# DRILLERS LOG

API NO: 15 - 019 - 27662 - 00 - 00

OPERATOR: JOHN HORTON

ADDRESS: P.O. BOX 314, SEDAN, KS 67361

WELL #: 4 LEASE NAME: WEMMER

S. 25 T. 34 R. 11 E. W.

LOCATION: S2 SW NE NW

COUNTY: CHAUTAUQUA

ELEV. GR.: 890

DF: KB:

FOOTAGE LOCATION: 1000 FEET FROM (N) (S) LINE 1650 FEET FROM (E) (W) LINE

CONTRACTOR: FINNEY DRILLING COMPANY

GEOLOGIST: JOHN HORTON

SPUD DATE: 1/10/2019

TOTAL DEPTH: 1121 P.B.T.D.

DATE COMPLETED: 3/19/2019

OIL PURCHASER: COFFEYVILLE RESOURCES CRUDE TRANSPORTATION

## CASING RECORD

REPORT OF ALL STRINGS - SURFACE, INTERMEDIATE, PRODUCTION, ETC.

| PURPOSE OF STRING | SIZE HOLE DRILLED | SIZE CASING SET (in O.D.) | WEIGHT LBS/FT | SETTING DEPTH | TYPE CEMENT | SACKS | TYPE AND % ADDITIVES |
|---|---|---|---|---|---|---|---|
| SURFACE: | 12.25 | 8.625 | 26 | 40 | I | 15 | |
| PRODUCTION: | 6.75 | | | | | | PLUG WELL |

## WELL LOG

CORES: # NONE

RECOVERED:

ACTUAL CORING TIME:

RAN:

| FORMATION | TOP | BOTTOM |
|---|---|---|
| FILL | 0 | 2 |
| SAND ROCK | 2 | 8 |
| CLAY | 8 | 14 |
| LIME | 14 | 16 |
| SHALE | 16 | 21 |
| LIME | 21 | 23 |
| SHALE | 23 | 25 |
| LIME | 25 | 28 |
| SHALE | 28 | 36 |
| LIME | 36 | 40 |
| SAND & SHALE | 40 | 200 |
| LIME | 200 | 205 |
| SAND & SHALE | 205 | 232 |
| LIME | 232 | 233 |
| SAND & SHALE | 233 | 259 |
| SAND | 259 | 288 |
| SHALE | 288 | 440 |
| LIME | 440 | 444 |
| SAND & SHALE | 444 | 454 |
| LIME | 454 | 456 |
| SAND & SHALE | 456 | 463 |
| LIME | 463 | 465 |
| SAND & SHALE | 465 | 486 |
| LIME | 486 | 497 |
| SAND & SHALE | 497 | 720 |
| LIME | 720 | 722 |
| SAND & SHALE | 722 | 750 |
| LIME | 750 | 753 |
| SAND & SHALE | 753 | 759 |
| LIME | 759 | 760 |
| SAND & SHALE | 760 | 803 |
| LIME | 803 | 806 |
| SAND & SHALE | 806 | 818 |
| LIME | 818 | 826 |
| SAND & SHALE | 826 | 869 |
| DRUM LIME | 869 | 876 |
| SAND & SHALE | 876 | 891 |
| RED SAND & SHALE | 891 | 899 |
| SAND & SHALE | 899 | 1053 |
| LIME | 1053 | 1057 |
| SAND & SHALE | 1057 | 1067 |
| LIME | 1067 | 1070 |

| FORMATION | TOP | BOTTOM |
|---|---|---|
| SAND & SHALE NO SHOW | 1070 | 1074 |
| SAND & SHALE NO SHOW | 1074 | 1078 |
| SAND & SHALE LIME | 1078 | 1087 |
| SANDY LIME | 1087 | 1092 |
| SHALE & SAND | 1092 | 1121 T.D. |