

BLANCO

Geological Services LLC

Scale 1:240 (5"=100') Imperial

Well Name: Goat Herder 11-15
Location: NW/NW Sec 15 T32S R65W
Licence Number: 05-071-09191-00
Spud Date: 6/16/2007
Surface Coordinates: 178' FNL & 786' FWL

Las Animas County
Region: Purgatoire River
Drilling Completed: 6/17/2007

Bottom Hole Coordinates:

Ground Elevation (ft): 7254' K.B. Elevation (ft): 7258'
Logged Interval (ft): 380' To: 1461' Total Depth (ft): 1461'
Formation: Raton / Vermejo / Trinidad
Type of Drilling Fluid: Air/Mist

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Pioneer Natural Resources USA Inc
Address: 1401 17th Street, Suite 1200
Denver, CO 80202

GEOLOGIST

Name: Mehdi Paknahad
Company: Blanco Geological Services LLC
Address: 806 Robinson Ave
Trinidad, CO 81082
(719) 846-3364

Rig


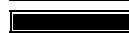


PNR #3





Comments

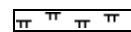

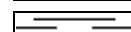
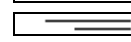
8 5/8" #24 Surface Casing set to 380.30 ft




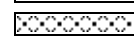
ROCK TYPES

 Anhy
 Bent
 Brec
 Cht

 Clyst
 Coal
 Congl
 Dol

 Gyp
 Igne
 Lmst
 Meta

 Mrlst
 Salt
 Shale
 Shcol

 Shgy
 Sltst
 Ss
 Till

ACCESSORIES

MINERAL

Anhy
 Arggrn
 Arg
 Bent
 Bit
 Breclrag
 Calc
 Carb
 Chtdk
 Chtlt
 Dol
 Feldspar
 Ferrpel
 Ferr
 Glau

Gyp
 Hvymin
 Kaol
 Marl
 Minxl
 Nodule
 Phos
 Pyr
 Salt
 Sandy
 Silt
 Sil
 Sulphur
 Tuff

FOSSIL

Algae
 Amph
 Belm
 Bioclst
 Brach
 Bryozoa
 Cephal
 Coral
 Crin
 Echin
 Fish
 Foram
 Fossil
 Gastro
 Oolite

Ostra
 Pelec
 Pellet
 Pisolite
 Plant
 Strom

STRINGER

Anhy
 Arg
 Bent
 Coal
 Dol
 Gyp
 Ls
 Mrst

Sltstrg
 Ssstrg

TEXTURE

Boundst
 Chalky
 Cryxln
 Earthy
 Finexln
 Grainst
 Lithogr
 Microxln
 Mudst
 Packst
 Wackest

