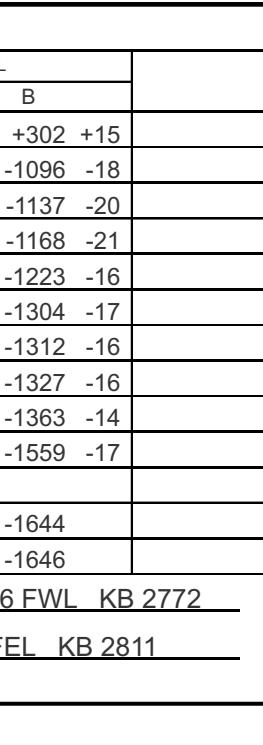


GEOLOGICAL REPORT

Larry A. Nicholson

39 NAD 83
39-7891644
-106-4643593



COMPANY & WELL **Suemaur E&P Schamberger #1-5**
LOCATION **1417 FNL 1051 FEL NW NW SE NE**
STATE **Ks**
SECTION **5** TWP **7S** RGE **28W**

COMPANY **Suemaur Exploration & Production, LLC**
API # **15-179-21431** FIELD ID. **Wildcat**
LEASE **Schamberger** WELL # **#1-5**
LOCATION **NW NW SE NE**
SURVEY **1417 FNL 1051 FEL**
SECTION **5** TWP **7S** RGE **28W**

COUNTY **Sheridan** STATE **Kansas**

CONTRACTOR **Murfin Drilling Company, Inc.** rig # **Z** ELEVATIONS
SPUD **1:30 pm 10-19-16** COMP. **K.B. 2771**
RTD **4500 5:50 am 10-24-16** LTD. **4501** D.F. **2776**
MUD UP AT **3286** G.L. **2766**
MUD TYPE **Chemical, Morgan Mud, Dave Lines** All measurements from **K.B. 2771**

SAMPLES SAVED Casing Record
DRILLING TIME Conductor **of** **wl** **sx**
SAMPLES EXAMINED FROM **3550** TO **RTD** Surface **290** **of** **wl** **sx**
GEOLOGICAL SUPERVISION FROM **3500** TO **RTD** Production **of** **wl** **sx**

WELLSITE GEOLOGIST **LARRY A. NICHOLSON**

ELECTRICAL SURVEYS **Weatherford, Den, Neu, Dual, Micro, Hi-Res**

FORMATION SAMPLE TOPS SUBSEA DATUM ELEC SURVEY TOPS SUBSEA DATUM REFERENCE WELL

Anhydrite 2481 +290 2484 +287 2495 +287 2514 +302 +15

Heeber 3887 -1116 3885 -1114 3895 -1127 +13 3912 -1096 -18

LANS C 3928 -1118 3928 -1157 3939 -1157 +7 3953 -1168 -21

LANS Upr G 4015 -1244 4010 -1239 4024 -1252 +13 4038 -1223 -16

LANS J 4091 -1320 4092 -1321 4099 -1327 +6 4120 -1304 -17

Stark Sh 4102 -1331 4099 -1328 4106 -1334 +6 4128 -1312 -16

LANS K 4114 -1343 4114 -1343 4122 -1352 +5 4143 -1327 -16

BKC 4150 -1379 4148 -1374 4154 -1382 +5 4179 -1363 -14

Cherokee Ls 4346 -1692 4350 -1576 4352 -1580 +4 4375 -1559 -17

Miss 4463 -1692 4458 -1684 4472 -1700 +14 na

RTD 4500 -1729 4500 -1729 4510 -1739 4460 -1646

LTD 4501 -1730 4501 -1730 4511 -1738 4462 -1646

REFERENCE WELLS A: **Suemaur Exp. & Prod., LLC** Campbell #1 Sec 3 TTS R28W 1448 FNL 546 FWL KB 2771

B: **Suemaur Exp. & Prod., LLC** Odalke #1 Sec 18 TTS R28W 692 FNL 1503 FEL KB 2811

REMARKS & RECOMMENDATIONS:

Based on sample shows, and drt results the well was P&A

*Note top, samples and log curves are on depth

LAN 792, Modified 5/05, 11/11, 4/12 Hanover, KS 66945 1inch = 25.4mm 8.5 x 97.5 216 mm x 2460 mm

LEGEND

Limestone	Limestone	Dolomite	Chert	Shale	Carbonaceous Shale	Salt	Sandstone	Anhydrite

