

GEOMARK RESEARCH, INC.

Oil Information Library System

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www.RFDbase.com

28-Jan-13

Sample ID: AS0361

LAT: LONG:

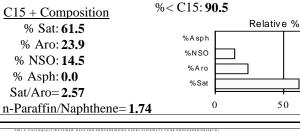
GEOCHEMICAL SUMMARY SHEET

Country: USA Depth (ft): Basin: Age: Field: Formation:

API Gravity: 39.9

BULK PROPERTIES C15 + Composition % Sat: 61.5 % Aro: 23.9 % NSO: 14.5 % Asph: **0.0**

Well: Alcor 1



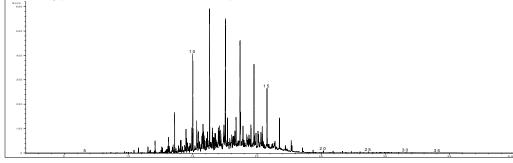
Stable Carbon Isotope Composition

 δ per mil PDB

C15+ Saturate: -29.22 C15+ Aromatic: -28.36 Canonical Variable: -0.68

Miscellaneous:

mostly diesel OBM



% S: 0.11

ppm V:0

100

ppm Ni: <15

WHOLE CRUDE GAS CHROMATOGRAPHY

Pr/Ph = 5.20

Pr/n-C17=0.52

Ph/n-C18=0.25

n-C27/n-C17=0.03

CPI = 1.039

OilMod Ratios ppm C30 Hopane: 33 **BIOMARKERS** C19/C23=0.18 Abundance C22/C21 = 0.55C24/C23 = 0.58C26/C25 = 0.85Tet/C23 = 0.65C27T/C27 = 0.06C28/H = 0.05Terpanes 700 C29/H = 0.81C30X/H = 0.10OL/H = 0.03C31R/H = 0.24GA/C31R = 0.33C35S/C34S = 0.75Ster/Terp=0.46Rearr/Reg=1.92 %C27 = 32.7%C28 = 29.2%C29=38.1Steranes C29 20S/R = 0.77C27 Ts/Tm=1.11 C29 Ts/Tm= **0.29** DM/H = 0.07TAS3(CR)=0.34

Projected Source Rock Type: Marine Marl Thermal Maturity Level: moderate maturity

Age: Triassic Degree of Biodegradation: