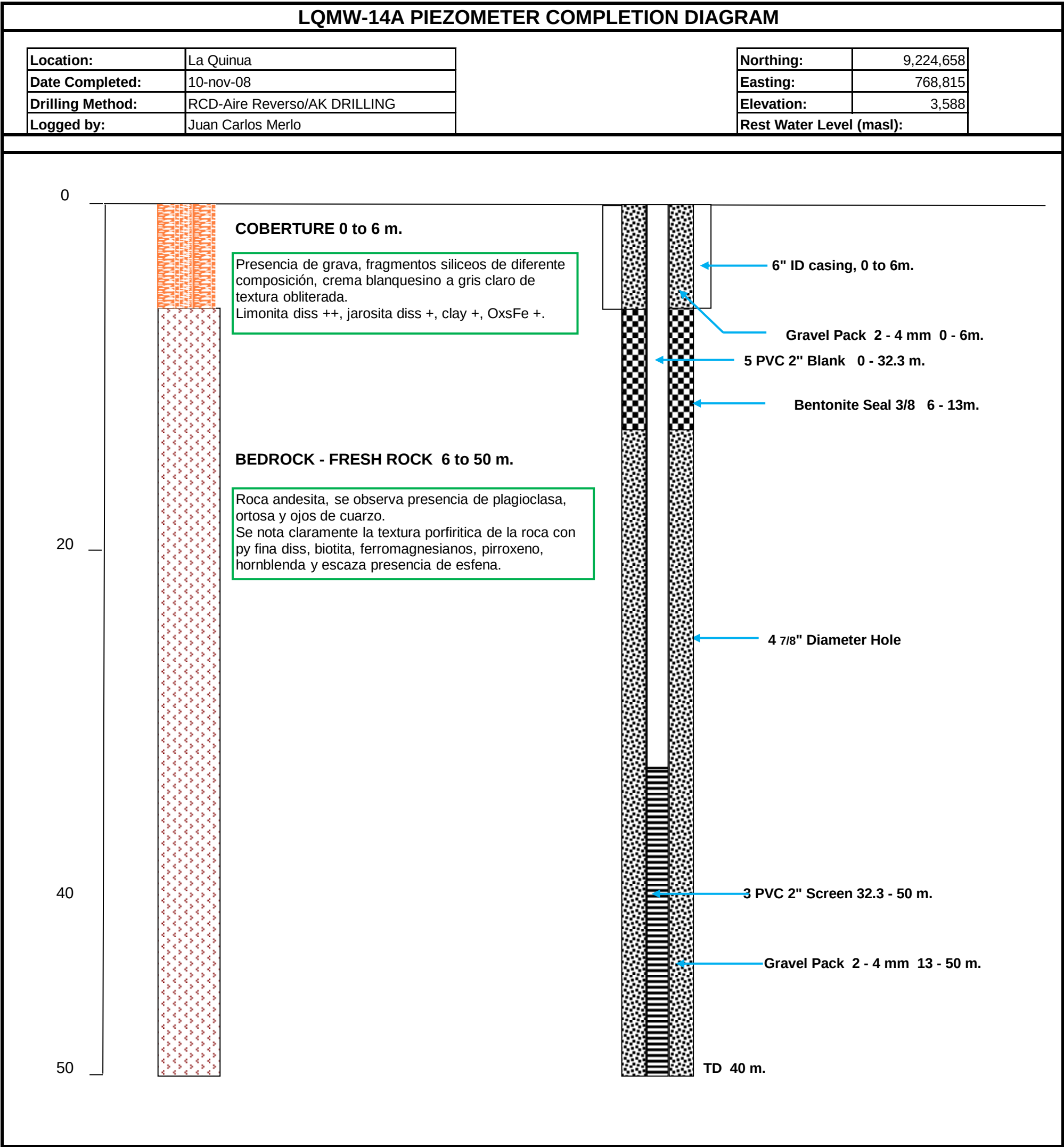


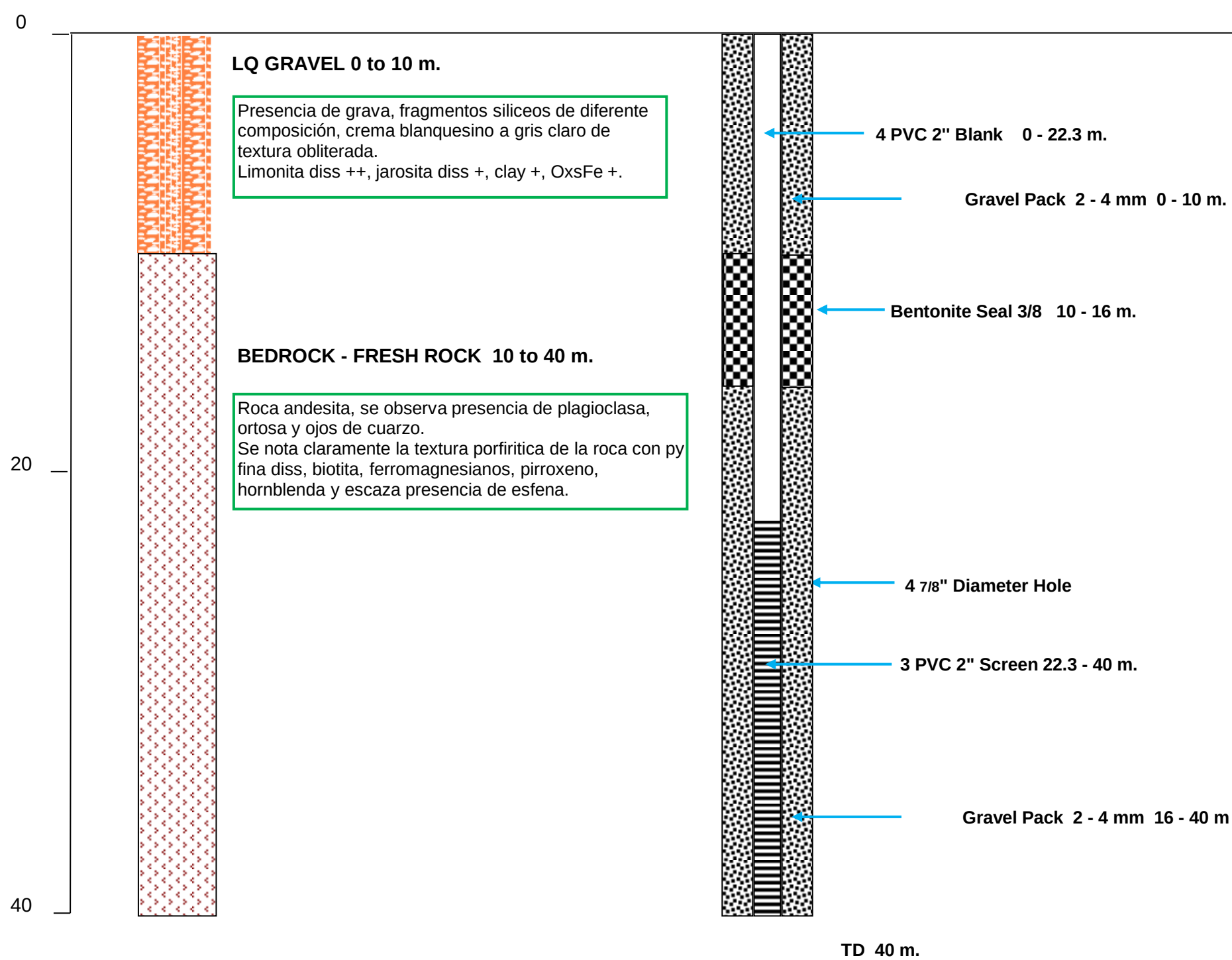
H.4 PERFILES ESTRATIGRÁFICO

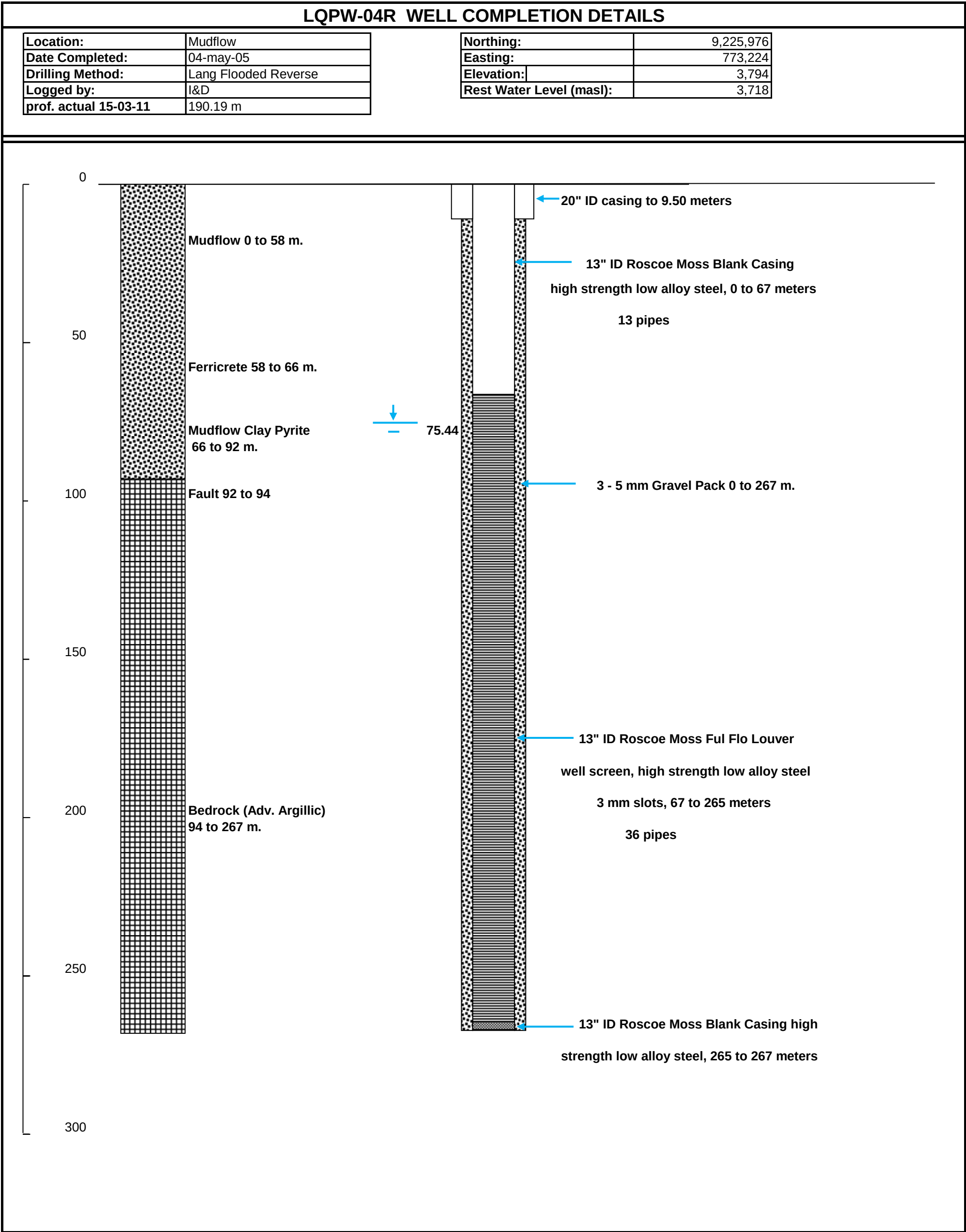


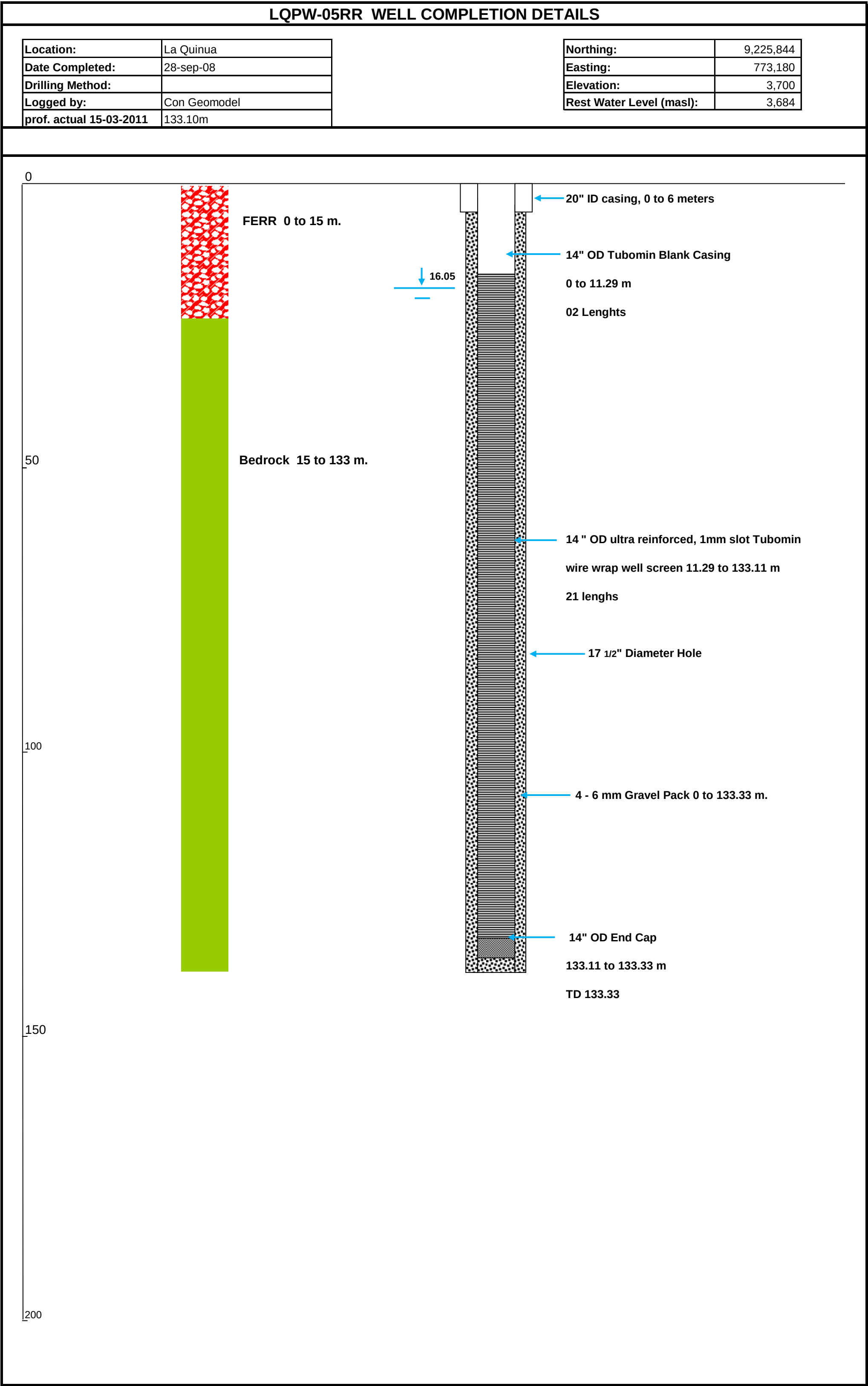
LQMW-16 PIEZOMETER COMPLETION DIAGRAM

Location:	La Quinua
Date Completed:	09-nov-08
Drilling Method:	RCD-Aire Reverso/AK DRILLING
Logged by:	Juan Carlos Merlo

Northing:	9,225,526
Easting:	770,650
Elevation:	3,545
Rest Water Level (masl):	



