StrataKan EXPLORATION

COMPANY **StrataKan Exploration, LLC.**
LEASE **Habiger 18-1**
FIELD **Unnamed**
LOCATION **1800' FNL 2200' FEL**
SEC **18** TWSP **18s** RGE **9w**
COUNTY **Rice** STATE **Kansas**

ELEVATIONS
KB **1743'**
DF
GL **1732'**
Measurements are all from **KB**

CONTRACTOR **WW Drilling, LLC.**
SPUD **1/25/2017** COMP **1/30/2017**
RTD **3330** LTD **3327**
MUD UP **2350** TYPE MUD **Chemical Fresh**

CASING
SURFACE **8 5/8 32# @355' W/ 18**
PRODUCTION **5 1/2 15.5# @3324' W/1**

SAMPLES SAVED FROM **2350'** TO **RTD**
DRILLING TIME KEPT FROM **2350'** TO **RTD**
SAMPLES EXAMINED FROM **2350'** TO **RTD**
GEOLOGICAL SUPERVISION FROM **2350'** TO **RTD**
GEOLOGIST ON WELL **Justin R. Prater**

ELECTRICAL SURVEYS
**CDNL, DIL, MEL, Sonic**

| FORMATION TOPS | LOG | SAMPLES |
|---|---|---|
| **HOWARD** | **2382 -639** | **2391 -648** |
| **Severy** | **2441 -698** | **2447 -704** |
| **TOPEKA** | **2475 -732** | **2483 -740** |
| **LECOMPTON** | **2604 -861** | **2608 -865** |
| **HEEBNER SHALE** | **2745 -1002** | **2750 -1007** |
| **DOUGLAS SHALE** | **2780 -1037** | **2782 -1039** |
| **BROWN LIME** | **2863 -1120** | **2869 -1126** |
| **LANSING** | **2889 -1146** | **2895 -1152** |
| **STARK SHALE** | **3100 -1357** | **3106 -1363** |
| **BASE KANSAS CITY** | **3162 -1419** | **3168 -1425** |
| **ARBUCKLE** | **3221 -1478** | **3228 -1485** |
| **RTD/LTD** | **3327 -1584** | **3330 -1587** |

FAVORABLE STRUCTURAL POSITION, DST, SHOWS, AND LOG CALCULATIONS.

5.5" PRODUCTION CASING WAS SET TO FURTHER TEST THE ARBUCKLE DOLOMITE.

RECOMMEND PERFORATIONS:

3238-46 ARBUCKLE LOWER
3231-34 ARBUCKLE UPPER

BEFORE ABANDONMENT:

"J" 3082-86 (LOG CALC)
"I" 3055-60 (LOG CALC)
"G" 2970-72 (LOG CALC)
"C" 2908-2910 (LOG CALC)
OREAD 2690-94 (OIL SHOW)

