

CORE LABORATORIES, INC.  
Petroleum Reservoir Engineering  
DALLAS, TEXAS

File WP-1-8539 Page No. 3  
Well PENNY FEDERAL NO. 1

## CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYs		POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		SAMPLE DESCRIPTION AND REMARKS
		MAX.	90°		OIL	TOTAL WATER	
69	7780.8-82.0	0.2	<0.1	2.0	2.9	16.4	Dolomite, sl/vgy, frac
70	82.0-83.4	0.5	0.3	3.5	2.9	19.4	
71	7783.4-85.0	0.5	<0.1	2.7	1.9	18.4	
	7785.0-86.0						Lost Core
72	7786.0-87.8	<0.1	<0.1	2.4	5.1	17.3	Dolomite, sl/vgy
73	7787.8-89.5	0.3	<0.1	3.1	4.3	16.1	Dolomite, sl/vgy
	7789.5-91.2						Dolomite
74	7791.2-92.5	<0.1	<0.1	1.7	0.0	24.2	Dolomite, sl/vgy
75	92.5-93.5	<0.1	<0.1	3.0	3.7	17.0	Dolomite, sl/vgy
76	93.5-95.0	<0.1	<0.1	3.3	2.2	17.9	Dolomite, sl/vgy
77	95.0-96.5	0.8	<0.1	3.1	2.9	15.4	Dolomite, sl/vgy
78	96.5-98.0	0.5	0.2	3.5	1.9	9.5	Dolomite, sl/vgy, vert frac
79	98.0-99.5	<0.1	<0.1	2.2	0.0	20.8	Dolomite, sl/vgy, vert frac, sty
80	99.5-00.8	<0.1	<0.1	4.1	1.3	20.6	Dolomite, sl/vgy
81	7800.8-02.0	<0.1	<0.1	2.5	2.4	16.6	Dolomite, sl/vgy
82	02.0-03.0	<0.1	<0.1	3.2	4.5	15.9	Dolomite, sl/vgy
83	7803.0-04.0	<0.1	<0.1	3.0	0.0	17.1	Dolomite, sl/vgy
	7804.0-36.0						Dolomite, shy

# INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (log) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sticks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and placement of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instructions for items 22 and 24 above.)

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## 37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
San Andres	515'		Lime & Dolomite	San Andres	515		+3167
Glorieta	2025'		Lime	Glorieta	2025		+1657
Abo	4810'		Lime & Shale	Abo	4810		-1128
Wolfcamp	5460'		Lime	Wolfcamp	5460		-1778
Cisco	7550'		Lime & Dolomite	Cisco	7550		-3868