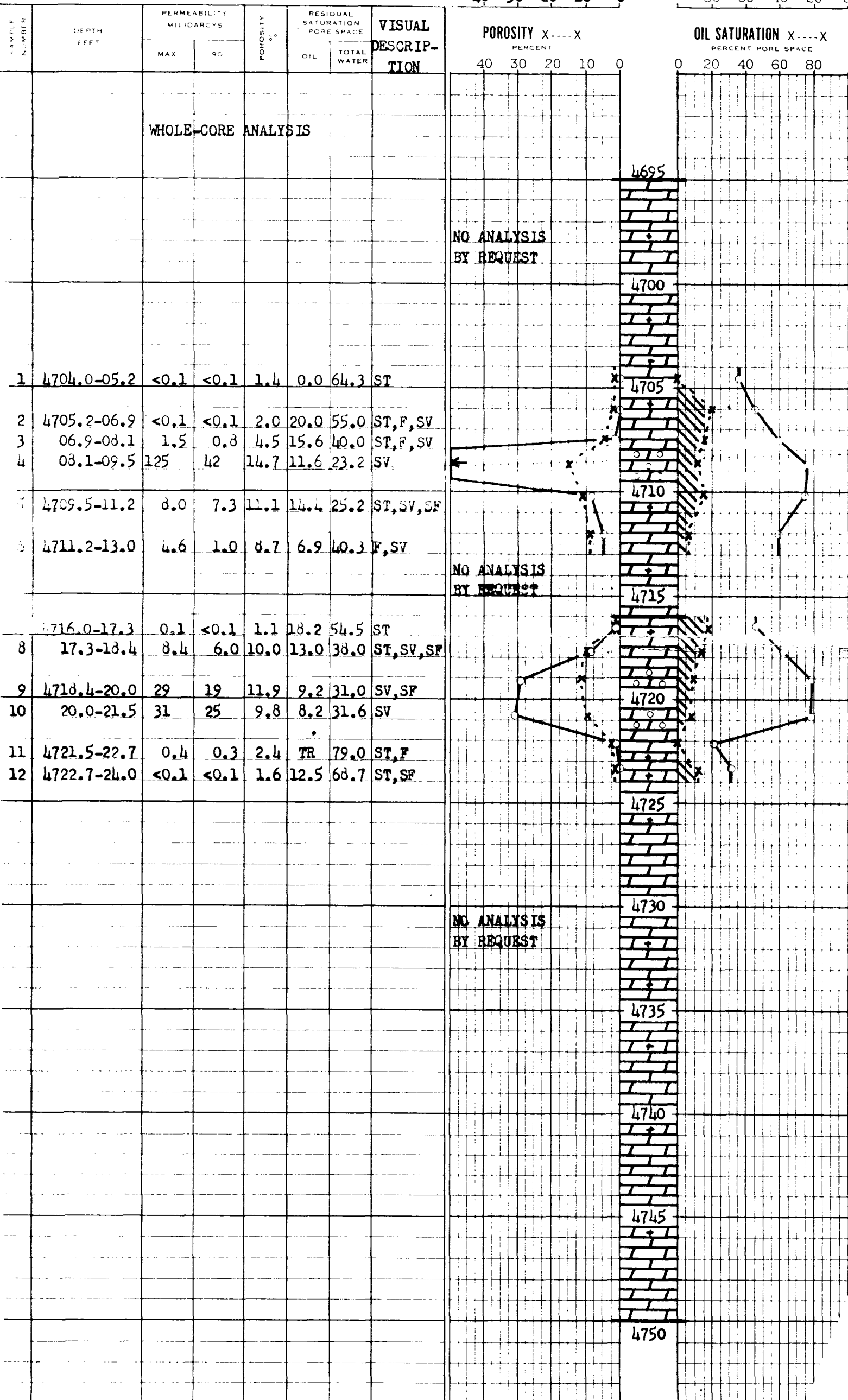
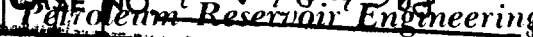


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PRELIMINARY PART

CORE LABORATORIES, INC.



BEFORE EXAMINER NUTTER

OIL CONSERVATION COMMISSION

EXHIBIT NO.