Justin R. Prater

**Curve Track #1**

ROP (miin/ft) 0 10

Gamma (API) 0 150

Cal (in) 0 16

DEPTH

DST

LITHOLOGY

Oil Show

Geological Descriptions

**TG, C1 - C5**

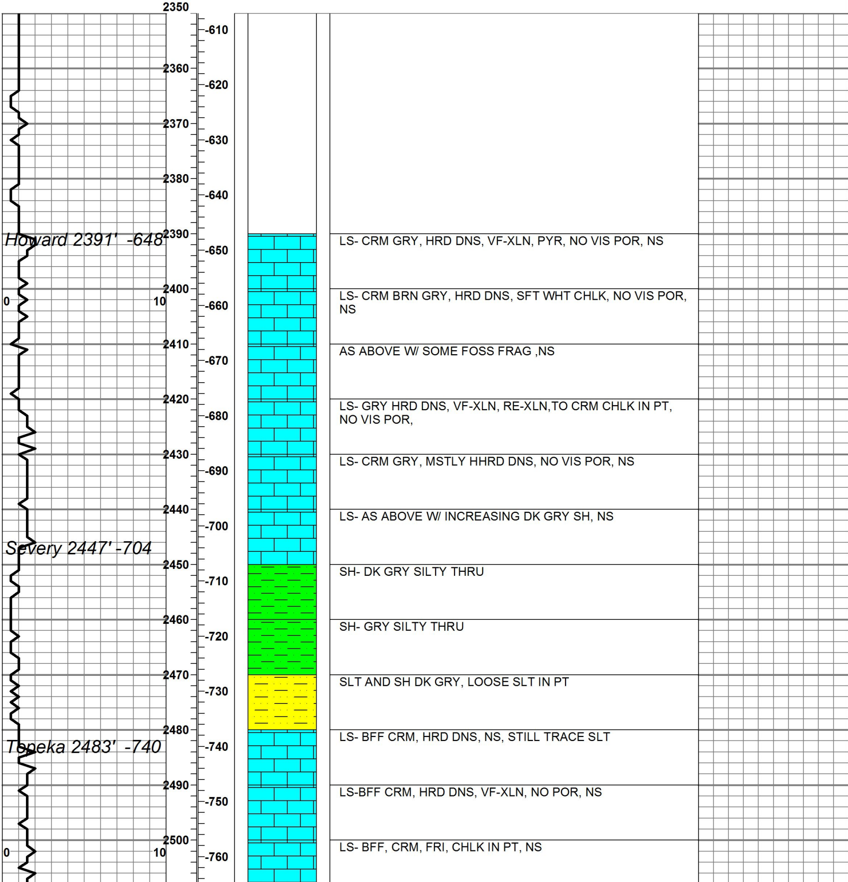
**Total Gas (units)** 0 100

**C1 (units)** 0 100

**C2 (units)** 0 100

**C3 (units)** 0 100

**C4 (units)** 1 100



LS- CRM GRY, HRD DNS, VF-XLN, PYR, NO VIS POR, NS

LS- CRM BRN GRY, HRD DNS, SFT WHT CHLK, NO VIS POR, NS

AS ABOVE W/ SOME FOSS FRAG ,NS

LS- GRY HRD DNS, VF-XLN, RE-XLN,TO CRM CHLK IN PT, NO VIS POR,

LS- CRM GRY, MSTLY HHRD DNS, NO VIS POR, NS

LS- AS ABOVE W/ INCREASING DK GRY SH, NS

SH- DK GRY SILTY THRU

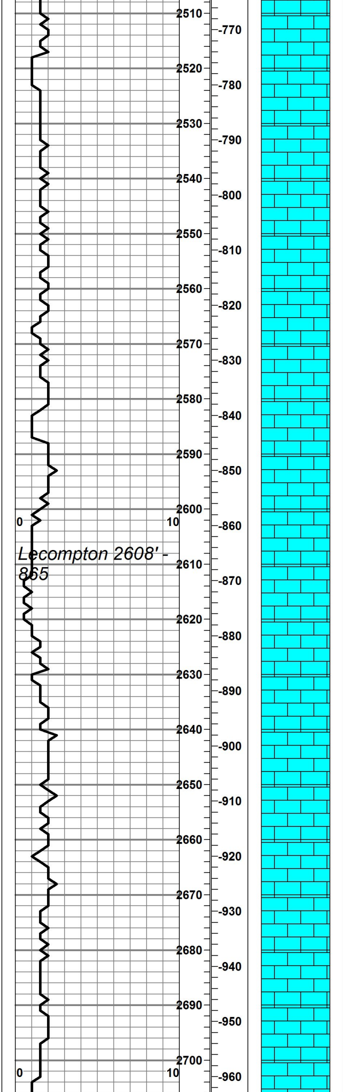
SH- GRY SILTY THRU

SLT AND SH DK GRY, LOOSE SLT IN PT

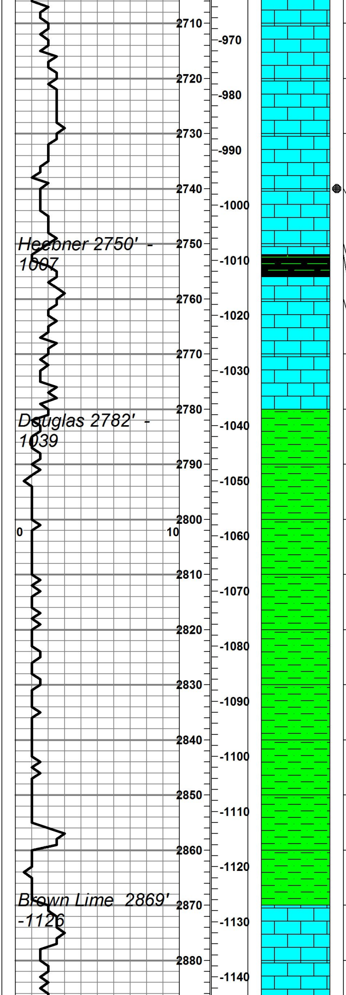
LS- BFF CRM, HRD DNS, NS, STILL TRACE SLT

