

HAT DRILLING
12371 KS HWY 7
MOUND CITY, KS 66056
LICENSE # 33734

Schuknecht #I-1
API # 15-121-29821-00-00
SPUD DATE 1-14-14

| Footage | Formation | Thickness | Set 22' of 7' TD 418' |
|---------|-------------|-----------|--------------------------------|
| 2 | Topsoil | 2 | |
| 10 | clay | 8 | Ran 411' of 2 7/8 on 1-15-14 |
| 13 | sand/stone | 3 | |
| 25 | shale | 12 | |
| 33 | lime | 8 | |
| 44 | shale | 11 | |
| 58 | lime | 14 | |
| 68 | shale | 10 | |
| 71 | lime | 3 | |
| 108 | shale | 37 | |
| 123 | lime | 15 | |
| 134 | shale | 11 | |
| 212 | lime | 78 | |
| 330 | shale | 118 | |
| 331 | sandy/shale | 1 | good odor, good show |
| 336 | oil sand | 5 | 65% sand, 35% shale, good show |
| 418 | shale | 82 | |



CONSOLIDATED
Oil Well Services, LLC

265389

TICKET NUMBER 42535

LOCATION Ottawa KS

FOREMAN Fred Madar

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

| DATE | CUSTOMER # | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE | COUNTY |
|--------------------------|------------|--------------------|---------|----------|---------|--------|
| 1-15-14 | 8553 | Schutknecht #2-2 | NW 20 | 17 | 23 | M1 |
| CUSTOMER | | | TRUCK # | DRIVER | TRUCK # | DRIVER |
| VAST Petroleum of KS LLC | | | 712 | Fremad | | |
| MAILING ADDRESS | | | 495 | HarBec | | |
| 10939 N Alpine Hiway | | | 675 | Kei Det | | |
| CITY | STATE | ZIP CODE | 510 | Set Tuc | | |
| Highland | VT | 84003 | | | | |

JOB TYPE Longstring HOLE SIZE _____ HOLE DEPTH 418 CASING SIZE & WEIGHT 2 7/8 EUE
 CASING DEPTH 411 DRILL PIPE Baffle in TUBING @ 379' OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 2.2 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE 53 BPM

REMARKS: Hold crew safety meeting. Establish circulation. Mix Pump
100 # Gel Flush. 0 Mix + Pump 78 SKs 50/50 Por Mix
Cement 2% Gel 2% Calcium Chloride 1/4" Flo Seal /sk.
Cement to surface. Flush pump + lines clean. Displace
2 1/2" Rubber plug to baffle in casing. Pressure to 500
PSI. Hold + Monitor for pressure for 30 min MIT.
Release pressure to set float valves. Shut in casing.

Not Drilling

Fred Madar

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE | TOTAL |
|--------------|-------------------|------------------------------------|------------|--------------------|
| 5401 | 1 | PUMP CHARGE | 495 | 1985 ⁰⁰ |
| 5406 | 30 mi | MILEAGE | 495 | 126 ⁰⁰ |
| 5402 | 411' | Casing footage | | N/C |
| 5407 | Minimum | Ton Miles | 510 | 368 ⁰⁰ |
| 5502C | 2 hrs | 80 BBL Vac Truck | 675 | 180 ⁰⁰ |
| 1124 | 78 SKs | 50/50 Por Mix Cement | | 897 ⁰⁰ |
| 115B | 231 # | Premium Gel | | 508 ² |
| 1102 | 131 # | Calcium Chloride | | 102 ¹⁸ |
| 1107 | 20 # | Flo Seal | | 49 ⁹⁰ |
| 4402 | 1 | 2 1/2" Rubber Plug | | 29 ⁵⁰ |
| | | | 7.65% | SALES TAX |
| | | | | ESTIMATED |
| | | | | TOTAL |
| | | | | 86 ³⁷ |
| | | | | 27 |
| | | | | 2974 |

Ravin 8737

AUTHORIZATION [Signature] TITLE [Signature] 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