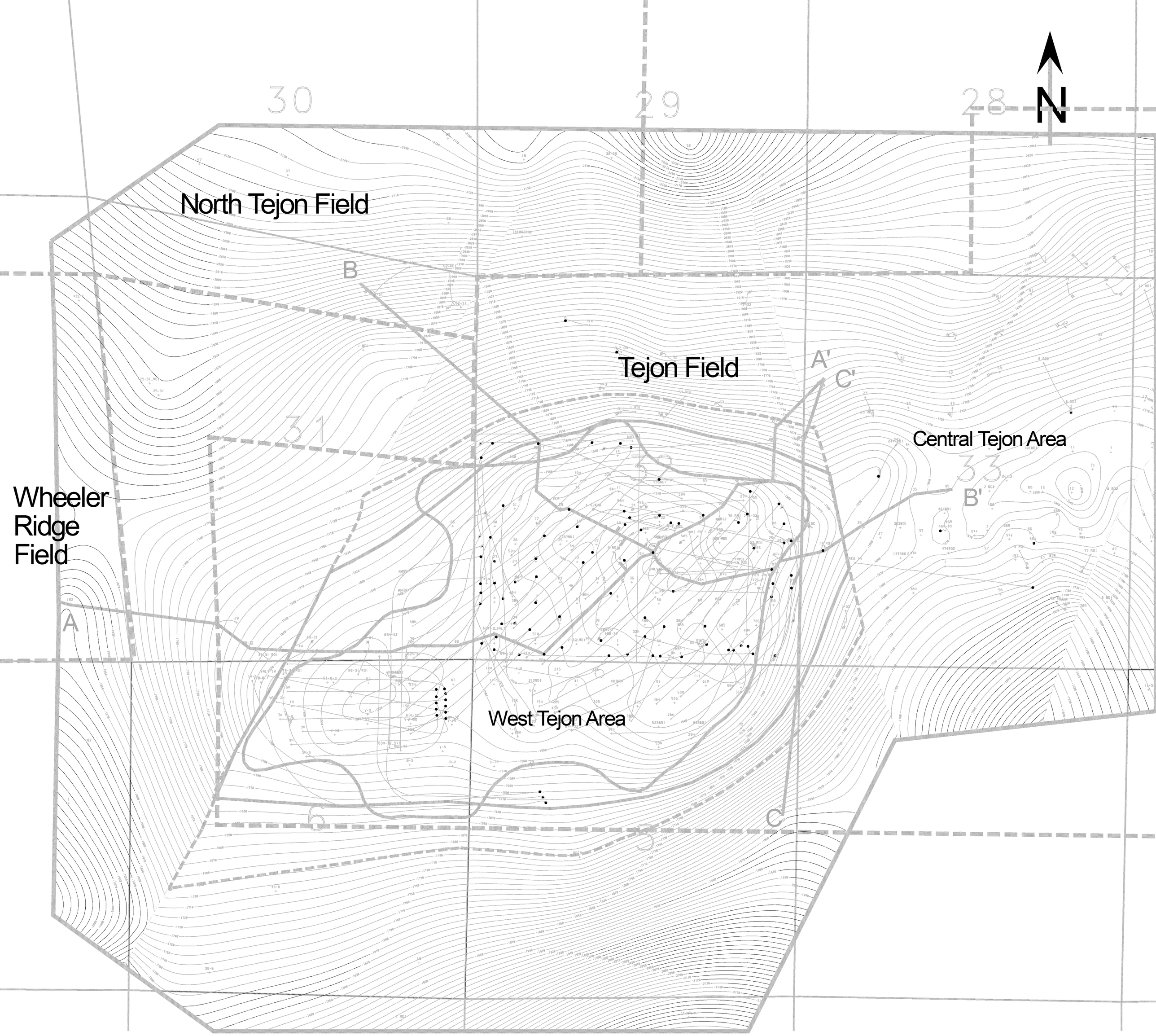


Study Area

DOGGR 1973 Productive Limit - West Tejon Field

DOGGR Field Administrative Boundaries

Normal Faults

Transition Sand productive area (to original oil-water contact). Oil bands east and west of bounding faults not shown

