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CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

JAN 13 1960

OIL & GAS
CONSERVATION COMMISSION

Company GINTHER-WARREN COMPANY Formation AS NOTED Page 1 of 3
Well UPRR NOONAN RANCH NO. 2 Cores DIAMOND CONVENTIONAL File RP-2-2193
Field WILDCAT Drilling Fluid WATER BASE MUD WITH
County ADAMS State COLORADO Elevation OIL ADDED Date Report 8-21-59
Location C NE SW 13 3S 59W Remarks UNKNOWN Analysts DI - JE
SERVICE NO. 8

CORE ANALYSIS RESULTS
(Figures in parentheses refer to footnote remarks)

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS		POROSITY PERCENT	RESIDUAL SATURATION		PROBABLE PRODUCTION	REMARKS	
		HORIZONTAL	VERTICAL		OIL				TOTAL
					% VOLUME	% PORE			WATER % PORE
<u>"D" Sand</u>									
1	6021-22	0.4	0.0	15.8	3.8	71.7	(2)	Sandstone, Very Fine-Grain, Occasional Shale Laminations.	
2	6024-25	3.8	0.9	16.0	3.1	70.5	(2)	Sandstone, Very Fine-Grain, Occasional Shale Laminations.	
3	6026-27	0.9	0.0	8.8	2.3	82.0	(2)	Sandstone, Very Fine-Grain, Occasional Shale Laminations.	
4	6040-41	0.0	0.0	9.6	0.0	87.5	(2)	Sandstone, Very Fine-Grain, Occasional Shale Laminations.	
5	6042-43	0.0	0.0	8.1	2.5	84.0	(2)	Sandstone, Very Fine-Grain, Occasional Shale Laminations.	
6	6050-51	0.0	0.0	4.6	4.4	72.0	(2)	Sandstone, Very Fine-Grain, Occasional Shale Laminations.	
<u>"J" Sand</u>									
7	6079-80	0.0	0.0	8.8	5.7	88.8	(2)	Sandstone, Fine-Grain, Shale, Reworked.	
8	6080-81	0.0	0.0	9.7	5.2	90.7	(2)	Sandstone, Fine-Grain, Shale, Reworked.	
9	6081-82	0.0	0.0	10.3	4.9	87.2	(2)	Sandstone, Fine-Grain, Shale, Reworked.	
10	6082-83	0.0	0.0	11.1	6.3	86.5	(2)	Sandstone, Fine-Grain, Shale, Reworked.	
11	6083-84	0.0	0.0	1.7	0.0	58.9	(2)	Sandstone, Fine-Grain, Shale, Reworked.	
12	6084-85	0.0	0.0	11.7	1.7	50.5	(2)	Sandstone, Fine-Grain, Shale, Reworked.	
13	6085-86	0.0	0.0	11.4	4.4	86.0	(2)	Sandstone, Fine-Grain, Shale, Reworked.	
14	6086-87	0.0	0.0	12.5	4.0	88.0	(2)	Sandstone, Fine-Grain, Shale, Reworked.	
15	6087-88	0.0	0.0	15.5	1.3	84.0	(2)	Sandstone, Fine-Grain, Shale, Reworked.	

NOTE:

(*) REFER TO ATTACHED LETTER.

(1) INCOMPLETE CORE RECOVERY—INTERPRETATION RESERVED.

(2) OFF LOCATION ANALYSES—NO INTERPRETATION OF RESULTS.

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Company	GINTHER-WARREN COMPANY	Formation	AS NOTED	Page	2	of	3
Well	UPRR. NOONAN RANCH NO. 2	Cores	DIAMOND CONVENTIONAL WATER BASE MUD WITH	File	RP-2-2193		
Field	WILDCAT	Drilling Fluid	OIL ADDED	Date Report	8-21-59		
County	ADAMS	State	COLORADO	Elevation	UNKNOWN		
Location	C NE SW 13 3S 59W	Remarks	SERVICE NO. 8				
Analysts		DI - JE					

CORE ANALYSIS RESULTS
(Figures in parentheses refer to footnote remarks)

