



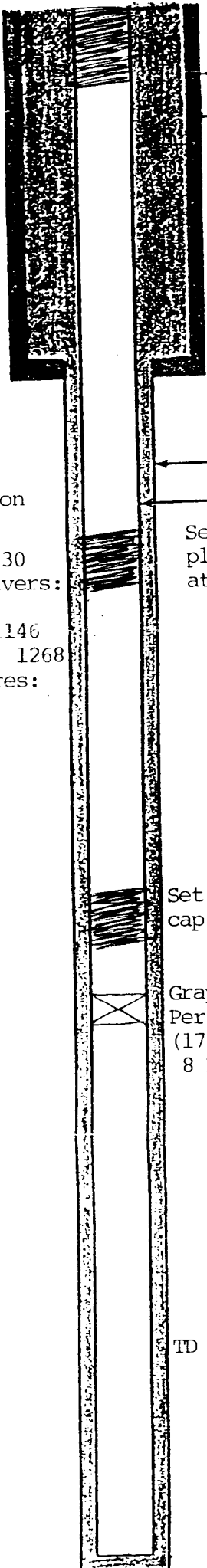
HANSON OPERATING COMPANY, INC.

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WELL BORE SKETCH

OPERATOR/LEASE/WELL Hanson Operating Company, Inc., Honolulu Federal #1
Location Unit C NE 1/4 NW 1/4 660' FNL & 1980 FWL Sec. 15, T14S, R 28E
FIELD/POOL Sams Ranch / Grayburg San Andres
PLUG BACK DEPTH 1891 KB 3571 GR ELEVATION _____



Set a 50' cement plug at surface
Hole Size _____

SURFACE CASING:

Size _____ Weight _____ Grade _____
Set at _____ with _____ Sacks Cement
Circulate _____ Sacks to Surface
Remarks: _____

Hole Size 12 1/4

PRODUCTION CASING:

Size 9 5/8 Weight _____ Grade _____
Set at 1900 with 850 Sacks Cement
Cement Top: Calculated _____ Temperature Survey _____
Remarks: Circulated to surface

Set a 100' cement
plug at top of Yates
at 430'

Set a CIBP at 1680'
cap w/ 35' of cement

Grayburg
Perforations:
(1720-1754)
8 Holes

TUBING:

Size _____ Weight _____ Grade _____
Number of Joints _____ Set at _____
Packer Set at _____
Bottom Arrangement: _____

RODS:

Size _____ Number _____
Gas Anchor Set at _____
Pump Set at _____
Arrangement: _____

TD 1900'

All Plugs will be Class C Cement placed w/ 9.5# Mud ladden fluid

Formation
Tops
Yates: 430
even rivers:
75
Queen: 1146
Cenrose: 1268
San Andres:
760