



CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

NOV 17 1971

Page No. 1

CORE ANALYSIS RESULTS

Company ANDERSON OIL COMPANY Formation DAKOTA File RP-3-2482
Well EL NORTE NO. 1 Core Type DIAMOND 4" Date Report 8-20-71
Field UNDESIGNATED Drilling Fluid WATER BASE MUD Analysts RG
County SAN JUAN State NEW MEX. Elev. 6595'KB Location NE SW SEC 17-T21N-R8W

Lithological Abbreviations

SAND-SD SHALE-SH LINE-LM DOLOMITE-DOL CHERT-CH GYPSUM-GYP ANHYDRITE-ANHY CONGLOMERATE-CONG FOSSILIFEROUS-FOSS SANDY-SOY SHALY-SHY LIMY-LMY FINE-FN MEDIUM-MED COARSE-CSE CRYSTALLINE-XLM GRAIN-GRN GRANULAR-GRNL BROWN-BRN GRAY-GY VUGGY-VGY FRACTURED-FRAC LAMINATION-LAM STYLOLITIC-STY SLIGHTLY-SL/ VERY-V/ WITH-W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYs (KA)	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		SAMPLE DESCRIPTION AND REMARKS
				OIL	TOTAL WATER	

(CONVENTIONAL ANALYSIS)

1	4661-62	36	17.1	1.2	52.0	Sd Lt Gy Fn Grn Frac
2	62-63	28	14.5	0.0	61.3	Sd Lt Gy Fn Grn Frac
3	63-64	37	16.2	6.8	44.4	Sd Lt Gy Fn Grn Frac
4	64-65	80	19.6	5.6	52.0	Sd Lt Gy Fn Grn Frac
5	65-66	99	18.5	8.1	50.8	Sd Lt Gy Fn Grn Frac
6	66-67	91	17.4	2.9	43.7	Sd Lt Gy Fn Grn Frac
7	67-68	44	16.5	4.8	63.6	Sd Lt Gy Fn Grn Carb Frac
8	68-69	64	16.0	0.0	71.9	Sd Lt Gy Fn Grn Frac
9	69-70	79	14.9	0.7	68.8	Sd Lt Gy Fn Grn
10	70-71	69	15.2	0.0	71.8	Sd Lt Gy Fn Grn Frac
11	71-72	56	14.9	0.0	75.2	Sd Lt Gy Fn Grn Clay
12	72-73	41	14.2	0.0	84.5	Sd Lt Gy Fn Grn Carb Clay
13	4674-75	<0.1	9.9	7.1	28.1	Sd Drk Gy Fn Grn Silty
14	75-76	17	12.9	0.8	32.5	Sd Gy-Tn Fn Grn Frac
15	76-77	21	13.2	0.0	56.0	Sd Gy-Tn Fn Grn Frac
16	77-78	0.6	10.8	0.9	78.6	Sd Gy-Tn Fn Grn Carb Clay
17	78-79	77	19.4	0.0	64.9	Sd Lt Gy Med Grn Clay
18	79-80	65	18.7	0.0	59.3	Sd Lt Gy Fn-Med Grn Clay
19	80-81	73	18.1	0.0	65.1	Sd Lt Gy Fn-Med Grn Clay
20	81-82	84	19.8	0.0	62.7	Sd Lt Gy Fn-Med Grn Clay
21	82-83	57	19.7	0.0	60.9	Sd Lt Gy Fn-Med Grn Clay
22	83-84	<0.1	13.3	0.0	63.8	Sd Gy Fn Grn Carb Clay
23	84-85	23	17.6	0.6	70.4	Sd Gy Fn Grn
24	85-86	79	18.2	0.0	62.0	Sd Gy Fn-Med Grn Clay
25	86-87	38	18.2	0.0	65.4	Sd Gy Fn-Med Grn Clay
26	87-88	0.3	13.0	0.0	57.6	Sd Lt Gy Fn Grn Clay
27	88-89	50	19.3	0.0	59.1	Sd Lt Gy Fn Grn Clay
28	89-90	30	19.6	0.0	60.2	Sd Lt Gy Fn Grn Clay
29	90-91	44	23.7	0.0	64.6	Sd Gy Fn-Med Grn Clay
30	91-92	62	19.1	0.0	65.9	Sd Gy Fn-Med Grn
31	92-93	109	18.3	0.6	57.0	Sd Gy Fn-Med Grn
32	93-94	83	19.6	0.0	57.6	Sd Gy Fn-Med Grn Clay
33	94-95	300	19.7	0.0	71.1	Sd Gy Med Grn Clay
34	95-96	63	19.7	0.5	73.6	Sd Gy Med Grn Clay
35	96-97	78	15.3	0.0	56.8	Sd Gy Med Grn Clay

CORE LABORATORIES, INC.
 Petroleum Reservoir Engineering
 DALLAS, TEXAS

Page No. 2

CORE ANALYSIS RESULTS

Company ANDERSON OIL COMPANY Formation DAKOTA File RP-3-2482
 Well EL NORTE NO. 1 Core Type DIAMOND 4" Date Report 8-20-71
 Field UNDESIGNATED Drilling Fluid WATER BASE MUD Analysts RG
 County SAN JUAN State NEW MEX. Elev. 6595'KB Location NE SW SEC 17-T21N-R8W

Lithological Abbreviations

SAND - SD SHALE - SH LIME - LM	DOLOMITE - DOL CHERT - CH GYPSUM - GYP	ANHYDRITE - ANHY CONGLOMERATE - CONG FOSSILIFEROUS - FOSS	SANDY - SDY SHALY - SHY LIMY - LIMY	FINE - FN MEDIUM - MED COARSE - CSE	CRYSTALLINE - XLN GRAIN - GRN GRANULAR - GRNL	BROWN - BRN GRAY - GR MUGGY - MGY	FRACTURED - FRAC LAMINATION - LAM STYLOLITIC - STY	SLIGHTLY - SL/ VERY - V/ WITH - W/
--------------------------------------	--	---	---	---	---	---	--	--

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCY (K _A)	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		SAMPLE DESCRIPTION AND REMARKS
				OIL	TOTAL WATER	
36	4697-98	68	19.8	0.0	69.2	Sd Gy Med Grn Clay
37	98-99	71	20.6	0.0	61.2	Sd Gy Med Grn Clay
38	4699-00	<0.1	4.3	0.0	49.7	Sd Gy Fn Grn Qtz
39	4700-01	30	16.7	0.0	76.7	Sd Gy Fn Grn
40	01-02	58	14.9	0.0	77.3	Sd Gy Fn-Med Grn
41	02-03	33	12.9	0.0	64.3	Sd Gy Fn Grn
42	03-04	66	15.9	0.0	76.1	Sd Gy Fn Grn
43	04-05	11	14.0	0.0	80.7	Sd Gy Fn Grn
44	05-06	94	16.2	0.0	72.1	Sd Gy Fn Grn Frac
45	06-07	68	16.6	0.0	68.1	Sd Gy Fn-Med Grn