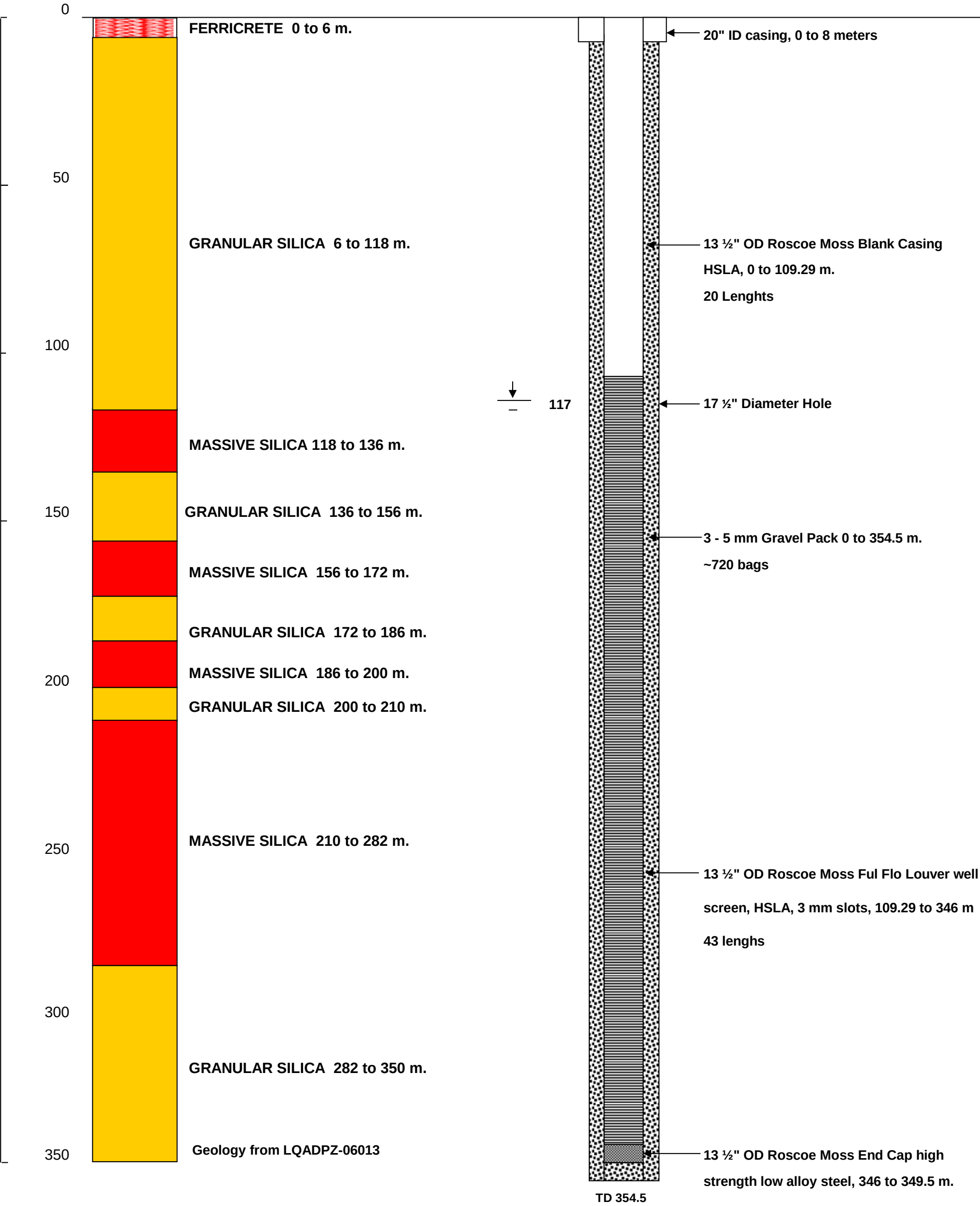




LQPW-15R WELL COMPLETION DETAILS

Location:	La Quinua
Date Completed:	12-ene-07
Drilling Method:	Sistema Convencional - Sistemas de Agua
Logged by:	I&D
prof. actual 15-03-2011	271.53m

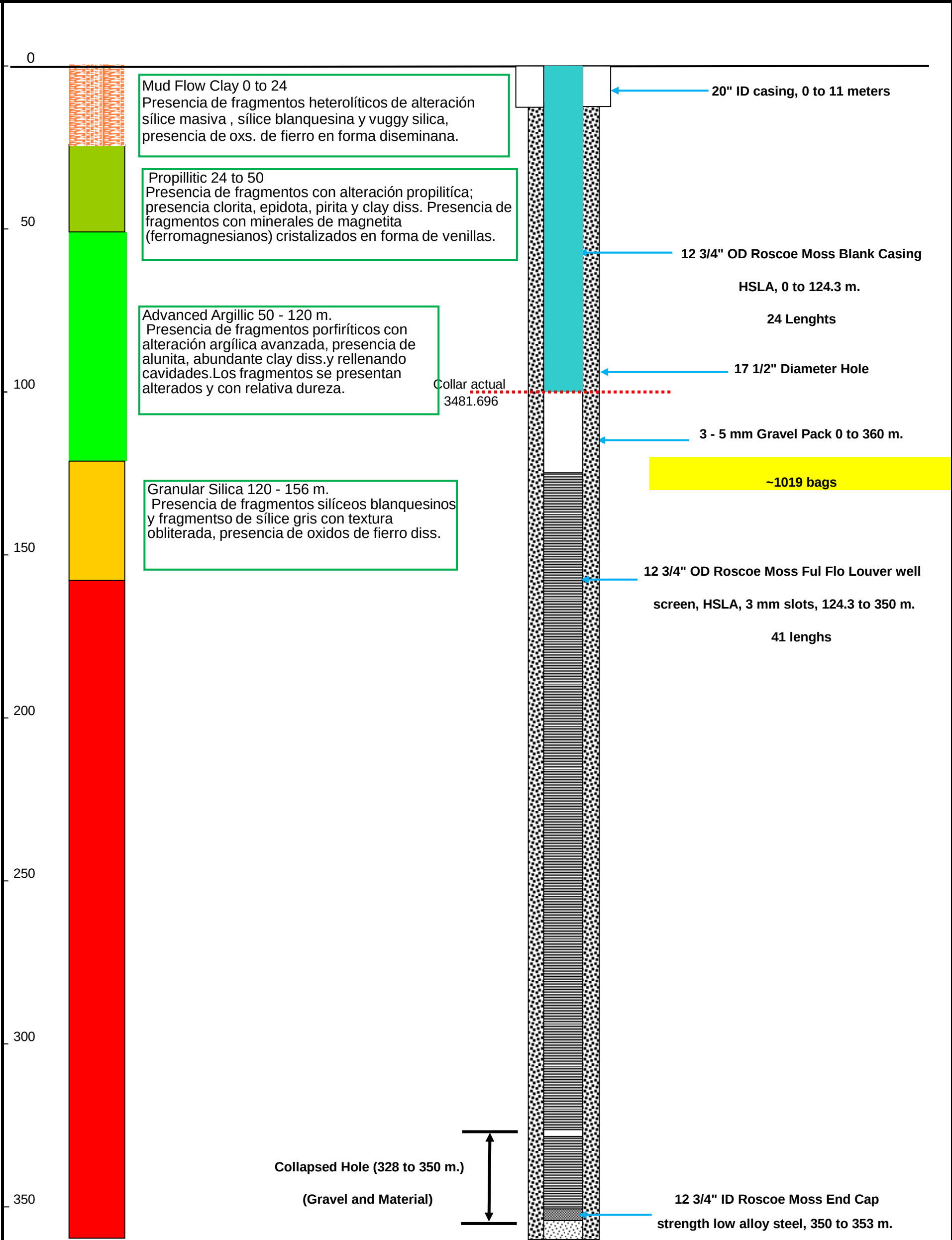
Northing:	9,225,698
Easting:	771,990
Elevation:	3,485
Rest Water Level (masl):	3,368



