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Township _____ Range _____

Township _____ Range _____

Township _____ Range _____

Form 104—(Four on Township)

37

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6	5	4	3	2	1	6	5	4	3	2	1
7	8	9	10	11	12	7	8	9	10	11	12
18	17	16	15	14	13	18	17	16	15	14	13
19	20	21	22	23	24	19	20	21	22	23	24
30	29	28	27	26	25	30	29	28	27	26	25
31	32	33	34	35	36	31	32	33	34	35	36
6	5	4	3	2	1	6	5	4	3	2	1
7	8	9	10	11	12	7	8	9	10	11	12
18	17	16	15	14	13	18	17	16	15	14	13
19	20	21	22	23	24	19	20	21	22	23	24
30	29	28	27	26	25	30	29	28	27	26	25
31	32	33	34	35	36	31	32	33	34	35	36



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Justice Subt.

CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

DALLAS 7, TEXAS

August 11, 1960

Dorfman Production Company
836 Mercantile Dallas Building
Dallas, Texas

Attention: Mr. Larry Reed

Subject: Reservoir Fluid Study
Coles Federal No. 2 Well
Edwin Bailey Field
Rio Arriba County, New Mexico
Our File Number: RFL 1034

Gentlemen:

Subsurface fluid samples were collected from the subject well on July 31, 1960 by a representative of Core Laboratories, Inc. These samples were transmitted to our Dallas laboratory where reservoir fluid studies are being performed.

A sample of the reservoir fluid was changed to a high pressure visual cell and examined during a constant composition expansion at the reservoir temperature of 159° F. Under these conditions the saturation pressure was measured to be 1851 psig. The reservoir pressure measured immediately prior to sampling was 1841 psig at a depth of 5007 feet. This pressure was measured after a shut-in period of approximately seven hours. In view of the good productivity index of this well and after discussions with Dorfman Production Company regarding the normal rates of flow, it is our opinion that the samples obtained are representative of the reservoir material and that the reservoir presently exists in an undersaturated condition.

The remainder of the fluid study is now in progress. We trust that this information will be adequate for your immediate needs. Should you have any questions, however, please do not hesitate to contact us.

Very truly yours,

CORE LABORATORIES, INC.
Reservoir Fluid Division

P. L. Moses
Operations Supervisor

FLM:pl
Mr. Frank Howard
Core Laboratories, Inc.
Dallas, Texas

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SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



Electrical Log

COUNTY <u>LEA</u> FIELD or LOCATION <u>JUSTIS</u> WELL <u>IDA WIMBERLY #5</u> COMPANY <u>AMERADA PETR. CORPORATION</u>	COMPANY <u>AMERADA PETR. CORPORATION</u>	Other Surveys GRL <input type="checkbox"/> ML <input type="checkbox"/>
	WELL <u>IDA WIMBERLY #5</u>	Location of Well <u>NE/4</u> <u>NW/4</u>
	FIELD <u>JUSTIS</u>	Elevation: D.F.: <u>3086</u> K.B.: <u>3087.5</u> or G.L.: <u>3075</u>
	LOCATION <u>SEC. 25-25S-37E</u> <u>660 FNL + 2080 FWL</u>	
	COUNTY <u>LEA</u>	FILING No.
	STATE <u>NEW MEXICO</u>	

RUN No.					
Date	<u>8-10-58</u>				
First Reading	<u>7578</u>				
Last Reading	<u>3268</u>				
Feet Measured	<u>4310</u>				
Csg. Schlum.	<u>3268</u>				
Csg. Driller	<u>3269</u>				
Depth Reached	<u>7581</u>				
Bottom Driller	<u>7581</u>				
Depth Datum	<u>KB 12.5' Abv. GL</u>				
Mud Nat.	<u>CHEM.</u>				
Deps. Visc.	<u>9.5 37</u>				
Mud Resist.	<u>71 @ 81°F</u>	@	F	@	F
Res. BHT	<u>52 @ 113°F</u>	@	F	@	F
Rmf	<u>28 @ 113°F</u>	@	F	@	F
Rmc	<u>97 @ 81°F</u>	@	F	@	F
pH	<u>10 @</u>	@	F	@	F
Wtr. Loss	<u>10.8 CC 30 min.</u>	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	<u>8 3/4"</u>				
Spcgs.—AM	<u>10" NORMAL</u>				
AO	<u>32" LIMESTONE</u>				
AO	<u>19' LATERAL</u>				
Opr. Rig Time	<u>2 HOURS</u>				
Truck No.	<u>2526 HOBBS</u>				
Recorded By	<u>GEISEL</u>				
Witness	<u>MOORE</u>				