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OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from H. M. Byllesby's Byllesby Well No. 3 drilled in SE1/4, NW1/4, SW1/4, (1,401 feet N/S 1,270 feet E/W)
of sec. 23, T. 13S., R. 20E., Uintah County, Utah

Surface elevation 6,127 feet

Mahogany Marker 4637

| Sample number | | Run No. | Yield of product | | | | Gal. per ton | | Specific gravity of oil at 60°/60°F. | Properties of spent shale Tendency to coke | Remarks |
|---------------|-----------|------------|------------------|-------|----------------|---------------|--------------|--|---|---|---------|
| | | | Weight percent | | Spent shale | Gas + loss | | | | | |
| Laramie | Their | | Oil | Water | | | | | Oil | Water | |
| SBR62-6375-76 | 316- 340 | | | | | | No oil | | | | |
| SBR62-6377 | 340- 350 | | | | | | Trace | | | | |
| SBR62-6378 | 360- 370 | | | | | | Trace | | | | |
| SBR62-6379 | 370- 380 | | | | | | b | | | | |
| SBR62-6380-82 | 380- 410 | | | | | | No oil | | | | |
| SBR62-6383-85 | 410- 440 | | | | | | Trace | | | | |
| SBR62-6386-89 | 440- 480 | | | | | | No oil | | | | |
| SBR62-6390 | 480- 490 | | | | | | Trace | | | | |
| SBR62-6391-93 | 490- 520 | | | | | | No oil | | | | |
| SBR62-6394-95 | 520- 540 | | | | | | b | | | | |
| SBR62-6396 | 540- 550 | | | | | | Trace | | | | |
| SBR62-6397-99 | 550- 580 | | | | | | No oil | | | | |
| SBR62-6400 | 580- 590 | | | | | | Trace | | | | |
| SBR62-6401 | 590- 600 | | | | | | No oil | | | | |
| SBR62-6402-03 | 600- 620 | | | | | | Trace | | | | |
| SBR62-6404 | 620- 630 | | | | | | b | | | | |
| SBR62-6405 | 630- 640 | | | | | | Trace | | | | |
| SBR62-6406-17 | 640- 760 | | | | | | No oil | | | | |
| SBR62-6418 | 760- 770 | | | | | | b | | | | |
| SBR62-6419-40 | 770- 990 | | | | | | No oil | | | | |
| SBR62-6441 | 990-1000 | | | | | | c | | | | |
| SBR62-6442 | 1000-1010 | | | | | | Trace | | | | |
| SBR62-6443-50 | 1010-1090 | | | | | | No oil | | | | |
| SBR62-6451 | 1090-1100 | | | | | | b | | | | |
| SBR62-6452-60 | 1100-1190 | | | | | | No oil | | | | |
| SBR62-6461 | 1190-1200 | | | | | | Trace | | | | |
| SBR62-6462 | 1200-1210 | | | | | | No oil | | | | |
| SBR62-6463 | 1210-1220 | | | | | | Trace | | | | |
| SBR62-6464-81 | 1220-1400 | | | | | | No oil | | | | |
| SBR62-6482 | 1400-1410 | | | | | | b | | | | |

See footnotes at end of table.

Drill cutting samples received October 6, 1961; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from H. M. Byllesby's Byllesby Well No. 3 (Con.)

Surface elevation 6,127 feet

| Sample number | | Run No. | Yield of product | | | | Gal. per ton | | Specific gravity of oil at 60°/60°F. | Properties of spent shale Tendency to coke | Remarks |
|-----------------|-----------|---------|------------------|-------|-------------|------------|--------------|-----|--------------------------------------|---|---------|
| | | | Weight percent | | Spent shale | Gas + loss | | | | | |
| Laramie | Their | | Oil | Water | | | | | Oil | Water | |
| SBR62-6483-84 | 1410-1430 | | | | | | No oil | | | | |
| SBR62-6485-86 | 1430-1450 | | | | | | Trace | | | | |
| SBR62-6487-88 | 1450-1470 | | | | | | No oil | | | | |
| SBR62-6489 | 1470-1480 | | | | | | Trace | | | | |
| SBR62-6490 | 1480-1490 | 80025 | 0.9 | 1.0 | 97.7 | 0.4 | 2.4a | 2.4 | | None | |
| SBR62-6491 | 1490-1500 | 80026 | 1.7 | 1.8 | 96.0 | .5 | 4.5a | 4.3 | | None | |
| SBR62-6492 | 1500-1510 | | | | | | b | | | | |
| SBR62-6493 | 1510-1520 | | | | | | Trace | | | | |
| SBR62-6494 | 1520-1530 | | | | | | b | | | | |
| SBR62-6495-96 | 1530-1550 | | | | | | Trace | | | | |
| SBR62-6497 | 1550-1560 | | | | | | b | | | | |
| SBR62-6498-6500 | 1560-1590 | | | | | | Trace | | | | |
| SBR62-6501-02 | 1590-1610 | | | | | | No oil | | | | |
| SBR62-6503-04 | 1610-1630 | | | | | | Trace | | | | |
| SBR62-6505 | 1630-1640 | | | | | | No oil | | | | |
| SBR62-6506-07 | 1640-1660 | | | | | | Trace | | | | |
| SBR62-6508-10 | 1660-1690 | | | | | | No oil | | | | |
| SBR62-6511 | 1690-1700 | | | | | | Trace | | | | |
| SBR62-6512-14 | 1700-1730 | | | | | | b | | | | |
| SBR62-6515 | 1730-1740 | | | | | | Trace | | | | |
| SBR62-6516-17 | 1740-1760 | | | | | | No oil | | | | |
| SBR62-6518 | 1760-1770 | | | | | | Trace | | | | |
| SBR62-6519-41 | 1770-2000 | | | | | | No oil | | | | |
| SBR62-6542 | 2010-2020 | | | | | | No oil | | | | |
| SBR62-6543 | 2020-2030 | | | | | | c | | | | |
| SBR62-6544-45 | 2030-2050 | | | | | | Trace | | | | |
| SBR62-6546-70 | 2050-2300 | | | | | | No oil | | | | |
| SBR62-6571-79 | 2810-2900 | | | | | | No oil | | | | |
| SBR62-6580-81 | 3200-3220 | | | | | | No oil | | | | |
| SBR62-6582-87 | 3240-3300 | | | | | | No oil | | | | |

a - Specific gravity estimated due to insufficient oil.

b - Less than 1.0 gallon of oil per ton of shale.

c - More than 1.0 but less than 3.0 gallons of oil per ton of shale.

Drill cutting samples received October 6, 1961; assays made on air-dried samples