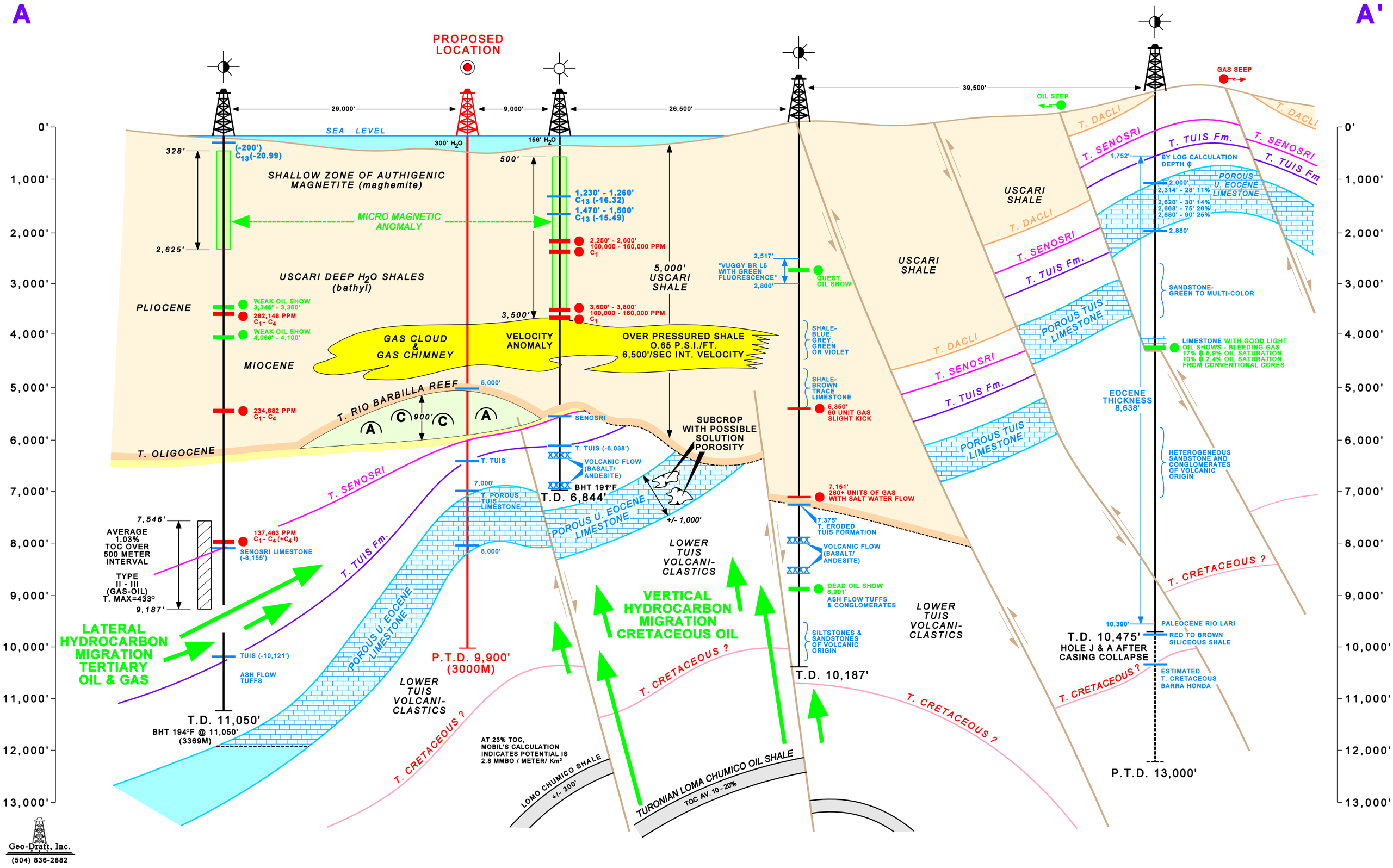
A
A'
PROPOSED LOCATION
29,000'
9,000'
26,500'
39,500'
SEA LEVEL
300' H2O
156' H2O
OIL SEEP
GAS SEEP
0'
1,000'
2,000'
3,000'
4,000'
5,000'
6,000'
7,000'
8,000'
9,000'
10,000'
11,000'
12,000'
13,000'
328'
(-200')
C13(-20.99)
SHALLOW ZONE OF AUTHIGENIC MAGNETITE (maghemite)
MICRO MAGNETIC ANOMALY
2,625'
USCARI DEEP H2O SHALES (bathyl)
PLIOCENE
WEAK OIL SHOW 3,346' - 3,360'
282,148 PPM C1 - C4
WEAK OIL SHOW 4,086' - 4,100'
MIOCENE
GAS CLOUD & GAS CHIMNEY
500'
1,230' - 1,260' C13 (-16.32)
1,470' - 1,500' C13 (-15.49)
2,250' - 2,600' 100,000 - 160,000 PPM C1
3,500'
3,600' - 3,800' 100,000 - 160,000 PPM C1
VELOCITY ANOMALY
OVER PRESSURED SHALE 0.65 P.S.I./FT. 6,500'/SEC INT. VELOCITY
5,000' USCARI SHALE
2,517'
"VUGGY BR L5 WITH GREEN FLUORESCENCE"
2,800'
QUEST. OIL SHOW
SHALE- BLUE, GREY, GREEN OR VIOLET
SHALE- BROWN TRACE LIMESTONE
5,350' 60 UNIT GAS SLIGHT KICK
7,151' 280+ UNITS OF GAS WITH SALT WATER FLOW
7,375' T. ERODED TUIS FORMATION
VOLCANIC FLOW (BASALT/ ANDESITE)
DEAD OIL SHOW 8,901'
ASH FLOW TUFFS & CONGLOMERATES
SILTSTONES & SANDSTONES OF VOLCANIC ORIGIN
T. RIO BARBILLA REEF
5,000'
900'
A
C
T. OLIGOCENE
SENOSRI
T. TUIS (-6,038')
VOLCANIC FLOW (BASALT/ ANDESITE)
BHT 191°F
T.D. 6,844'
T. TUIS
7,000'
T. POROUS TUIS LIMESTONE
POROUS U. EOCENE LIMESTONE
+/- 1,000'
SUBCROP WITH POSSIBLE SOLUTION POROSITY
8,000'
T. SENOSRI