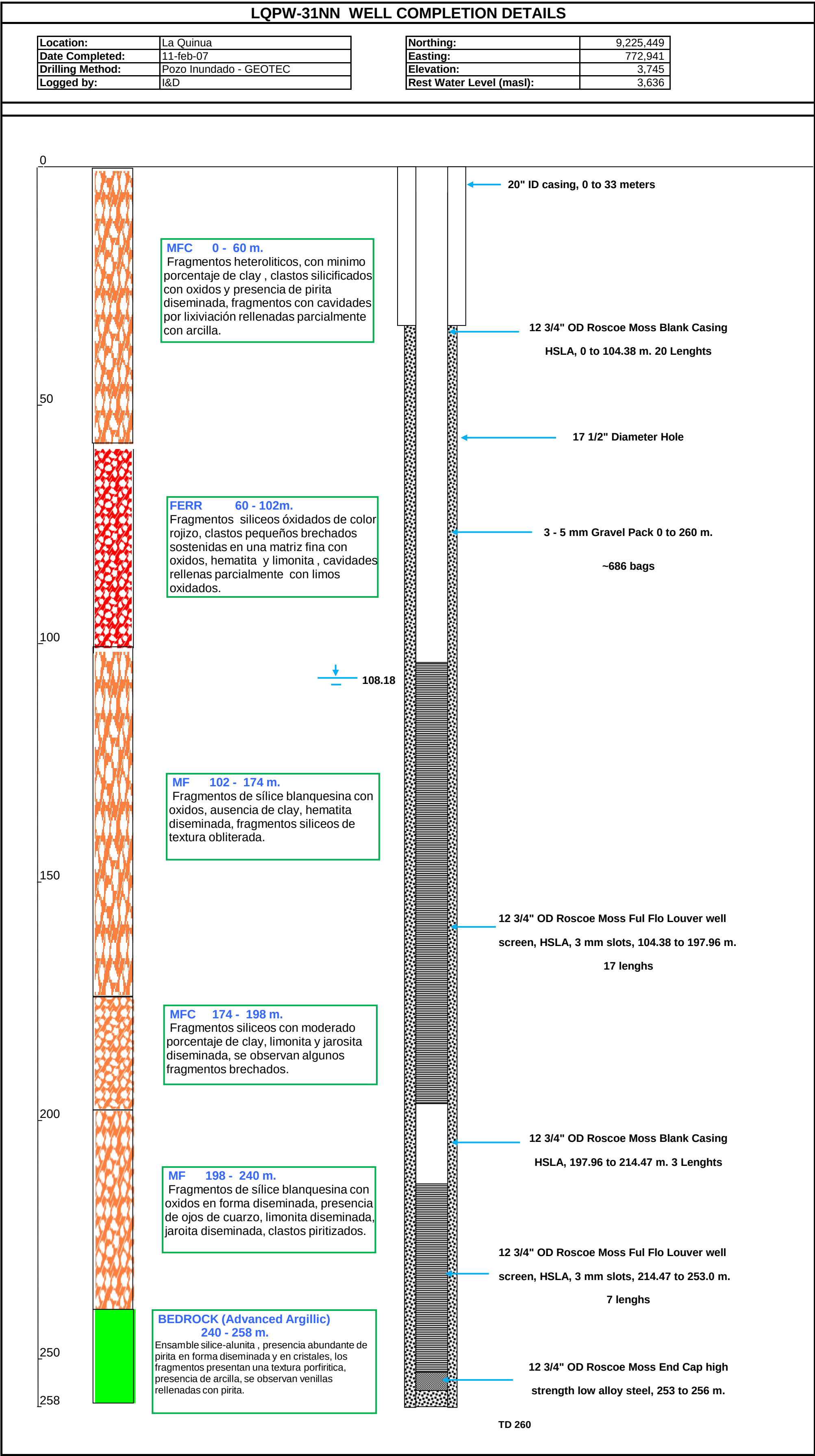
LQPW-28NN WELL COMPLETION DETAILS

Location:	La Quinua
Date Completed:	19-jul-07
Drilling Method:	Pozo Inundado - GEOTEC
Logged by:	I&D

Northing:	9,225,516
Easting:	772,258
Elevation:	3,582
Rest Water Level (masl):	3,582



