

RPT# 13-065-24091-01-00

GEOLOGICAL REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY Great Plains Energy, Inc.
LEASE Hunsicker #1-2
FIELD Wildcat
LOCATION 1570' FNL + 741' FNL
SEC 2 TWP 8 S RGE 25 W
COUNTY Graham STATE Kansas
CONTRACTOR W.W. Drilling Rig #12
SPUD 1-5-15 COMP 1-10-15
SAMPLES SAVED FROM 3450' TO R.T.D.

ELEVATION
KB 2444'
DF 2413'
GL 2426'
Depths Measured From
Log KB Drilling KB
CASING
Surface 338" @ 226'
Production None
ELECTRIC LOGS
Primax

FORMATION TOPS AND STRUCTURAL POSITION


| FORMATION | SAMPLE | E. LOG | DATUM | A | B | C | D |
|-----------------------|--------------|--------------------|-------|---------------|---------------|---|---|
| | | | | -9- | -9- | | |
| <u>Anhydrite</u> | <u>2189</u> | <u>2258 + 236</u> | | <u>+ 263</u> | <u>+ 253</u> | | |
| <u>Base Anhydrite</u> | <u>2261</u> | <u>2339 + 205</u> | | <u>+ 251</u> | <u>+ 261</u> | | |
| <u>Topeka</u> | <u>3535</u> | <u>3572 - 1087</u> | | <u>- 1071</u> | <u>- 1087</u> | | |
| <u>Heebner</u> | <u>3743</u> | <u>3741 - 1277</u> | | <u>- 1082</u> | <u>- 1114</u> | | |
| <u>Toronto</u> | <u>3765</u> | <u>3763 - 1317</u> | | <u>- 1100</u> | <u>- 1110</u> | | |
| <u>Lansing</u> | <u>3777</u> | <u>3775 - 1516</u> | | <u>- 1120</u> | <u>- 1110</u> | | |
| <u>Base Lansing</u> | <u>3992</u> | <u>3775 - 1535</u> | | <u>- 1335</u> | <u>- 1500</u> | | |
| <u>Total Depth</u> | <u>4150'</u> | <u>4030 - 1691</u> | | <u>- 1556</u> | <u>- 1391</u> | | |

REFERENCE WELLS

- A Empire DeLaCo, Faltz #1, NE-NE-NE Sec 10-8 S-25 W
- B Petro-Pak Corp. Minion #1, NE-SW-NE Sec 2-8 S-25 W
- C

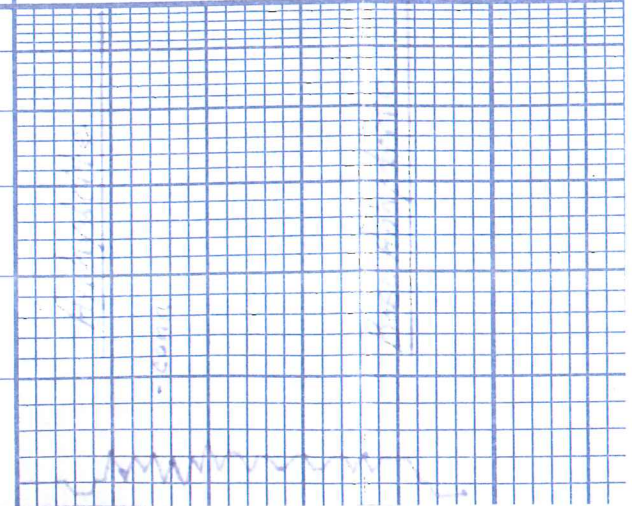
REMARKS
This well was drilled by the same contractor as well as the reference wells to the best of our knowledge.
This well was drilled to a depth of 4150 feet by the same contractor as well as the reference wells to the best of our knowledge.

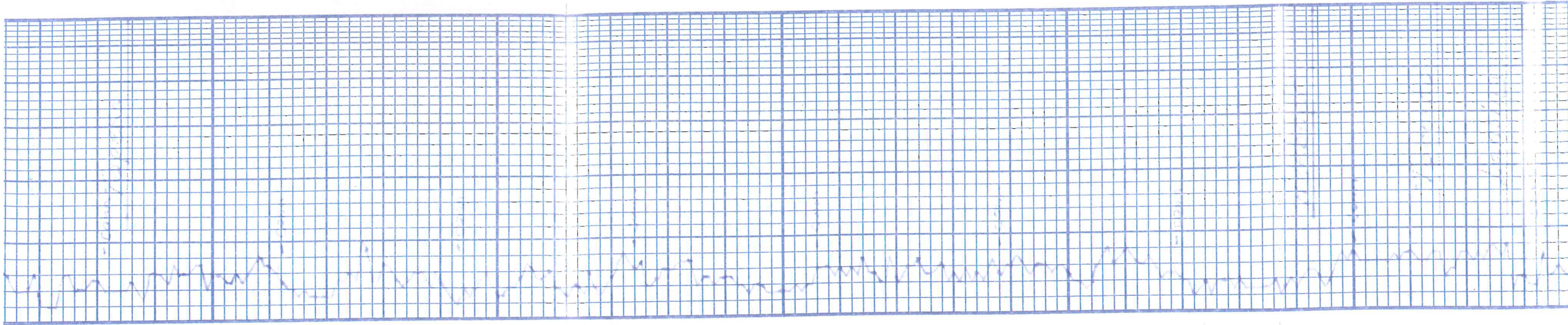
LEGEND

-  Dolomite
-  Chert
-  Ool. Lime
-  Limestone
-  Carb sh
-  Shale
-  Sandstone
-  Salt
-  Anhydrite

