DRISPAC

| Day No. | DATE | ESTIMATED DAILY MUD VOLUMES | | | BULK MATERIALS | | SACK MATERIALS | | MATERIALS ADDED TO CONTROL PROPERTIES | | | | | | | | | | | | | | | | | | |
|------------------|------|-----------------------------|----------------|------------------|----------------|-----------|----------------|-------|---------------------------------------|---------|-------|----------|-----------------|-----------------|----------|------|----------|--------|------|-----|----------|-------------|--------|-------|---|---|--|
| | | LOSSES SUB SURFACE | LOSSES SURFACE | VOLUME MUD BUILT | BARITE | BENTONITE | CAUSTIC SODA | IDFLO | LIGNO-SULFONATE | LIGNITE | DESCO | THINNERS | DRISPAC REGULAR | DRISPAC SUPERLO | POLYMERS | LIME | SODA ASH | FLOSAL | MICA | AL. | STEARATE | BICARBONATE | SOLTEX | OTHER | | | |
| 43 | 14. | | | 1 | | | | 2 | | 1 | | | | | | | | | | | | | | | | | |
| 44 | 15. | | 31 | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | 16. | 20 | 36 | | | | | | | 4 | | | | | | | | | | | | | | | 3 | | |
| 46 | 17. | | 64 | 35 | 66 | | | | | | | | | | | | | | | | | | | | | 6 | |
| 47 | 18. | | | 65 | | | | | | 1 | | | | | | | | | | | | | | | | 1 | |
| 48 | 19. | | 72 | 20 | | | | | | 3 | | | | | | | | | | | | | | | | 3 | |
| 49 | 20. | | 40 | 52 | | | | | | 9 | | | | | | | | | | | | | | | | | |
| 50 | 21. | 150 | 20 | 52 | | | | | | 8 | | | | | | | | | | | | | | | | | |
| 51 | 22. | 112 | NIL | 40 | 550* | | | | | 8 | 20 | 10 | | | | | | | | | | | | | | 2 | |
| 52 | 23. | 14 | NIL | NIL | | | | | | | | | | | | | | | | | | | | | | | |
| 53 | 24. | 53 | 40 | 275 | 528 | | | | | 12 | 20 | 12 | | | | | | | | | | | | | | 4 | |
| 54 | 25. | NIL | NIL | 21 | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 26. | 10 | 26 | 72 | | | | | | | | 16 | | | | | | | | | | | | | | 4 | |
| 56 | 27. | 87 | 10 | 10 | 88 | | | | | | | | | | | | | | | | | | | | | 6 | |
| FORWARD | | 587 | 6649 | 9184 | 17468 | 367 | 443 | 115 | 306 | | | 495 | | 204 | 108 | | | | | | | | | | | | |
| ESTIMATED TOTALS | | 1033 | 6988 | 9822 | 18145 | 367 | 489 | 155 | 367 | | | 496 | | 212 | 129 | | | | | | | | | | | | |

REMARKS: * Barite not used - settled in tanks? - Inventory correction.



ANCHOR DRILLING FLUIDS AS

OSLO - STAVANGER

WELL NAME 2/7-13 AREA NORTH SEA

OPERATOR PHILLIPS PETROLEUM RIG DYVI BETA

ENGINEERS ASBJØRNSEN, BLANCHARD, CLEMENT, ÅRSETH, VIGEN

Drilling Fluid & Material Consumption Report

MUD SYSTEM DRISPAC/FRESHWATER

| Day No. | DATE | ESTIMATED DAILY MUD VOLUMES | | | BULK MATERIALS | | SACK MATERIALS | | MATERIALS ADDED TO CONTROL PROPERTIES | | | | | | | | | | | | | | | | | | | | |
|------------------|------|-----------------------------|----------------|------------------|----------------|-----------|----------------|-------|---------------------------------------|---------|-------|----------|-----------------|-----------------|------|--------|----------|--------|------|-----|-----------|--------------|-------------|--------|----|-----|----|-------|------|
| | | LOSSES SUB SURFACE | LOSSES SURFACE | VOLUME MUD BUILT | BARITE | BENTONITE | CAUSTIC SODA | IDFLO | LIGNO-SULFONATE | LIGNITE | DESCO | THINNERS | POLYMERS | | | OTHERS | | | | | | | | | | | | | |
| | | | | | | | | | | | | | DRISPAC REGULAR | DRISPAC SUPERLO | CMC | LIME | SODA ASH | FLOSAL | MICA | NUT | KWIK SEAL | AL. STEARATE | BICARBONATE | SOLTEX | | | | | |
| 1979 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 | 28. | 25 | 35 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 58 | 29. | 12 | NIL | NIL | | +13 | | +10 | * | 11 | | | | +1 | 10/7 | * | | | | | | | | | | | * | * | * |
| 59 | 30. | 3 | 45 | NIL | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 31. | | 108 | | (120) | (80) | | | | | (100) | | | | | | (50) | | (50) | | | | | | | | | (170) | |
| 61 | 1.4 | | 20 | | (40) | | | | | | | | | | | | | | | | | (25) | (9) | | | | 10 | (30) | |
| 62 | 2. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | 3. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | 4. | | 100 | | | 88 | | | | | | | | | | | | | | | | | | | | | | | <60> |
| 65 | 5. | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 66 | 6. | 456 | | 640 | 990 | | | 6 | | | | | | 10 | 1 | | | | | | | | | | | | | | |
| 67 | 7. | 71 | | 20 | 220 | | | | | | | | | 5 | | | | | | | | | | | | | | | |
| 68 | 8. | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | |
| 69 | 9. | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 70 | 10. | 448 | | 820 | 990 | | | 5 | | | | | | 26 | | | | | | | | | | | | | | | |
| FORWARD | | 1033 | 6988 | 9822 | 18145 | 367 | 489 | 155 | 367 | | 496 | | | 212 | 129 | | | 50 | 14 | 199 | 652 | | | | | 1 | 2 | 40 | |
| ESTIMATED TOTALS | | 2048 | 7296 | 11317 | 20235 | 514 | 580 | 215 | 420 | 40 | 596 | | | 257 | 151 | 90 | | 100 | 28 | 249 | 712 | 62 | 25 | 3 | 13 | 308 | | | |