4367 & 4368
Petroleum Reservoir Engineering

COMPANY MAGNOLIA PETROLEUM COMPANY DATE ON 11-19-55 FILE NO. WP-3-376 S
WELL STATE BRIDGES NO. 79 DATE OFF 11-21-55 ENGRS. BOONE
FIELD VACUUM FORMATION SAN ANDRES ELEV. 4036' DF
COUNTY LEA STATE NEW MEXICO DRUG FLD. OIL CORES CHRISTENSEN 1 3/4
LOCATION 1980 FS & WL SEC. 12-T17S-R34E REMARKS SAMPLED BY CORE LABORATORIES, INC.

Special Analysis
CORE REPORT



4036
650
4686

ST-STYLOLITIC
F-FRACTURED
S-SLIGHTLY
L-LIMBICULAR

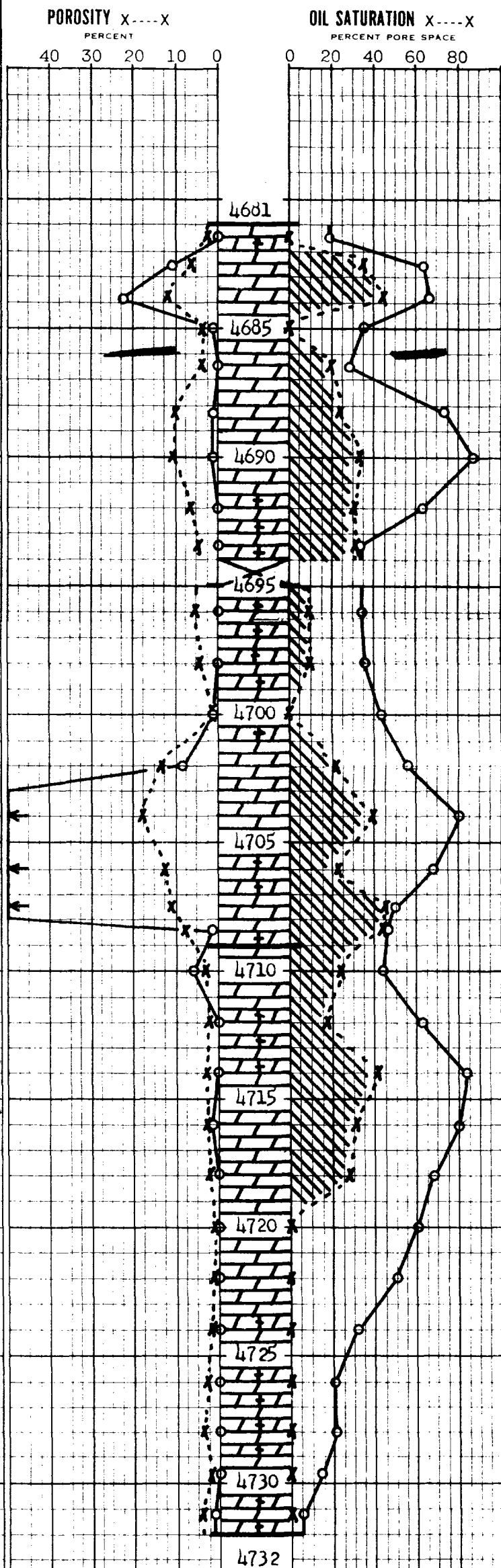
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PERMEABILITY, Maximum 0-0
MILLIDARCY
40 30 20 10 0

