



GEOLOGISTS REPORT

OPERATOR COBALT ENERGY, LLC
LEASE BOYD 'A' #1-16

LOCATION 406 FSL & 1669 FEL
SEC. 16 TWSP 11S RGE 34W

COUNTY LOGAN STATE KANSAS
FIELD WILDCAT

ALL MEASUREMENTS
FROM K.B.

KB 3200 FT.
GL 3189 FT.

ELEVATIONS

CASING RECORD

CONTRACTOR Murfin Drilling Company RIG NO. 22
COMMENCED 15 Oct 2014 COMPLETED 20 Oct 2014
MUD DISPLACED 3500 MUD TYPE Chemical
DRILLING TIME KEPT FROM 3900 TO 4815
SAMPLES SAVED FROM 3900 TO 4815

Production None

Geological Supervision from 3900 to 4815
Geologist on Well Paul Gunzelman

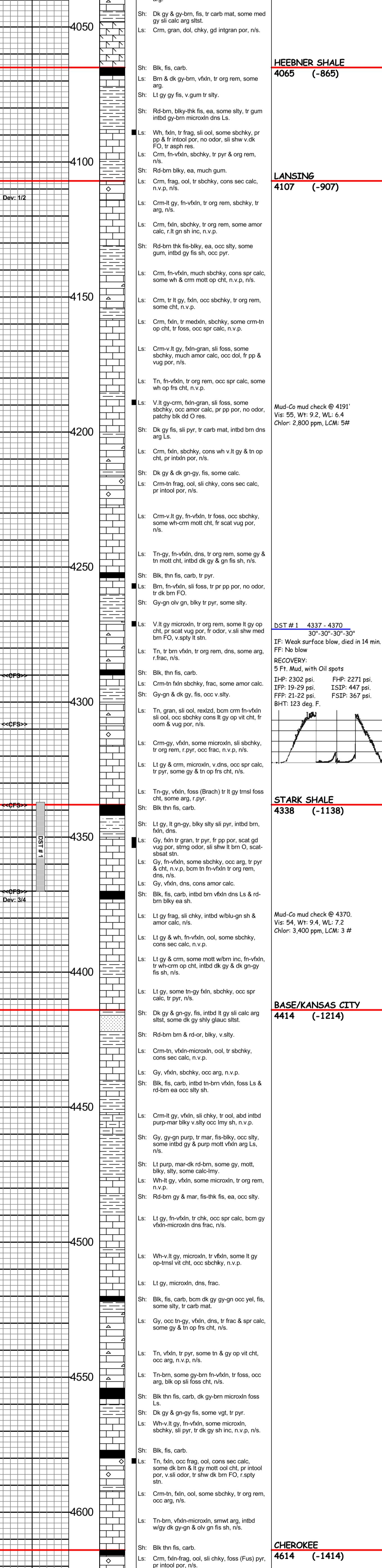
ELECTRICAL SURVEYS
Pioneer Energy Services
Dual Induction
Micro-resistivity

SAMPLES EXAMINED FROM 3900 TO 4815

Geological Supervision from 3900 to 4815
Geologist on Well Paul Gunzelman

REMARKS

API 15-109-21351-00-00
Drilling Fluids: Mud-Co/Service Mud, Inc. (Reid Atkins, engineer)
Drill Stem Testing: Trilobite Testing, Inc. (Will MacLean, tester)
Gas Trailer: No Gas Trailer
Reserve Pit Chlorides: 11,000 PPM



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County: LOGAN STATE KANSAS

Samples very shaly to 4800'

Mud-Co mud check @ 4785'
Vis: 55, Wt: 9.5, WL: 7.2
Chlor: 3,400 ppm, LCM: 3#

TOTAL DEPTH 4815 (-1615)

9:18 AM, 19 October 2014