

ENSERCH EXPLORATION INC.

LAMBIRTH NO. 3

WILDCAT

ROOSEVELT COUNTY, NEW MEXICO

CORE LABORATORIES, INC.



July 19, 1978

Enserch Exploration, Inc.
P.O. Box 4815
Midland, Texas 79701

File : 3202-10814
Subject: Core Analysis
Lambirth No. 3
Wildcat
Roosevelt County, New Mexico

Gentlemen:

The subject well was cored using diamond coring equipment and salt gel to obtain 4 ¼ inch diameter cores from 7760 to 7882 feet from the Fusselman formation.

Core analysis data is presented in tabular and graphical form for your convenience. A procedural page is also included with other pertinent data.

We trust these data will be useful in the evaluation of your property and thank you for the opportunity of serving you.

Very truly yours,

CORE LABORATORIES, INC.

A handwritten signature in black ink, reading "Jack H. Neff". The signature is written in a cursive, flowing style.

Jack H. Neff
Laboratory Supervisor

JHN/jdt/sg

Enserch Exploration, Inc.
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Procedural Page

The cores were preserved at the wellsite in a CO₂ atmosphere and transported to Midland by Core Laboratories, Inc. personnel.

A Core Gamma Log was recorded for downhole E-Log correlation.

Two sets of chips were taken from each core for Mr. Gerry Sandlin with Enserch.

Core analysis was made from intervals requested on whole core diameter samples.

Fluid removal and fluid saturations were determined using controlled temperature vacuum retort techniques.

Porosity was determined using whole core summation of fluids.

Air permeability was measured in two horizontal directions.

Core No. 1 was discarded after the analysis. Cores No. 2 and 3 are to be slabbed.

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering

DALLAS, TEXAS

ENSERCH EXPLORATION INC.

LAMBIRTH NO. 3

WILDCAT

ROOSEVELT COUNTY, NEW MEXICO

DATE: 7-5-78

FORMATION: AS NOTED

DRLG. FLUID: SALT GEL & 3.5% OIL

LOCATION: 1980 FNL & 1980 FEL, SEC. 31, T-5-S, R-30-E

FILE NO: 3202-10814

ENGINEER: DILLARD

ELEVATION: 4394 GL

* INDICATES PLUG PERM S INDICATES PRESERVED SAMPLE

SMP.	PERM. TO AIR MD.	POROSITY	FLUID SATS.	GR.
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WHOLE CORE ANALYSIS

CORE NO. 1 7760.0-7806.0 CUT 46' REC 45' FUSSELMAN

7760.0-63.0 LM, ANHY, DENSE, NO SHOW

7763.0-66.0 LM, ANHY, FOSS, DENSE, NO SHOW

7766.0-91.0 LM, ANHY, SL/SHY, DENSE, NO SHOW

7791.0-98.0 SH, CONG

7798.0-7805.0 DOL, SL/SHY, DENSE, NO SHOW

7805.0-7806.0 LOST CORE CORE NO. 2 7806.0-7844.0 CUT 38' REC 38' FUSSELMAN

	7806.0-07.0	7807.0-08.0	7808.0-09.0	7809.0-10.3	7810.3-12.0	7812.0-13.3	7813.3-14.5	7814.5-16.5	7816.5-17.5	7817.5-18.8	7818.8-20.4
1	16.0	0.1	8.4	15.1	44.8	DOL, LMY, V/F					
2	1.6	<0.1	9.0	6.1	51.3	DOL, V/F					
3	0.4	0.3	10.5	12.1	50.3	DOL, F					
4	<0.1	<0.1	7.7	0.3	71.9	DOL, SL/F					
5	0.1	<0.1	7.2	0.4	61.0	DOL, SL/F					
6	0.1	*	14.8	1.7	70.9	DOL, V/F					
7	5.6	1.7	13.7	4.6	64.0	DOL, LMY, V/F, CHT					
8	<0.1	<0.1	6.6	3.0	66.7	DOL, V/F, CHT					
9	<0.1	*	5.7	2.9	72.0	DOL, SHY, F, STY					
10	0.4	*	15.5	12.0	33.6	DOL, SHY, F					
11	5.7	0.8	11.4	7.6	63.0	DOL, SHY, F, SL/V					

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Petroleum Reservoir Engineering

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LAMBIRTH NO. 3

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FILE NO: 3202-10814
ENGINEER: DILLARD