REMARKS: * Material not used - Lost, broken & water-damaged sacks - not charged for. () = Materials back loaded.
 + = Inventory correction + cost deduction - 13 sxs Bentonite made up of 12 from report 29 which should not have been charged for + further correction today. Drispac Superlo previously undercharged due to stock check error on report 29 + excessively



ANCHOR DRILLING FLUIDS AS

OSLO - STAVANGER

Drilling Fluid & Material Consumption Report

MUD SYSTEM DRISPAC/FRESHWATER

WELL NAME 2/7-13 AREA NORTH SEA

OPERATOR PHILLIPS PETROLEUM RIG DYVI BETA

ENGINEERS ASBJØRNSEN, BLANCHARD, CLEMENT, ÅRSETH, VIGEN

| Day No | DATE | ESTIMATED DAILY MUD VOLUMES | | | BULK MATERIALS | | SACK MATERIALS | | | | | MATERIALS ADDED TO CONTROL PROPERTIES | | | | | | | | | | | | | | | |
|------------------|------|-----------------------------|----------------|------------------|----------------|-----------|----------------|-------|-----------------|---------|-------|---------------------------------------|-----------------|-----------------|-----|----------|------|----------|--------|------|-----|--------|---------------|----------|-------------|--------|--|
| | | LOSSES SUB SURFACE | LOSSES SURFACE | VOLUME MUD BUILT | BARITE | BENTONITE | CAUSTIC SODA | IDFLO | LIGNO-SULFONATE | LIGNITE | DESCO | THINNERS | DRISPAC REGULAR | DRISPAC SUPERLO | CMC | POLYMERS | TIME | SODA ASH | FLOSAL | MICA | NUT | OTHERS | KWIK SEAL AL. | STEARATE | BICARBONATE | SOLTEX | |
| 71 | 11. | | | 5 | 176 | | | | | | | | | | | | | | | | | | | | | | |
| 72 | 12. | | | | | 20 | | | | | | | | | | | | | 10 | | | | | | | | |
| 73 | 13. | | | | 1408 | | | | | | | | | | | | | | | | | | | | | | |
| 74 | 14. | 50 | 73 | | | | | | | | | | | | | | | | 18 | | | | | | | | |
| 75 | 15. | | | | 66 | | | | | | | | | | | | 1 | | | | | | | | | | |
| 76 | 16. | | | | | | | | | | | | | | | | | | 13 | | | | | | | | |
| 77 | 17. | 56 | 90 | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | 18. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | 19. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | 20. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | 21. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | 22. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | 23. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | 24. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FORWARD | | 2048 | 7296 | 11317 | 20235 | 514 | 580 | 215 | 420 | 40 | 596 | | 257 | 151 | 90 | | | 100 | 28 | 249 | 712 | 62 | 25 | 3 | 13 | 308 | |
| ESTIMATED TOTALS | | 2154 | 7459 | 11322 | 21885 | 534 | 580 | 215 | 420 | 40 | 596 | | 257 | 151 | 90 | | | 100 | 29 | 290 | 712 | 62 | 25 | 3 | 13 | 308 | |

REMARKS: * Final Consumption Report.