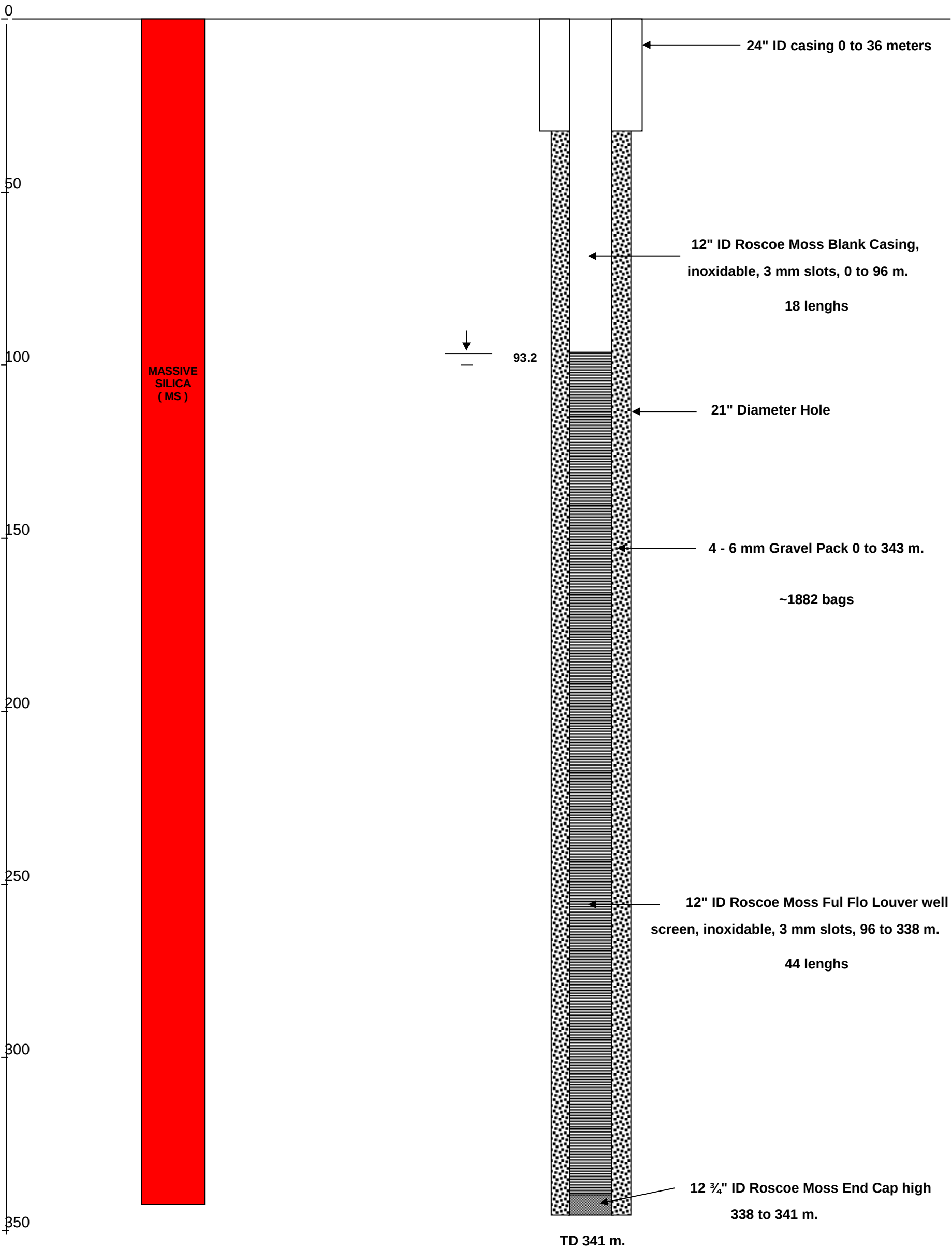
TD 360

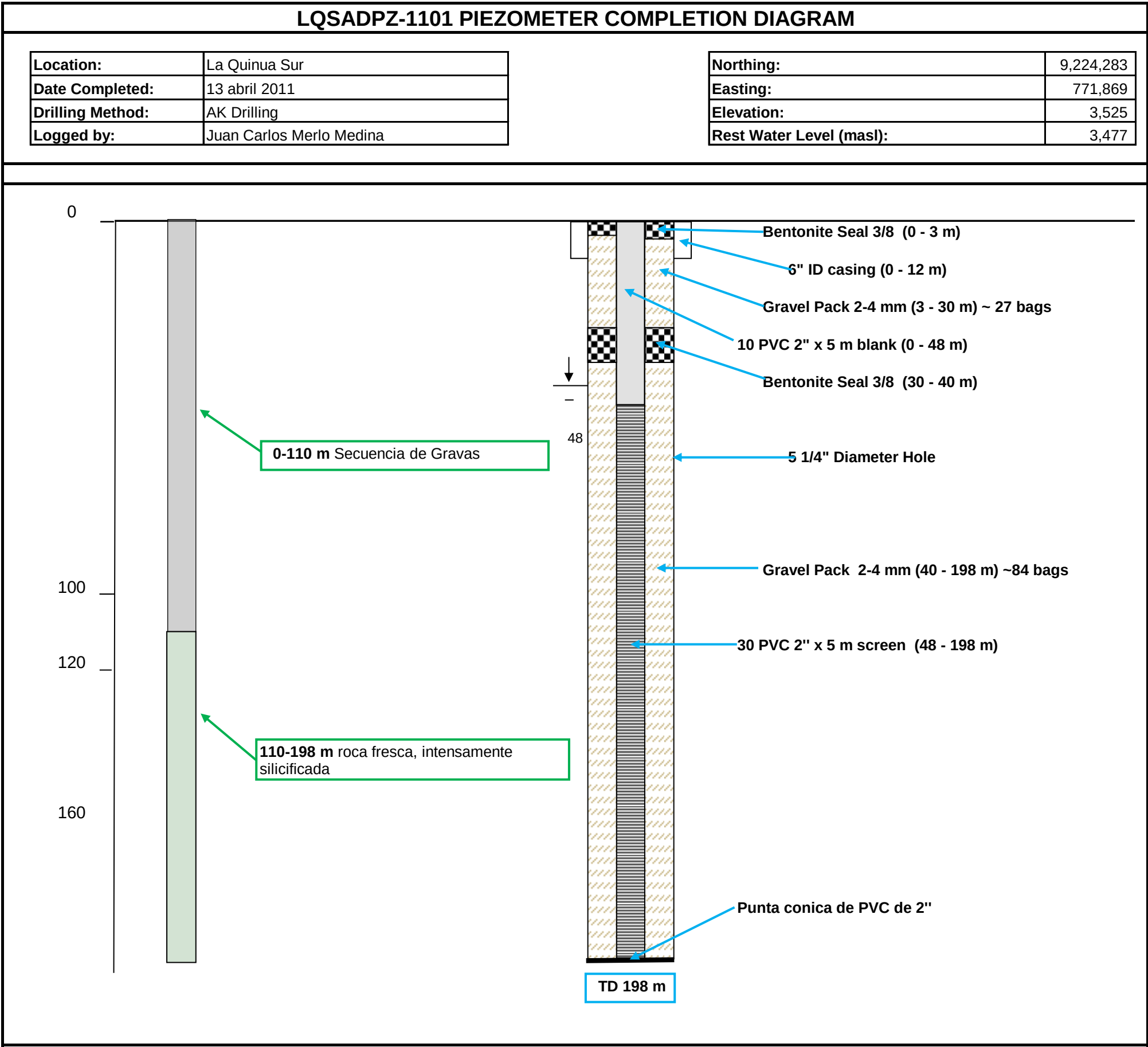


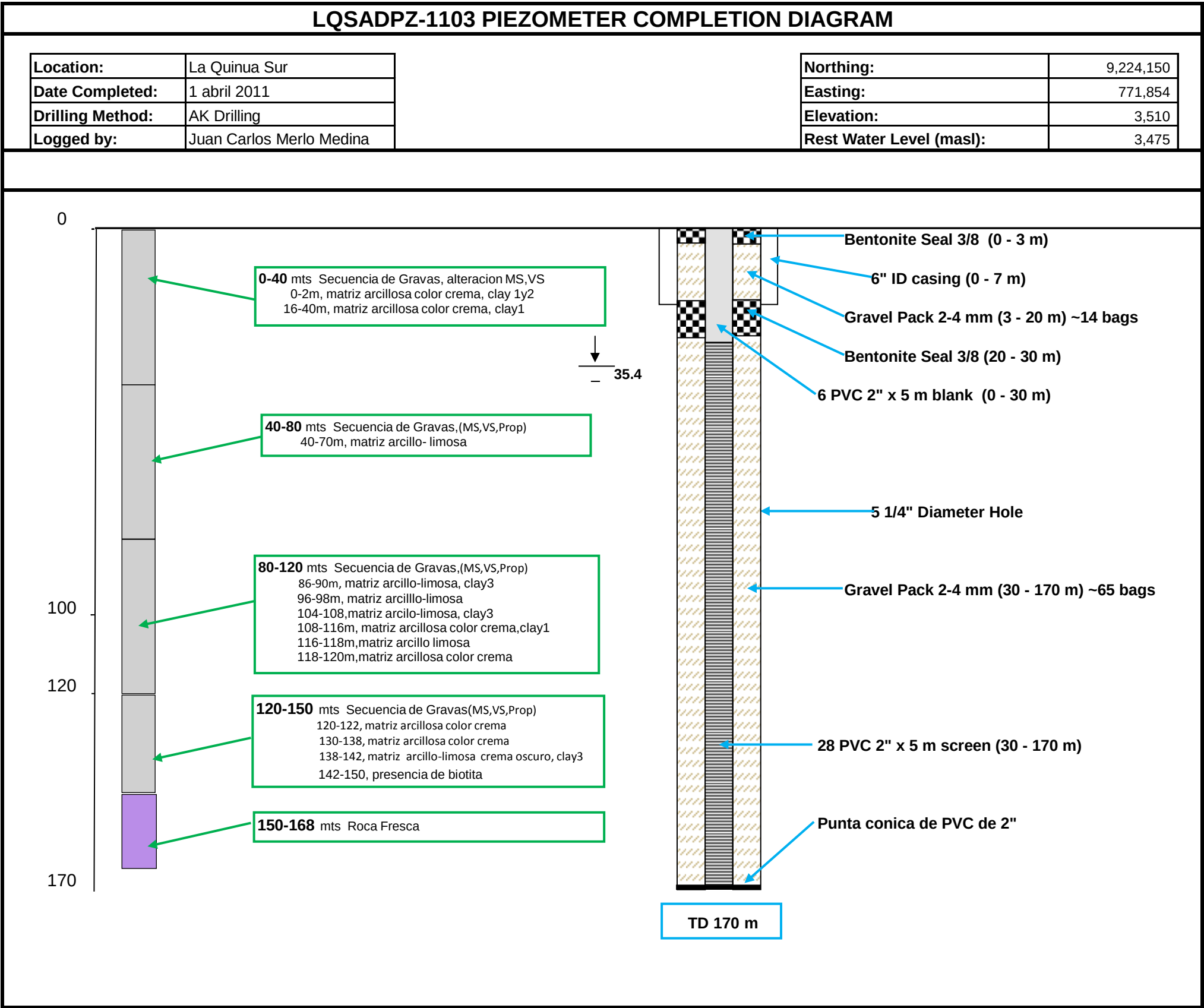
LQPW-34 WELL COMPLETION DETAILS

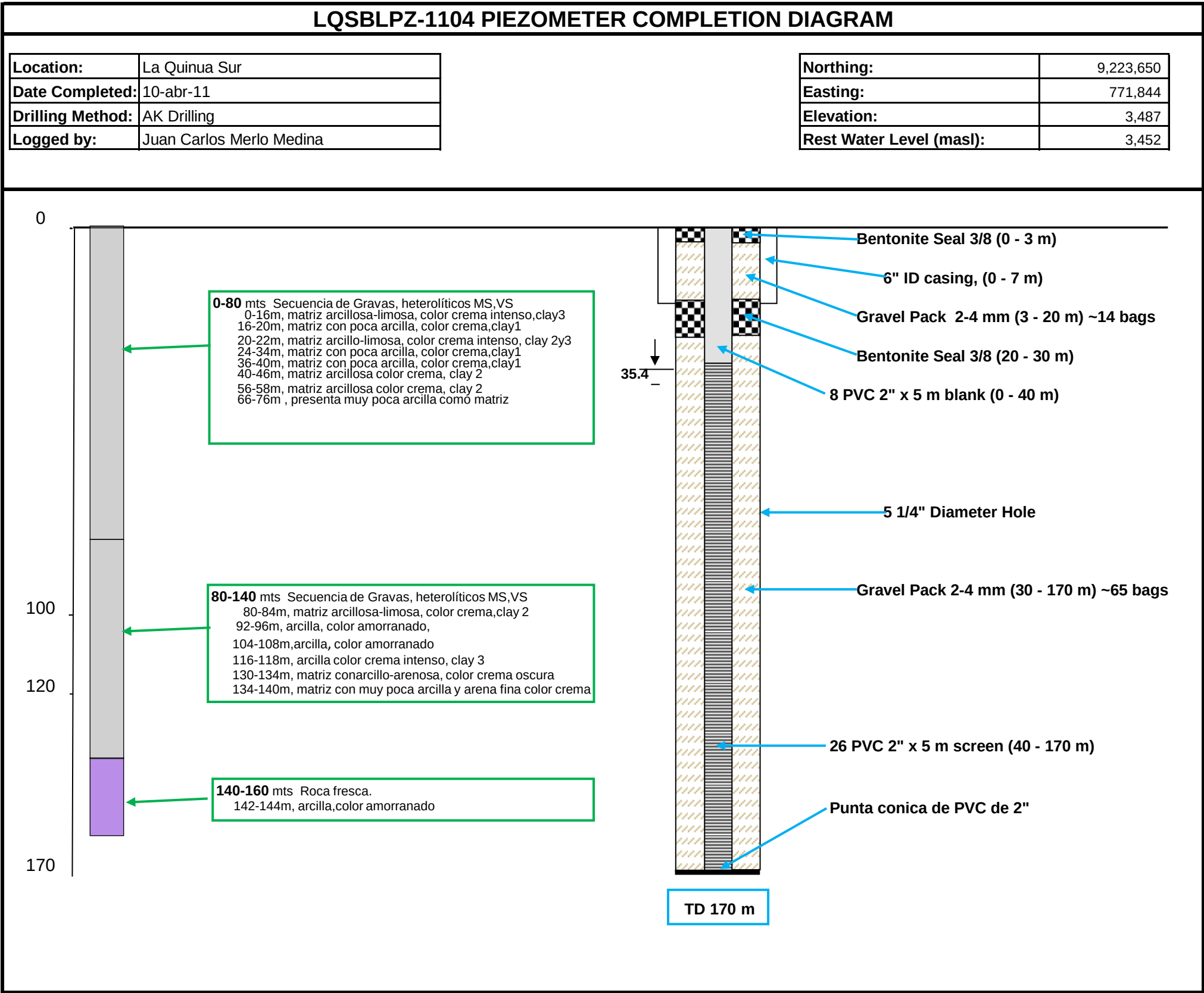
Location:	La Quinoa