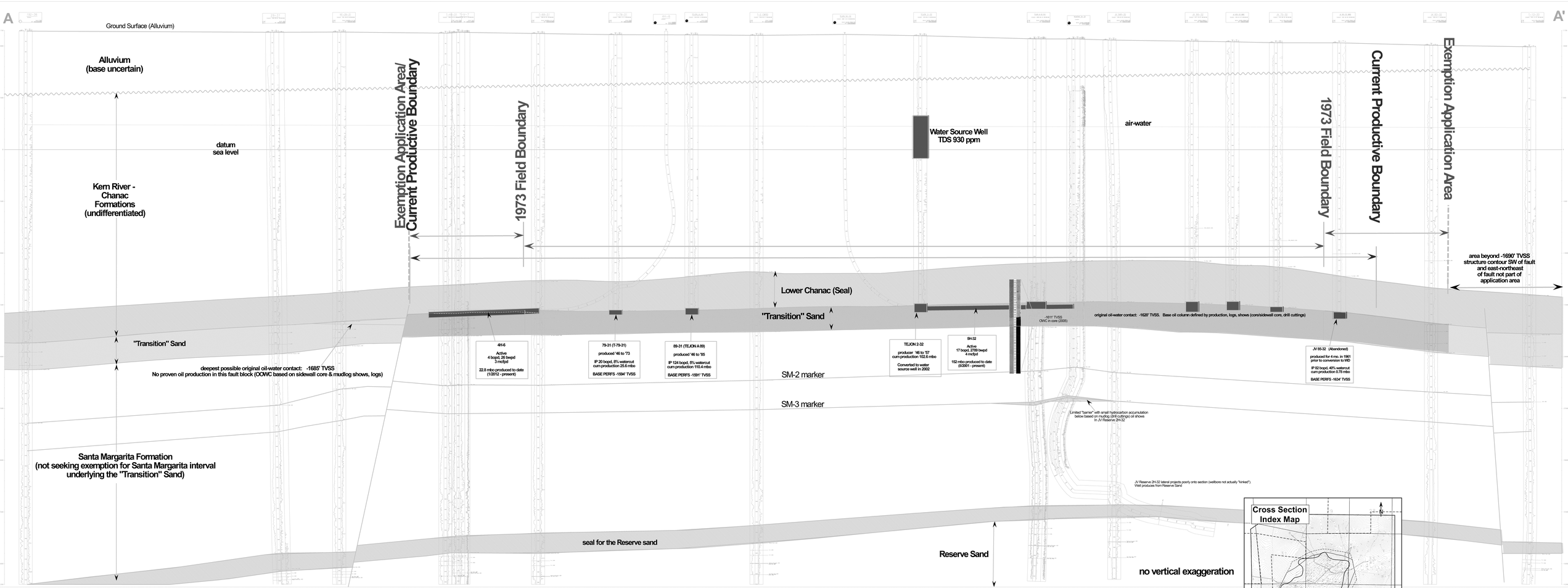
Transition Sand Exemption Application Area (to -1690' TVSS contour)

