Chesapeake Energy LLC

API # 15-165-23865-0000

GEOLOGIST'S REPORT

DRILLING TIME, SAMPLE AND CORING DATA

OPERATOR: CHESAPEAKE ENERGY LLC
LEASE: MITCHELL
WELL NO.: #10
FIELD: DUTCH
LOCATION: 660' FSL & 2310' FEL
SEC. 3 TWP. 10S RGE. 21W
COUNTY: GRAHAM STATE: KANSAS
ELEV.: GL: 2273 KB: 2282
CONTRACTOR: CHASE DRILLING RIG #14
SPUD: 10-18-2010 COMP. DATE: 10-25-2010
TOTAL DEPTH: DRILLER: 3900 LOGGER: 3898
CASING RECORD: SURFACE: 8 5/8" @ 217' W/ 150 SXS CMT
PRODUCTION: 5.5" @ 3899' W/ 175 SXS CMT
PERFORATIONS: NONE
DRILL STEM TESTS: NONE
CORES: NONE
SAMPLES SAVED: 10' FROM 1750' TO RTD
DRILLING TIME: 1' FROM 1750' TO RTD
ELECTRIC LOGS: NONE
SAMPLE QUALITY: FAIR
DRILLING TIME QUALITY: FAIR
ELECTRIC LOG QUALITY: NONE
NOTIFIED: DAVID ROSS
COMMENTS: DRILL STEM TESTS, CORES, ELECTRIC LOGS RUN AT OPERATOR'S DISCRETION.
SIGNATURE OF GEOLOGIST: Brad Rickerson
Brad Rickerson
Petroleum Geologist
Lic. #34-164

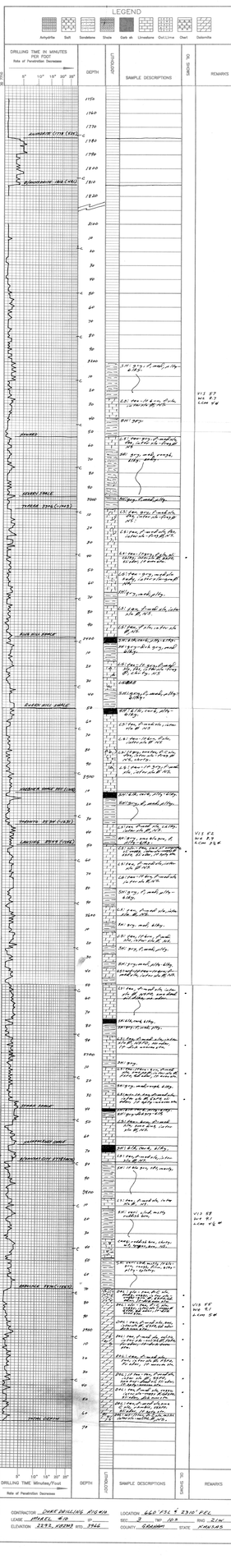
No.	Date	Depth	Recovery	Time	Blow	Initial Pressure	Final Pressure	Flow Pressure	Shut-in Pressure	Remarks

DRILL STEM TESTS

Date	Depth	Description of Core

CORE RECORD

Formation	Depth	Sample	Lag	Elev.	Corr.	Elev.
Anhydrite Top (Top)	1780	1780		1780		1780
Anhydrite Base (Base)	1810	1810		1810		1810
Topeka	3360	3360		3360		3360
Heebner Shale	3580	3580		3580		3580
Heebner Shale (Base)	3600	3600		3600		3600
Lansing	3620	3620		3620		3620
Kansas City	3860	3860		3860		3860
Base Kansas City	3900	3900		3900		3900



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