



11 Lewis Drive

Paola, KS 66071

**Oil & Gas Well Drilling
Water Wells
Geo-Loop Installation**

Phone: 913-557-9083

Fax: 913-557-9084

WELL LOG

Hoehn Oil, LLC

Gillespie #I-11

API #15-091-24,466

August 30 - September 1, 2017

| <u>Thickness of Strata</u> | <u>Formation</u> | <u>Total</u> |
|----------------------------|------------------|-----------------------------------|
| 11 | soil & clay | 11 |
| 36 | shale | 46 |
| 4 | lime | 51 |
| 8 | shale | 59 |
| 20 | lime | 79 |
| 5 | shale | 84 |
| 9 | lime | 93 |
| 5 | shale | 98 |
| 22 | lime | 120 |
| 5 | shale | 125 |
| 37 | lime | 162 |
| 27 | shale | 189 |
| 9 | lime | 198 |
| 27 | shale | 225 |
| 10 | lime | 235 |
| 11 | shale | 246 |
| 11 | lime | 257 |
| 19 | shale | 276 |
| 4 | lime | 280 |
| 8 | shale | 288 |
| 5 | lime | 293 |
| 41 | shale | 334 |
| 29 | lime | 363 |
| 9 | shale | 372 |
| 21 | lime | 393 |
| 4 | shale | 397 |
| 13 | lime | 410 base of the Kansas City |
| 173 | shale | 583 |
| 4 | lime | 587 |
| 13 | shale | 600 |
| 5 | lime | 605 |
| 2 | shale | 607 |
| 4 | broken sand | 611 brown & green, light bleeding |
| 10 | shale | 621 |
| 3 | lime | 624 |
| 11 | shale | 635 |
| 5 | lime | 640 |
| 29 | shale | 669 |
| 2 | lime | 671 |
| 73 | shale | 744 |

| | | |
|-----|-------------|----------------------------------|
| 5 | broken sand | 749 brown & grey, light oil show |
| 106 | shale | 855 |
| 1 | lime | 856 |
| 6 | shale | 862 |
| 1 | lime | 863 oil show |
| 6 | oil sand | 869 black, 100% bleeding |
| 59 | shale | 928 TD |

Drilled a 9 7/8" hole to 22.8'

Drilled a 5 5/8" hole to 928'

Set 22.8' of 7" threaded and coupled surface casing with 5 sacks of cement.

Set 918' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 float shoe, 1 clamp.

Set baffle at 912'



QES PRESSURE PUMPING LLC
 PO Box 884, Chanute, KS 66720
 620-431-8210 or 800-467-9676

8465 / 8559

TICKET NUMBER 53837

LOCATION BHawn, KS

FOREMAN Casey Kennedy

FIELD TICKET & TREATMENT REPORT
 CEMENT

Invoice #81189

| DATE | CUSTOMER # | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE | COUNTY |
|--------|------------|--------------------|---------|----------|-------|--------|
| 9/1/17 | 3602 | Gillespie # I-11 | NW 31 | B14 | 22 | JO |

| CUSTOMER | TRUCK # | DRIVER | TRUCK # | DRIVER |
|----------------|---------|----------|---------|----------------|
| Hoehn Oil, LLC | 729 | Carlsen | ✓ | Safety Meeting |
| | 495 | HarBec | ✓ | |
| | 503 | Mike Haa | ✓ | |
| | 675 | Kei Det | ✓ | |

| MAILING ADDRESS | CITY | STATE | ZIP CODE |
|------------------|----------|-------|----------|
| 40971 West 247th | Wellside | KS | 66092 |

JOB TYPE long string HOLE SIZE 5 7/8" HOLE DEPTH _____ CASING SIZE & WEIGHT 2 3/8" EUE
 CASING DEPTH _____ DRILL PIPE _____ TUBING baffle OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT In CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 bpm

REMARKS: hold safety meeting, established circulation, mixed & pumped 200# Gel followed by 5 bbls fresh water, mixed & pumped 128 stks Pozblend A cement w/ 2% gel + 1/8" Phenoseal per sk, cement to surface. flushed pump clean, pumped 2 1/2" rubber plug to baffle w/ 1 bbls fresh water, pressured to 800 PSI, well hold pressure for 30 min M/T, released pressure, shut in casing.

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| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE | TOTAL |
|--------------|-------------------|------------------------------------|-----------------|---------|
| CE0450 | 1 | PUMP CHARGE | 1500.00 | |
| CE0002 | 30 mi | MILEAGE | 214.50 | |
| CE0711 | mi | ton mileage | 660.00 | |
| WF0853 | 2 hrs | 80 vac | 200.00 | |
| | | trucks | 2571.50 | |
| | | - 55% | 1415.98 | |
| | | Subtotal | | 1158.52 |
| CC5840 | 128 stks | Pozblend A cement | 1728.00 | |
| CC5965 | 415 # | Gel | 124.50 | |
| CC1079 | 64 # | Phenoseal | 86.40 | |
| CP8176 | 1 | 2 1/2" rubber plug | 45.00 | |
| | | materials | 1983.90 | |
| | | - 55% | 1091.15 | |
| | | Subtotal | | 892.75 |
| | | 7.975% | SALES TAX | 71.20 |
| | | | ESTIMATED TOTAL | 2122.49 |

Ravin 3737

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AUTHORIZATION _____ TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.