ANCHOR DRILLING FLUIDS AS

OSLO - STAVANGER

WELL NAME 2/7-13

AREA NORTH SEA

Drilling Mud Properties Record

OPERATOR PHILLIPS PETROLEUM RIG DYVI BETA

MUD SYSTEM SPUD MUD/DRISPAC SEAWATER

ENGINEERS ASBJØRNSEN, BLANCHARD, CLEMENT, ÅRSETH, VIGEN

| Day No. | DATE | DEPTH FEET * METERS () | MUD PROPERTIES | | | | | | | | | | | | | | | | | | OPERATION REMARKS | | | |
|---------|-----------|------------------------------|--------------------|------------------|----|--------|------------|--------|------------------------|-------------|---------------|----|-------------------|----------|----------|--------|------|--|-----------------|--------------|-------------------|---------------|-----|------------------|
| | | | DENSITY PPG @ SG @ | VISCOSITY | | | | GELS @ | FLUID LOSS 30 Min cc's | CAKE 32 nds | H.T.H.P. cc's | pH | Filtrate Analysis | | | RETORT | | | BENTONITE #/BBL | POTASH #/BBL | | POLYMER #/BBL | "N" | "K" |
| sec/qt | A.V. cps | P.V. cps | | Y.P. #/100 sq.ft | 10 | Cl ppm | Ca. ++ ppm | | | | | | P1/MF | % OIL | % SOLIDS | % SAND | | | | | | | | |
| 1 | 1979 31.1 | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 1.2 | 413 | 8.5 | 210 | 61 | 9 | 94 | 18/62 | NC | | 10.0 | | | | | | | | | | | | | Spud mud |
| 3 | 2. | 576 | 8.5 | 60 | 29 | 9 | 40 | 14/22 | NC | | 10.0 | | | | | | | | | | | | | Spud mud |
| 4 | 3. | 576 | 8.6 | 50 | 20 | 8 | 25 | 17/21 | NC | | 10.0 | | | | | | | | | | | | | Spud mud |
| 5 | 4. | 1183 | 9.1 | 49 | 20 | 3 | 34 | 9/15 | | | 10.0 | | | | | | | | | | | | | |
| 6 | 5. | 1183 | 9.0 | 34 | 15 | 8 | 13 | 7/12 | | | 9.5 | | | | | | | | | | | | | |
| 7 | 6. | 1136 | 8.5 | 53 | 27 | 18 | 17 | 2/3 | 15.0 | TR | 10.0 | 25 | 450 | .4/.7 | 2 | | | | | .87 | .13 | | | Drispac Seawater |
| 8 | 7. | 1136 | 8.6 | 54 | 27 | 17 | 20 | 2/4 | 8.0 | | 9.5 | 25 | 520 | .35/.55 | 2 | | | | | .52 | 1.45 | | | |
| 9 | 8. | 1136 | 8.6 | 54 | 27 | 19 | 20 | 2/4 | 8.5 | | 9.5 | 25 | 550 | .52/1.45 | 2 | | | | | .52 | 1.45 | | | |
| 10 | 9. | 1130 | 8.7 | 44 | 18 | 13 | 9 | 1/2 | 8.0 | | 9.5 | 23 | 480 | .67/.22 | 2.5 | | | | | .67 | .22 | | | |
| 11 | 10. | 2156 | 9.9 | 39 | 20 | 15 | 10 | 2/6 | 6.0 | | 9.5 | 23 | 480 | .2/.4 | 10 | 1 | 10 | | | .68 | .35 | | | |
| 12 | 11. | 2900 | 9.8 | 42 | 20 | 13 | 13 | 2/20 | 7.5 | | 9.0 | 27 | 280 | .15/.30 | 12.5 | 1.5 | 12.5 | | | .58 | .68 | | | |
| 13 | 12. | 3519 | 10.0 | 40 | 19 | 13 | 12 | 3/27 | 8.5 | 1/32 | 9.8 | 25 | 250 | .2/.35 | 13 | 1 | 15 | | | .60 | .51 | | | |
| 14 | 13. | 4295 | 10.2 | 44 | 25 | 15 | 19 | 4/32 | 8.0 | 1/32 | 10.0 | 26 | 200 | .26/.40 | 14 | 1 | 17.5 | | | .52 | .135 | | | |

REMARKS



ANCHOR DRILLING FLUIDS AS

OSLO - STAVANGER

WELL NAME 2/7-13 AREA NORTH SEA
 OPERATOR PHILLIPS PETROLEUM RIG. DYVI BETA
 ENGINEERS ASBJØRNSEN, BLANCHARD, CLEMENT, ÅRSETH, VIGEN