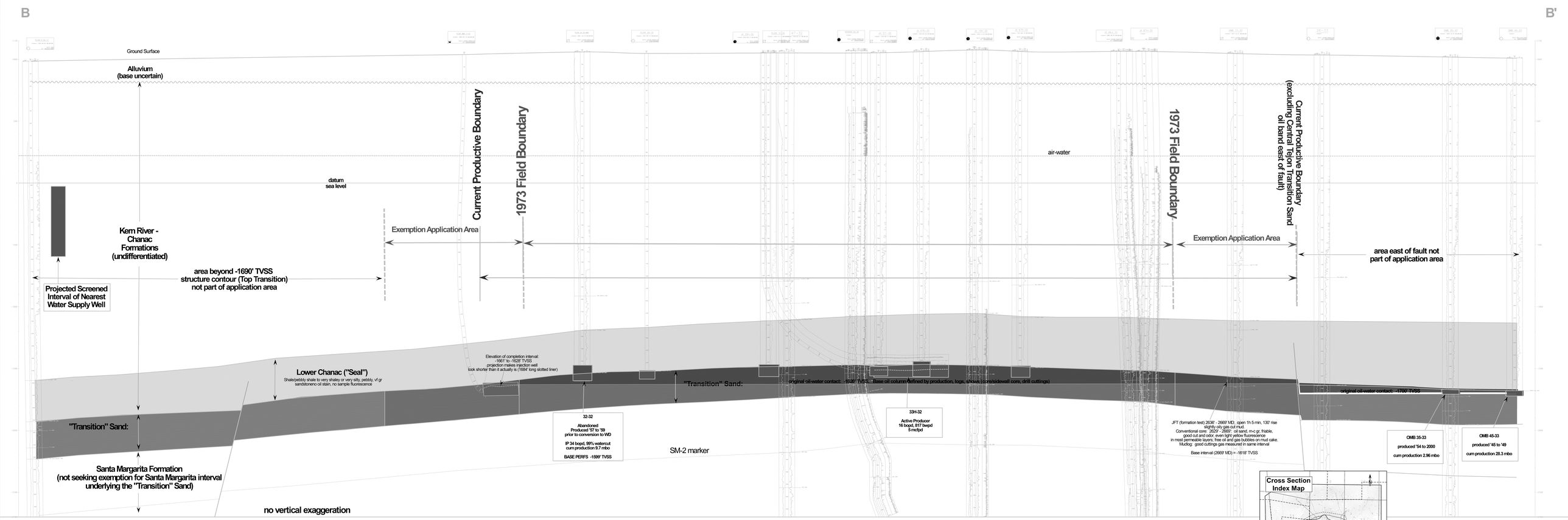
TEJON FIELD

Figure 2
West Tejon Oil Field Existing and Proposed Aquifer Exemption Boundaries

SCALE	DRAWN J. MCINTYRE	DATE 13-MAY-2015
DRAWING		

1:12000
FEET 0 1000 2000 FEET
TE MILES 0 .1 .2 .3 .4 .5 STATUTE MILES


A
A'
Ground Surface (Alluvium)
Alluvium
(base uncertain)
datum
sea level
Kern River -
Chanac
Formations
(undifferentiated)
Exemption Application Area/
Current Productive Boundary
1973 Field Boundary
Water Source Well
TDS 930 ppm
air-water
1973 Field Boundary
Current Productive Boundary
Exemption Application Area
area beyond -1699' TVSS
structure contour SW of fault
and east-northeast
of fault not part of
application area
Lower Chanac (Seal)
"Transition" Sand
"Transition" Sand
-1611' TVSS
OWC in core (2005)
original oil-water contact: -1620' TVSS. Base oil column defined by production, logs, shows (core/sidewall core, drill cuttings)
4H-6
Active
4 bopd, 26 bwpd
3 mcfpd
22.8 mbo produced to date
(1/2012 - present)
79-31 (T-79-31)
produced '46 to '73
IP 20 bopd, 8% watercut
cum production 25.6 mbo
BASE PERFS -1594' TVSS
89-31 (TEJON A 89)
produced '46 to '85
IP 124 bopd, 5% watercut
cum production 110.4 mbo
BASE PERFS -1591' TVSS
TEJON 2-32
producer '46 to '57
cum production 102.6 mbo
Converted to water
source well in 2002
SH-32
Active
17 bopd, 2789 bwpd
4 mcfpd
152 mbo produced to date
(6/2001 - present)
JV 85-32 (Abandoned)
produced for 4 mo. in 1961
prior to conversion to WD
IP 82 bopd, 40% watercut
cum production 0.78 mbo
BASE PERFS -1634' TVSS
deepest possible original oil-water contact: -1685' TVSS
No proven oil production in this fault block (OOWC based on sidewall core & mudlog shows, logs)
SM-2 marker
SM-3 marker
Limited "barrier" with small hydrocarbon accumulation
below based on mudlog (drill cuttings) oil shows
in JV Reserve 2H-32
JV Reserve 2H-32 lateral projects poorly onto section (wellbore not actually "linked").
Well produces from Reserve Sand
Santa Margarita Formation
(not seeking exemption for Santa Margarita interval
underlying the "Transition" Sand)
seal for the Reserve sand
Reserve Sand
no vertical exaggeration
Cross Section
Index Map
N
Transition Sand member oil band
(Mapped top of main sand shown.
Stringers of oil-bearing sand sometimes
present up to 50-75' above mapped top)
water leg of Transition Sand
(below original oil water contact
and above top Santa Margarita pick
completion interval
(proven oil production)
completion interval (selectively perforated)
for water source well (low volume)
new area and interval
requested in
exemption application
area within 1973 boundary
(exemption in place)
Core photo image from 9-32 RD:
plain light on left and fluorescent light on right.
Yellow fluorescence is an oil indicator.
FEET 0 250 500 FEET
TEJON FIELD
Figure 4
Southwest-northeast cross-section
across the West Tejon field
A-A'



