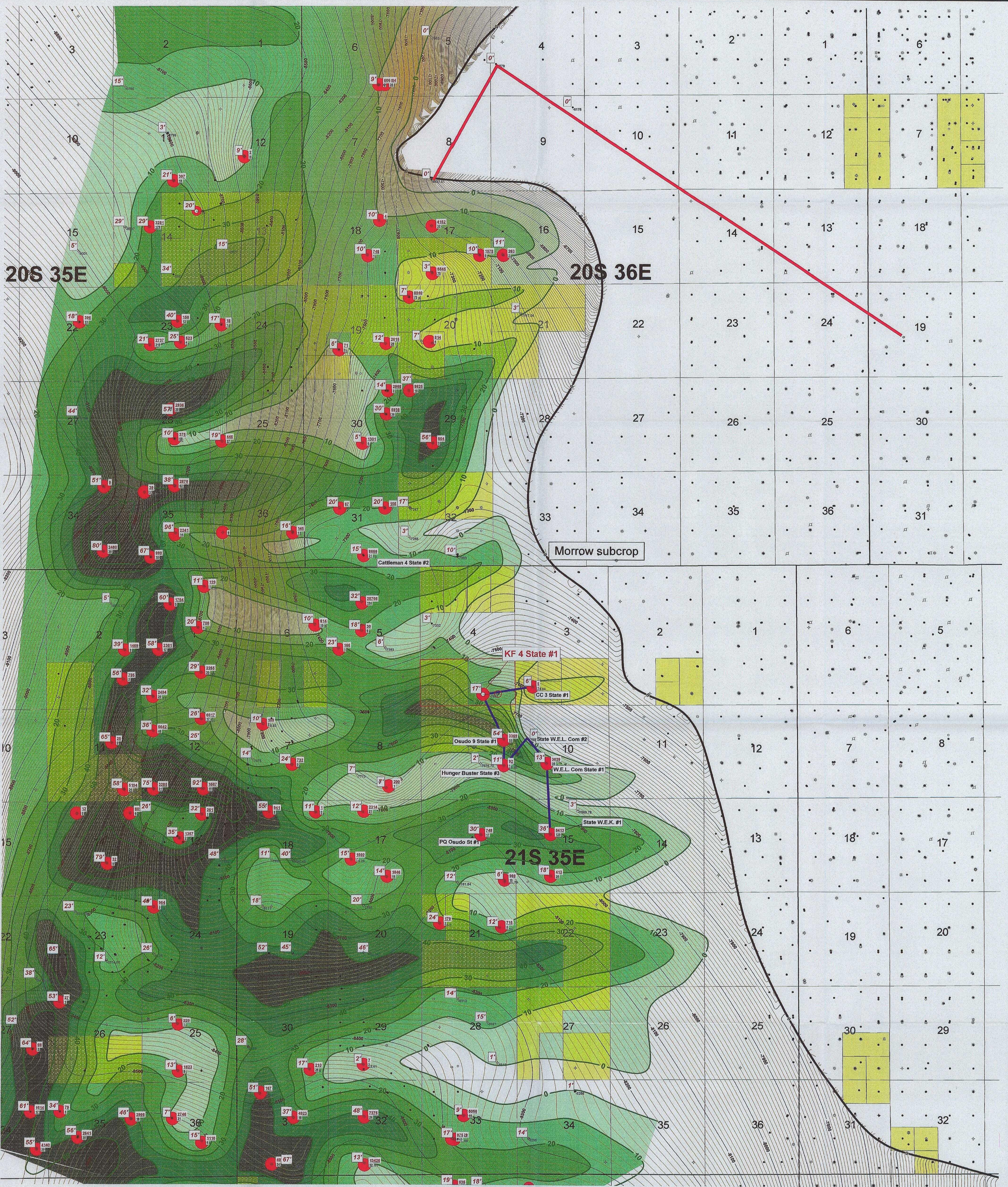
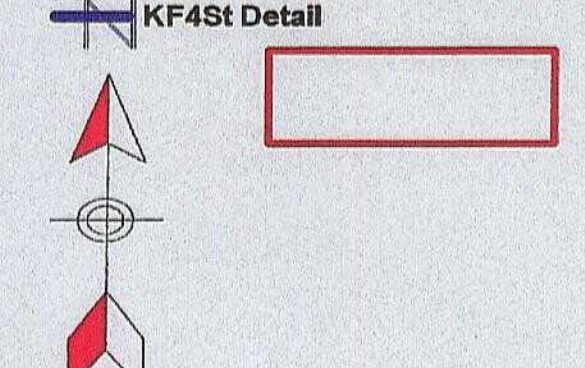




X-Section 0.5000 0 0.5000 mi



COI KF 4 State #1 320 ac. Unit

Morrow Producer
Pennsylvanian Producer

CHESAPEAKE
LEASEHOLD

PROD THRU
12/2005
cum GAS mmmcf
cum OIL mbbl

ISOPACH CI: 10'
STRUCTURE CI: 10'

**CHESAPEAKE
OPERATING, INC.**

KF 4 STATE #1
4-T21S-R35E
Lea County, NM
ISOPACH: net Middle Morrow Sand
STRUCTURE: T/Morrow
DagKF4St-1MorrowBig2.gmp
Date: 18 August, 2005 Geologist: DAG

GEO4