Drilling Mud Properties Record

MUD SYSTEM SEAWATER/DRISPAC

| Day No. | DATE | DEPTH FEET <input type="checkbox"/> METERS <input type="checkbox"/> | MUD PROPERTIES | | | | | | | | | | | | | | | | | | OPERATION REMARKS | | | |
|---------|------|------------------------------------------------------------------------|----------------------------------------------|-----------|----------|----------|-------------------|-----------|------------------------|-------------|---------------|------|---------------------|----------------------|------|---------|----------|--------|-----------------|--------------|-------------------|-----------------------------------|-----|-----|
| | | | DENSITY PRG # SG <input type="checkbox"/> | VISCOSITY | | | | GELS 0 | FLUID LOSS 30 Min cc's | CAKE 32 nds | H.T.H.P. cc's | pH | Filtrate Analysis | | | RETORT | | | BENTONITE #/BBL | POTASH #/BBL | | POLYMER #/BBL | "N" | "K" |
| | | | | sec/qt | A.V. cps | P.V. cps | Y.P. #/100 sq.ft. | | | | | | Cl ⁻ ppm | Ca ⁺⁺ ppm | Pf | % OIL | % SOLIDS | % SAND | | | | | | |
| 15 | 14. | 4827 | 11.4 | 45 | 24 | 14 | 20 | 9/34 | 8.5 | 1/32 | 10.0 | 25 | 150 | .3/.5 | 19 | | 18 | | | .5 | 1.5 | Logging. | | |
| 16 | 15. | 4971 | 11.7 | 45 | 31 | 21 | 29 | 8/35 | 9.0 | 1/32 | 10.0 | 25 | 100 | .2/.4 | 20 | 1 | 20 | | | .61 | .91 | Circ. hole before casing. | | |
| 17 | 16. | 4971 | 11.6+ | 48 | 30 | 18 | 24 | 8/32 | 9.5 | 1 | 9.0 | 23 | 280 | TR | 20 | 1 | 25 | | | .51 | 1.75 | Run 13-3/8" casing. | | |
| 18 | 17. | 4971 | 11.4 | 42 | 27 | 18 | 18 | 8/30 | 9.2 | 1 | 10.1 | 23 | 200 | .26/.56 | 18.5 | 1/4 | 22.5 | | | .58 | .97 | Cement 13-3/8" casing. | | |
| 19 | 18. | 4971 | 11.4 | 41 | 22.5 | 16 | 13 | 4/18 | 9.0 | 1 | 9.8 | 23 | 240 | .18/.42 | 18.0 | Gd. Tr. | 20.0 | | | .63 | .57 | Nipple up bops, cleaned traps. | | |
| 20 | 19. | 4980 | 11.4 | 51 | 29 | 20 | 18 | 6/22 | 12.2 | 3 | 11.4 | 25 | 200 | .60/.90 | 7.5 | 1/4 | 13.75 | | | .61 | .86 | Drill out 13-3/8" sho | | |
| 21 | 20. | 5707 | 12.0 | 41 | 29 | 22 | 14 | 2+/22 | 5.6 | 1+ | 9.8 | 27.5 | 160 | .20/.63 | | Gd. Tr. | 15.0 | | | .68 | .51 | Drilling ahead. | | |
| 22 | 21. | 6557 | 12.8 | 46 | 31.5 | 22 | 19 | 6/33 | 5.7 | 2 | 9.2 | 28 | 144 | .13/.57 | | Gd. Tr. | 18.75 | | | .69 | .63 | Drilling ahead. | | |
| 23 | 22. | 7133 | 12.9 | 47 | 22 | 14 | 16 | 8+/36 | 6.4 | 2 | 9.6 | 28 | 140 | .30/.84 | | Gd. Tr. | 22.5 | | | .55 | .97 | Trip o.k. Drilling ahead. | | |
| 24 | 23. | 7760 | 13.2 | 48 | 22 | 14 | 16 | 8/38 | 6.6 | 2 | 9.8 | 28 | 140 | .28/.81 | | Gd. Tr. | 21.25 | | | .55 | .97 | Drilling ahead. No problems. | | |
| 25 | 24. | 8130 | 13.2 | 48 | 24.5 | 13 | 23 | 9/39 | 7.8 | 2 | 9.8 | 27.5 | 80 | .15/.68 | | Gd. Tr. | 20.0 | | | .44 | 2.30 | Drilling + trip - o.k. | | |
| 26 | 25. | 8560 | 13.2 | 48 | 26.5 | 13 | 27 | 9/41 | 8.0 | 2 | 10.5 | 27.5 | 60 | .40/.1.30 | 19.6 | Gd. Tr. | 19.0 | | | .40 | 3.20 | Drilling ahead. No problems. | | |
| 27 | 26. | 8798 | 13.2 | 46 | 24.5 | 13 | 23 | 8/36 | 6.8 | 2 | 9.4 | 26 | 88 | .10/.38 | 17.8 | 1/4 | 18.0 | | | .44 | 2.30 | Drilling + good trip. | | |
| 28 | 27. | 8930 | 13.1+ | 45 | 22 | 12 | 20 | 7/31 | 6.8 | 2 | 10.2 | 26 | 80 | .20/1.0 | 18.0 | 1/4 | 19.0 | | | .46 | 1.83 | Drilling lostf 250 bbls. to hole. | | |

REMARKS



ANCHOR DRILLING FLUIDS AS

OSLO - STAVANGER

WELL NAME 2/7-13 AREA NORTH SEA
 OPERATOR PHILLIPS PETROLEUM RIG DYVI BETA
 ENGINEERS ASBJØRNSEN, BLANCHARD, CLEMENT, ÅRSETH, VIGEN

