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CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

DALLAS, TEXAS

Page No. 1

CORE ANALYSIS RESULTS

Company PRESTON OIL COMPANY

Formation BIG INJUN

File CP-1-7498

Well B. G. S. GEARY NO. 2078

Core Type DIAMOND

Date Report 11-2-71

Field GRANNIES CREEK

Drilling Fluid WATER BASE MUD

Analysts BOYLE

County CLAY

State W. VA.

Elev. Location

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-LMY	FINE-FN MEDIUM-MED COARSE-CSE	CRYSTALLINE-XLN GRAIN-GRN GRANULAR-GRNL	BROWN-BRN GRAY-GY VUGGY-VGY	FRAC-TURED-FRAC LAMINATION-LAM STYLOLITIC-STY	SLIGHTLY-SL VERY-V/ WITH-W/
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SAMPLE NUMBER	DEPTH FEET CC 1	PERMEABILITY MILLIDARCY'S		POROSITY PER CENT CC 31	RESIDUAL SATURATION PER CENT PORE		VERT. PERM.	SAMPLE DESCRIPTION AND REMARKS
		PERM. MAX. CC 11	PERM. 90° CC 21		OIL	TOTAL WATER		
WHOLE CORE ANALYSIS DATA								
1	1971-72	<0.1	<0.1	0.6	0.0	66.7	<0.1	Lm
2	72-73	<0.1	<0.1	1.0	0.0	40.9	<0.1	Lm, sl/shy
3	73-74	<0.1	<0.1	0.9	0.0	51.2	<0.1	Lm, sl/shy
4	74-75	<0.1	<0.1	1.2	0.0	50.4	<0.1	Lm, sl/shy
5	75-76	<0.1	<0.1	1.3	0.0	60.0	<0.1	Lm
6	76-77	<0.1	<0.1	1.3	0.0	61.3	<0.1	Lm, sl/shy
	77-78							Shale
7	78-79	0.5	0.4	5.1	2.3	43.2	0.1	Sd, sl/lmy, sh stks
8	79-80	9.4	8.6	7.9	2.9	26.5	0.7	Sd, sl/lmy, sl/congl
9	80-81	0.7	0.7	7.3	2.4	26.2	0.3	Sd, sl/lmy, sl/congl
10	81-82	0.1	<0.1	6.6	2.5	47.5	<0.1	Sd, sl/lmy, sh stks
11	82-83	0.3	0.2	5.9	2.3	56.8	<0.1	Sd, sl/lmy, shy, w/sh stks, congl
12	83-84	0.9	0.8	11.9	6.3	43.8	<0.1	Sd, sl/congl
13	84-85	0.2	0.2	11.2	6.3	40.6	<0.1	Sd
14	85-86	0.2	0.1	7.5	5.7	40.0	<0.1	Sd, sl/congl
15	86-87	0.4	0.3	7.6	7.4	44.4	0.6	Sd, sl/congl
16	87-88	0.2	0.1	10.7	6.5	51.6	<0.1	Sd, silty, sl/congl
17	88-89	0.1	0.1	9.7	8.1	43.2	<0.1	Sd, sl/silky, sl/congl
18	89-90	0.1	0.1	8.6	9.4	50.0	<0.1	Sd, sl/silky, sl/congl
19	90-91	0.2	0.1	9.1	8.0	48.0	<0.1	Sd, sl/lmy, sl/congl
20	91-92	0.5	0.5	6.1	4.5	54.5	0.4	Sd, sl/lmy, sl/congl
21	92-93	0.1	0.1	9.3	5.9	47.1	0.2	Sd, sl/lmy
22	93-94	0.2	0.2	6.5	4.8	57.1	<0.1	Sd, sl/lmy, sl/congl
23	94-95	0.5	0.4	7.7	6.0	58.0	0.3	Sd, sl/lmy, sl/congl
24	95-96	0.6	0.4	14.6	10.2	64.4	<0.1	Sd, silty
25	96-97	0.5	0.4	13.6	6.4	63.8	<0.1	Sd, silty, sl/congl
26	97-98	0.1	0.1	13.6	7.3	68.3	<0.1	Sd, silty
27	98-99	0.1	0.1	15.4	11.1	66.7	<0.1	Sd, silty
28	1999-00	0.2	0.2	15.9	10.7	60.0	<0.1	Sd, silty
29	2000-01	0.3	0.2	16.0	10.9	59.4	<0.1	Sd, silty
30	01-02	0.1	0.1	14.7	10.0	63.3	<0.1	Sd, silty
31	02-03	0.1	0.1	15.0	9.8	62.7	<0.1	Sd, silty
32	03-04	0.2	0.1	15.0	9.3	59.3	<0.1	Sd, silty
33	04-05	0.2	0.2	16.0	12.9	54.8	<0.1	Sd, silty
34	05-06	0.3	0.3	16.7	13.8	58.6	0.2	Sd, silty
35	06-07	0.4	0.3	16.7	15.2	56.5	0.3	Sd, silty
36	07-08	0.4	0.3	16.8	14.1	56.3	0.2	Sd, silty
37	08-09	0.4	0.4	17.0	15.0	56.3	0.5	Sd, silty
38	09-10	8.0	3.9	17.8	14.6	54.9	0.8	Sd, silty
39	2010-11	0.1	0.1	17.3	15.6	54.7	<0.1	Sd, silty

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Petroleum Reservoir Engineering

DALLAS, TEXAS

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Well B. G. S. Geary No. 2078

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCY'S MAX. 90°	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		VERT. PERM.	SAMPLE DESCRIPTION AND REMARKS
				OIL	TOTAL WATER		
40	2011-12	0.1	0.1	16.6	14.3	55.1	<0.1 Sd, silty
41	12-13	0.1	0.1	15.8	14.0	59.6	<0.1 Sd, silty
42	13-14	0.1	0.1	16.3	15.2	57.0	<0.1 Sd, silty
43	14-15	0.1	0.1	15.9	10.4	63.6	<0.1 Sd, silty
44	15-16	0.1	0.1	14.9	10.2	64.4	<0.1 Sd, silty
45	16-17	0.1	0.1	15.0	9.2	60.0	<0.1 Sd, silty
46	17-18	0.2	0.1	16.1	9.9	66.2	<0.1 Sd, silty
47	18-19	0.1	0.1	15.4	8.7	73.9	<0.1 Sd, silty
48	19-20	0.1	0.1	16.0	9.3	69.8	<0.1 Sd, silty
49	20-21	0.2	0.1	16.9	9.1	72.7	<0.1 Sd, silty
50	21-22	0.1	0.1	16.1	8.3	73.3	<0.1 Sd, silty
51	22-23	0.1	0.1	15.7	9.1	72.7	<0.1 Sd, silty
52	23-24	0.1	0.1	15.7	10.0	71.7	<0.1 Sd, silty
53	24-25	0.1	0.1	15.7	10.3	74.4	<0.1 Sd, silty
54	25-26	0.1	0.1	16.1	7.8	72.5	<0.1 Sd, silty
55	26-27	<0.1*	10.8	2.1	83.3	<0.1	Sd, v/silty
56	27-28	<0.1*	3.6	0.0	85.7	<0.1	Sd, sh, v/silty
	2028-29						Shale