

Conclusions on the Isern area.

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| Magnolia #1 Bayer, 7-20S-10W   | Arbuckle penetration | 84' |
| Hilligoss #1 Isern, 12-20S-11W | "                    | 21' |
| Derby #1 Bersheit, 12-20S-11W  | "                    | 60' |
| Gypsy #1 Steckel, 31-19S-10W   | "                    | 26' |

All four of these wells penetrate enough Arbuckle to give either Purcell, zone 5, or a good estimate on it. The Arbuckle structure in in Isern area proper, gives the same relative picture as that shown by the top of the lime, a dip slightly south of east.

In the Isern area proper, both the Derby and the Hilligoss wells are producing from the Miller, which is ~~absent~~ absent due to erosion in the Magnolia well. ~~All three wells found water in the top of~~ The Derby well and the Magnolia well found water in the top of the pre-Purcell. Because of the presence of Miller, it is probable that the Decorah outcrop is within a mile to the southwest of the Derby well.

The Steckel well has Arbuckle of about Purcell, zone 6, age at the top, had a pay zone in the base of the Purcell, and another pay zone in the top of the pre-Purcell. In the area near the Steckel, the pre-Purcell is the main porous zone, as the basal Purcell is highly variable in character. It is very probable that there is some erosional relief on the top of the pre-Purcell.