

GEOLOGICAL REPORT

on

Messman-Rinehart Oil Co.

Redetzke D-1

Approx. NE NW NW Section 10-16S-11W

Barton County, Kansas

By

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Messman-Rinehart Oil Co.
Redetzke D-1
Approx. NE NW NW Section 10-16S-11W
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Contractor: Messman-Rinehart
Oil Co.
Commenced: August 7, 1963
Completed: August 17, 1963
Production: D and A

Elevation: 1880' K.B.
Casing Record: 8 5/8" @ 296'
Samples: 10' Samples 1400' to 3300'; 5' Samples 3300' to RTD.
Drilling Time: 1' Drilling Time 1400' to RTD.
Drillstem Tests: 4 tests were run by Western Testers.
No electric log was run on the hole.
A Baroid Gas Unit was on the test from 1300' to TD.

The geological phase of the drilling was supervised from 1400' to RTD. Samples were examined on location from 1400' to RTD.

Following are the zones of interest and pertinent data on the test:

<u>Chase Group</u>	<u>1484</u>
1487-92	Dolomite, limey, buff to white, granular. No visible porosity. <u>35 unit gas kick</u>
1528-40	Dolomite, brown, fine crystalline with fair pinpoint porosity. No visible show. <u>30 unit gas kick</u>
1594-1600	Limestone, gray to buff, granular, with fair pinpoint porosity. N.S.
1643-48 and 1657-68	Dolomite, brown and white mottled, fine crystalline, fair to good pinpoint porosity, cherty in part. No visible show. <u>65 unit gas kick</u>
1703-22	Limestone, buff, fine crystalline with good calcareous porosity. No show free oil, no odor, trace tan stain. <u>30 unit gas kick</u>
1759-66	Limestone, tan and white mottled fossiliferous with fair pinpoint

	porosity. N.S.
1798-1803	Limestone, buff, mealy, with poor pinpoint porosity, fossiliferous. N.S.
2018-26	Limestone, buff, with fair pinpoint and oolitic porosity. N.S.
2134-38	Limestone, light gray, very chalky with scattered pinpoint porosity.
<u>Tarkio</u>	2348
2348-60	Sand, gray, very fine grained, shaley, tight, no free oil, no odor, no fluorescence. <u>15 unit gas kick</u>
2475-82	Limestone, light gray, mealy, no visible porosity. <u>15 unit gas kick</u>
<u>Howard Lime</u>	2583
<u>Tonoka</u>	2597
2697-2703	Limestone, white to light gray, very chalky, with scattered pinpoint porosity. N.S.
2740-46	Limestone, buff, granular with some pinpoint porosity, chalky. N.S.
<u>Heebner Shale</u>	2914. <u>25 unit gas kick</u>
<u>Toronto</u>	2933
<u>Douglas</u>	2946
<u>Brown Lime</u>	3005
<u>Lansing</u>	3023
3026-28	Limestone, light gray, oolitic with very poor oolitic porosity, very scattered tan stain, no odor, very slight show free oil, very tight. <u>7 unit gas kick</u>
3057-61	Limestone, light gray, with good oolitic porosity, fair show free oil, faint odor, spotty saturation, tan stain, light brown oil. <u>12 unit gas kick</u>

DST #1 3050-63 Open 1 hour. Weak blow 4 minutes.
Recovered 8' mud. IBHP 54#/30". FBHP
31#/30" FP 31-31

3123-39 Limestone, light gray, with good
collicastic porosity, chalky, no visible
show. 2 unit gas kick

3161-70 Limestone, light gray, oolitic with
scattered collicastic porosity, no
visible show. 10 unit gas kick

3196-3203 (16) Limestone, light gray, with good
collicastic porosity, 20% with a good
show free oil, fair odor, good flor-
escence, tan stain. 3 unit gas kick

DST #2 3188-3205 Open 1 hour, weak blow 4 minutes,
recovered 15' oil specked mud. IBHP 935#/30"
FBHP 62#/30" FP 23-31

3232-36 Limestone, gray, mealy, very chalky,
with scattered pinpoint porosity. S.S.

Conglomerate Shale 3308

Conglomerate Sand 3323

3323-28 Sand, fine grained, white, well sorted,
round, good odor, good florescence,
good show free oil, fairly friable tan
stain. 3 unit gas kick

DST #3 3286-3328 Open 1 hour, weak blow 20
minutes, recovered 30' oil cut mud. IBHP
919#/30" FBHP 701#/30" FP 42-54

3328-42 Gray and red shale, with considerable
vari-colored chert, some oolitic chert.

Arbuskle 3342

3342-49 Dolomite, tan, medium crystalline,
dense, 1 piece with spotty tan stain.
No free oil. No odor.

3349-54 Dolomite, tan, medium crystalline

some intercrystalline porosity,
scattered stain, no free oil, good
odor.

DST #4 3344-54 Open 1 hour, good blow, recovered
870' salt water. IBHP 959#/30" FBHP
685#/30" FP 124-397.

Because of the lack of commercial oil shows, the well was
plugged and abandoned.

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