



GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

Geologist on Well: Beth Isern
 LEASE: Benson-Harkness #2
 FIELD: WLLDCAT
 LOCATION: 6607 FNL 1650' FWL
 SEC: 31 T1MSP 19S R0E 24W
 COUNTY: Ness STATE: Kansas
 CONTRACTOR: Duke Drilling Rig #4
 SPUD: 07/18/13 COMP: 07/27/13

ELEVATIONS
 KB 2364
 DF _____
 GL 2355

Measurements Are All From Kelly Bushing

CONDUCTOR: CASING

R/D UP: 4300 LTD: 4300

MUD UP: 3700 TYPE MUD: CHEMICAL SURFACE: 8.58" @ 222'

SAMPLES SAVED FROM: 3700 TO: RTD PRODUCTION: NONE

DRILLING TIME KEPT FROM: 3300 TO: RTD ELECTRICAL SURVEYS

SAMPLES EXAMINED FROM: 3700 TO: RTD

GEOLOGICAL SUPERVISION FROM: 3700 D.L. DUCP, MICRO

REFERENCE WELL: Benson-Harkness #1 31-19S-24W

FORMATION: Pioneer

Sample Tops E-log Tops
 Anhydrite 1638 (+726) 1638 (+726) -2
 Base Anhydrite 1678 (+686) 1678 (+686) -4
 Heebner 3798 (-1343) 3798 (-1343) -14
 Lansing 3800 (-1443) 3800 (-1443) -17
 BRC 4173 (-1809) 4173 (-1809) -17

Fort Scott 4326 (-1982) 4326 (-1982) -22
 Cherokee State 4338 (-1954) 4338 (-1954) -22

Mississippi 4424 (-2080) 4424 (-2080) -28
 ID 4500 (-2136) 4500 (-2136) -28



REMARKS: The Benson-Harkness #2 was plugged due to the low structural nature of the Mississippian formation. Although oil was present, our test indicated that the well would not be able to sustain a producible oil well

LEGEND