TOTAL WATER 0-0
PERCENT PORE SPACE
80 60 40 20 0

CORR.	DEPTH FEET	PERMEABILITY MILLIDARCY		POROSITY %	RESIDUAL SATURATION PORE SPACE		VISUAL DESCRIPTION
		HOR.	VER.		OIL	TOTAL WATER	
1	4681.0-81.9	<0.1	<0.1	2.6	TR	80.8	F, ST
2	81.9-83.4	11	0.3	6.3	35.0	36.4	V, ST
3	83.4-84.6	22	2.4	11.5	44.3	33.0	V, ST
4	84.6-85.6	1.3	0.6	3.4	0.0	64.7	SV, ST
5	4685.6-87.6	<0.1	<0.1	3.6	19.4	72.2	ST
6	4687.6-89.1	0.6	0.8	10.2	23.6	26.5	F, ST
7	89.1-91.0	0.3	0.2	11.0	32.3	12.7	ST
8	4691.0-93.0	<0.1	<0.1	6.5	30.8	36.9	V, ST
9	4693.0-94.0	<0.1	<0.1	4.5	31.2	66.8	V, ST
10	4695.0-97.0	<0.1	<0.1	5.2	9.6	65.5	SV, ST
	4697.0-98.0	<0.1	<0.1	4.2	9.5	64.4	SV
11	4699.0-91.0	0.3	0.3	1.4	0.0	57.2	ST
12	4701.0-93.0	9.2	2.2	12.9	21.7	44.1	V, SF
13	4703.0-95.0	1595	1535	17.8	39.3	20.2	SV
14	4705.0-97.0	406	14	12.3	22.7	31.7	SV
15	4707.0-98.0	69	49	11.1	45.2	50.5	F, SV, ST
16	98.0-99.0	1.4	1.1	7.5	44.0	53.2	F, ST
17	99.0-11.0	5.3	0.3	3.0	23.3	56.6	SF
18	4711.0-13.0	<0.1	<0.1	2.4	16.6	37.5	SF, SV, ST
19	4713.0-15.0	<0.1	<0.1	2.9	41.4	17.2	SF, SV, ST
20	4715.0-17.0	0.1	<0.1	2.9	31.0	20.6	SF, SV, ST
21	4717.0-19.0	<0.1	<0.1	2.2	27.3	31.8	SF, ST
22	4719.0-21.0	<0.1	<0.1	1.0	0.0	40.0	SF, ST
23	4721.0-23.0	<0.1	<0.1	1.0	0.0	50.0	SF, ST
24	4723.0-25.0	<0.1	<0.1	1.9	0.0	63.5	ST
25	4725.0-27.0	<0.1	<0.1	2.9	TR	79.5	SF, ST
26	4727.0-29.0	<0.1	<0.1	3.3	TR	79.0	SF, ST
27	4729.0-30.5	<0.1	<0.1	2.2	0.0	36.5	ST
28	4730.5-32.0	0.3	<0.1	3.7	0.0	94.6	ST

*-CORE BROKEN. UNSUITABLE FOR WHOLE-CORE ANALYSIS.
CONVENTIONAL ANALYSIS.



CORE LABORATORIES, INC.



BEFORE EXAMINER NUTTER

OIL CONSERVATION COMMISSION

EXHIBIT NO. 7

CASE NO. 4367-4368

Petroleum Reservoir Engineering

COMPANY MAGNOLIA PETROLEUM COMPANY DATE ON 10-31-55 FILE NO. WP-3-356 S
WELL STATE BRIDGES NO. 73 DATE OFF 11-3-55 ENGRS. BOONE
FIELD VACUUM FORMATION SAN ANDRES ELEV. 4058' DF
COUNTY LEA STATE NEW MEXICO DRUG. FLD. OIL CORES CHRISTENSEN 1 3/4"
LOCATION SEC. 11-T17S-R34E REMARKS SAMPLED BY CORE LABORATORIES, INC.

Special Analysis

CORE REPORT



ST - STYLOLITIC
F - FRACTURED
SF - SLIGHTLY FRACTURED
SV - SLIGHTLY VUGULAR

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PERMEABILITY, Maximum 0-0
MILLIDARCY

