

MESSMAN-RINEHART, OIL COMPANY

5th Floor, Petroleum Building
Wichita, Kansas

G E O L O G I C A L R E P O R T

COMPANY M E R WELL WELSH NO. A-1
LOCATION NE SW SE 7-32-15N COUNTY Barber STATE KANSAS
DATE COMMENCED 7-1-60 DATE COMPLETED 7-19-60 ELEV. 1887 RB

FORMATION TOPS:

	Electric Log	Sample
<u>HEERNER</u>	<u>4004</u>	<u>4003 (-2116)</u>
<u>LANSING</u>	<u>4154</u>	<u>4156 (-2269)</u>
<u>MISS</u>	<u>4714</u>	<u>4716 (-2829)</u>
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Total Depth	<u>4870</u>	<u>4870</u>

SHOWS OF OIL: 4652-56 ("Massey Zone") Good dark saturation in very fossiliferous Lime Stone. Zone 4' thick.
4716-38 spotted stain & faint odor in hard Chert & Cherty lime stone. See DST #1

DRILL STEM TESTS:
DST #1 4711-46; open 1 hr, weak blow recovered 5' MUD. BHP 50-15/30" FP 10-10. BHT 116°
DST #2 4746-4870; open 1 hr, weak blow recovered 50' MUD. BHP 1025-95/30" FP 35-50 BHT 117°

CONCLUSIONS:

Structurally, the Walsh A-1 was flat with production wells both to the east & to the west, but the Chert (which is the producing zone in the pool) was very poorly developed, as evidenced by DST #1 & 2. The 4' oil zone in the Marmaton, the so-called "Massey Zone", was considered too thin to warrant the expenditure of the money necessary for completion as an oil well. For the above reasons the subject well was abandoned as a dry hole.
(over)

Geologist

Since the development of the chert beds in the upper part of the Mississippian was caused by the dissolving actions of ground waters on the cherty limestone beds of the Mississippian, it is understandable that the configuration of the reservoir resulting from this action will be irregular, and difficult to anticipate. Infield dry holes are not unusual in a reservoir of this type. They are present in the Hardtner, Driftwood, & Medicine Lodge pools, all of which are large gas pools producing from the Mississippian.

In my opinion, the record of 7 producers and one dry hole, on 320 Acre spacing, by Sinclair & ourselves is above average for a development program in a reservoir of this type.

LVT

QSM

DATE

TIME