

MAR 02 1990
OIL CON. DIV.
DIST. 3
HYDROCARBON
WELL LOG

WELL LOCATION

NEBU 445
NEBU 50

TOTAL GAS	T
METHANE	1
ETHANE	2
PROPANE	3
ISO & N-BUTANE	4
OIL	
INDICATOR	$\frac{C_3 + C_4}{C_1}$ 0

TOTAL GAS			Reported in Units	
10	100	1000	10	100
GAS CHROMATOGRAPHY			Reported in PPM	
100	1000	10000	100	1000
OIL INDICATOR			Dimension Less	
0.01	0.1	1.0	0.01	0.1

Depth of Coal Intervals
(# of canistered samples)

Units	Total Gas	% methane
10	100	1000 units
100	1000	10,000 ppm

heavies	100	1000 ppm
CO ₂	1000	10,000 ppm

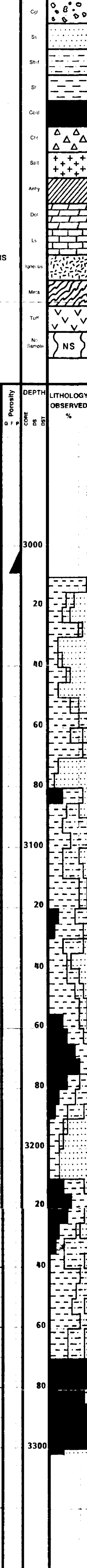


Figure 1 is a vertical profile of a sediment core. The left side shows depth in meters from 0 to 10. The right side shows various parameters: C₁ (ppm), C₂ (ppm), CG (g/g), and total (ppm). The profile shows a 'blooie line plugged' at approximately 8.5 meters depth. The total concentration is 5625 units, C₁ is 225,190 ppm, and C₂ is 1,315 ppm.

Figure 1 is a vertical cross-section diagram of a geological well. The diagram shows a vertical axis with a grid. A solid line represents the wellbore, and a dashed line represents the casing. The wellbore is labeled "carbon dioxide" at the top. The casing is labeled "C₂" at two points. The bottom of the well is labeled "CG".

Ss med gy, some cream, gen vf gr, sub ang-sub rd, fair srt, smpl disagg, v calc cement w/ some wh clyst, NS

Ss lt gy wh, vf to f gr, sub ang, mod well srt, smpl disagg, v calc cement, NS

Sh v dk brn-blk, sub platy-occ sub blocky, soft, resinous luster, v carb w/ black vit coaly lenses & laminae

Ss crn, f-occ m gr, mod well srt, smpl disagg, v calc cement, occ coaly grs, NS

Slstst med dk brn, some gy brn, sub blocky-sub platy, firm, earthy-resinous luster, mod sandy in part

Sh v dk brn, sub platy mod sft, resinous-silky luster, v carb w/ coaly laminae

Coal gen blk, sub platy-sub blocky, pred vitreous luster, carb & interlam w/ v carb Sh

Ss med brn, pred vf gr, sub ang, poor srt, less calc than above, gen mod silty, NS

Coal blk & brn blk, upper part sub platy-becoming blocky w/ conch frac to base, 10-20% vit at top-50% vit luster to base, v carb at top becoming better coal at base, mod abun. resin at base, overall fair quality coal

Ss med brn gy, vf gr, gen p srt, sub ang, smpl disagg, occ coaly grs, mod calc, NS

Coal blk & brn blk, sub blocky-sub platy, 25-30% vit luster w/ some finely microlam, some carb material, scattered f gr resin, overall fair coal

Ss med-dk gy, lt brn, pred vf gr, sub ang, poor srt, gen sli calc, v argill-silty, NS

Sh v dk brn, some brn blk, gen sub platy, firm, resinous-occ sub vit luster, mod carb w/ coaly laminae, mod silty in part

Coal blk, v good blkly texture w/ conch frac, 75-90% vitreous luster massive w/ some finely microlam sub vit, very little carb material, good cleat development scattered f gr resin at base, gen uniform coal throughout seam-overall excellent coal

T/ Main P.C. 3301'

TD sample- Ss m gy, lt gy brn S&P, f gr, sub ang, mod fri, sli calc, glauc & carb grs, no intgran residue, NF, NC