Drilling Mud Properties Record
 MUD SYSTEM SEAWATER/DRISPA

| Day No. | DATE | DEPTH FEET & METERS □ | MUD PROPERTIES | | | | | | | | | | | | | | | | | | | | OPERATION REMARKS | |
|---------|------|-----------------------------|-----------------------|-----------|----------|----------|-------------------|-----------|------------------------|-------------|-----------------|------|---------------------|------------|--------|-----------------|----------|--------|-----------------|--------------|---------------|-----|-------------------|-----------------------------|
| | | | DENSITY PPG & SG □ | VISCOSITY | | | | GELS ° | FLUID LOSS 30 Min cc's | CAKE 32 nds | 250qt.H.P. cc's | PH | Filtrate Analysis | | | RETORT | | | BENTONITE #/BBL | POTASH #/BBL | POLYMER #/BBL | "N" | | "K" |
| | | | | sec/qt | A.V. cps | P.V. cps | Y.P. #/100 sq.ft. | | | | | | Cl ⁻ ppm | Ca. ++ ppm | Pf /MF | % OIL (Corr) | % SOLIDS | % SAND | | | | | | |
| 29 | 28. | 8930 | 13.1+ | 45 | 24.5 | 15 | 19 | 9/34 | 7.1 | 2 | | 9.7 | 26.5 | 80 | .15/ | 80 | 18.5 | 1/4 | 19.0 | | | .52 | 1.29 | Logging + clean up trip. |
| 30 | 1.3. | 8930 | 13.1+ | 50 | 25.5 | 13 | 25 | 9/40 | 7.6 | 2 | | 9.2 | 26.5 | 100 | .15/ | 70 | 18.5 | 1/4 | 19.0 | | | .42 | 2.70 | Logging + cond. for casing |
| 31 | 2. | 8930 | 13.1 | 49 | 18.5 | 13 | 11 | 3/26 | 8.1 | 2 | | 9.5 | 24 | 80 | .18/ | 80 | 18.0 | 1/4 | 18.0 | | | | | Run 9-5/8" casing + cement. |
| 32 | 3. | 8930 | 13.1 | 55 | 23 | 16 | 13 | 6/32 | 9.0 | 2 | | 9.5 | 24 | 100 | .15/ | 8 | 18.0 | TR | 18.0 | | | .63 | .50 | |
| 33 | 4. | 8930 | 13.1 | 54 | 20 | 15 | 9 | 4/29 | 6.0 | 1 | | 10.0 | 24 | 100 | .5/1 | 3 | 18.0 | TR | 18.0 | | | .7 | .3 | Nipple up 8 1/2" hole. |
| 34 | 5. | 8933 | 13.2 | 48 | 22 | 17 | 9 | 4/39 | 6.5 | 1/32 | 13 | 11.0 | 24 | 240 | .8/2 | 0 | 18.0 | TR | 18.0 | | | .67 | .43 | Fish for junk |
| 35 | 6. | 8937 | 13.2 | 53 | 17 | 13 | 7 | 2/18 | 6.5 | 1 | 13.5 | 10.0 | 23 | 160 | .45/1 | 4 | 18.0 | TR | 18.0 | | | .65 | .37 | Run reverse Tool for junk. |
| 36 | 7. | 8940 | 13.2 | 52 | 17 | 14 | 6 | 2/20 | 6.3 | 1 | 10.0 | 10.5 | 23 | 160 | .5/1 | 3 | 18.0 | TR | 18.0 | | | .76 | .17 | Fishing for junk. |
| 37 | 8. | 8973 | 13.2 | 50 | 15 | 10 | 10 | 2/13 | 6.0 | 1 | 16 | 10.5 | 22 | 160 | .5/1 | 2 | 19.0 | TR | 15.0 | | | .58 | .54 | RIH Corebarrel. |
| 38 | 9. | 9004 | 13.2 | 50 | 15 | 12 | 6 | 2/11 | 5.5 | 1 | 15.8 | 10.8 | 22 | 120 | .8/1 | 5 | 19.0 | TR | 15.0 | | | .73 | .19 | Core + prepare to that. |
| 39 | 10. | 9004 | 13.2+ | 47 | 13 | 10 | 6 | 4/12 | 5.8 | 1 | 17 | 10.8 | 22 | 120 | .55/1 | 8 | 19.0 | TR | 15.0 | | | .7 | .2 | Run RTTS tool. |
| 40 | 11. | 9078 | 13.1 | 47 | 18 | 14 | 8 | 2/24 | 5.5 | 1 | 17 | 10.8 | 22 | 160 | .6/1 | 6 | 19.0 | TR | 15.0 | | | .7 | .28 | Test RIH with bit. |
| 41 | 12 | 9118 | 13.3+ | 50 | 21 | 16 | 9 | 2/14 | 5.3 | 1 | 17 | 10.7 | 22 | 100 | .75/1 | .7TR | 20.0 | TR | 15.0 | | | .68 | .30 | Coring. |
| 42 | 13. | 9136 | 13.3+ | 52 | 18 | 13 | 9 | 4/25 | 5.3 | 1 | 15 | 10.8 | 22 | 80 | .7/1 | 5 TR | 20.0 | TR | 15.0 | | | .68 | .30 | Prepare to test. |

REMARKS



ANCHOR DRILLING FLUIDS AS

OSLO - STAVANGER

WELL NAME 2/7-13 AREA NORTH SEA
 OPERATOR PHILLIPS PETROLEUM RIG: DYVI BETA
 ENGINEERS ASBJØRNSEN, BLANCHARD, CLEMENT, ARSETH, VIGEN