Date Completed:	26-feb-09
Drilling Method:	Pozo Inundado - GEOTEC
Logged by:	
prof. actual 15-03-2011	343m

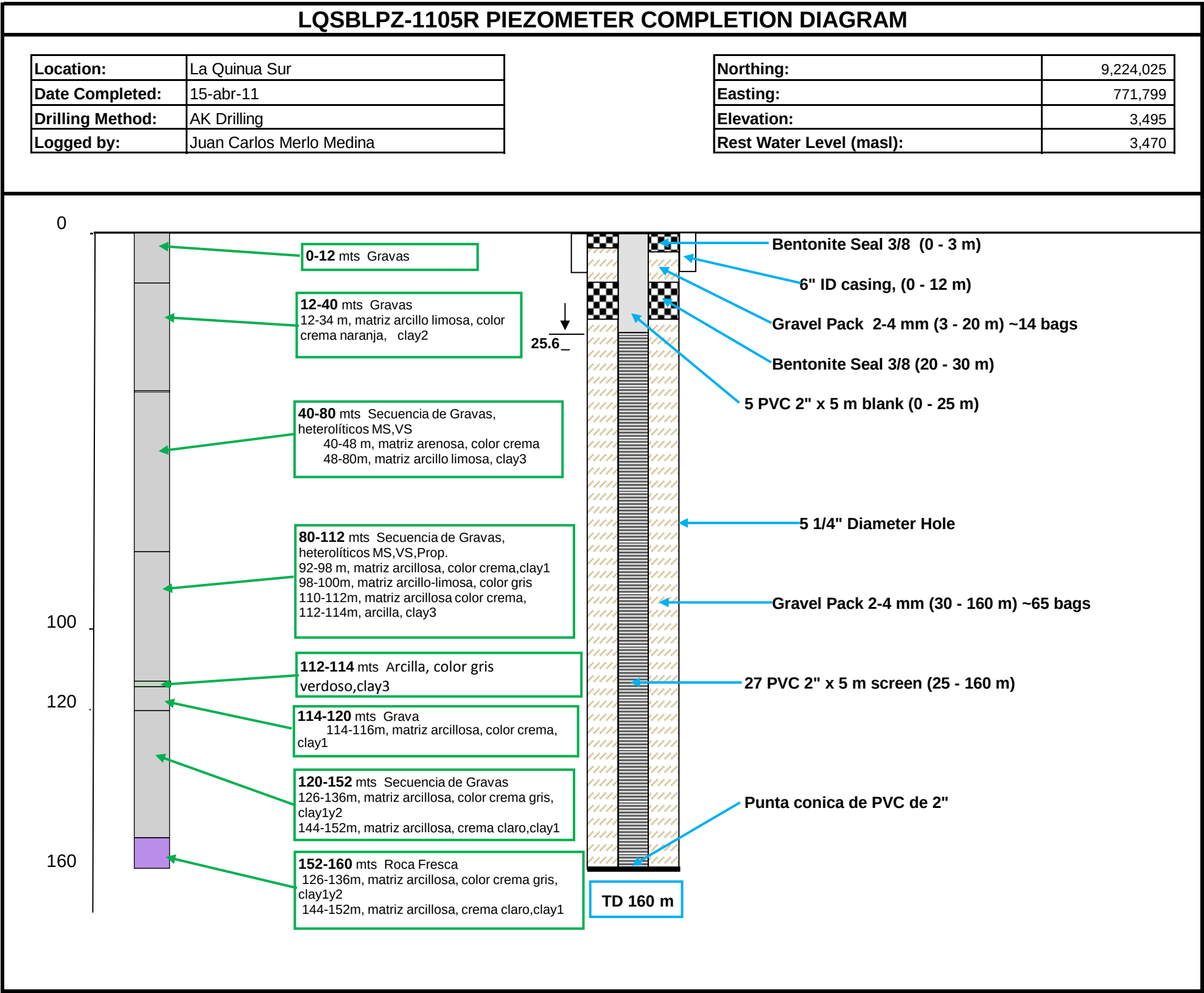
Northing:	9,225,715
Easting:	771,916
Elevation:	3,517
Rest Water Level (masl):	3,424