SMP. NO.	DEPTH	PERM. MAXIMUM	TO AIR MD. 90 DEG	VERT.	POROSITY GEX. FLD.	FLUID SATS. OIL WTR.	GR. DEN.	DESCRIPTION
12	7820.4-21.6	0.4	0.4		10.5	29.3	30.8	DOL, SHY, F, SL/V
13	7821.6-22.6	0.4	0.2		9.6	9.9	59.3	DOL, F
14	7822.6-24.0	14.0	0.6		12.2	16.7	44.1	DOL, SHY, F, STY
15	7824.0-25.7	0.2	0.1		9.6	23.0	27.8	DOL, F, SHR, STY
16	7825.7-26.7	0.9	0.6		12.0	23.6	29.8	DOL, LMY, SL/F
17	7826.7-28.2	5.7	3.2		11.0	15.5	38.7	DOL, F, V
18	7828.2-29.8	1.1	0.5		12.0	20.9	48.3	DOL, F, SL/V, STY
19	7829.8-31.2	0.3	0.2		8.7	31.5	28.6	DOL, F, STY
20	7831.2-32.7	7.4	2.1		11.4	35.2	38.0	DOL, LMY, SHY, F, SL/V
21	7832.7-33.8	0.6	0.4		15.3	17.8	44.7	DOL, LMY, F, STY
22	7833.8-34.8	0.4	0.4		13.4	27.9	31.8	DOL, LMY, SHY, F, STY
23	7834.8-36.3	0.6	0.5		17.6	28.3	34.1	DOL, F
24	7836.3-38.0	0.4	0.3		15.4	19.6	46.3	DOL, LMY, SHY, F, STY
25	7838.0-39.0	0.4	0.2		13.0	12.0	49.9	DOL, LMY, F, STY
26	7839.0-40.8	0.5	0.4		12.2	19.2	39.1	DOL, LMY, F, FOSS, STY
27	7840.8-42.6	0.5	0.4		14.8	24.6	32.7	DOL, LMY, F, STY
28	7842.6-44.0	0.3	*		14.9	26.3	33.8	DOL, LMY, V/F
CORE NO. 3 7844.0-7882.0 CUT 38' REC 22' FUSSELMAN								
29	7844.0-45.3	0.5	0.3		11.9	18.5	45.1	DOL, LMY, ANHY, SL/F STY
30	7845.3-46.7	0.6	0.6		18.3	24.2	38.9	DOL, LMY
31	7846.7-47.8	1.2	0.5		15.4	13.2	47.0	DOL, LMY, SL/F
32	7847.8-48.8	17.0	1.8		11.8	19.8	28.6	DOL, LMY, ANHY, F
33	7848.8-50.3	1.2	1.0		13.2	19.1	27.7	DOL, LMY, ANHY, SL/F
34	7850.3-51.9	1.0	0.6		19.5	32.6	33.3	DOL, LMY, SHY, ANHY SL/F
35	7851.9-53.3	0.5	0.5		17.9	11.5	46.0	DOL, LMY, ANHY, SL/F
36	7853.3-55.0	1.1	0.5		17.2	17.6	42.0	DOL, LMY, SHY, ANHY SL/F
37	7855.0-56.1	0.2	0.1		16.5	27.1	40.5	DOL, LMY, ANHY, SL/F

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SMP. NO.	DEPTH	PERM. MAXIMUM	TO AIR MD. 90 DEG	VERT.	POROSITY GEX. FLD.	FLUID SATS. OIL WTR.	GR. DEN.	DESCRIPTION
38	7856.1-57.0	<0.1	*		7.2	5.4	58.9	DOL, LMY, SHY, ANHY SL/F
39	7857.0-58.0	<0.1	<0.1		7.6	3.3	66.5	DOL, LMY, SHY, ANHY SL/F, STY
40	7858.0-59.1	0.4	0.4		13.9	18.4	44.6	DOL, LMY, SHY, ANHY, STY SL/F
41	7859.1-60.9	2.2	1.2		12.7	23.2	33.5	DOL, LMY, SHY, ANHY, STY SL/F
42	7860.9-62.7	0.4	0.2		14.4	8.2	59.9	DOL, LMY, SL/F
43	7862.7-64.4	2.9	1.6		12.5	18.7	34.7	DOL, LMY, ANHY, F, STY
44	7864.4-66.0	10.0	9.6		16.3	16.9	39.9	DOL, LMY, SDY, ANHY, F STY

7866.0-82.0 LOST CORE

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