Transition Sand member oil band (Mapped top of main sand shown. Stringers of oil-bearing sand sometimes present up to 50-75' above mapped top)

water leg of Transition Sand (below original oil water contact and above top middle Santa Margarita pick)

completion interval (proven oil production)

completion interval for active water flood well

new area and interval requested in exemption application

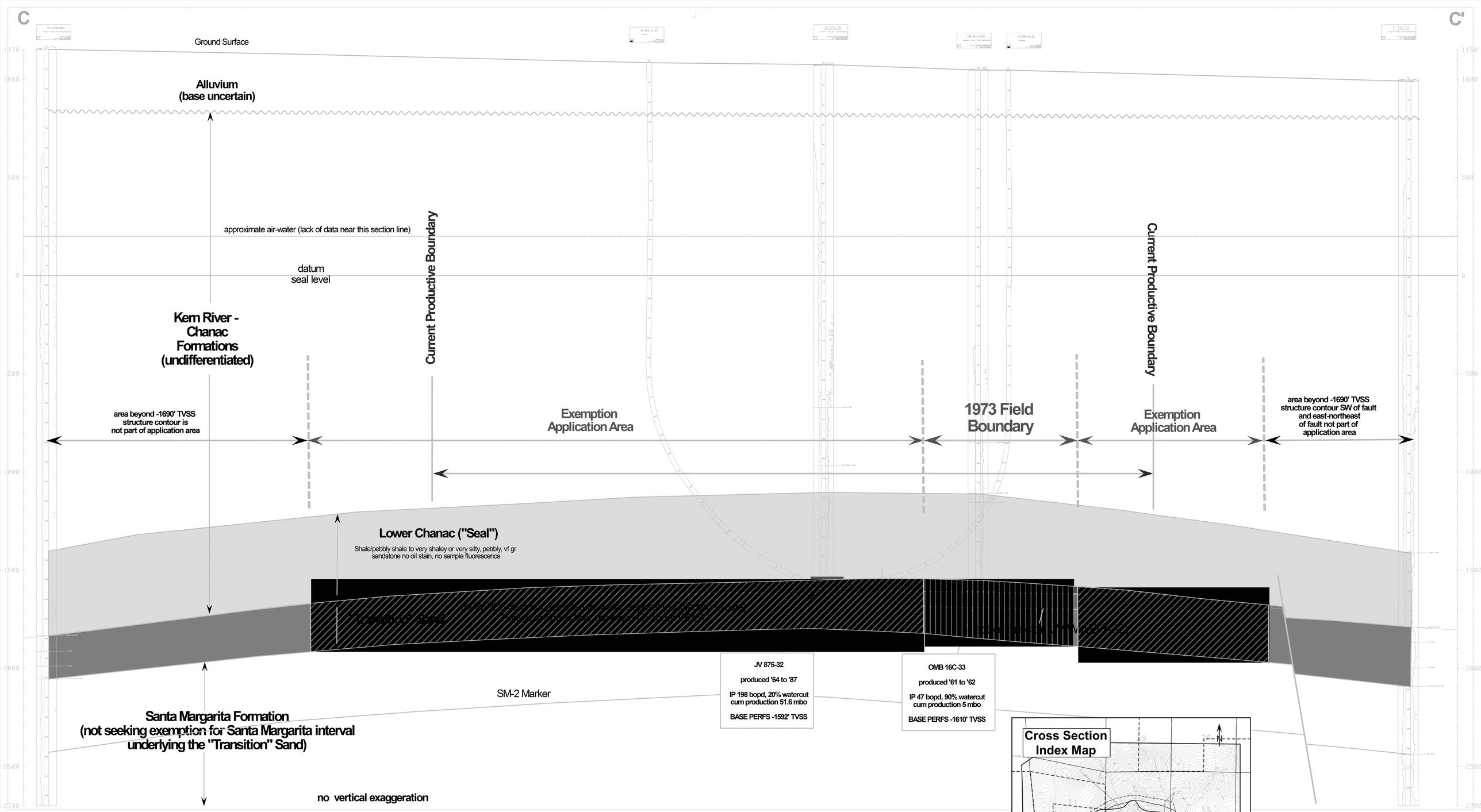
area within 1973 boundary (exemption in place)

FEET 0 250 500 FEET

Slotted liner completion of water flood well

TEJON FIELD

Figure 5
Northwest to east -section
across the West Tejon field
B-B'



Transition Sand member oil band (Mapped top of main sand shown. Stringers of oil-bearing sand sometimes present up to 50-75' above mapped top)

water leg of Transition Sand (below original oil water contact and above top Santa Margarita pick)

completion interval (proven oil production)

completion interval for active water flood well

new area and interval requested in exemption application

area within 1 973 boundary (exemption in place)

FEET 0 250 500 FEET

Slotted liner completion of water flood well

TEJON FIELD

Figure 6
North - South cross-section
across the West Tejon field
C-C'

SCALE | DRAWN J. MCINTIRE | DATE 13-MAY-2015

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