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CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

Page No.

CORE ANALYSIS RESULTS

Company EL PASO NATURAL GAS COMPANY
Well JICARILLA APACHE #92-2
Field WILDCAT
County RIO ARRIBA State NEW MEX.

Formation GRANEROS
Core Type DIA. CONV.
Drilling Fluid WATER BASE
Elev. 7178 Gr. Location Sec. 29 27N 3W

File RP-3-1323
Date Report 12-4-60
Analysts HUFF

Lithological Abbreviations

SAND-SD, SHALE-SH, LIME-LM; DOLOMITE-DOL, CHERT-CH, GYPSUM-GYP; ANHYDRITE-ANHY, CONGLOMERATE-CONG, FOSSILIFEROUS-FOSS; SANDY-SDY, SHALY-SHY, LIMY-LMY; FINE-FN, MEDIUM-MED, COARSE-CSE; CRYSTALLINE-XLN, GRAIN-GRN, GRANULAR-GRNL; BROWN-BRN, GRAY-GY, VUGGY-VGY; FRACTURED-FRAC, LAMINATION-LAM, STYLOLITIC-STY; SLIGHTLY-SL/, VERY-V/, WITH-W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	RESIDUAL SATURATION PER CENT PORE TOTAL WATER	SAMPLE DESCRIPTION AND REMARKS
1	8200-01	0.56	3.6	13.9	52.8	Vertical fracture
2	01-02	0.15	3.2	15.7	53.1	" "
3	02-03	0.02	2.7	26.0	22.2	" "
4	03-04	0.11	4.3	16.3	55.9	" "
5	04-05	0.13	4.3	16.3	37.2	" "
6	05-06	0.07	4.2	16.7	35.7	" "
7	06-07	0.01	3.8	13.2	31.6	" "
8	07-08	0.06	2.6	19.3	50.0	" "
9	08-09	0.01	2.2	9.1	59.1	" "
10	09-10	0.11	3.6	13.9	63.9	" "
11	10-11	0.07	4.4	15.9	61.5	" "
12	11-12	0.06	4.0	5.0	67.5	" "
13	12-13	0.06	3.9	23.1	59.0	" "
14	13-14	0.07	4.7	10.6	70.2	" "
15	14-15	0.03	4.4	15.9	70.5	" "
16	8215-15.8	0.09	4.2	16.6	64.3	" "

8200-8215.8 Low porosity and low permeability show the matrix of this interval to be essentially non-productive . The low total water saturations indicate that a small amount of rich gas may be fed into the vertical fracture system . Further testing should be done to evaluate the fractures .

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DALLAS, TEXAS

CORE ANALYSIS RESULTS

Company EL PASO NATURAL GAS COMPANY | Formation DAKOTA | File RP-3-1323
Well JICARILLA - APACHE # 92-2 | Core Type DIAMOND CONV. | Date Report 12/8/60
Field WILDCAT | Drilling Fluid WATER BASE MUD | Analysts ENGLISH
County RIO ARRIBA State N.MEX. Elev. 7178 Gr. Location SEC29 T27N R3W

Lithological Abbreviations

SAND-SD SHALE-SH LIME-LM	DOLOMITE-DOL CHERT-CH GYPSUM-GYP	ANHYDRITE-ANHY CONGLOMERATE-CONG FOSSILIFEROUS-FOSS	SANDY-SDY SHALY-SHY LIMY-LMY	FINE-FN MEDIUM-MED COARSE-CSE	CRYSTALLINE-XLN GRAIN-GRN GRANULAR-GRNL	BROWN-BRN GRAY-GY VUGGY-VGY	FRACTURED-FRAC LAMINATION-LAM STYLOLITIC-STY	SLIGHTLY-SL/ VERY-V/ WITH-W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	RESIDUAL SATURATION PER CENT PORE TOTAL WATER	SAMPLE DESCRIPTION AND REMARKS	
17	8227-28	0.01	4.3	11.6	81.5	Vertical Fracture	
18	8229-30	0.02	4.9	10.2	77.6	"	"
19	8231-32	0.04	3.9	12.8	77.0	"	"
20	8233-34	0.05	4.2	11.9	85.7	"	"
21	8235-36	0.05	2.0	10.0	55.0	"	"
22	36-37	0.06	3.7	18.9	56.8	"	"
23	37-38	0.07	2.8	7.1	67.9	"	"
24	8239-40	0.02	4.8	4.2	83.4		
25	8241-42	0.02	4.1	4.9	92.7		
26	8243-44	0.10	5.0	4.0	94.1		
27	8245-46	0.01	5.0	4.0	94.1	"	"
28	8247-48	0.09	5.2	9.6	86.4	"	"
29	48-49	0.01	4.5	4.4	89.1	"	"
30	49-50	0.02	5.2	3.8	90.4	"	"
31	50-51	0.05	4.0	5.0	85.1	"	"
32	8262-63	0.02	2.7	18.5	77.8	"	"
33	8264-65	<0.01	3.3	6.1	69.8	"	"
34	8266-67	<0.01	2.9	0.0	89.9	"	"
35	8268-69	<0.01	2.8	0.0	92.9	"	"
36	8270-71	<0.01	2.9	6.9	86.1	"	"
37	8272-73	0.01	2.9	6.9	79.4	"	"
38	8274-75	<0.01	3.1	6.5	90.4	"	"

8227-8275 The samples analyzed within this interval have the properties of non-productive Dakota formation . Further testing should be done to evaluate the fracture system .