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Attn.: Bill Cashion

Colorado School of Mines Research Institute

March 12, 1980

P.O. BOX 112 • GOLDEN, COLORADO 80401
PHONE (303) 279-2581

CSMRI

| | Water gallons/ton | Oil gallons/ton | Specific Gravity | Gas + Loss |
|------------------------------|----------------------|--------------------|---------------------|---------------|
| 100-101 Hole 3 box 3 100-110 | 2.80 | .667 | .910 | .613 |
| 101-102 " " " " " " | 3.24 | 2.08 | .910 | .463 |
| 102-103 " " " " " " | 5.48 | 3.94 | .910 | .980 |
| 103-104 " " " " " " | 3.03 | 19.6 | .913 | 1.00 |
| 104-105 " " " " " " | 5.24 | 12.6 | .898 | .070 |
| 105-106 " " " " " " | 3.43 | 27.6 | .907 | 1.70 |
| 106-107 " " " " " " | 4.75 | 42.0 | .897 | 2.54 |
| 107-108 " " " " " " | 6.95 | 63.7 | .903 | 3.93 |
| 108-109 " " " " " " | 3.76 | 30.4 | .907 | 1.92 |
| 109-110 " " " " " " | 3.53 | 10.5 | .917 | 1.41 |
| 110-111 Hole 3 box 4 110-120 | 2.36 | 14.8 | .914 | 1.53 |
| 111-112 " " " " " " | 2.15 | 9.49 | .892 | 1.44 |
| 112-113 " " " " " " | 3.26 | 13.6 | .901 | 1.01 |
| 113-114 " " " " " " | 3.94 | 6.93 | .917 | .929 |
| 114-115 " " " " " " | 2.12 | 6.51 | .910 | 1.25 |
| 115-116 " " " " " " | .702 | 8.10 | .919 | .898 |
| 116-117 " " " " " " | 1.06 | .000 | .910 | .442 |
| 117-118 " " " " " " | 1.65 | .078 | .910 | .000 |
| 118-119 " " " " " " | 1.42 | .156 | .910 | .138 |
| 119-120 " " " " " " | .476 | .314 | .910 | .477 |
| 39-40 Hole 4 box 1 39-49 | 4.90 | .487 | .910 | .302 |
| 40-41 " " " " " " | 3.22 | 2.45 | .910 | 0 |
| 41-42 " " " " " " | 2.77 | 1.72 | .910 | 0 |
| 42-43 " " " " " " | 7.62 | .393 | .910 | 0 |
| 43-44 " " " " " " | 2.06 | 2.12 | .910 | 0 |
| 44-45 " " " " " " | 2.87 | 4.18 | .910 | .110 |
| 45-46 " " " " " " | 2.57 | 2.36 | .910 | .078 |
| 46-47 " " " " " " | 3.06 | 5.51 | .910 | 0 |
| 47-48 " " " " " " | 4.69 | 20.7 | .914 | 1.22 |
| 48-49 " " " " " " | 4.76 | 19.5 | .913 | 1.20 |

John T. ...

U.S.G.S.

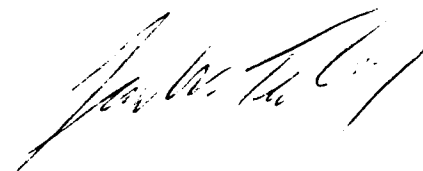
Colorado School of Mines Research Institute

