



COMPANY Ormat
WELL ORMAT Wister 85-20
FIELD Brawley
COUNTY/STATE Imperial, California
WELL HEAD COORDINATES 2200' N & 400' W of SE corner of Sec20, T10S, R14E
ELEVATION -200' MSL
SPUD DATE 7/02/2011
TO DATE 7/29/2011
TOTAL DEPTH 4994'
TRUE VERTICAL DEPTH n/a
TO LOCATION n/a
CONTRACTOR/RIG Geodrill Rig #1
COMPANY REPRESENTATIVE B. Mueller, R. Leon

LOG INTERVAL
DATE LOGGED 7/02/2011 TO 7/31/2011
DEPTH LOGGED 107' TO 4994'
MUD DRILLING 107' TO 4994'
AIR DRILLING n/a TO n/a
LOG SCALE 1:600 UNIT No. C22

LOGGING GEOLOGISTS
J. Everts, K. Richardson, E. ter Weele
M. McLaughlin, S. Sauvageau

HOLE TO 26' TO 517'
17.5' TO 3505'
12.25' TO 4994'
TO TO TO

ABBREVIATIONS
NB New Bit
RB Re-run Bit
CB Core Bit
WB Weight on Bit
SPM Strikes per Minute
PP Pump Pressure
RPM Revolutions per Min
BMT Bottom Hole Temp
C Carbide Test
NR No Returns
LAT Logged After Trip
CFM Cubic Feet per Min
BUT Bottoms Up Temp

LITHOLOGY
Clay
Claystone
Siltstone
Sand
Sandstone
Gravel/Conglomerate
Granodiorite/Diorite
Quartz

CASING FROM 0' TO 514'
FROM 514' TO 3425'
FROM 3425' TO 18' to 48'
FROM 18' TO 48'
FROM 48' TO 7X to 10X
FROM 7X TO 10X

SYMBOLS
Wireline Log
Stein/Mater Entry
Flow Test
Dered Interval
No Recovery

REMARKS
All depths from 27' Kelly Bushing
Survey temperatures from WMT
je = Justin Everts
kl = Kelly Richardson
et = Eric ter Weele
ma = Mike McLaughlin
ss = Sarah Sauvageau
Injection Test: abba/sin at 360psi

SECONDARY MINERALS
Rare << 1%
Quartz < 1%
Calcite < 1%
Pyrite < 1%
Epidote < 1%
Chlorite < 1%
Hematite < 1%
Anhydrite < 1%
Abundant > 10%
> 10%
> 10%
> 10%
> 10%

