17
17'
Mzgr + gn
Tju
Tjf
Tjf
Tjm
Tjm
Tsess
Tse
Tsess
Te
Tpss
Qoa + Qa
Tc
Tvd
Ttss
Ttss
Qoa + Qa
Ttss
Tml
Tt
Qls
Ttss
Tt
Tml
Qls
QTt
Qoa + Qa
Tsj
QTt
Qa
QTt
Qa
QTt
Qa
NORTH
N 11°E
N 20°E
N 14°E
N 11°E
N 3°E
N 32°E
San Emigdio Mountains
Cuddy Valley 7.5' Quad
Pleito Hills 7.5' Quad
Pleito Hills 7.5' Quad
Coal Oil Canyon 7.5' Quad
Wheeler Ridge Oil Field
Coal Oil Canyon 7.5' Quad
Mettler 7.5'Quad
Mettler 7.5' Quad
Weed Patch 7.5' Quad
Pleito Hills Syncline
8, 10N-20W STANDARD KCL RICHARDS #1 TD=12,929'; DF=3365'
5, 10N-20W TEXACO TECUYA CREEK #1 TD=9104'; KB=2373'
4, 10N-20W INTEX OIL CO. SIGNAL-INTEX KCL #1 TD=5527'; KB=1689'
28, 11N-20W RICHFIELD OIL CORP. WHEELER RIDGE KCL #2 TD=11,681'; DF=1919'
28, 11N-20W ARCO WRU #356-28 TD=11,304'; DF=1926'
28, 11N-20W RICHFIELD OIL CORP. WHEELER RIDGE KCL #1 TD=11,168'; KB=2014'
28, 11N-20W ARCO ROC-KCL "G" #63-28 TD=11,280'; KB=1823'
28, 11N-20W ARCO ROC-KCL "G" #72-28 TD=11,095'; KB=1617'
28, 11N-20W ARCO WRU #61-28 TD=10,625'; KB=1551'
21, 11N-20W RICHFIELD OIL CORP. ROC-KCL "G" #58-21 TD=11,136'; KB=1478'
21, 11N-20W ARCO KCL "P" #54-21 TD=9016'; KB=765'
15, 11N-20W SUN EXPLORATION & PROD. CO. KCL #1 TD=7126'; KB=610'
15, 11N-20W ARCO KCL "K" #22-15 TD=16,421'; KB=535'
32, 32S-28E PANCANADIAN PET. McOR-CERRINA #1-32 TD=17,234'; KB=406'
33, 32S-28E McCULLOCH OIL CO. McCULLOCH-BRAVO #1-33 TD=17,209'; KB=406'
29, 31S-28E VALWOOD OIL CO. KARPE #1 TD=7100'; KB=319'
20, 31S-28E TEXAS CRUDE EXPLOR. COSTERISAN #1 TD=16,025'; KB=338'
9, 31S-28E TEXACO SPL #1-9 TD=12,704'; KB=347'
5,000'
1 km
Sea Level
1 km
-5,000'
-10,000'
-15,000'
5 km
-20,000'
-25,000'
-30,000'
10 km
-35,000'
San Andreas Fault
Mzgr + gn
Mzgr + gn
Mzgr + gn
Mzgr + gn
Tjm
Tjl
Tju
Tpss
Tsess
Tse
Tsess
Tc
Tvd
Ttss
Tvb
Harris Ranch Thrust
Salt Creek Thrust
Pleito Thrust
Wheeler Ridge Thrust
Tejon Thrust
White Wolf Fault
Pleito Thrust System
Tt
Tp
Tse
Tj
Jop
Tml
Tmul
Tmuu
Tsm
Te
Tsj
QTt
Qls
Qoa + Qa
Qa
Tch
Trr
Tmss
Tmuu + Tmss
Tmul + Tmss
Tm
Tlss
KJo
0
5
10 km
46.0km

Qa: Alluvium
Qls: Landslide debris

Unconformity

Qoa: Older alluvium

Unconformity

QTt: Tulare Formation

Tsj: San Joaquin Formation

Te: Etchegoin Formation

Unconformity

Tch: Chanac Formation
Tsm: Santa Margarita Sandstone
Trr: Reef Ridge Shale

Unconformity

Tm: Monterey Formation
- Tmu: Upper portion of Monterey Formation (upper Miocene, Mohnian)
- Tmuu: Upper part of upper Monterey Formation (upper Mohnian)
- Tmul: Lower part of upper Monterey Formation (lower Mohnian)
- Tml: Lower portion of Monterey Formation (middle Miocene, Luisian and Relizian)
- Tmss: Sandstone dominated facies

Tt: Temblor Formation
- Ttss: Sandstone dominated facies
- Ttsh: Shale and/or siltstone dominated facies

Unconformity in western part of range

Tc: Tecuya Formation
Tvb: Basalt
Tvd: Dacite
Tp: Pleito Formation
- Tpsh: Shale and/or siltstone dominated facies
- Tpss: Sandstone dominated facies

Tse: San Emigdio Formation
- Tsesh: Shale and/or siltstone dominated facies
- Tsess: Sandstone dominated facies

Tj: Tejon Formation
- Tjr: Reed Canyon Siltstone
- Tjl: Liveoak Shale Member
- Tjm: Metrella Sandstone Member
- Tju: Uvas Conglomerate

Mzgr + gn: Granitic and dioritic rocks and gneiss

Jop: Coast Range Ophiolite

KJo: Oceanic basement rocks - undifferentiated Coast Range Ophiolite and Franciscan Assemblage

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Southern California Cross Section Study
Cross-Section 17-17'

1:24,000 scale (1"=2000')

Date: Oct., 1998

Geology: T. Davis

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