

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

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CORE ANALYSIS REPORT

FOR

ENSERCH EXPLORATION, INC.

LAMBIRTH NO. 4
UNDESIGNATED FIELD
ROOSEVELT COUNTY, NEW MEXICO

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.

ENSERCH EXPLORATION, INC.
 LAMBIRTH NO. 4
 UNDESIGNATED FIELD
 ROOSEVELT COUNTY, NEW MEXICO

DATE : 8-10-78
 FORMATION : PENNSYLVANIAN
 DRUG. FLUID: SALT GEL/10% DIESEL
 LOCATION : 660' FSL & 1980' FEL, SEC. 31, T-5-S, R-33-E
 FILE NO : 3202-10853
 ANALYSTS : GODSEY
 ELEVATION: 4418' GL

WHOLE CORE ANALYSIS

SAMPLE NUMBER	DEPTH	PERM. TO MAXIMUM	AIR (MD) 90 DEG	FOR. FLD	FLUID OIL	SATS. WTR	DESCRIPTION
CORE NO. 1 7650.0-7710.0 CUT 60' REC 60'							
1	7650.0-56.0	<0.1	<0.1	1.7	0.0	50.0	LM,SH PARTINGS,SL/FOSS
2	7656.0-58.0	0.1	0.1	5.9	14.2	37.0	LM
3	7658.0-59.5	13.	10.	5.5	12.0	41.3	LM,V/FOSS
4	7659.5-62.0	0.4	0.4	0.9	8.8	26.9	LM,SL/FOSS
5	7662.0-63.0	<0.1	<0.1	1.5	2.2	56.2	LM,SL/SHY,SL/V
6	7663.0-64.0	<0.1	<0.1	1.1	0.0	70.3	LM,SL/SHY,STY
7	7664.0-65.1	<0.1	<0.1	3.6	9.2	25.7	LM,SH LAM
8	7665.1-66.9	0.9	0.9	4.7	9.8	30.1	LM,SH PARTINGS,FOSS
9	7666.9-68.0	1.0	0.3	5.5	9.1	34.7	LM,SHY,V/F
10	7668.0-69.5	<0.1	<0.1	3.6	9.2	25.7	LM,SHY,V/F
11	7669.5-77.0	<0.1	<0.1	3.6	9.2	25.7	LM,SL/SHY,SL/V,SL/F
12	7677.0-97.0	<0.1	<0.1	3.6	9.2	25.7	LM,SL/SHY,SL/V,SL/F
13	7697.0-02.0	<0.1	<0.1	3.6	9.2	25.7	LM,SL/SHY,SL/V,SL/F
14	7702.0-04.4	<0.1	<0.1	3.6	9.2	25.7	LM,SL/SHY,SL/V,SL/F
15	7704.4-06.0	<0.1	<0.1	3.6	9.2	25.7	LM,SL/SHY,SL/V,SL/F
16	7706.0-07.4	<0.1	<0.1	3.6	9.2	25.7	LM,SL/SHY,SL/V,SL/F
17	7707.4-08.5	<0.1	<0.1	3.6	9.2	25.7	LM,SL/SHY,SL/V,SL/F
18	7708.5-10.0	<0.1	<0.1	3.6	9.2	25.7	LM,SL/SHY,SL/V,SL/F
CORE NO. 2 7710.0-7732.0 CUT 22' REC 22'							
19	7710.0-11.2	1.0	0.9	3.7	9.4	65.3	LM,SL/V,STY
20	7711.2-12.9	1.8	1.0	3.6	12.8	37.2	LM,SL/V,STY
21	7712.9-14.4	1.4	1.0	6.0	15.8	33.9	LM,SL/V,STY
22	7714.4-15.8	3.9	3.9	6.0	15.1	38.7	LM,SL/SHY,V,STY

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PAGE 2

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SAMPLE NUMBER	DEPTH	PERM. TO AIR (MD)			POR. FLUID SATS.			DESCRIPTION
		MAXIMUM	90 DEG		FLD	OIL	WTR	
14	7715,8-17,0	<0.1	<0.1	2.8	9.6	49.2	LM,STY	
15	7717,0-18,7	0.5	0.3	4.3	11.5	55.8	LM,F,V,STY	
16	7718,7-20,5	1.9	0.3	3.4	11.9	77.8	LM,V,STY	
17	7720,5-21,9	<0.1	<0.1	1.4	8.7	64.9	LM,STY	
18	7721,9-23,0	<0.1	<0.1	1.1	0.0	93.3	LM,STY	
	7723,0-27,5						LM,STY	
	7727,5-32,0						LM,SHY,STY	

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