MICH POTASH
Permit Appl
MI-133-1I-0004,5,6

OR JOHNSON 3-1
00337
Directionally Drilled
Well in AOR inactive
Dry Hole

SURFACE CASING 13 3/8, 17 1/2 → 1.4396 ft/ft³

$(1,025\ sk)\left(\frac{1.18\ ft^3}{sk}\right)\left(\frac{1.4396\ ft}{ft^3}\right) = 1741\ ft$

INTERMEDIATE CASING 9 5/8, 12 1/4 → 3.1930 ft/ft³

$(2100\ sk)\left(\frac{1.18\ ft^3}{sk}\right)\left(\frac{3.1930\ ft}{ft^3}\right) = 7912\ ft$

PLUG ①-③ 8 1/2? OPEN HOLE → 2.5377 ft/ft³

Plug ① $(100\ sk)\left(\frac{1.18\ ft^3}{sk}\right)\left(\frac{2.5377\ ft}{ft^3}\right) = 299\ ft$

plug ① 8118' to 7819'

Plug ② $(365\ sk)\left(\frac{1.18\ ft^3}{sk}\right)\left(\frac{2.5377\ ft}{ft^3}\right) = 1,092\ ft$

plug ② 7823' — 6731 ft

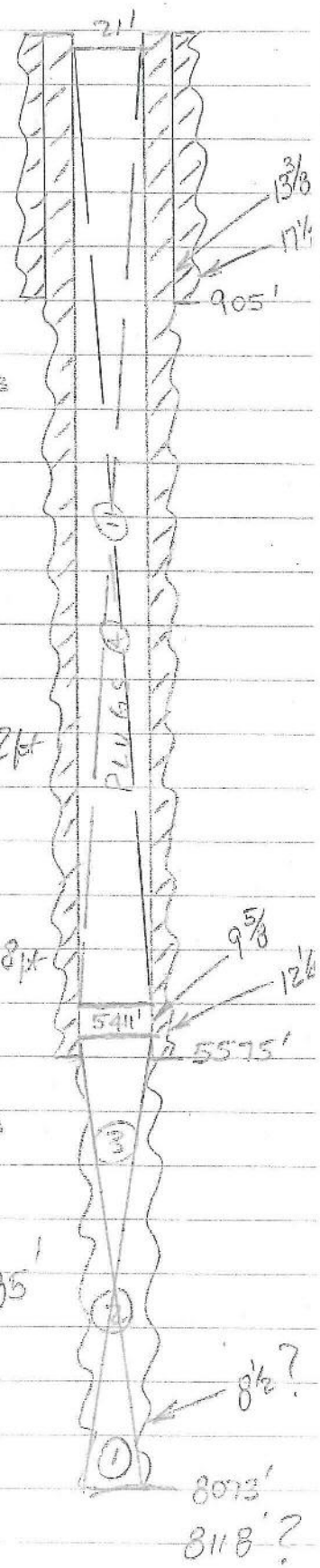
Plug ③ $(200\ sk)\left(\frac{1.18\ ft^3}{sk}\right)(2.5377\ ft) = 598\ ft$

plug ③ 6000' to 5402'

Plug ④-⑪ 9 5/8, #40 → 2.349 ft/ft³

plug ④-⑧ $(175\ sk)\left(\frac{1.18\ ft^3}{sk}\right)\left(\frac{2.349\ ft}{ft^3}\right) = 485'$

plug ④ 5411' to 4926'
plug ⑤ 4571' to 4086'
plug ⑥ 3731' to 3246'
plug ⑦ 2891' to 2406'
plug ⑧ 2051' to 1566'



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Plug (9) $(130\ sk)\left(\frac{1.18\ ft^3}{sk}\right)\left(\frac{2.349\ ft}{ft^3}\right) = 360\ ft.$

plug (9) 1211' to 851'

Plug (10) - (11)

$(110\ sk)\left(\frac{1.18\ ft^3}{sk}\right)\left(\frac{2.349\ ft}{ft^3}\right) = 304\ ft$

plug (10) 636' to 332'

plug (11) 325' to 21'