Drilling Mud Properties Record

MUD SYSTEM SEAWATER/DRISPA

| Day No | DATE | DEPTH FEET METERS | MUD PROPERTIES | | | | | | | | | | | | | | | | | | OPERATION REMARKS | | | |
|--------|----------|-------------------------|-------------------|-------------------|---------------------|-----------|----|-----------|------------------------|-------------|---------------|------|-------------------|----------|--------|--------|------|----|-----------------|--------------|-------------------|---------------|------|------------------------------------|
| | | | DENSITY PPG SG | VISCOSITY | | | | GELS 0 | FLUID LOSS 30 Min cc's | CAKE 32 nds | H.T.H.P. cc's | pH | Filtrate Analysis | | | RETORT | | | BENTONITE #/BBL | POTASH #/BBL | | POLYMER #/BBL | "N" | "K" |
| sec/qt | A.V. cps | P.V. cps | | Y.P. #/100 sq.ft. | CI ⁻ ppm | Ca ++ ppm | PI | | | | | | % OIL | % SOLIDS | % SAND | | | | | | | | | |
| 43 | 14. | 9136 | 13.4 | 53 | 17 | 13 | 7 | 4/15 | 5.0 | 1/32 | 14 | 11.0 | 22 | 80 | 1.0/ | .9 | 20 | TR | 15 | | | .71 | .23 | Testing. |
| 44 | 15. | 9147 | 13.3+ | 51 | 17 | 13 | 8 | 4/31 | 5.4 | 1/32 | 16 | 10.0 | 27 | 120 | .5/1 | 5 | 19 | TR | 15 | | | .69 | .28 | Run in hole with condition mud. |
| 45 | 16. | 9154 | 13.4 | 48 | 16 | 12 | 7 | 3/17 | 5.0 | 1/32 | 16 | 10.9 | 24 | 120 | .8/1 | 6 | 19 | TR | 12.5 | | | .7 | .24 | Core. |
| 46 | 17. | 9544 | 13.3+ | 48 | 23 | 17 | 12 | 2+/23 | 4.9 | 1 | 16 | 10.5 | 23.5 | 60 | .35/1 | .30 | 15.6 | TR | 13.75 | | | .66 | .475 | Dril. 8 1/2" hole. |
| 47 | 18. | 9837 | 13.3+ | 45 | 18.5 | 14 | 9 | 4/20 | 4.9 | 1 | 16 | 10.0 | 23 | 80 | .17/ | .88 | 16.2 | TR | 13.75 | | | .68 | .33 | Dril. 8 1/2" hole. Trip. |
| 48 | 19. | 10084 | 13.3+ | 51 | 24 | 18 | 12 | 5/28 | 4.6 | 1 | 15 | 9.8 | 24 | 80 | .08/ | .61 | 17.2 | TR | 13.75 | | | .67 | .44 | For N.B. drill 8 1/2" hole. |
| 49 | 20. | 10340 | 13.2+ | 47 | 20 | 15 | 10 | 4/21 | 5.2 | 1 | 16.2 | 10.1 | 23 | 40 | .23/ | .99 | 17.3 | TR | 13.75 | | | .67 | .375 | Dril. 8 1/2" hole. |
| 50 | 21. | 10507 | 13.2+ | 44 | 19 | 14 | 10 | 3+/23 | 5.7 | 1 | 17.2 | 10.4 | 23.5 | 32 | .29/ | 1.18 | 17.2 | TR | 12.5 | | | .67 | .48 | Dril. 8 1/2" hole. Seepage losses. |
| 51 | 22. | 10735 | 13.2+ | 51 | 23.5 | 17 | 13 | 6/30 | 5.3 | 1 | 16.2 | 10.5 | 22 | 24 | .37/ | 1.29 | 18.0 | TR | 12.5 | | | .64 | .55 | Dril. 8 1/2" hole. Seepage losses. |
| 52 | 23. | 10738 | 13.2+ | 50 | 23.5 | 17 | 13 | 6/29 | 5.4 | 1 | 16.6 | 10.4 | 22 | 24 | .31/ | 1.20 | 18.0 | TR | 12.5 | | | .64 | .55 | Trip for N.B. test hops. |
| 53 | 24. | 10865 | 13.2+ | 46 | 22.5 | 16 | 13 | 5/27 | 5.6 | 1 | 17.0 | 10.8 | 23 | 24 | .66/ | 1.58 | 18.3 | TR | 12.5 | | | .63 | .58 | Hole o.k. drill 8 1/2" hole. |
| 54 | 25. | 10974 | 13.2+ | 44 | 20 | 16 | 8 | 2+/20 | 5.8 | 1+ | 17.2 | 11.1 | 19 | 12 | .68/ | 1.53 | 18.2 | TR | 12.5 | | | .73 | .26 | Dril. 8 1/2" hole. |
| 55 | 26. | 11058 | 13.2+ | 43 | 20 | 16 | 8 | 3/22 | 5.8 | 1 | 16.8 | 11.0 | 19 | 24 | .46/ | 1.28 | 18.1 | TR | 12.5 | | | .73 | .26 | Dril. 8 1/2" hole. |
| 56 | 27. | 11115 | 13.4 | 53 | 22.5 | 17 | 11 | 6/33 | 5.2 | 1 | 15.4 | 10.5 | 19 | 48 | .25/ | .70 | 18.8 | TR | 15.0 | | | .68 | .40 | Dril. 8 1/2" to T.D. Wiper trip. |

