

Ex # 7
Core 222

**CORE ANALYSIS REPORT
FOR
AURORA GASOLINE COMPANY**

**DAVIS NO. 2 WELL
EAST HOBBS FIELD
LEA COUNTY, NEW MEXICO**





CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

COMPANY ARIZONA GASOLINE COMPANY DATE 11-13-51 TO 11-20-51 FILE FL 25-271 EC
WELL DAVIS NO. 2 CORES CHRS. - 3 1/2" ANALYSTS JPL:DM:JEL
FIELD EAST HORNS FORMATION SAN ANDRES ELEVATION _____
COUNTY LEA DRIG. FLUID WATER EAST AND LOCATION _____
STATE NEW MEXICO REMARKS SAMPLED BY CORE LABORATORIES, INC.

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CORE ANALYSIS AND INTERPRETATION

450.5 4476.5
3593 3593
8575 8575

COMPLETION COREGRAPH

PERMEABILITY MILLIDARCY

TOTAL WATER PERCENT PORE SPACE

200 150 100 50 0

POROSITY X---X

OIL SATURATION X---X

PERCENT CORING TIME-MIN/FT

0 20 40 60

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCY	POROSITY %	RESIDUAL LIQUID SATURATION % PORE SPACE		PROBABLE PROD.
				OIL	TOTAL WATER	
1	4450.5	<0.1	3.2	6.3	72.0	
2	51.5	<0.1	6.1	3.3	72.1	
3	52.5	<0.1	4.8	4.2	70.9	
4	53.5	<0.1	6.1	14.7	65.5	
5	54.5	<0.1	3.4	12.9	32.1	
6	55.5	<0.1	5.4	9.3	70.4	
7	56.5	<0.1	3.2	0.0	78.2	
8	57.5	<0.1	1.7	0.0	70.8	
9	58.5	135	6.4	3.1	32.5	WAS
10	59.5	<0.1	16.2	21.6	36.4	
11	60.5	29	17.8	15.2	34.8	OIL
12	61.5	230	17.6	14.8	28.0	OIL
13	62.5	155	19.7	18.3	33.5	OIL
14	63.5	43	17.7	13.6	42.4	OIL
15	64.5	34	13.3	12.8	21.8	OIL
16	65.5	27	17.9	18.5	36.3	OIL
17	66.5	54	20.3	17.9	37.5	OIL
18	67.5	0.7	22.6	21.2	46.0	OIL
19	68.5	3.1	18.3	15.3	41.5	OIL
20	69.5	52	22.9	21.0	38.0	OIL
21	70.5	70	20.5	14.7	47.9	OIL*
22	71.5	99	20.5	13.7	40.5	OIL*
23	72.5	255	19.8	12.6	46.0	OIL*
24	73.5	18	19.4	17.0	47.4	OIL*
25	74.5	22	18.6	16.2	43.6	OIL*
26	75.5	2.5	19.3	15.1	44.0	OIL*
27	76.5	13	19.0	14.2	40.0	OIL*
* REFER TO ATTACHED LETTER						

