

CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

DALLAS, TEXAS

File WP-1-8539 Page No. 2Well PENNY FEDERAL NO. 1

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCS		POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		SAMPLE DESCRIPTION AND REMARKS
		MAX.	90°		OIL	TOTAL WATER	
32	7711.4-13.0	1.0	0.2	4.5	1.8	23.3	Dolomite, sl/vgy
33	13.0-14.7	0.1	<0.1	3.9	0.0	31.1	Dolomite, sl/vgy, sl/frac
34	14.7-16.0	<0.1	<0.1	4.7	1.0	25.1	Dolomite, vgy
35	16.0-17.4	0.1	0.1	6.3	1.3	24.1	Dolomite, vgy
36	17.4-18.8	<0.1	<0.1	1.5	0.0	45.0	Dolomite, shy, sty
37	18.8-20.2	0.1	0.1	3.2	0.0	31.1	Dolomite, sl/frac, sty
38	20.2-21.2	<0.1	<0.1	3.2	0.0	32.5	Dolomite, sty
39	21.2-22.2	0.2	0.1	4.9	2.3	27.8	Dolomite, vgy
40	22.2-23.6	<0.1	<0.1	2.9	0.0	26.1	Dolomite, vgy
41	23.6-24.2	<0.1	<0.1	2.1	0.0	41.4	Dolomite, sl/vgy
42	24.2-26.5	0.1	<0.1	3.0	0.0	43.6	Dolomite, vgy
43	26.5-27.7	<0.1	<0.1	3.9	1.9	34.9	Dolomite, vgy
44	27.7-29.0	<0.1	<0.1	3.7	1.3	53.5	Dolomite, vgy
45	29.0-30.2	0.5	<0.1	5.4	2.6	37.0	Dolomite, vgy, sl/frac
46	30.2-31.4	1.0	0.4	6.0	1.4	38.3	Dolomite, vgy
47	31.4-32.7	0.1	<0.1	8.9	0.9	40.8	Dolomite, vgy
48	32.7-34.0	14	13	5.3	1.6	40.4	Dolomite, vgy
49	34.0-35.6	0.6	<0.1	3.0	1.8	18.9	Dolomite, vert frac, sl/vgy, sl/frac
50	35.6-37.1	1.4	<0.1	3.8	2.4	40.4	Dolomite, vert frac, sl/frac
51	7737.1-38.4	0.2	<0.1	3.7	2.4	39.2	Dolomite, sl/vgy
52	7738.4-40.0	0.1	<0.1	2.7	0.0	30.5	Dolomite
	7740.0-53.0						Dolomite
53	7753.0-54.4	0.5	0.2	4.4	2.9	18.3	Dolomite, vgy, sl/frac
54	54.4-55.0	0.2	0.1	4.3	4.4	11.5	Dolomite, sl/vgy, sl/frac
55	55.0-57.4	0.4	0.2	4.2	2.7	23.8	Dolomite, sl/vgy, sty
56	57.4-58.7	0.2	0.1	4.1	2.9	26.6	Dolomite, sl/vgy, sl/frac
57	58.7-59.9	0.4	<0.1	4.1	2.9	29.5	Dolomite, sl/vgy, vert frac
58	59.9-61.3	4.7	0.1	2.9	2.9	21.0	Dolomite, sl/vgy, vert frac
59	61.3-62.7	<0.1	*	7.1	2.8	26.6	Dolomite, vgy, vert frac
60	62.7-64.2	1.0	0.3	6.9	2.1	32.0	Dolomite, vgy, vert frac
61	64.2-65.2	0.5	0.1	4.7	3.3	35.8	Dolomite, vgy, frac
62	7765.2-67.0	<0.1	<0.1	1.2	0.0	36.3	Dolomite, sl/vgy
	7767.0-73.0						Dolomite
63	7773.0-74.4	0.1	<0.1	4.0	0.0	19.0	Dolomite, sl/vgy, sl/frac
64	74.4-75.6	<0.1	<0.1	2.5	0.0	30.6	Dolomite, sl/vgy
65	75.6-76.9	11	<0.1	2.7	2.1	16.8	Dolomite, sl/vgy, sl/frac
66	76.9-78.0	0.5	0.1	3.0	2.6	25.9	Dolomite, vgy, sl/frac
67	78.0-79.0	3.1	0.9	4.2	2.0	18.3	Dolomite, frac, vgy
68	7779.0-80.8	0.5	0.2	4.1	1.1	15.5	Dolomite, sl/frac, vgy

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