REMARKS



ANCHOR DRILLING FLUIDS AS

OSLO - STAVANGER

WELL NAME 2/7-13 AREA NORTH SEA
 OPERATOR PHILLIPS PETROLEUM RIG DYVI BETA
 ENGINEERS ASBJØRNSEN, BLANCHARD, CLEMENT, ARSETH, VIGEN

Drilling Mud Properties Record

MUD SYSTEM DRISPAC/FRESHWATER

| Day No. | DATE | DEPTH FEET <input type="checkbox"/> METERS <input type="checkbox"/> | MUD PROPERTIES | | | | | | | | | | | | | | | | | | | | OPERATION REMARKS | |
|---------|------|---------------------------------------------------------------------------|---------------------------------------------------------------------|-----------|----------|----------|-------------------|-----------|-----------------------|-------------|----------|-------|-----------------|---------------------------------|--------|-------|--------------------|--------|-----------------|--------------|---------------|-----|-------------------|-------------------------------------|
| | | | DENSITY PPG <input type="checkbox"/> SG <input type="checkbox"/> | VISCOSITY | | | | GELS 0 | FLUID LOSS 30 Min ccs | CAKE 32 nds | HTHP ccs | pH | Cl ppm x1000 | Filtrate Analysis | | | RETORT | | BENTONITE #/BBL | POTASH #/BBL | POLYMER #/BBL | "N" | | "K" |
| | | | | sec/qt | A.V. cps | P.V. cps | Y.P. #/100 sq.ft. | | | | | | | Total Hardness Ca. + Mg. ppm | PI /MF | % OIL | % SOLIDS (core) | % SAND | | | | | | |
| 1979 | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 | 28. | 11115 | 13.4 | 54 | 25 | 19 | 12 | 7/35 | 5.2 | 1 | 15.6 | 10.4 | 19 | 48 | .23/ | 65 | 18.8 | TR | 15.0 | | | .69 | .415 | Circ. hole clean, P.O.O.H. log. |
| 58 | 29. | 11115 | 13.4 | 54 | 25 | 19 | 12 | 7/35 | 5.3 | 1 | 16.0 | 10.4 | 19 | 48 | .22/ | 63 | 18.8 | TR | 15.0 | | | .69 | .415 | Logging. |
| 59 | 30. | 11115 | 13.4 | 54 | 25 | 19 | 12 | 7/35 | 5.3 | 1 | 16.0 | 10.4 | 19 | 48 | .22/ | 63 | 18.8 | TR | 15.0 | | | .69 | .415 | Logging and trip to cond. hole. |
| 60 | 31. | 11115 | 13.4 | 67 | 27 | 19 | 16 | 15/51 | 6.0 | 1 | 18.0 | 9.0 | 19 | *120 | -/.5 | | 20.2 | TR | 15.0 | | | .62 | .74 | Cement liner. Dump cont. mud. |
| 61 | 1.4 | 11095 | 13.4 | 50 | 17 | 13 | 8 | 5/21 | 7.1 | 1 | 19.0 | 10.7 | 19 | *160 | .62/ | .62 | 20 | TR | 15.0 | | | .56 | .70 | Drill cement in liner. |
| 62 | 2. | 11095 | 13.4 | 58 | 18 | 13 | 9 | 4/27 | 6.4 | 1 | 22.0 | 11.0 | 19 | *200 | .7/1 | .7 | 21 | TR | 15.0 | | | .68 | .32 | Run CBL + Gyro. |
| 63 | 3. | 11095 | 13.4 | 55 | 20 | 15 | 10 | 3/21 | 6.2 | 1 | 22.0 | 10.9 | 19 | *160 | .6/1 | .6 | 21 | TR | 15.0 | | | .67 | .38 | Perforate. |
| 64 | 4. | 11095 | 13.4 | 47 | 13 | 10 | 6 | 2/7 | 6.5 | 1 | 22.5 | 10.7 | 15 | *80 | .5/1 | .5 | 20 | TR | 15.0 | | | .7 | .2 | Run DST. |
| 65 | 5. | 11095 | 13.4 | 47 | 20 | 16 | 9 | 2/13 | 6.3 | 1 | 22.0 | 10.7 | 15 | *80 | .5/1 | .5 | 20 | TR | 15.0 | | | .71 | .31 | Acidize+Flow Well. |
| 66 | 6. | 11095 | 13.2 | 48 | 35 | 25 | 20 | 3/6 | 8.5 | 1 | 24.0 | 10.1 | 9 | *200 | .3/ | .9 | 17 | TR | 4 | | | .63 | .9 | Mud losses when packer released. |
| 67 | 7. | 11095 | 12.6 | 45 | 16 | 13 | 6 | 2/12 | 6.3 | 1 | 22.0 | 9.8 | 11 | *120 | .4/1 | .0 | 15 | TR | 10 | | | .74 | .19 | Build mud- run squeeze job. |
| 68 | 8. | 11095 | 12.6 | 48 | 17 | 13 | 6 | 2/4 | 6.3 | 1 | 24.0 | 9.8 | 10 | *120 | .35/ | .0 | 15 | TR | 10 | | | .7 | .24 | Perforate-Acidize. |
| 69 | 9. | 11095 | 12.6 | 48 | 16 | 13 | 5 | 2/4 | 6.3 | 1 | 22.0 | 9.8 | 10 | 120 | .3/1 | .0 | 15 | TR | 10 | | | .78 | .13 | Flow well - shut in well. |
| 70 | 10. | 11095 | 12.7 | 51 | 16 | 13 | 6 | 2/3 | 7.0 | 1 | - | 110.0 | 15 | 80 | .8/1 | .3 | 15 | TR | 5 | | | - | - | Mix mud |