| DEPTH | SAMPLE DESCRIPTIONS | | | | | | | | | | OIL SHOWS | REMARKS |
|-------------|---------------------|--|--|--|--|--|--|--|--|--|-----------|---------|
| 0" - 5" | | | | | | | | | | | | |
| 5" - 10" | | | | | | | | | | | | |
| 10" - 15" | | | | | | | | | | | | |
| 15" - 20" | | | | | | | | | | | | |
| 20" - 25" | | | | | | | | | | | | |
| 25" - 30" | | | | | | | | | | | | |
| 30" - 35" | | | | | | | | | | | | |
| 35" - 40" | | | | | | | | | | | | |
| 40" - 45" | | | | | | | | | | | | |
| 45" - 50" | | | | | | | | | | | | |
| 50" - 55" | | | | | | | | | | | | |
| 55" - 60" | | | | | | | | | | | | |
| 60" - 65" | | | | | | | | | | | | |
| 65" - 70" | | | | | | | | | | | | |
| 70" - 75" | | | | | | | | | | | | |
| 75" - 80" | | | | | | | | | | | | |
| 80" - 85" | | | | | | | | | | | | |
| 85" - 90" | | | | | | | | | | | | |
| 90" - 95" | | | | | | | | | | | | |
| 95" - 100" | | | | | | | | | | | | |
| 100" - 105" | | | | | | | | | | | | |
| 105" - 110" | | | | | | | | | | | | |
| 110" - 115" | | | | | | | | | | | | |
| 115" - 120" | | | | | | | | | | | | |
| 120" - 125" | | | | | | | | | | | | |
| 125" - 130" | | | | | | | | | | | | |
| 130" - 135" | | | | | | | | | | | | |
| 135" - 140" | | | | | | | | | | | | |
| 140" - 145" | | | | | | | | | | | | |
| 145" - 150" | | | | | | | | | | | | |
| 150" - 155" | | | | | | | | | | | | |
| 155" - 160" | | | | | | | | | | | | |
| 160" - 165" | | | | | | | | | | | | |
| 165" - 170" | | | | | | | | | | | | |
| 170" - 175" | | | | | | | | | | | | |
| 175" - 180" | | | | | | | | | | | | |
| 180" - 185" | | | | | | | | | | | | |
| 185" - 190" | | | | | | | | | | | | |
| 190" - 195" | | | | | | | | | | | | |
| 195" - 200" | | | | | | | | | | | | |
| 200" - 205" | | | | | | | | | | | | |
| 205" - 210" | | | | | | | | | | | | |
| 210" - 215" | | | | | | | | | | | | |
| 215" - 220" | | | | | | | | | | | | |
| 220" - 225" | | | | | | | | | | | | |
| 225" - 230" | | | | | | | | | | | | |
| 230" - 235" | | | | | | | | | | | | |
| 235" - 240" | | | | | | | | | | | | |
| 240" - 245" | | | | | | | | | | | | |
| 245" - 250" | | | | | | | | | | | | |
| 250" - 255" | | | | | | | | | | | | |
| 255" - 260" | | | | | | | | | | | | |
| 260" - 265" | | | | | | | | | | | | |
| 265" - 270" | | | | | | | | | | | | |
| 270" - 275" | | | | | | | | | | | | |
| 275" - 280" | | | | | | | | | | | | |
| 280" - 285" | | | | | | | | | | | | |
| 285" - 290" | | | | | | | | | | | | |
| 290" - 295" | | | | | | | | | | | | |
| 295" - 300" | | | | | | | | | | | | |
| 300" - 305" | | | | | | | | | | | | |
| 305" - 310" | | | | | | | | | | | | |
| 310" - 315" | | | | | | | | | | | | |
| 315" - 320" | | | | | | | | | | | | |
| 320" - 325" | | | | | | | | | | | | |
| 325" - 330" | | | | | | | | | | | | |
| 330" - 335" | | | | | | | | | | | | |
| 335" - 340" | | | | | | | | | | | | |
| 340" - 345" | | | | | | | | | | | | |
| 345" - 350" | | | | | | | | | | | | |
| 350" - 355" | | | | | | | | | | | | |
| 355" - 360" | | | | | | | | | | | | |
| 360" - 365" | | | | | | | | | | | | |
| 365" - 370" | | | | | | | | | | | | |
| 370" - 375" | | | | | | | | | | | | |
| 375" - 380" | | | | | | | | | | | | |
| 380" - 385" | | | | | | | | | | | | |
| 385" - 390" | | | | | | | | | | | | |
| 390" - 395" | | | | | | | | | | | | |
| 395" - 400" | | | | | | | | | | | | |
| 400" - 405" | | | | | | | | | | | | |
| 405" - 410" | | | | | | | | | | | | |
| 410" - 415" | | | | | | | | | | | | |
| 415" - 420" | | | | | | | | | | | | |

DRILLING TIME IN MINUTES
PER FOOT
Rate of Penetration Decreases





| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|---------|----------|----------|----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----|
| 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| Lead I | Lead II | Lead III | Lead aVR | Lead aVL | Lead aVF | Lead V1 | Lead V2 | Lead V3 | Lead V4 | Lead V5 | Lead V6 | Lead V7 | Lead V8 | Lead V9 | Lead V10 | Lead V11 | Lead V12 | Lead V13 | Lead V14 | Lead V15 | Lead V16 | Lead V17 | Lead V18 | Lead V19 | Lead V20 | Lead V21 | Lead V22 | Lead V23 | Lead V24 | |
| 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |

30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

Handwritten text on the left margin: "Date: 4/11/2020", "Page: 1", "Topic: Linear Equations".