LS-BFF CRM, HRD DNS, VF-XLN, NO POR, NS

LS- BFF, CRM, FRI, CHLK IN PT, NS



| | |
|---|---|
| 2510 | LS-CRM, MSTLY DNS, RARE POOR XLN POR, NS |
| 2520 | LS- CRM, DNS, PYRITE INCLUSIONS, NS |
| 2530 | LS-CRM, OFF WHT, DNS, NS |
| 2540 | LS- CRM, MSTLY DNS, FEW WHT CHLK, NS |
| 2550 | LS- CRM BFF, MSTLY DNS, SL CHLK, NS |
| 2560 | LS- BFF CRM, DNS HRD, OCC WHT CHLK, NO VIS POR, NS |
| 2570 | LS- CRM, HRD, F-XLN, TR VUGS, NO STN, NO SHOW |
| 2580 | LS-CRM, HRD DNS, NVP, W/ SC FOSS FRAG, NS |
| 2590 | LS-BFF CRM, HRD DNS, VF-XLN, NS |
| 2600 | LS-BFF CRM, OCC SPLNTRY BLK SH, DNS, VF-F XLN, NS |
| 2610 | LS- CRM TN, DNS HRD, NO VIS POR, NS |
| 2620 | LS- CRM, SM WHT CHLK, SOME FRI, MOSTLY HRD DNS W/ NO VIS POR |
| 2630 | LS-CRM TN, DNS, VF-XLN, WHT CHLK, NS |
| 2640 | LS-BFF CRM TN, HRD, SCT M-F XLN, W/ SOME CHLKY, NO SHOW |
| 2650 | LS- CRM, HRD, NO POR, NS |
| 2660 | LS-CRM BFF, DNS HRD, VF-XLN, FOSS FRAG, NS |
| 2670 | LS-CRM, DNS, HRD, RE-XLN, NS |
| 2680 | LS- CRM, DNS, BRT, SM CHLKY, NS |
| 2690 | LS- CRM GRY, F-XLN, DNS BRTTL, RARE DK BRN DEAD STN, VVSLT ODR , NO SHOW |
| 2700 | LS-CRM, BRTTL, NVP, CHLKY, MORE ODOR?, NO SHOW |



LS- CRM, HRD, DNS, V RARE DK, BRN STN, NO FLOR, NO CUT, NS, SLT ODR

LS-CRM, TN, MSTLY DNS, RARE MF-F XLN, SLT V DK BRN STN IN 2 PIECES, SLOW DULL YLLW CUT FLOR, VVSSFO, V SLT ODR

LS- CRM BFF, MSTLY DNS, SHOW FREE OIL IN RARE GOOD XLN POR, STREAMING CUT, SL TO FAST, OIL IS LT BRN, CUT PALE YLLW FLOR, V SLT ODR, NO GAS KICK, BG 11 UNITS

LS- TN CRM, MSTLY DNS, BRTL, RARE F XNLN POR, SLT CHLKY, POOR SHOW FREE DK BRN OIL IN ONE PIECE W/GOOD XLN POR, NO ODOR, NO GAS KICK, POOR VRY SLOW STRM CUT