March 12, 1980

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CSMRI

| | Water gallons/ton | Oil gallons/ton | Specific Gravity | Gas + Loss |
|--------------------------|----------------------|--------------------|---------------------|---------------|
| 49-50 Hole 4 box 2 39-49 | 3.27 | 30.3 | .907 | 2.57 |
| 50-51 " " " " " | 2.96 | 28.3 | .910 | 2.56 |
| 51-52 " " " " " | 3.53 | 13.2 | .920 | 1.21 |
| 52-53 " " " " " | 2.86 | 11.6 | .923 | 1.09 |
| 53-54 " " " " " | 1.92 | 16.8 | .912 | 1.49 |
| 54-55 " " " " " | 1.88 | 6.93 | .889 | 1.16 |
| 55-56 " " " " " | 1.67 | 17.0 | .919 | 1.14 |
| 56-57 " " " " " | 3.51 | .875 | .910 | .547 |
| 57-58 " " " " " | 2.39 | .236 | .910 | .110 |
| 58-59 " " " " " | 1.87 | .539 | .910 | .088 |
| 59-60 Hole 4 box 3 59-69 | 3.04 | .977 | .910 | .020 |
| 60-61 " " " " " | 1.41 | 2.31 | .910 | .108 |
| 61-62 " " " " " | .713 | 9.06 | .929 | .059 |
| 62-63 " " " " " | .711 | 10.9 | .928 | .317 |
| 63-64 " " " " " | .233 | 10.5 | .930 | .399 |
| 64-65 " " " " " | .474 | 11.3 | .929 | .741 |
| 65-66 " " " " " | .716 | 11.8 | .929 | .508 |
| 66-67 " " " " " | .711 | 5.75 | .910 | .287 |
| 67-68 " " " " " | .236 | 4.97 | .910 | .570 |
| 68-69 " " " " " | .462 | 1.40 | .910 | .434 |



U.S.G.S.

Colorado School of Mines Research Institute

April 7, 1980

P.O. BOX 112 • GOLDEN, COLORADO 80401

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CSMRI

| | Water gal/ton | Oil gal/ton | Specific Gravity | Gas + Loss |
|--------------------------|------------------|----------------|---------------------|---------------|
| 69-70 Hole 4 Box 4 69-79 | 0.717 | 1.47 | 0.910 | 0.738 |
| 70-71 " " " | 1.20 | 1.69 | 0.910 | 0.860 |
| 71-72 " " " | 1.42 | 1.66 | 0.910 | 0.850 |
| 72-73 " " " | 0.940 | 1.94 | 0.910 | 0.637 |
| 73-74 " " " | 0.239 | 0.629 | 0.910 | 0.458 |
| 74-75 " " " | 0.710 | 0.000 | ----- | 0.523 |
| 75-76 " " " | 0.950 | 0.940 | 0.910 | 0.634 |
| 76-77 " " " | 0.478 | 1.31 | 0.910 | 0.894 |
| 77-78 " " " | 0.942 | 1.01 | 0.910 | 0.600 |
| 78-79 " " " | 1.67 | 0.184 | 0.910 | 0.330 |
| 79-80 Hole 4 Box 5 79-89 | 2.62 | 1.50 | 0.910 | 0.883 |
| 80-81 " " " | 0.701 | 1.95 | 0.910 | 0.721 |
| 81-82 " " " | 0.710 | 0.857 | 0.910 | 1.055 |
| 82-83 " " " | 0.716 | 1.39 | 0.910 | 0.667 |
| 83-84 " " " | 0.687 | 1.36 | 0.910 | 0.631 |
| 84-85 " " " | 0.461 | 0.000 | ----- | 0.462 |
| 85-86 " " " | 2.12 | 0.00 | ----- | 0.805 |
| 86-87 " " " | 6.55 | 0.000 | ----- | 0.424 |
| 87-88 " " " | 1.16 | 0.74 | 0.910 | 0.688 |
| 88-89 " " " | 0.71 | 0.600 | 0.910 | 0.069 |