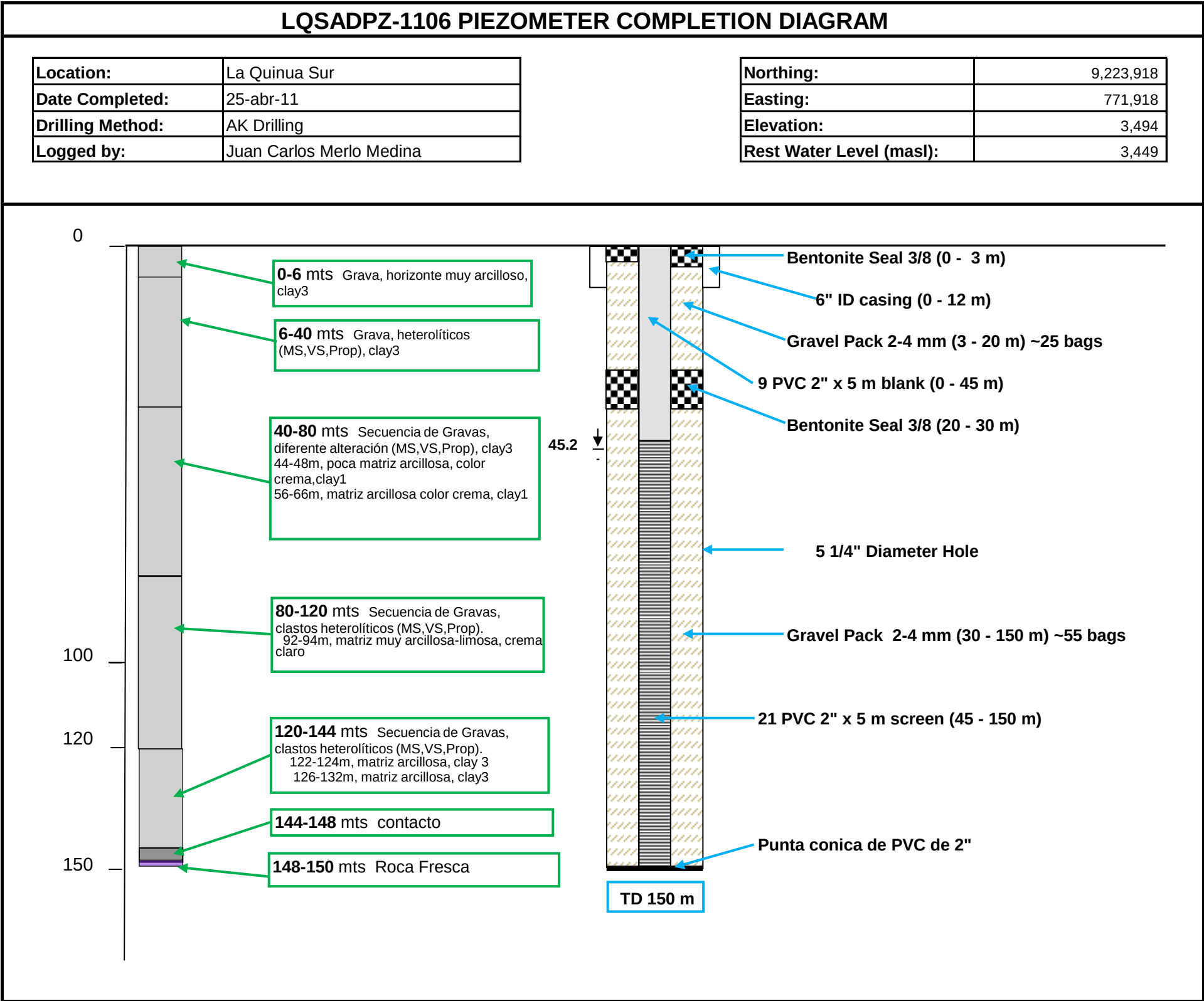


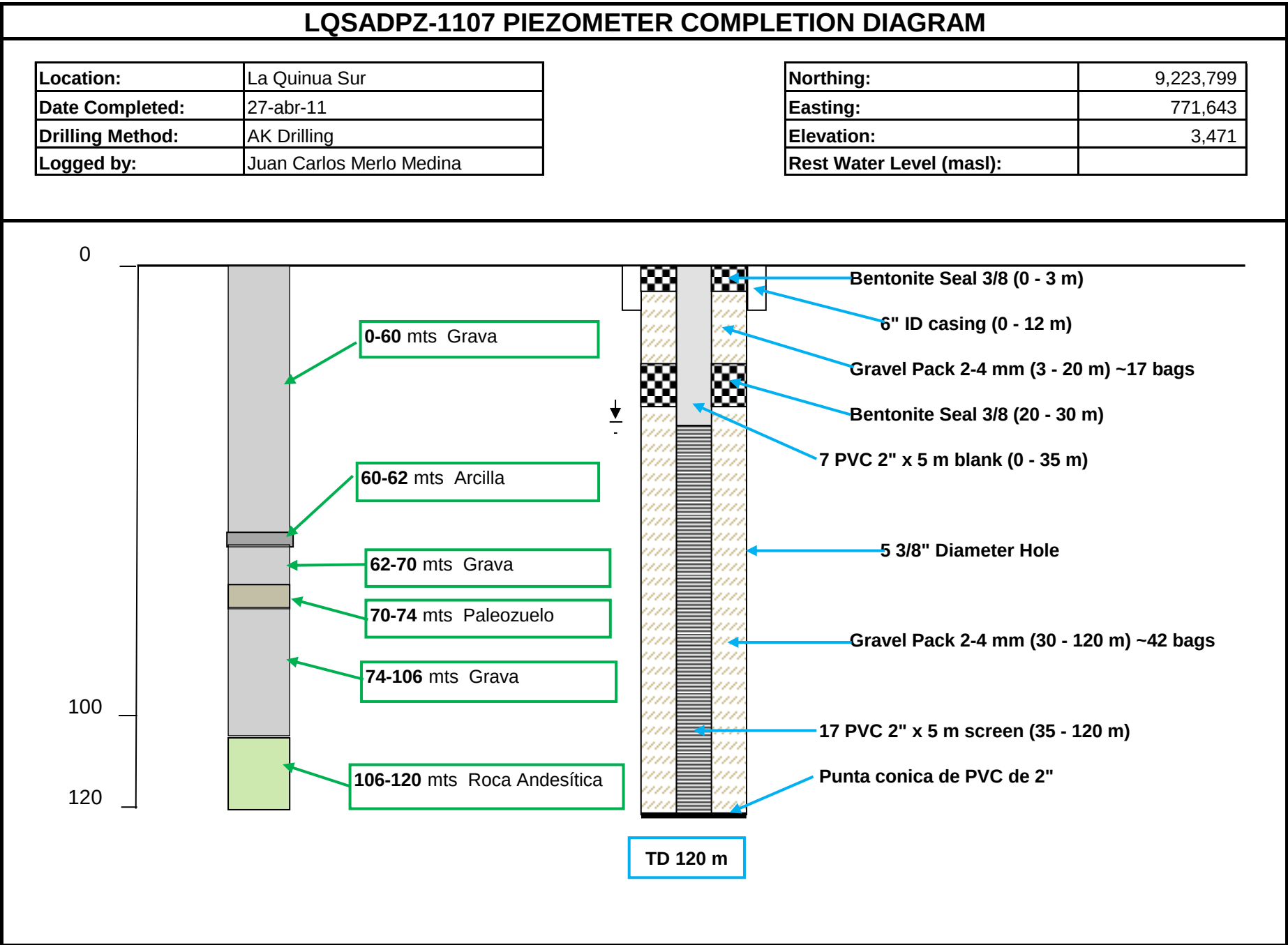


