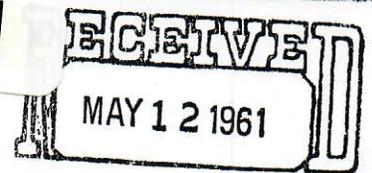


CORE No. 1 - 4974' - 5018' - Recovered 44'



| | | |
|---------------|------|--|
| 4974 - 4979.4 | 5'3" | Shale, medium gray, limey, silty |
| 4979.4 - 4987 | 7'9" | SANDSTONE - fine grained, sub-angular, sugary, gray gray stained dark brown, bleeding oil, w/vertical fracture at 4984-4985. |
| 4987 - 4988 | 1' | SNADSTONA - as above, possible bleeding oil and water |
| 4988 - 4989 | 1' | SANDSTONE - as above, w/vertical fractures and 24" cross laminations. |
| 4989 - 4990 | 1' | SNADSTONE - as above w/3" thin shale partings. |
| 4990 - 4991 | 1' | SNADSTONE - as above - solid stain - ends at 4990'.8 leaving white sandstone |
| 4991 - 4993 | 2' | SANDSTONE - white to gray; wet w/1" shale break at 4992'.; bleeding water. |
| 4995 - 4996 | 1' | SANDSTONE - as above except reworked - hard and tight |
| 4996 - 4999 | 3ft. | SANDSTONE - very fine-grained, hard and tight, erratic stain, gassy, bleeding gas and water. |
| 4999 - 5005 | 6' | SANDSTONE - as above - light gray streaks with dark staining bleeding muddy water and oil; gassy |
| 5005 - 5007.5 | 2.5' | SANDSTONE - light gray, quartzitic sandstone - very tight; strong odor. |
| 5007.5 - 5008 | .5 | SANDSTONE - as above streaked with shale; good odor, but no staining. |
| 5008 - 5009.5 | 1.5 | SANDSTONE - as above w/uniform to streaked dark brown staining. |
| 5009.5 - 5010 | .5 | SANDSTONE - as above w/some shale streaks |
| 5010 - 5012.5 | 2.5' | SANDSTONE, gray, hard tight, looks wet; no stain, no odor |
| 5012.5 - 5018 | 5.5 | SHALE - gray w/thin streaks gray sandstone. |

DRILL STEM TEST NO. 1

Halliburton Tool
Straddle Packers - 4978 - 4988
Tool opened with weak blow, but built up to medium blow
Open for 1-1/2 hours.
Recovered 55' free oil, 1445' muddy water
Initial flow pressure - 100 lbs.
Final flow pressure - 663 lbs.
Initial shut in pressure - 1242 lbs.
Final shut in pressure - 1215 lbs.
Shut in - 30 minutes