

January 5, 1955

Rupp-Ferguson Oil Co.
523 Petroleum Building
Wichita 2, Kansas

Geological Report
Rupp-Ferguson No. 1 Isenbart
C SE NW, Sec. 12-32-17W,
Comanche County, Kansas

Gentlemen:

Samples and drilling time were examined from 3400 feet to 5177 feet, total depth, on the captioned well. All formation tops and depths are with reference to Kelly Bushing measurements. Following are the formation tops as determined from sample analysis and those taken from the electric log:

Elevation 2096 Derrick Floor
 2099 Kelly Bushing

<u>Formation</u>	<u>Samples</u>	<u>Electric Log</u>
Elgin (Zone)	4156 (-2057)	4286 (-2187)
Heebner	4292 (-2193)	4350 (-2251)
Douglas	4354 (-2255)	4460 (-2361)
Lansing-Kansas City	4463 (-2364)	4867 (-2768)
Base Kansas City	4871 (-2272)	5116 (-3017)
Mississippian	5116 (-3017)	5120 (-3021)
Mississippi Chert	5123 (-3024)	5175 (-3076)
Total Depth	5177 (-3078)	

A Halliburton electric log was run from surface pipe to total depth. The Guard Log and detail was run from 4275 feet to total depth.

Following are formations and zones of interest as determined from sample analysis:

ELGIN ZONE
4156-4258

Mostly gray black and black shales with traces of medium to fine grain angular sandstone.

12-32-17W

DOUGLAS ZONE

4354-4463 Mostly gray, silty and red silty shales, some calcareous sandstone.

Neither of the above zones was sufficiently developed to be conducive to gas production.

LANSING-KANSAS CITY

4518-4524 Limestone, buff and tan mottled, pieces oolitic and vugular porosity, no odor or staining.

4606-4612 Limestone, buff to tan and brown mottled, fair vugular and oolitic porosity, no odor or staining.

4680-4688 Limestone, tan to brown mottled oolitic, good porosity, no odor or staining.

4722-4732 Limestone, buff semi-chalky, fragments oolitic with fair porosity, no odor or staining.

4818-4825 Limestone, buff to white and tan mottled, pieces oolitic and vugular porosity, no odor or staining.

MISSISSIPPIAN

5116-5123 Dark green dense shaley limestone, no porosity.

5124-5132 Gray and white mottled spicular and fossiliferous chert, pieces show gilsonite staining, one piece showed very light trace stain, no odor.

5146-5160 White coarse crystalline chalky limestone, some grainy dolomitic limestone, no odor or staining.

As a structural comparison, the No. 1 Isenbart was 118 feet lower on the Mississippian than the Wentworth No. 1 Price, SE SE SE, Sec. 4-32-16W, three and one-half miles to the east. The Barbara No. 1 Eden, two and one-half

Rupp-Ferguson Oil Co.

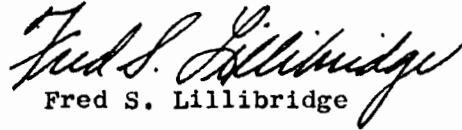
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miles south and one and one-half miles east was 25 feet lower on the Mississippian than the No. 1 Isenbart.

The No. 1 Isenbart was plugged and abandoned at a total depth of 5177 feet.

Very truly yours,


Fred S. Lillibridge

FSL:HH

4200	4210	1- $\frac{1}{2}$ -1 $\frac{1}{2}$ -1-2-3-4-3-4-4
	4220	4-4-4-4-4-4-4-4-4-5
	4230	4-4-5-4-4-4-4-4-4-4
	4240	4-4-4-4-4-3-4-3-4-3
	4250	3-3-5-5-5-5-5-4-5-3
	4260	3-5-5-3-4-4-4-3-3-5
	4270	4-5-5-5-6-7-6-6-5-6
	4280	5-4-5-4-4-4-4-3-2-2
	4290	4-7-7-5-3-6-7-6-6-6
	4300	4-4-3-3-2-5-6-7-6-7
4300	4310	8-8-7-6-5-5-6-6-6-6
	4320	7-6-5-3-5-6-7-7-7-4
	4330	6-6-7-6-5-4-6-6-6-5
	4340	4-5-5-5-5-5-6-7-4-4
	4350	5-5-5-5-7-6-3-4-6-5
	4360	8-6-4-2-3-3-2-3-2-3
	4370	3-3-3-3-3-3-2-3-3-4
	4380	3-2-3-2-3-2-2-2-1-1
	4390	2-2-2-4-3-3-3-3-4-3
	4400	3-3-3-4-5-4-3-4-4-5
4400	4410	4-5-5-4-5-4-5-5-4-5
	4420	4-4-4-5-4-5-5-7-6-6
	4430	6-7-5-4-4-4-6-6-6-6
	4440	4-6-6-7-8-8-7-8-10-10
	4450	10-10-10-11-9-12-12-12-4-5
	4460	5-5-5-4-5-4-4-4-5-5
	4470	4-4-4-6-7-6-6-6-4-6
	4480	6-7-5-5-4-4-4-4-5-5
	4490	5-6-5-6-4-5-5-4-4-5
	4500	7-6-5-5-5-6-8-5-6-3
4500	4510	4-5-5-7-5-6-7-5-5-4
	4520	3-4-5-5-5-5-6-4-4-4
	4530	3-5-6-4---5-3-5-4-4
	4540	5-5-5-5-5-5-5-5-5-4
	4550	5-5-5-5-7-8-6-5-6-7
	4560	7-4-3-5-5-4-4-4-3-3
	4570	3-3-7-4-6-5-7-6-6-6
	4580	6-5-9-6-6-7-10-5-6-9
	4590	7-8-7-11-10-9-4-6-7-9
	4600	9-9-9-6-10-10-10-11-12-9