OTHER SYMBOLS

POROSITY TYPE

Earthy
 Fenest
 Fracture
 Inter
 Moldic
 Organic
 Pinpoint

Vuggy

SORTING

Well
 Moderate
 Poor

ROUNDING

Rounded
 Subrnd
 Subang
 Angular

OIL SHOWS

Even

Spotted
 Ques
 Dead

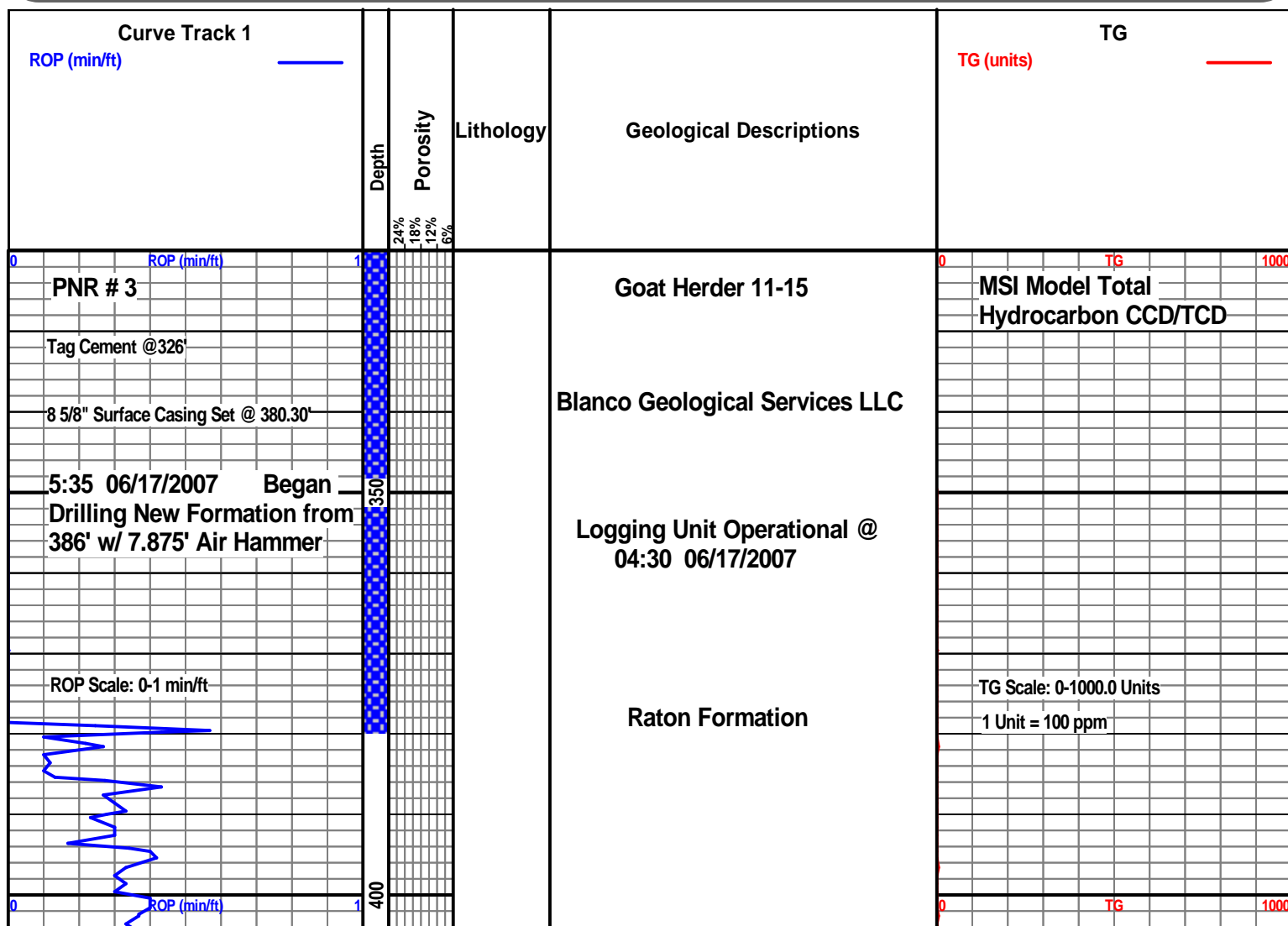
INTERVALS

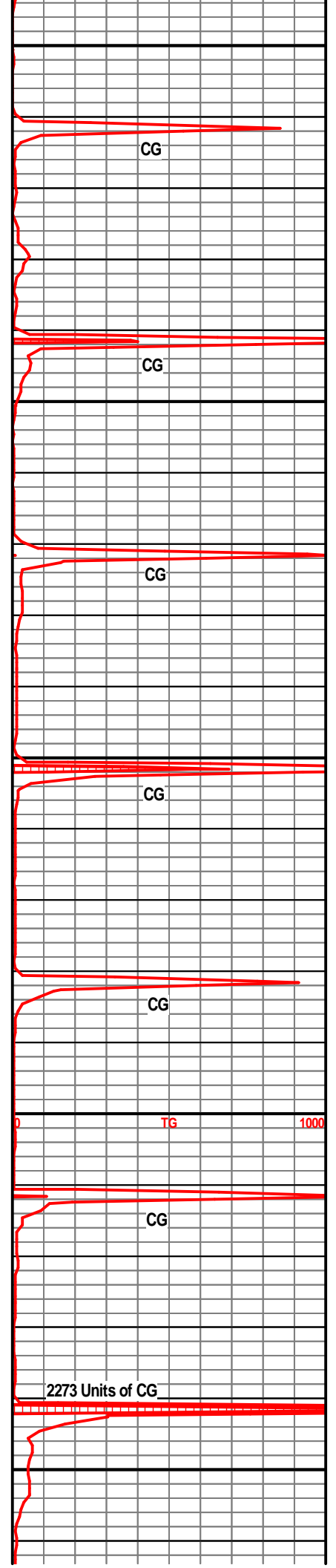
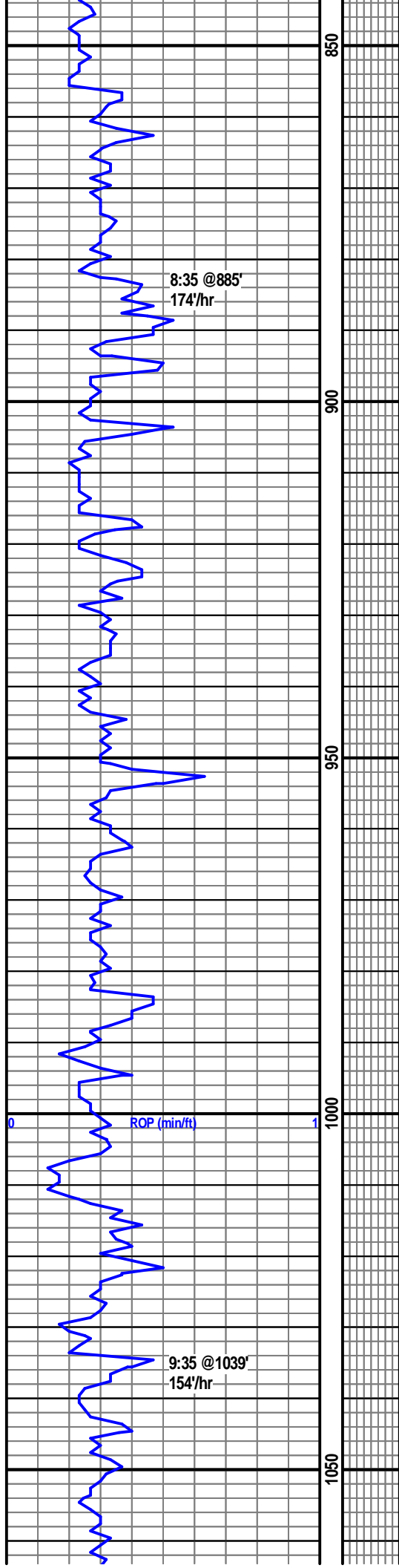
Core
 Dst
 Srfcsg

