

PHILLIPS PETROLEUM COMPANY
STATE E NO. 25
LEA COUNTY, NEW MEXICO

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OIL CONSERVATION COMM.
HOBBS, N. M.

October 8, 1976

Phillips Petroleum Company
Phillips Building
Odessa, Texas

File: 3102-10017
Subject: Core Analysis
State "E" No. 25 Well
Lea, New Mexico

Gentlemen:

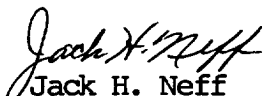
Diamond coring equipment and water base mud was used to core the Queen formation from 3793 to 3842 feet and the Grayburg-San Andres from 4450 to 4628 feet in the subject well and transported to Midland, Texas for analysis and Core Gamma Log.

The above formations were analyzed by regular conventional plug type analysis as directed by a representative of Phillips Petroleum Company. The results of the analysis are presented in tabular form and Core Gamma Correlation graph.

Thank you for the opportunity to be of service.

Very truly yours,

CORE LABORATORIES, INC.


Jack H. Neff
Laboratory Supervisor

JHN/jm

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PALATKA : 11 X 6 1/2

* INDICATES PLUG FROM \$ ILLICIT SOURCE. V.D. = VENDOR.

CONVENTIONAL ANALYSIS

1	3801.2-02.0	<0.1	2.5	0.0	53.2	DOL/F/G,SDY,APR
2	3802.0-03.0	<0.1	5.1	0.0	78.2	DOL/F/G,SDY,APR
3	3803.0-04.0	<0.1	5.6	0.0	74.7	DOL/F/G,SDY,APR
4	3804.0-05.0	<0.1	5.1	0.0	77.9	DOL/F/G,SDY,APR
5	3805.0-06.0	<0.1	5.2	0.0	78.3	DOL/F/G,SDY,APR
6	3806.0-07.0	<0.1	4.9	0.0	70.1	DOL/F/G,SDY,APR
7	3807.0-08.0	<0.1	4.8	0.0	67.2	DOL/F/G,SDY,APR
8	3808.0-09.0	<0.1	4.5	0.0	46.6	SD,F/G,DOL
9	3809.0-10.0	0.2	9.1	13.7	54.6	SD,F/G,DOL,SHR
10	3810.0-11.0	0.9	10.3	11.5	50.1	SD,F/G,DOL,SHR
11	3811.0-12.0	0.4	9.8	16.7	54.5	SDF/G,DOL,SHR
12	3812.0-13.0	2.0	18.4	18.2	48.4	SD,F/G,DOL,SHR
13	3813.0-14.0	0.7	11.4	13.9	64.0	SD,F/G,DOL,SHR
14	3814.0-15.0	0.9	13.4	24.3	39.9	SD,F/G,DOL,SHR
15	3815.0-16.0	3.7	13.2	23.8	44.6	SD,F/G,DOL,SHR
16	3816.0-17.0	4.1	15.3	27.7	54.3	SD,F/G,DOL,SHR
17	3817.0-18.0	2.2	15.5	27.0	48.8	SD,F/G,DOL,SHR
18	3818.0-19.0	0.3	12.3	7.5	62.8	SD,F/G,DOL
19	3819.0-20.0	43.0	21.0	12.7	64.9	SD,F/G
20	3820.0-21.0	70.0	22.7	35.0	24.9	SD,F/G,DOL
21	3821.0-22.0	3.4	13.1	38.3	5.4	SD,F/G,DOL
22	3822.0-23.0	1.3	9.4	0.1	71.3	SD,F/G,DOL
23	3823.0-24.0	1.6	8.6	0.0	47.1	SD,F/G,DOL

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NO.	DEPTH	MAXIMUM TO APT. D.	90 DEG	VERT.	POSSIBILITY	FLUID (A)	WTR.	CL.	SH.
24	3824.0-25.0	3.0			15.4	0.0	27.7		SD, F/G, CL
25	3825.0-26.0	63.0			16.0	5.1	45.6		SD, F/G, CL
26	3826.0-27.0	0.6			11.4	5.8	37.7		SD, F/G, SHY
27	3827.0-28.0	0.8			15.4	18.3	52.5		SD, F/G, CL, SHY
28	3828.0-29.0	0.2			10.2	18.2	48.5		SD, F/G, CL
29	3829.0-30.0	<0.1			3.5	0.0	67.6		SD, F/G, DCL, ANY
30	3830.0-31.0	<0.1			1.6	0.0	87.1		DCL, SHY, ANY
31	3831.0-32.0	<0.1			2.0	0.0	83.9		DCL, SHY, ANY
32	3832.0-33.0	<0.1			2.4	0.0	90.2		DCL, SHY, ANY
33	3833.0-34.0	<0.1			2.3	0.0	93.9		DCL, SHY, ANY
34	3834.0-35.0	<0.1			3.0	0.0	94.6		DCL, ANY
35	3835.0-36.0	0.2			3.4	21.5	5.4		DCL, SHY, ANY
36	3836.0-37.0	<0.1			2.0	0.0	86.5		DCL, ANY
	3837.0-42.0	ANY, SHY							
	3842.0-4450.0	DRILLED							
	4450.0-69.0	DOL, ANY							
	4469.0-71.0	DOL, ANY, SHY							
	4471.0-72.0	DOL, SDY							
	4472.0-77.5	DOL, SHY, SDY							
37	4477.5-78.0	0.2			8.9	11.3	45.3		SD, F/G, DOL
38	4478.0-79.0	0.6			10.9	10.9	54.4		SD, F/G, DOL
39	4479.0-80.0	1.7			15.9	12.0	38.5		SD, F/G, DOL
40	4480.0-81.0	9.5			15.3	19.8	33.4		SD, F/G, DOL, ANY
41	4481.0-82.0	24.0			2.1	13.5	45.6		SD, F/G, DOL

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Core Laboratories, Inc.
Petroleum Research Department
Houston, Texas

Well No. 42, 43, 44, 45, 46, 47, 48
Location: 10-2-76
Operator: SUR

No.	DEPTH	PERM. TO AIR LOG		POROSITY GLA. FLD.	FLUID SAT.		DISCREPANCY
		MAX. UP	90 DEG. V. RT.		OIL	WTR.	
42	4182.0-4183.0	38.0		29.7	13.7	45.0	SD, F/G, COL
43	4183.0-4184.0	2.9		14.0	9.6	41.0	SD, F/G, COL
	4184.0-4187.0	DOL, SHY					
	4187.0-4192.0	DOL, ANHY					
	4192.0-4195.0	DOL, SHY					
	4195.0-4205.0	DOL, SDY, SHY					
	4205.0-4211.0	DOL, ANHY, SL/SHY					
	4211.0-4223.0	DOL, V/SHY					
	4223.0-4226.0	DOL, ANHY, SL/SHY					
44	4531.0-4532.0	2.4		13.1	22.0	34.1	SD, F/G, COL
45	4532.0-4533.0	2.9		14.2	20.4	36.8	SD, COL
46	4533.0-4534.0	1.0		10.5	16.9	45.1	SD, COL
	4534.0-4536.0	DOL, SL/SDY					
	4536.0-4543.0	DOL, ANHY					
	4543.0-4545.0	DOL, ANHY, V/SHY					
	4545.0-4546.0	DOL, ANHY					
47	4566.0-4567.0	3.0		15.2	18.2	30.5	SD, CL, ANHY
48	4567.0-4568.0	2.6		8.1	17.7	45.6	SD, CL, ANHY
	4568.0-4569.0						

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4597.0-4628.0 DOL. ANHY

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