LS- CRM TN, HRD DNS, NVP, NO SHOW

SH- BLK CARB

LS-CRM TN, HRD DNS, NO POR, NO SHOW

LS-CRM TN, SLT CHLKY, NVP, INCREASING GRY SH

SH- GRY SLTY THRU

SH- GRY SLTY THRU, SOME CRM LS, FOSS FRAG

SH- GRY, SLTY THRU

SH-GRY, SLTY THRU

SH- GRY, SLTY, GUMMY

SH- GRY, SLTY THRU, TRC PYRITE

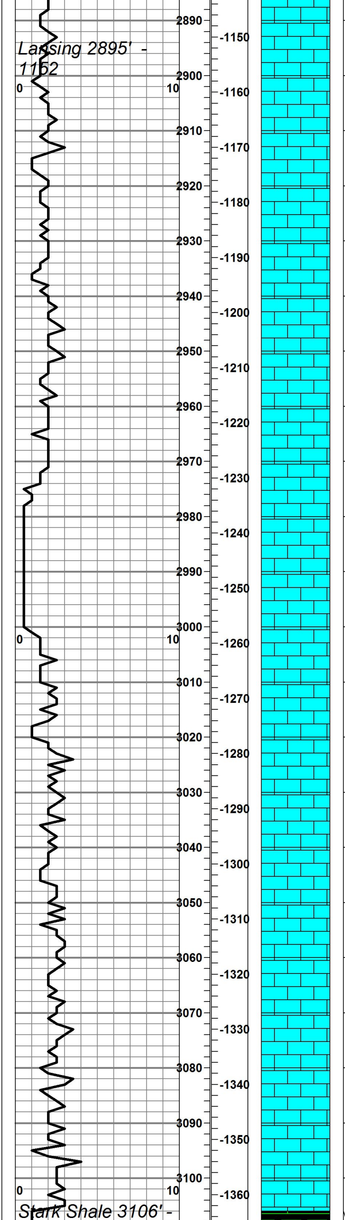
SH- GRY, SLTYY THRU BUT DECREASING, SOME TN LS, NS

