

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY **CHUCK SPARE OIL CO.** ELEVATIONS
 LEASE **Church of God 2-27** KG 3129'
 FIELD **Pence West** DF _____
 LOCATION **2305 FHL, 50' FEL** SEC _____
 SEC **27 T1WSP 16S R0E 34W** GL 3119'
 COUNTY **Scott** STATE **Kansas** Measurements Are All From **KB**

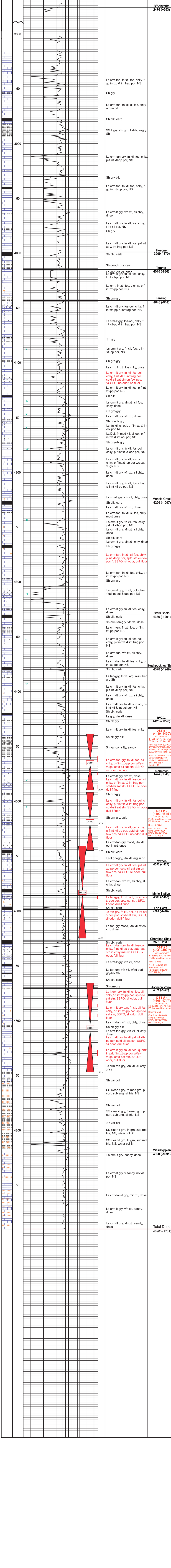
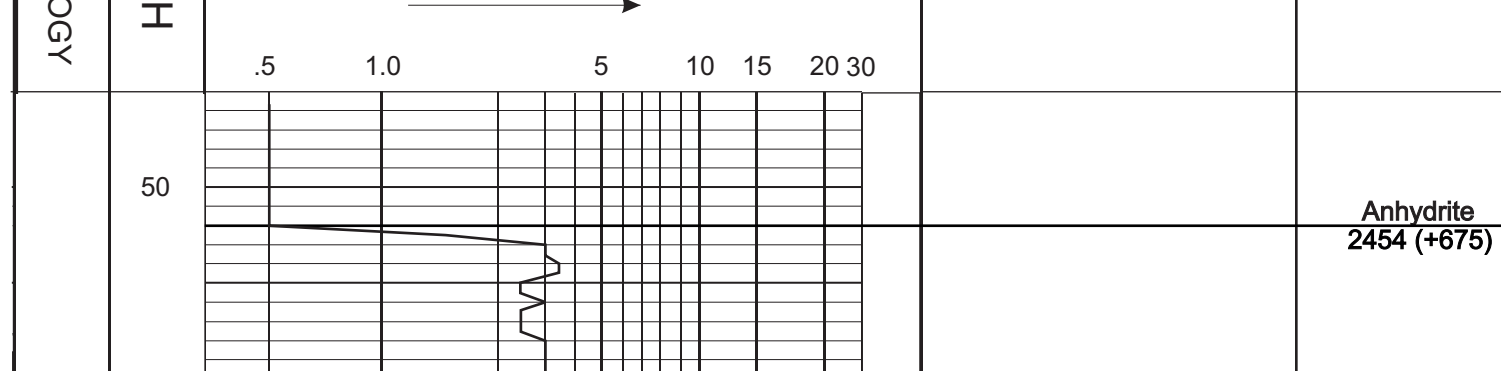
CONTRACTOR **HD Rig #2** From **KB**
 SPUD **9-8-14** COMP **9-18-14**
 RTD **4890'** LTD **4882'** CASING
 MUD UP **3600'** TYPE MUD **Chemical** CONDUCTION **N/A**
 SAMPLES SAVED FROM **3800'** to **RTD** SURFACE **8-5/8" @ 265'**
 DRILLING TIME KEPT FROM **3800'** to **RTD** PRODUCTION **5 1/2" @ 4890'**
 SAMPLES EXAMINED FROM **3800'** to **RTD** ELECTRICAL SURVEYS
 GEOLOGICAL SUPERVISION FROM **3900'** to **RTD** CND/D/SP/P.E.
 GEOLOGIST ON WELL **Tim Priest** By: **Weatherford**

FORMATION TOPS ELECTRIC LOG SAMPLE
 Anhydrite 2448 (+681) 2454 (+675)
 Heebner Shale 3991 (+823) 3999 (+870)
 Lansing 4035 (+902) 4043 (+914)
 SARC 4320 (+1191) 4330 (+1201)
 B/K.C. 4414 (+1285) 4425 (+1296)
 Fort Scott 4590 (+1461) 4599 (+1470)
 Cherokee Shale 4616 (+1487) 4627 (+1498)
 Mississippian 4812 (+1683) 4820 (+1691)

REMARKS Due to the results of DST #1, it was decided to set production casing to further test the well.

Respectfully Submitted,
 Tim Priest
 Petroleum Geologist

API #15-171-21086-00-00



DST # 1 (4439'-4490')
 30'-30'-45'-90'
 FF: Bob in 12', 1in, return
 Rec: 528 GR, 203 CO, 4307 GAO, 3076 G, 4070 G, 30%W, 188 GOM, 20%G, 20%O, 65%W, Total 533'
 Fps: 28-135#/144-21#
 S/PS: 1224#/1247#
 HSPs: 2319/1821/140#
 BHT: 118 deg F
 Gravity: 33

DST # 2 (4492'-4545')
 30'-30'-30'-90'
 FF: No blow, no return
 Rec: 10' GSM
 Fps: 18-25#/27-30#
 S/PS: 999#/1093#
 HSPs: 2250#/2184#
 BHT: 109 deg F

DST # 3 (4541'-4625')
 30'-30'-60'-90'
 FF: Built to 1 in., no return
 Rec: 70' Mud
 Fps: 18-25#/27-30#
 S/PS: 85#/120#
 HSPs: 2211#/2201#
 BHT: 111 deg F

DST # 4 (4666'-4747')
 30'-30'-60'-90'
 FF: Surface blow, no return
 Rec: 75' Mud
 Fps: 21-18#/46-68#
 S/PS: 875#/829#
 HSPs: 2273#/2277#
 BHT: 113 deg F