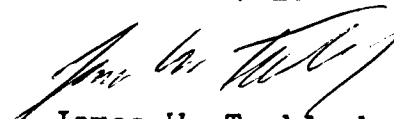

James W. Tecklenburg
Manager,
Analytical
Services

Table 3.--Fischer assay results for core holes WR-1 through WR-7--Continued

| U-97 | | | | | |
|----------|----------|------------|------------|---------|---------------|
| USGS | | W.R.-4 | 15S 22E 30 | | |
| Depth-St | Depth-Ed | Gas + Loss | Oil GPT | Wtr GPT | Oil Spec Grav |
| 39 | 40 | 0.3 | 0.4 | 4.9 | 0.910 |
| 40 | 41 | 0.0 | 2.4 | 3.2 | 0.910 |
| 41 | 42 | 0.0 | 1.7 | 2.7 | 0.910 |
| 42 | 43 | 0.0 | 0.3 | 7.6 | 0.910 |
| 43 | 44 | 0.0 | 2.1 | 2.0 | 0.910 |
| 44 | 45 | 0.1 | 4.1 | 2.8 | 0.910 |
| 45 | 46 | 0.0 | 2.3 | 2.5 | 0.910 |
| 46 | 47 | 0.0 | 5.5 | 3.0 | 0.910 |
| 47 | 48 | 1.2 | 20.7 | 4.6 | 0.914 |
| 48 | 49 | 1.2 | 19.5 | 4.7 | 0.913 |
| 49 | 50 | 2.5 | 30.3 | 3.2 | 0.907 |
| 50 | 51 | 2.5 | 28.3 | 2.9 | 0.910 |
| 51 | 52 | 1.2 | 13.2 | 3.5 | 0.920 |
| 52 | 53 | 1.0 | 11.6 | 2.8 | 0.923 |
| 53 | 54 | 1.4 | 16.8 | 1.9 | 0.912 |
| 54 | 55 | 1.1 | 6.9 | 1.8 | 0.889 |
| 55 | 56 | 1.1 | 17.0 | 1.6 | 0.919 |
| 56 | 57 | 0.5 | 0.8 | 3.5 | 0.910 |
| 57 | 58 | 0.1 | 0.2 | 2.3 | 0.910 |
| 58 | 59 | 0.0 | 0.5 | 1.8 | 0.910 |
| 59 | 60 | 0.0 | 0.9 | 3.0 | 0.910 |
| 60 | 61 | 0.1 | 2.3 | 1.4 | 0.910 |
| 61 | 62 | 0.0 | 9.0 | 0.7 | 0.929 |
| 62 | 63 | 0.3 | 10.9 | 0.7 | 0.928 |
| 63 | 64 | 0.3 | 10.5 | 0.2 | 0.930 |
| 64 | 65 | 0.7 | 11.3 | 0.4 | 0.929 |
| 65 | 66 | 0.5 | 11.8 | 0.7 | 0.929 |
| 66 | 67 | 0.2 | 5.7 | 0.7 | 0.910 |
| 67 | 68 | 0.5 | 4.9 | 0.2 | 0.910 |
| 68 | 69 | 0.4 | 1.4 | 0.4 | 0.910 |
| 69 | 70 | 0.7 | 1.4 | 0.7 | 0.910 |
| 70 | 71 | 0.8 | 1.6 | 1.2 | 0.910 |
| 71 | 72 | 0.8 | 1.6 | 1.4 | 0.910 |
| 72 | 73 | 0.6 | 1.9 | 0.9 | 0.910 |
| 73 | 74 | 0.4 | 0.6 | 0.2 | 0.910 |
| 74 | 75 | 0.5 | 0.0 | 0.7 | 0.910 |
| 75 | 76 | 0.6 | 0.9 | 0.9 | 0.910 |
| 76 | 77 | 0.8 | 1.3 | 0.4 | 0.910 |
| 77 | 78 | 0.6 | 1.0 | 0.9 | 0.910 |
| 78 | 79 | 0.3 | 0.1 | 1.6 | 0.910 |
| 79 | 80 | 0.8 | 1.5 | 2.6 | 0.910 |
| 80 | 81 | 0.7 | 1.9 | 0.7 | 0.910 |
| 81 | 82 | 1.0 | 0.8 | 0.7 | 0.910 |
| 82 | 83 | 0.6 | 1.3 | 0.7 | 0.910 |
| 83 | 84 | 0.6 | 1.3 | 0.6 | 0.910 |
| 84 | 85 | 0.4 | 0.0 | 0.4 | 0.910 |
| 85 | 86 | 0.8 | 0.0 | 2.1 | 0.910 |
| 86 | 87 | 0.4 | 0.0 | 6.5 | 0.910 |
| 87 | 88 | 0.6 | 0.7 | 1.1 | 0.910 |
| 88 | 89 | 0.0 | 0.6 | 0.7 | 0.910 |