DownHole SAT(tm)

FORMATION WATER CHEMISTRY INPUT

Stracham
Helfrich #4
Wellhead

Pro-Stim Chemicals
Ryan Uhland & Paul Dwyer

Report Date:	12-28-2018	Sampled:	12-12-2018 at 0823
Sample #:	5146	Sample ID:	KKHamburg

CATIONS		ANIONS	
Calcium (as Ca)	1040	Chloride (as Cl)	14000
Magnesium (as Mg)	680.00	Sulfate (as SO_4)	1800
Barium (as Ba)	0.00	Bromine (as Br)	0.00
Strontium (as Sr)	0.00	Dissolved CO_2 (as CO_2)	75.00
Sodium (as Na)	7425	Bicarbonate (as HCO_3)	220.00
Potassium (as K)	0.00	Carbonate (as CO_3)	0.00
Lithium (as Li)	0.00	Oxalic acid (as C_2O_4)	0.00
Ammonia (as NH_3)	0.00	Silica (as SiO_2)	0.00
Aluminum (as Al)	0.00	Phosphate(as PO_4)	0.00
Iron (as Fe)	57.20	H_2S (as H_2S)	0.00
Manganese (as Mn)	0.387	Fluoride (as F)	0.00
Zinc (as Zn)	0.00	Nitrate (as NO_3)	0.00
Lead (as Pb)	0.00	Boron (as B)	0.00

PARAMETERS

Calculated T.D.S.	25137
Molar Conductivity	33222
Resistivity	30.10
Sp.Gr.(g/mL)	1.01
Pressure(psia)	14.70
pCO_2(psia)	0.00639
pH_2S(atm)	0.00
Temperature (^0F)	68.00
pH	7.42

CORROSION RATE PREDICTION

CO_2 - H_2S Rate(mpy)	0.0264

COMMENTS All anions & cations are in mg/l

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