SH- GRY, LOTS SILT, NS

SH-GRY, SLTY THRU, NS

LS, TN BRN, HRD DNS, NS

LS, TN BRN, HRD DNS, NS



LS, CRM, HRD DNS, VF-XLN, NO SHOW

LS, CRM, HRD BRTTL, VF-XLN, W/ RE-XLN

LS- CRM, HRD DNS, VF-XLN, W/ SOME CHLK, RE-XLN, NO SHOW

LS- CRM BFF, DNS, PYR INC, NO VIS POR, NO SHOW

LS-CRM BFF, VRY DNS, VF-XLN, RE-XLN, NS

LS-CRM BFF, HRD DNS, SCAT OOMOLDIC POR, NO SHOW

LS-CRM, HRD DNS, RE-XLN, RARE M-XLN POR, NO SHOW, NO ODOR

LS- CRM, BRTTL, OCC M-F XLN, RARE VUG, NS, VVSL ODR

LS-DNS , BRTTL, NO VIS POR IN MOST, RARE F-VF XLN, NO SHOW

LS- CRM, DNS, NO SHOW

LS- CFS "30" "60" 2994, LS- CRM TN, GOOD INTER MOLD POR THRU, OOLICAST, SLT ODR, NO SHOW FREE OIL, 30 UNIT GAS INCREASE

LS- AS ABOVE W/ BETTER INTER MOLD POR, OOLCST, NS

LS- CRM TN, HRD DNS, OOLICAST THRU, GOOD INTER MOLD POR, RARE BLK STN, NO CUT, NO SHOW

LS- CRM TN, HRD DNS, OOLICAST, SOME INTER MOLD, SLIGHT OIL ODOR, NO STN, NO SHOW

LS- CRM TN, HRD DNS, SCAT OOLICAST, RARE INT MOLD POR, NO ODOR, NO SHOW

LS- CRM TN, HRD, DNS, SCAT OOLICAST, SOME INT MOLD POR, VF-XLN, SLT ODR, NO SHOW

LS- CRM, HRD DNS, SCATTERED MF-F XLN POR, RARE INTER MOLD POR, NO SHOW

LS- CRM, HRD DNS, VF-XLN RE-XLN, NO SHOW

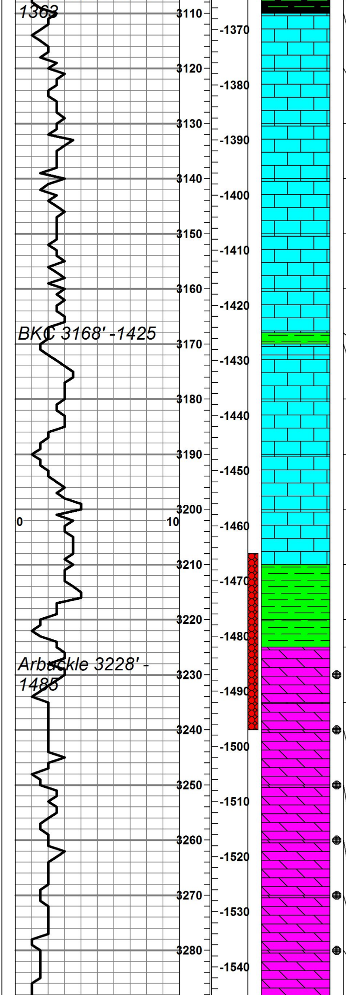
LS- CRM, HD DNS, SC P-P POR, DEAD BLK STN IN ONE PIECE, NO SHOW

LS- CRM TN, HRD, DNS, SOME BRTL, NO VIS POR, NO SHOW

LS-CRM TN, HRD DNS, SCT GOOD INT MOLD POR, BARREN, NO SHOW, NO ODOR

LS- CRM TN, HRD, SOME FRI, SCT FAIR P-P POR, COMPLETELY BARREN, NO SHOW

SH- BLK CARB



SH- BLK CARB

LS- CRM TN, BRTTL, NO VIS POR, RARE BLK DD STN, SLT ODOR, NO SHOW

LS, CRM TN, HRD, VF-XLN, NO SHOW

LS-CRM, HRD, DNS, NVP, NO SHOW

LS- CRM BFF, FN- XLN, RARE INTR MOLD, NO SHOW

LS- CRM TN, VF-XLN TO NO VIS POR, NO SHOW

LS- CRM, F-VF XLN, RARE OOCAST, BRTTL, NO SHOW, NO ODOR

SH-

LS- CRM, NVP, SH- GRN RD, BRN

LS- CRM, VF XLN, RE-XLN, NO SHOW

LS CRM, W/ GRY RD GRN SH, NO SHOW

LS- CRM TN, VRY DNS, W/ SH- DK GRY SPLNTRY, NS

SH- GRY RD-BRN, RARE CHT ORANGE, NS

SH- MUCH RD-BRN GRN, V GUMMY

DOL- CRM, HD DNS, MED-FN XLN, STRONG OIL ODOR, SLT LT BRN STN, NO VIS OIL SHW, FLUSH CUT BLU FLOR, 20 UNIT GAS SHOW

DOL- CRM, HD BRTL, MED-FN XLN, HEAVY LT BRN STN THRU, STRONG OIL ODOR, SCT PYR, EXC FLUSH CUT, 50 UNIT GAS SHOW

DOL- CRM TN, HD BRTTL, MED-FN XLN, SOME INTR VUG POR, LT BRN OIL STAIN, EXCELLENT FLUSH CUT, STRONG OIL ODOR, GAS READING HIGH FROM OIL IN MUD AFTER DST#1

DOL- CRM TN, GD XLN POR, SUC, SCT VUG, GOOD SHOW LT BRN OIL, INSTANT CUT, VERY STRONG ODOR, GAS BUBBLES.

DOL, CRM TN, MED-XLN, SCTT VUG POR, HEAVY LT BRN STN THRU, STRONG ODR, EXC CUT

DOL, CRM TN, SUC, MED-FN XLN, TRC VUG W SLT SHOW DK BRN OIL, STRONG ODOR.

DOL- CRM TN, SUC, MED-VF XLN, OCC VUG W LT BRN OIL, GOOD ODOR

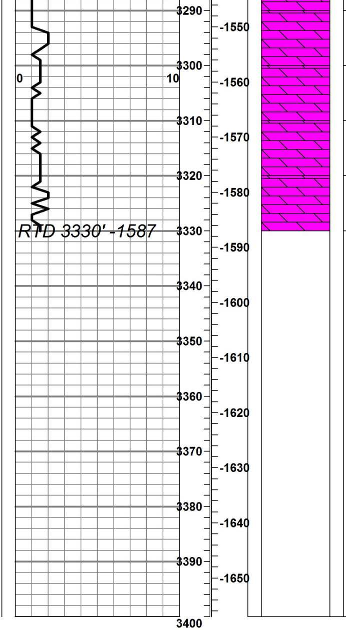
***SHORT TRIP TO COLLARS @3200'***

***DST #1 3208-3240***
***ARBUCKLE***
***45-45-45-45***

***IF: FAIR BLOW***
***BUILT TO 7.5"***
***ISI: NO BB***
***FF: FAIR BLOW***
***BUILT TO 5"***
***FSI: WEAK***
***SURFACE BB***

***RECOVERY:***
***90' GIP***
***352' CGO 10% GAS***
***90% OIL***
***120' GOCM 10%***
***GAS 10% OIL 80%***
***MUD***

***SHUT IN #***
***693-645***



FLOW #
19-98
93-140

DOL- CRM TN, SUC, MED XLN, CRS XLN, HEAVY STN, GOOD OIL ODR.

DOL- CRM TN, SUC, MED-CRS XLN, SCT VUG, STN, OIL ODOR

API 50 GRAVITY

DOL- CRM WHT, F-VF XLN, SCT CRS XLN, RARE VUG, LESS STN, GOOD ODOR BUT NOT AS STRONG

DOL- AS ABOVE RTD 3:30 A.M. 1/30/17

DEV SURVEY
@3240 1 DEG