Circ. 1 hr. 4380

Trip W7 4448

Lost circ. 4518

Lost circ. 4523

4600	4610	7-8-7-7-6-8-5-4-2-8	
	4620	6-8-5-10-10-10-9-8-8-10	
	4630	7-5-7-7-5-6-4-5-7-13	Trip W7 4630
	4640	6-8-9-6-6-5-3-5-6-5	
	4650	4-4-4-3-4-3-3-3-3-4	
	4660	5-5-4-5-5-4-5-4-4-4	
	4670	4-5-3-2-5-6-5-7-9-10	
	4680	8-5-3-4-6-5-5-6-4-1	
	4690	1- $\frac{1}{2}$ - $\frac{1}{4}$ - $\frac{1}{2}$ -1 $\frac{1}{2}$ - $\frac{1}{4}$ -1-1-6-8	
	4700	7-7-6-6-7-8-8-6-5-5	
4700	4710	3-6-5-5-4-6-5-6-5-6	
	4720	7-8-10-8-7-10-10-9-10-9	
	4730	7-7-4-4-4-4-4-5-5-5	
	4740	4-6-5-8-6-10-10-8-6-3	
	4750	6-9-9-4-5-6-9-7-4-8	
	4760	7-8-7-9-6-4-4-3-5-9	
	4770	8-7-6-7-7-11-6-6-8-9	
	4780	6-9-13-14-9-9-7-8-7-6	
	4790	6-6-9-11-7-8-10-11-12-12	
	4800	9-11-11-12-11-11-11-10-11-10	
4800	4810	9-10-11-11-11-12-14-13 $\frac{1}{2}$ 6-5	Trip W7 4808
	4820	4-4-5-4-4-4-5-4-2-3	
	4830	4-4-5-8-5-6-6-6-6-5	
	4840	6-8-7-7-8-7-6-8-7-8	
	4850	9-9-6-9-7-7-6-7-6-6	
	4860	7-8-7-6-7-6-5-5-4-6	
	4870	6-5-5-5-5-6-5-6-7-4	
	4880	6-5-5-4-4-4-4-5-4-4	
	4890	4-4-3-3-3-7-5-8-8-8	
	4900	6-6-10-7-11-9-10-11-13-10	
4900	4910	11-11-11-9-10-11-10-12-10-12	
	4920	8-9-10-11-10-11-12-12-11-13	
	4930	12-15-16-16-10-10-15-12-12-12	
	4940	12-8-6-6-6-5-6-10-8-8	
	4950	13-18 $\frac{1}{2}$ 8-6-6-6-5-6-5-6	Trip W7 4942
	4960	6-6-6-7-7-6-6-6-5-5	
	4970	6-5-5-6-5-7-5-4-5-5	
	4980	4-3-3-4-2-3-3-5-6-5	
	4990	6-5-6-6-6-6-6-5-4-6	
	5000	6-5-5-5-4-7-6-5-7-6	

5000	5010	7-7-7-5-7-8-11-9-8-10
	5020	10-9-10-9-10-10-8-7-8-4
	5030	4-4-3-5-5-6-7-7-9-10
	5040	7-8-9-7-7-8-9-9-7-10
	5050	9-9-9-9-8-12-6-10-13-12
	5060	13-6-4-4-6-6-8-6-6-10
	5070	10-13-8-11-8-11-11-12-9-7
	5080	6-9-10-11-8-8-6-8-7-8
	5090	10-10-7-8-7-10-11-11-13-11
	5100	11-9-8-8-10-11-9-10-11-12
5100	5110	9-3-3-3-4-6-6-7-6-5
	5120	6-8-9-7-7-6-7-5-5-7
	5130	6-5-4-9-6-6-4-4-4-5
	5140	4-3-5-12-10-9-10-9-9-9
	5150	8-8-10-10-9-5-5-6-5-4
	5160	4-3-4-5-4-3-4-6-4-4
	5170	7-10-7-5-7-4-7-9-9-10
	5177	q8-10-5-4-5-6-9

Trip W7 5102

Circ. 5157

Circ. $\frac{1}{2}$ hr.