

CORE LABORATORIES-CANADA LTD.
CALGARY ALBERTA

Company - SOCONY MOBIL OIL OF CANADA, LTD.	Date Report - FEBRUARY 22, 1965	Page - 1 of 2
Well - S.M.W.M. Chance YT G-8	Formation - -	File - CNP-4-2674
Field - WILDCAT, EAGLE PLAINS AREA, YUKON TERRITORY	D. Fluid - WATER BASE MUD	Analysts - JA RY SS
Location - -	Analysis - ROUTINE CONVENTIONAL	Remarks - DIAMOND CORES

SAMPLE NUMBER	DEPTH REPRESENTED	FOOTAGE REPRESENTED	PERMEABILITY MILLIDARCY	POROSITY PER CENT	POROSITY X FEET	RESIDUAL SATURATION		VISUAL EXAMINATION
	FEET					OIL % PORE	TOTAL WATER % PORE	
CORE NO. 4 4263' - 4273' (Rec. 9.7')								
1	4263.0-4264.0	1.0	1.9	10.8	10.80	-	-	Coarse sand, limy
2	4264.0-4265.0	1.0	1.7	10.2	10.20	-	-	Coarse sand, limy
3	4265.0-4266.1	1.1	2.0	10.5	11.55	-	-	Coarse sand, limy
4	4266.1-4267.2	1.1	1.2	9.9	10.89	-	-	Medium sand, limy
5	4267.2-4267.9	0.7	1.5	9.0	6.30	-	-	Medium sand, limy
6	4267.9-4268.9	1.0	18.	11.0	11.00	-	-	Coarse sand, limy
7	4268.9-4270.0	1.1	5.8	10.4	11.44	-	-	Coarse sand, limy
8	4270.0-4271.0	1.0	2.1	9.3	9.30	-	-	Coarse sand, limy
9	4271.0-4272.3	1.3	2.8	9.8	12.74	-	-	Coarse sand, limy
-	4272.3-4273.0	0.7	-	-	-	-	-	Lost or not received
CORE NO. 5 4397' - 4407' (Rec. 8.8')								
10	4397.0-4398.2	1.2	28.	13.2	15.84	8.1	8.1	Medium sand, limy
11	4398.2-4399.3	1.1	27.	13.2	14.52	8.5	7.3	Medium sand, limy
12	4399.3-4400.4	1.1	1.6	11.2	12.32	11.3	15.5	Medium sand, limy
13	4400.4-4401.5	1.1	2.4	11.0	12.10	7.5	11.9	Medium sand, limy
14	4401.5-4402.6	1.1	0.3	8.4	9.24	9.2	29.6	Medium sand, limy
15	4402.6-4403.9	1.3	0.2	7.3	9.49	9.1	36.3	Medium sand, limy
16	4403.9-4404.9	1.0	<0.1	3.1	3.10	22.1	27.8	Medium sand, limy
17	4404.9-4405.7	0.8	0.2	2.0	1.60	35.7	14.3	Fine sand, limy
-	4405.7-4405.8	0.1	-	-	-	-	-	Dense, shaly
-	4405.8-4407.0	1.2	-	-	-	-	-	Lost core

SAMPLE NUMBER	DEPTH REPRESENTED	FOOTAGE REPRESENTED	PERMEABILITY MILLIDARCYS	POROSITY PER CENT	POROSITY X FEET	RESIDUAL SATURATION OIL % PORE	TOTAL WATER % PORE	VISUAL EXAMINATION
	FEET							
CORE NO. 6 4542' - 4562' (Rec. 20.0')								
-	4542.0-4551.5	9.5	-	-	-	-	-	Not received
18	4551.5-4552.5	1.0	0.3	2.3	2.30	0.0	19.1	Fine sand, limy
19	4552.5-4553.4	0.9	0.1	1.7	1.53	0.0	23.5	Coarse sand, limy
20	4553.4-4554.3	0.9	91.	9.9	8.91	31.2	10.8	Coarse sand, slightly limy
21	4554.3-4555.2	0.9	17.	8.4	7.56	36.6	8.9	Coarse sand, slightly limy
22	4555.2-4556.1	0.9	1.5	5.6	5.04	36.1	16.0	Coarse sand, slightly limy
-	4556.1-4556.4	0.3	-	-	-	-	-	Dense
-	4556.4-4562.0	5.6	-	-	-	-	-	Not received

Tests were made on one sample from each core to determine effect of pyrobitumen solubility, if any, on porosity.

The tests on Cores 4 and 5 indicate that the pyrobitumen solubility effect on porosity of core handled routinely is negligible. There is a slight increase in porosity after a greatly prolonged exposure to solvents.

No conclusive results were obtained on Core No. 6 due to the heavy oil staining.

Since the content of bituminous material of these cores is comparatively low, the above conclusions may not be valid for other cores or wells in this area.

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DATA TO BE REPORTED ON FINAL REPORTS FOR MOBIL OIL OF CANADA, LTD.

1. Address of laboratory making analysis 2425 - 2A Street S.E., Calgary, Alberta
2. Type of coring fluid used Water Base
3. Diameter of core received by laboratory 3-1/2"
4. Method used to preserve core prior to analysis Nil
5. Sample dimensions (if plugs and full diameter samples are used in the analysis, give dimensions of both)
Drilled plugs 1" diameter x 2" long
6. Cleaning and handling procedures (on full cores, should note whether sample ends were faced, extraction solvents used, and whether damaged surface of large cores was removed by sand blasting prior to permeability measurement)
Toluene extraction
7. Method used for fluid saturation determinations or calculations Conventional Retort
8. Corrections (oil density factor, salinity corrections, etc.) applied to liquid volumes obtained in Item 7. Nil
9. Equipment used for measuring permeability (Hassler cell, tapered stopper etc.)
Hassler Holder
10. Procedure for measuring porosity. Should include whether pore volume was measured directly or calculated
Direct Pore Volume measurement by gas expansion
11. Correction for gas permeability for slippage (Klinkenberg), if made: Nil

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File No. CNP-4-2674 Analysts JA RY SS