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYs		POROSITY PERCENT	RESIDUAL SATURATION		PROBABLE PRODUCTION	REMARKS
		HORIZONTAL	VERTICAL		OIL % VOLUME	WATER % PORE		
16	6088-89	0.0	0.0	10.2	2.0	84.3	(2)	Sandstone, Fine-Grain, Shale, Reworked.
17	6089-90	0.4	0.0	10.4	6.7	45.3	(2)	Sandstone, Fine-Grain, Thin Shale Laminations.
18	6090-91	0.0	0.0	9.9	7.1	53.5	(2)	Sandstone, Fine-Grain, Thin Shale Laminations.
19	6091-92	1.3	0.4	14.2	4.9	63.5	(2)	Sandstone, Fine-Grain, Thin Shale Laminations, Vertical Fracture.
20	6092-93	4.8	0.9	9.8	12.2	36.7	(2)	Sandstone, Fine-Grain, Thin Shale Laminations.
21	6093-94	2.8	2.3	9.6	12.5	40.7	(2)	Sandstone, Fine-Grain, Thin Shale Laminations, Vertical Fracture.
22	6094-95	2.3	1.9	10.8	8.3	43.5	(2)	Sandstone, Fine-Grain, Thin Shale Laminations.
23	6095-96	2.3	1.3	11.0	10.9	39.1	(2)	Sandstone, Fine-Grain, Thin Shale Laminations.
24	6096-97	3.8 <i>160 32.0</i>	1.3 <i>77 15.4</i>	13.9 <i>55.1 11.0</i>	6.5 <i>504 10.0</i>	59.0 <i>2190 43.8</i>	(2)	Sandstone, Fine-Grain, Thin Shale Laminations.
25	6097-98	0.0	0.0	8.2	8.5	42.7	(2)	Sandstone, Fine-Grain, Thin Shale Laminations.
26	6098-99	0.4	0.0	9.6	2.1	55.1	(2)	Sandstone, Fine-Grain, Thin Shale Laminations.
27	6099-6100	0.0	0.0	12.1	4.1	62.0	(2)	Sandstone, Fine-Grain, Thin Shale Laminations.
28	6103-04	0.0	0.0	10.5	1.9	56.3	(2)	Sandstone, Fine-Grain, Thin Shale Laminations.
29	6108-09	0.0	0.0	8.1	0.0	53.1	(2)	Sandstone, Fine-Grain, Thin Shale Laminations.
30	6113-14	0.0	0.0	12.4	5.6	62.8	(2)	Sandstone, Fine-Grain, Thin Shale Laminations.
31	6118-19	0.0	0.0	10.2	4.9	78.5	(2)	Sandstone, Fine-Grain, Thin Shale Laminations.
32	6123-24	0.0	0.0	6.1	0.0	67.3	(2)	Sandstone, Fine-Grain, Thin Shale Laminations.

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Company **GINTHER-WARREN COMPANY** Formation **AS NOTED** Page **3** of **3**
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Location **C NE SW 13 3S 59W** Remarks **SERVICE NO. 8**

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(Figures in parentheses refer to footnote remarks)

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYs		POROSITY PERCENT	RESIDUAL SATURATION		PROBABLE PRODUCTION	REMARKS
		HORIZONTAL	VERTICAL		OIL % VOLUME % PORE	TOTAL WATER % PORE		
33	6128-29	0.9	0.0	12.1	0.0	55.3	(2)	Sandstone, Fine-Grain, Thin Shale Laminations.
34	6129-30	7.0	8.0	11.8	11.0	42.0	(2)	Sandstone, Fine-Grain, Clean.
35	6130-31	7.0	7.0	8.5	5.9	12.9	(2)	Sandstone, Fine-Grain, Clean.
36	6131-32	6.4	5.9	12.5	8.8	45.6	(2)	Sandstone, Fine-Grain, Clean.
37	6132-33	21	21	10.7	12.2	29.0	(2)	Sandstone, Fine-Grain, Clean, Acid Solubility 15% v/v HCl 1.6%.
38	6133-34	15	13	8.8	13.8	35.6	(2)	Sandstone, Fine-Grain, Clean, Acid Solubility 15% v/v HCl 2.8%.
39	6134-35	1.3	1.3	7.4	16.2	21.6	(2)	Sandstone, Fine-Grain, Clean, Acid Solubility 15% v/v HCl 0.2%.
		57.7 9.6	56.2 9.4	59.7 10.0	67.9 11.3	186.7 31.1		
40	6139-40	0.0	0.0	14.3	4.9	81.9	(2)	Sandstone, Fine-Grain, Shale.
41	6144-45	0.0	0.0	13.3	0.0	85.1	(2)	Sandstone, Fine-Grain, Shale.
42	6149-50	0.0	0.0	16.0	1.3	87.0	(2)	Sandstone, Fine-Grain, Shale, Acid solubility 15% v/v HCl 0.8%.
43	6154-55	0.0	0.0	17.8	2.8	77.8	(2)	Sandstone, Fine-Grain, Shale.

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