REMARKS



ANCHOR DRILLING FLUIDS AS

OSLO - STAVANGER

WELL NAME 2/7-13 AREA NORTH SEA
 OPERATOR PHILLIPS PETROLEUM RIG DYVI BETA
 ENGINEERS ASBJØRNSEN, BLANCHARD, CLEMENT, ÅRSETH, VIGEN

Drilling Mud Properties Record

MUD SYSTEM DRISPAC/FRESHWATER

| Day No. | DATE | DEPTH FEET METERS (1) | MUD PROPERTIES | | | | | | | | | | | | | | | | | | | OPERATION REMARKS | |
|---------|------|-----------------------------|------------------------------------------------|-----------|----------|----------|-------------------|-----------------|------------------------|-------------|---------------|-----|---------------------|----------------------|--------|--------|----------|-----------------|--------------|---------------|-----|-------------------|-------------------------------------------|
| | | | DENSITY PPG $\frac{G}{CC}$ SG $\frac{D}{D}$ | VISCOSITY | | | | GELS 0 10 | FLUID LOSS 30 Min cc's | CAKE 32 hrs | H.T.H.P. cc's | PH | Filtrate Analysis | | | RETORT | | BENTONITE #/BBL | POTASH #/BBL | POLYMER #/BBL | "N" | | "K" |
| | | | | sec/qt | A.V. cps | P.V. cps | Y.P. #/100 sq.ft. | | | | | | CI ⁻ ppm | Ca ⁺⁺ ppm | PI /ME | % OIL | % SOLIDS | | | | | | |
| 1979 | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | 11. | 11095 | 13.2 | 45 | 15 | 12 | 5 | 2/4 | 6.5 | 1 | 25 | 9.0 | 18 | 100 | .3/.9 | 17 | TR | 7.5 | | | .73 | .18 | Mixmud - Run squeeze job |
| 72 | 12. | 11095 | 13.2 | 47 | 14 | 10 | 8 | 2/5 | 7.0 | 1 | 27 | 9.2 | 18 | 80 | .25/.9 | 17 | TR | 9.0 | | | .61 | .42 | Perforate - Run test string. |
| 73 | 13. | 11095 | 13.2 | 48 | 18 | 15 | 5 | 2/4 | 7.1 | 1 | 26 | 9.0 | 15 | 150 | .25/.9 | 17 | TR | 9.0 | | | .69 | .28 | Test - Shut in well. Play of perf. |
| 74 | 14. | 11095 | 13.2 | 48 | 17 | 13 | 8 | 2/4 | 6.5 | 1 | 26 | 9.0 | 15 | 150 | .25/.9 | 17 | TR | 9.0 | | | .69 | .28 | Squeeze job. Perforate - Run test string. |
| 75 | 15. | 11095 | 13.2 | 47 | 15 | 12 | 5 | 2/4 | 6.3 | 1 | 27 | 9.0 | 15 | 120 | .25/.9 | 17 | TR | 9.0 | | | .76 | .15 | Shut in well for 18 hours. |
| 76 | 16. | 11095 | 13.2 | 46 | 20 | 16 | 7 | 2/7 | 6.5 | 1 | 27 | 9.0 | 15 | 120 | .2/.9 | 17 | TR | 9.0 | | | .76 | .19 | Squeeze perforations |
| 77 | 17. | 11095 | 13.2 | 47 | 17 | 14 | 6 | 3/6 | 6.5 | 1 | - | 9.0 | 15 | 100 | .2/.9 | 17 | TR | 7.5 | | | .76 | .12 | Plug well. |
| 78 | 18. | | | | | | | | | | | | | | | | | | | | | | |
| 79 | 19. | | | | | | | | | | | | | | | | | | | | | | |
| 80 | 20. | | | | | | | | | | | | | | | | | | | | | | |

REMARKS