GEOLOGICAL WELL LOG

HEGNA KERNS & TRAUT - GEOLOGISTS

GEOLOGICAL WELL LOG

OPERATOR USGS - WRD ELEV. KB 2809
WELL MADISON NO. 2 ELEV GR. 2793
LOCATION SE SE SEC. 18 TWP 1N RGE 54E
COUNTY CUSTER STATE MONTANA
CONTRACTOR JRKOIL-ANDERSON RIG NO. 8
SPUD NOV 17-1976 COMPLETED Ø MAR 22, 77 STATUS WTR TESTING
LOG T.D. 9396 DRILLER T.D. 9394

CASING 30" at 54' gr
20" at 406' gr
13 3/8" at 4661 gr
9 5/8 at 4535-6487 gr

ELECTRICAL SURVEYS ES, DIL, BHC-AMP, VAR DEN, DLL, FIL, CNL-FDC-GR, TEMP, CAL

GEOLOGISTS: J. R. KERNS - E.T. HEGNA
BOX 613
CASPER, WYO.

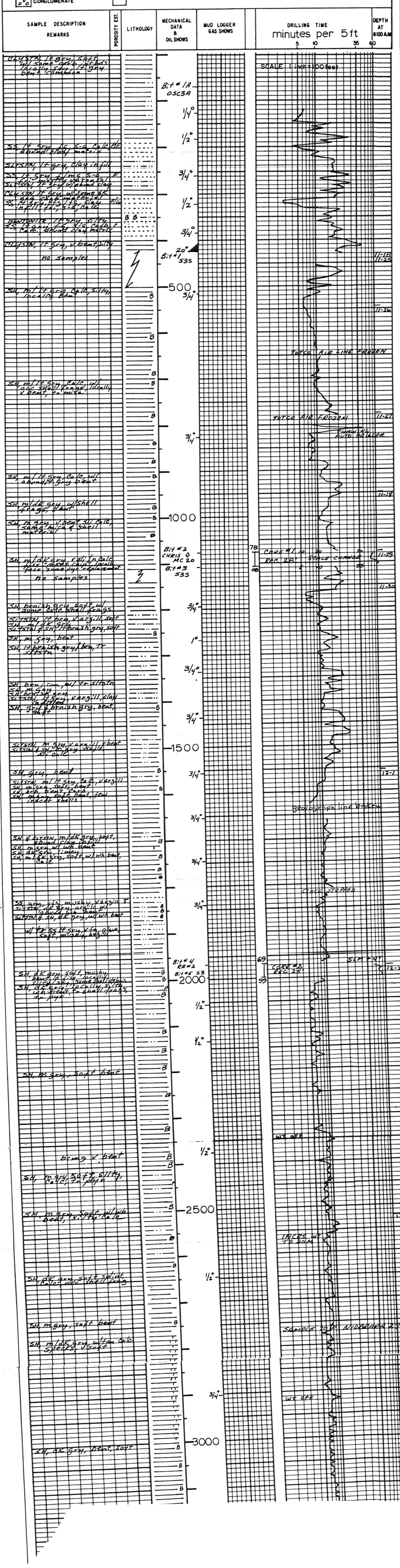
EXPLANATION

ROCK TYPES: SANDSTONE, SILTSTONE, SHALE, LIMESTONE, DOLOMITE, ANHYDRITE, SALT, COAL, CONGLOMERATE

ACCESSORIES: CALCAREOUS, BENTONITE, BASEMENT, ALGAL, PYRITE, CHERT

POROSITY ESTIMATION

	SANDSTONE	CARBONATE
T - TRACE	0-5%	0-3%
P - POOR	5-10%	3-6%
F - FAIR	10-15%	6-10%
G - GOOD	> 15%	> 10%

OIL SHOWS: O - TRACE; ◐ - FAIR; ● - GOOD EVEN STAIN; D - DEAD OIL

Z - DST INTERVAL; I - CORED INTERVAL; ◢ CSG SHOE