TOTAL WATER 0-0
PERCENT PORE SPACE

40 30 20 10 0

80 60 40 20 0

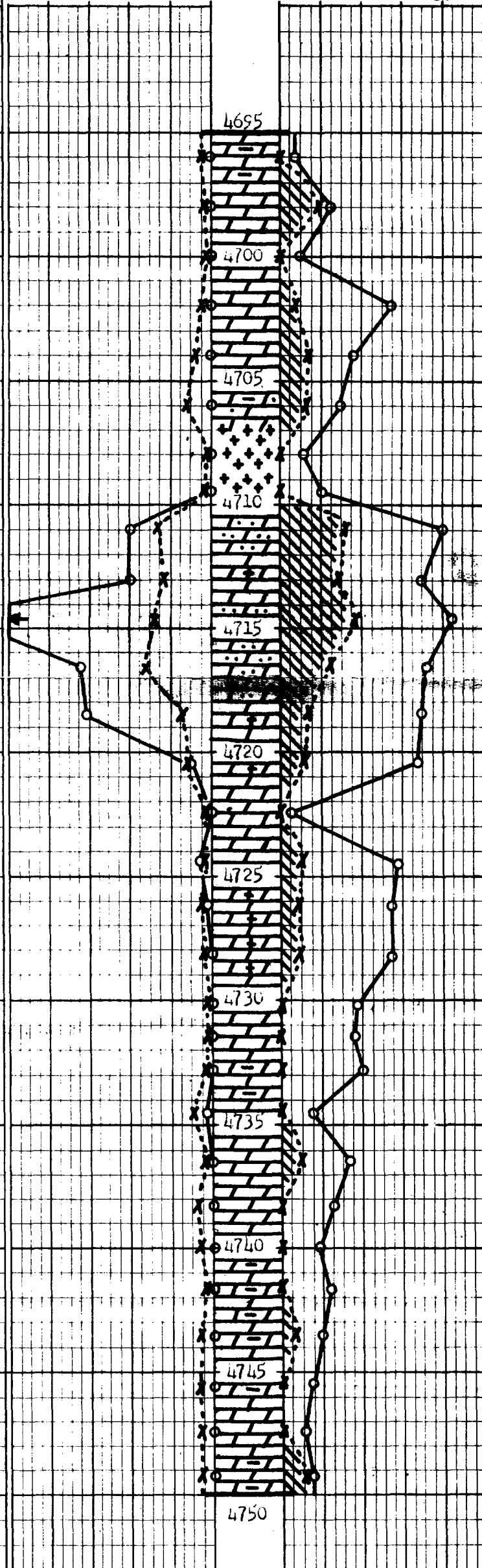
POROSITY X---X
PERCENT

OIL SATURATION X---X
PERCENT PORE SPACE

40 30 20 10 0

0 20 40 60 80

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCY		POROSITY %	RESIDUAL SATURATION PORE SPACE		VISUAL DESCRIP- TION	POROSITY X-----X PERCENT					OIL SATURATION X-----X PERCENT PORE SPACE				
		HOR.	VER.		OIL	TOTAL WATER		40	30	20	10	0	0	20	40	60	80
WHOLE-CORE ANALYSIS																	
1	4695.0-97.0	<0.1	<0.1	2.7	0.0	92.7	ST,SF										
2	4697.0-99.0	<0.1	<0.1	1.6	13.7	75.0	ST,SF										
3	4699.0-01.0	<0.1	<0.1	1.1	0.0	91.2											
4	4701.0-03.0	<0.1	<0.1	2.6	7.7	46.1	ST,SF										
5	4703.0-05.0	<0.1	<0.1	3.9	12.3	64.2	ST,SF,SV										
6	4705.0-07.0	<0.1	<0.1	6.1	11.5	70.3	ST,SV										
7	4707.0-09.0	<0.1	<0.1	0.9	0.0	39.0											
8	4709.0-10.0	<0.1	<0.1	1.5	0.0	35.0											
9	10.0-12.0	20	22	12.9	31.7	20.2	ST,SV										
10	4712.0-14.0	20	16	11.8	28.0	30.5	SV										
11	4714.0-15.7	956	200	13.5	37.0	15.5	SV										
12	4715.7-17.7	32	24	16.6	24.7	27.7	SV										
13	4717.7-19.5	31	25	7.0	12.9	30.0	ST,SF										
14	4719.5-21.4	4.9	<0.1	5.6	10.7	32.2	ST,SV,SF										
15	4721.4-23.3	<0.1	<0.1	1.7	TR	94.1	F										
16	4723.3-25.2	3.1	<0.1	1.9	10.5	42.2	ST,SF										
17	4725.2-27.1	0.1	<0.1	2.4	3.3	45.6	ST,F										
18	4727.1-29.1	<0.1	<0.1	2.2	9.1	45.4	ST										
19	4729.1-31.0	<0.1	<0.1	0.3	TR	67.5	F										
20	31.0-32.0	<0.1	<0.1	1.1	TR	63.6	F										
21	32.0-33.7	<0.1	<0.1	2.0	TR	60.0	SF										
22	4733.7-35.4	0.3	<0.1	4.6	TR	34.3	SV										
23	4735.4-37.4	<0.1	<0.1	2.1	9.5	66.6	SV,SF										
24	4737.4-39.2	<0.1	<0.1	3.2	TR	74.2	ST										
25	39.2-40.3	<0.1	<0.1	2.9	TR	82.3	SF										
26	4740.3-42.7	<0.1	<0.1	2.1	TR	76.2	ST,SF										
27	4742.7-44.7	<0.1	<0.1	3.1	6.5	30.6	F										
28	4744.7-46.7	<0.1	<0.1	2.9	TR	36.3	ST										
29	4746.7-48.3	<0.1	<0.1	2.3	TR	39.4	SV,SF										
30	4748.3-50.0	<0.1	<0.1	2.7	11.1	85.2											
*-UNABLE TO RUN WHOLE-CORE PERMEABILITIES DUE TO SMALL DIAMETER OF CORE																	



CORE LABORATORIES, INC.



