

Entered
6/19/91

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-DOOL CHERT-CH GYPSUM-GYP	ANHYDRITE-ANHY CONGLOMERATE-CONG FOSSILIFEROUS-FOSS	SANDY-SBY SNALY-SNY LIMY-LMY	FINE-FN MEDIUM-MEB COARSE-CSE	CRYSTALLINE-XLN GRAIN-GRN GRANULAR-GRNL	BROWN-BRN GRAY-GY YUGGY-VGY	FRACTURED-FRAC LAMINATION-LAM STYLOLITIC-STY	SLIGHTLY-SL VERY-V/ WITH-W/
--------------------------------	---	---	------------------------------------	-------------------------------------	---	-----------------------------------	--	-----------------------------------

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCS		POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		VERT. PERM.	SAMPLE DESCRIPTION AND REMARKS
		PERM. MAX. CGU	PERM. 30° CGU		OIL	TOTAL WATER		
WHOLE CORE ANALYSIS DATA								
1	1971-72	∅.1	∅.1	0.6	0.0	66.7	∅.1	Lm
2	72-73	∅.1	∅.1	1.0	0.0	40.9	∅.1	Lm, sl/shy
3	73-74	∅.1	∅.1	0.9	0.0	51.2	∅.1	Lm, sl/shy
4	74-75	∅.1	∅.1	1.2	0.0	50.4	∅.1	Lm, sl/shy
5	75-76	∅.1	∅.1	1.3	0.0	60.0	∅.1	Lm
6	76-77	∅.1	∅.1	1.3	0.0	61.3	∅.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	∅.1	6.6	2.5	47.5	∅.1	Sd, sl/lmy, sh stks
11	82-83	0.3	0.2	5.9	2.3	56.8	∅.1	Sd, sl/lmy, shy, w/sh stks, congl
12	83-84	0.9	0.8	11.9	6.3	43.8	∅.1	Sd, sl/congl
13	84-85	0.2	0.2	11.2	6.3	40.6	∅.1	Sd
14	85-86	0.2	0.1	7.5	5.7	40.0	∅.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	∅.1	Sd, silty, sl/congl
17	88-89	0.1	0.1	9.7	8.1	43.2	∅.1	Sd, sl/silty, sl/congl
18	89-90	0.1	0.1	8.6	9.4	50.0	∅.1	Sd, sl/silty, sl/congl
19	90-91	0.2	0.1	9.1	8.0	48.0	∅.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	∅.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	∅.1	Sd, silty
25	96-97	0.5	0.4	13.6	6.4	63.8	∅.1	Sd, silty, sl/congl
26	97-98	0.1	0.1	13.6	7.3	68.3	∅.1	Sd, silty
27	98-99	0.1	0.1	15.4	11.1	66.7	∅.1	Sd, silty
28	1999-00	0.2	0.2	15.9	10.7	60.0	∅.1	Sd, silty
29	2000-01	0.3	0.2	16.0	10.9	59.4	∅.1	Sd, silty
30	01-02	0.1	0.1	14.7	10.0	63.3	∅.1	Sd, silty
31	02-03	0.1	0.1	15.0	9.8	62.7	∅.1	Sd, silty
32	03-04	0.2	0.1	15.0	9.3	59.3	∅.1	Sd, silty
33	04-05	0.2	0.2	16.0	12.9	54.8	∅.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	∅.1	Sd, silty

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

Entered
6/19/91

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

15-932

File CP-1-7498 Page No. 2

Well B. G. S. Geary No. 2078

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYs		POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		VERT. PERM.	SAMPLE DESCRIPTION AND REMARKS
		MAX.	90°		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*		10.3	2.1	83.3	<0.1	Sd, v/silty
56	27-28	<0.1*		3.6	0.0	85.7	<0.1	Sd, chy, v/silty
	2028-29							Shale

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or pronatableness of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.