T. TUIS Fm.
7,546'
AVERAGE 1.03% TOC OVER 500 METER INTERVAL
TYPE II - III (GAS-OIL) T. MAX=433°
9,187'
137,463 PPM C1 - C4 (+C4 I)
SENOSRI LIMESTONE (-8,155')
LATERAL HYDROCARBON MIGRATION TERTIARY OIL & GAS
TUIS (-10,121')
ASH FLOW TUFFS
T.D. 11,050'
BHT 194°F @ 11,050' (3369M)
POROUS U. EOCENE LIMESTONE
P.T.D. 9,900' (3000M)
LOWER TUIS VOLCANI-CLASTICS
T. CRETACEOUS ?
LOWER TUIS VOLCANI-CLASTICS
VERTICAL HYDROCARBON MIGRATION CRETACEOUS OIL
T. CRETACEOUS ?
AT 23% TOC, MOBIL'S CALCULATION INDICATES POTENTIAL IS 2.8 MMBO / METER/ Km²
LOMO CHUMICO SHALE +/- 300'
TURONIAN LOMA CHUMICO OIL SHALE TOC AV. 10 - 20%
T.D. 10,187'
T. CRETACEOUS ?
USCARI SHALE
USCARI SHALE
T. DACLI
T. SENOSRI
T. TUIS Fm.
POROUS TUIS LIMESTONE
LOWER TUIS VOLCANI-CLASTICS
T. DACLI
T. SENOSRI
T. TUIS Fm.
1,752'
BY LOG CALCULATION DEPTH Φ
2,000'
2,314' - 28' 11%
2,620' - 30' 14%
2,688' - 75' 28%
2,680' - 90' 25%
2,880'
POROUS U. EOCENE LIMESTONE
SANDSTONE- GREEN TO MULTI-COLOR
LIMESTONE WITH GOOD LIGHT OIL SHOWS - BLEEDING GAS 17% Φ 5.9% OIL SATURATION 10% Φ 2.4% OIL SATURATION FROM CONVENTIONAL CORES
EOCENE THICKNESS 8,638'
HETEROGENEOUS SANDSTONE AND CONGLOMERATES OF VOLCANIC ORIGIN
T. CRETACEOUS ?
10,390'
PALEOCENE RIO LARI
RED TO BROWN SILICEOUS SHALE
T.D. 10,475'
HOLE J & A AFTER CASING COLLAPSE
ESTIMATED T. CRETACEOUS BARRA HONDA
T. CRETACEOUS ?
P.T.D. 13,000'
Geo-Draft, Inc.
(504) 836-2882