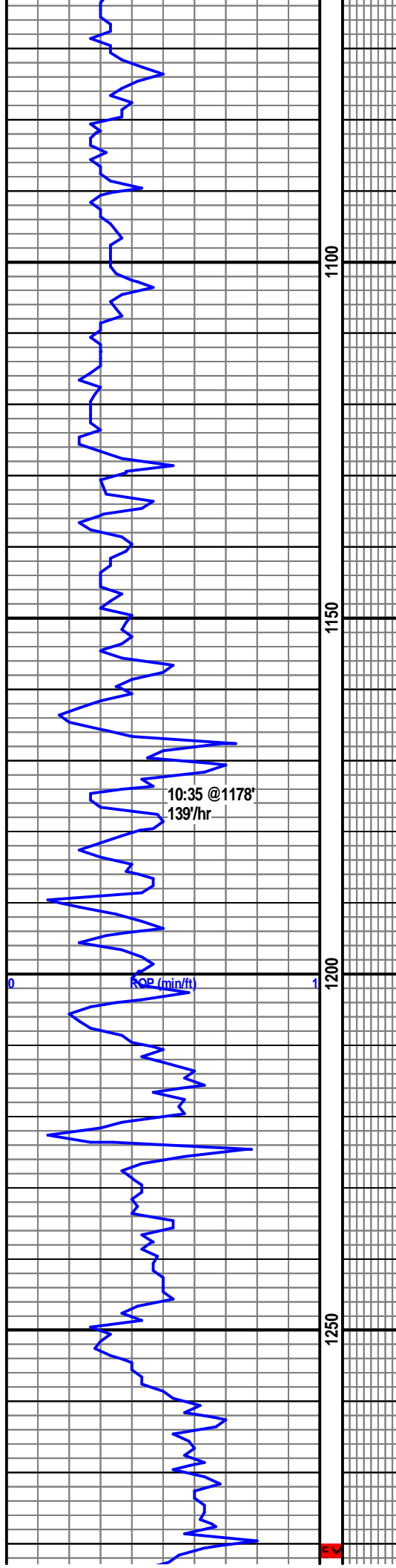
Cv-v
 Cv-c

EVENTS

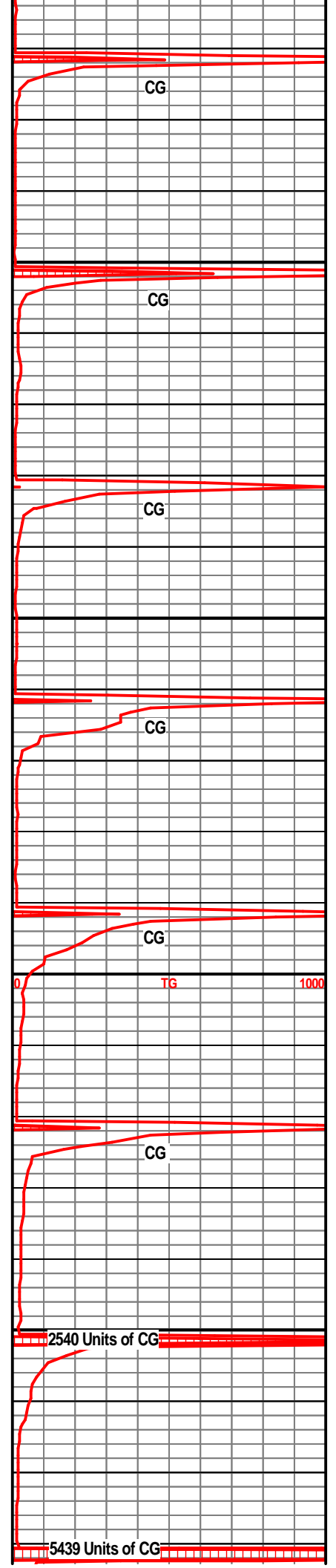
Rft
 Sidewall
 Srfcsg

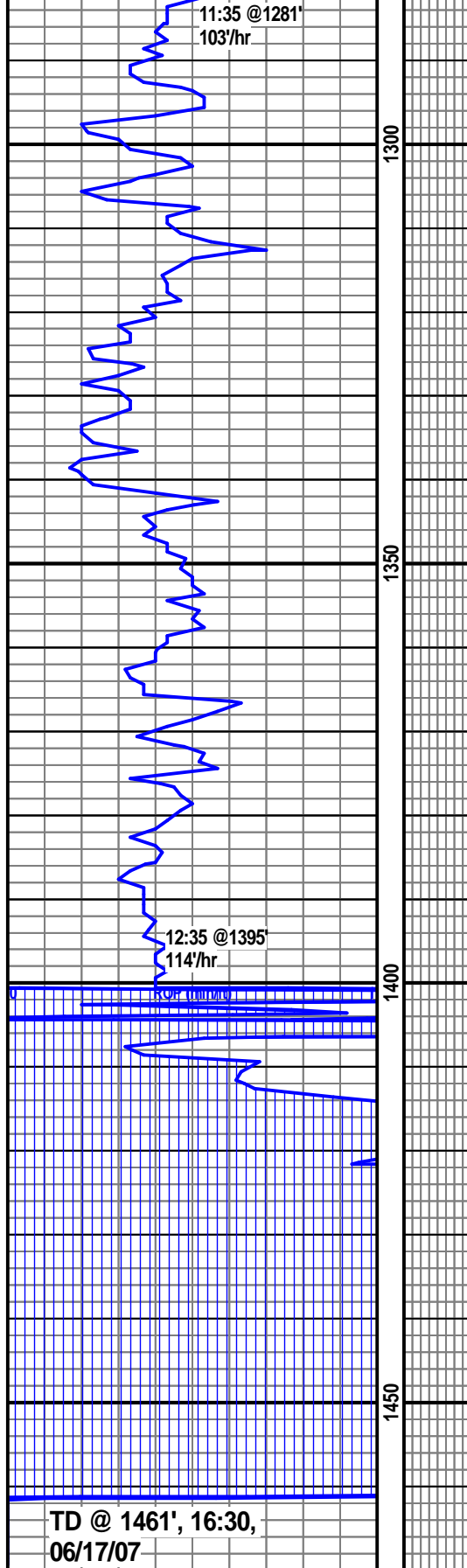






CV (Check Valve) @ 1281'





Probably Top of Trinidad
Formation@1375'

Cause of Slower ROP Is High
Water Volume Breakout !

DRLG Stopped @ 1461'

Goat Herder 11-15