BEFORE EXAMINER NUTTER

CL OF CONSERVATION COMMISSION

EXHIBIT NO.

4367 + 41368
Petroleum Reservoir Engineering

COMPANY MAGNOLIA PETROLEUM COMPANY DATE ON 6-16-56 FILE NO. WP-3-528 S
WELL STATE BRIDGES NO. 38 DATE OFF 6-13-56 ENGRS. BOONE
FIELD VACUUM FORMATION SAN ANDRES ELEV. 4025' DF
COUNTY LEA STATENEW MEXICODRLG. FLD. AIR & OIL CORES DOWDCQ 2 1/2"
LOCATION 1980 FS & EL SEC 12-T17S-R34E REMARKS SAMPLED AS DIRECTED BY CLIENT

Special Analysis

CORE REPORT

SAND LIMESTONE CONGLOMERATE CHERT
SHALE DOLOMITE ANHYDRITE OOLITIC

F-FRACTURED

V-VUGULAR

S-SLIGHTLY

ST-STYLOLITIC

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PERMEABILITY, Maximum 0-0
MILLIDARCY

TOTAL WATER 0-0
PERCENT PORE SPACE

40 30 20 10 0

80 60 40 20 0

POROSITY X---X
PERCENT

OIL SATURATION X---X
PERCENT PORE SPACE

40 30 20 10 0

0 20 40 60 80

WHOLE-CORE ANALYSIS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCY		POROSITY %	RESIDUAL SATURATION % PORE SPACE		VISUAL DESCRIP- TION
		MAX	90°		OIL	TOTAL WATER	
1	4665.0-66.9	* <0.1	<0.1	3.8	34.2	42.4	V, ST
2	4666.9-68.7	<0.1	<0.1	1.0	0.0	50.0	SF
3	4668.7-70.6	0.1	<0.1	4.0	37.6	22.5	ST, F
4	4670.6-72.3	11	6.8	3.6	19.4	47.2	ST, F, SV
5	72.3-73.5	1.8	0.4	6.8	16.2	64.7	ST, V, SF
6	4673.5-74.6	3.7	1.5	3.7	16.2	43.3	F, SV
7	74.6-76.3	<0.1	<0.1	2.8	10.7	71.5	F, ST
8	76.3-77.6	0.7	0.4	4.9	16.3	53.1	F, ST, SV
9	4677.6-79.5	<0.1	<0.1	2.7	11.1	70.4	F, ST
10	4679.5-81.0	<0.1	<0.1	3.0	13.3	63.3	F, ST, SV
11	81.0-82.5	36	34	5.5	10.9	58.2	F, ST, V
12	4682.5-83.9	982	912	5.6	19.6	25.0	ST, SV, SF
13	83.9-85.7	228	177	12.2	12.3	33.5	ST, SV, SF
14	4685.7-87.5	642	413	9.8	13.3	30.6	ST, SV
15	4687.5-89.5	<0.1	<0.1	1.1	18.2	36.4	
16	4689.5-90.8	16	7.1	8.1	17.3	34.6	SV
17	90.8-92.0	1.9	0.8	7.2	16.6	41.7	SV
18	4691.0-95.3	0.2	0.2	4.9	22.4	26.6	ST, SV, SF
19	95.3-96.9	1.2	0.2	2.2	27.3	45.5	ST, F
20	4696.9-98.5	0.7	0.6	2.6	19.2	57.7	ST, F
21	4698.5-99.9	1.4	1.2	2.5	32.0	40.0	ST, F
22	4699.9-01.2	2.5	2.1	2.2	13.6	54.5	ST, F
23	4701.2-02.0	0.5	0.1	1.5	0.0	66.7	ST, F

NO ANALYSIS
BY REQUEST

* - SAMPLE BROKEN, UNSUITABLE FOR FULL DIAMETER
PERMEABILITY. MATRIX PERMEABILITY REPORTED ONLY.

4716