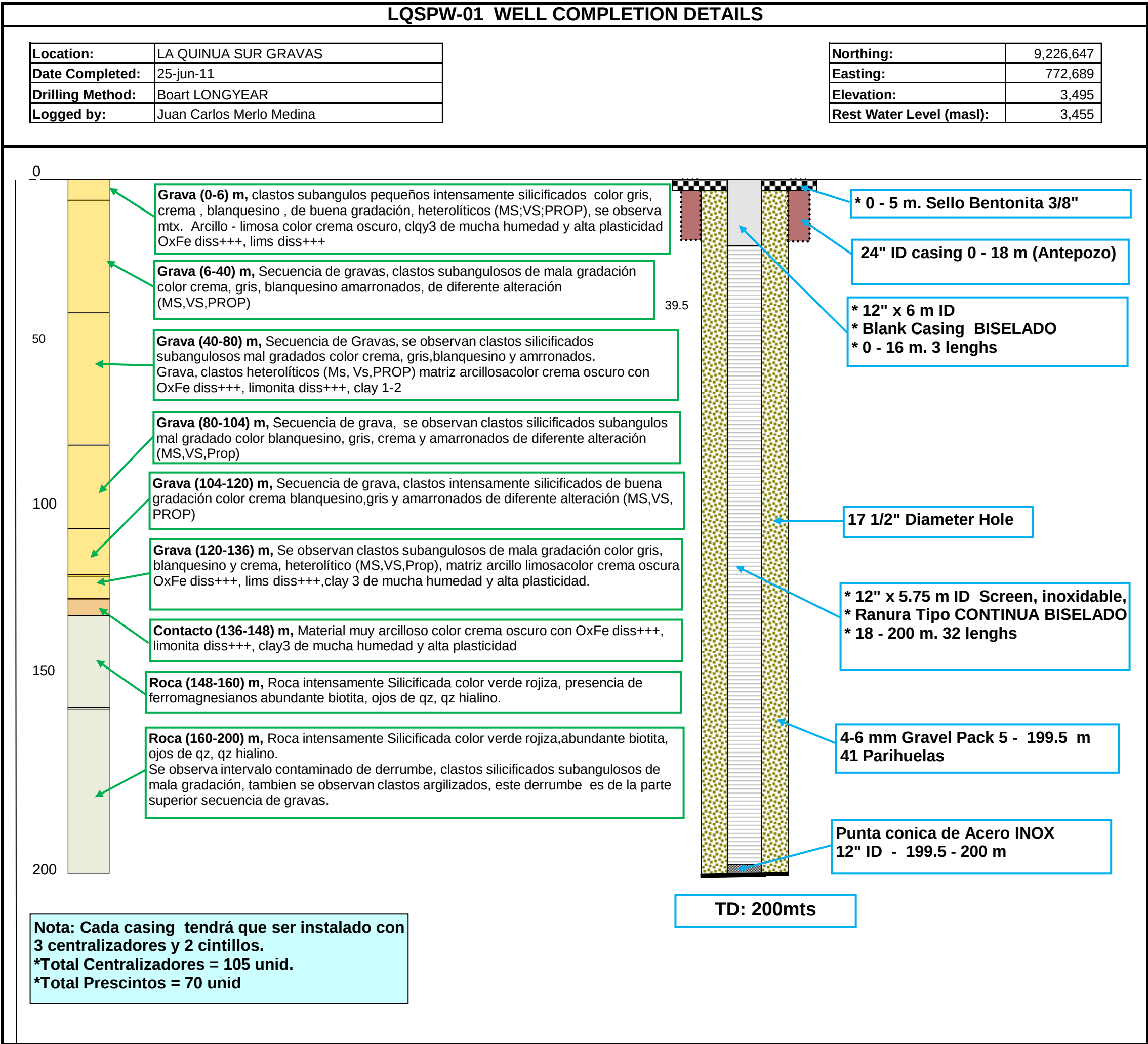








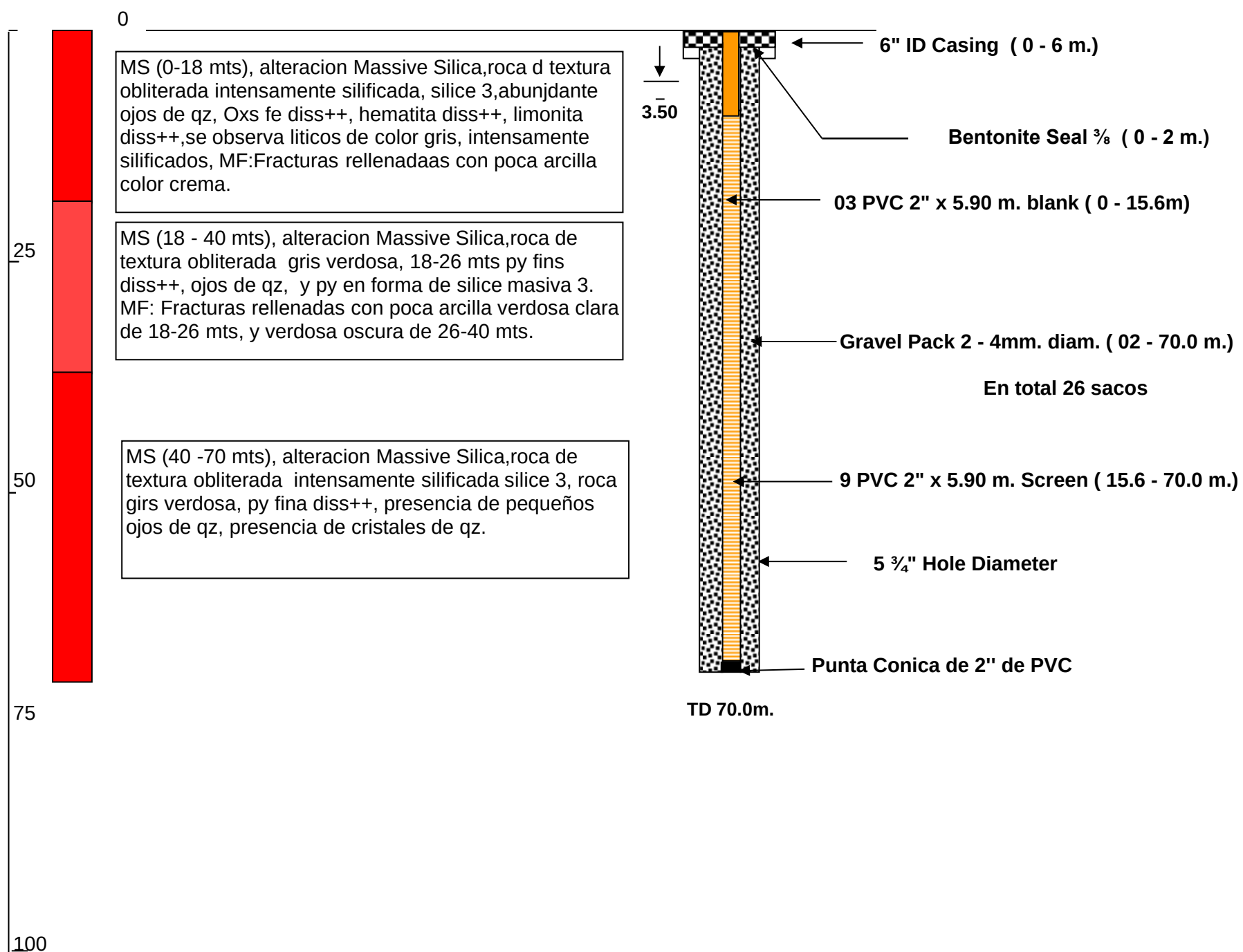


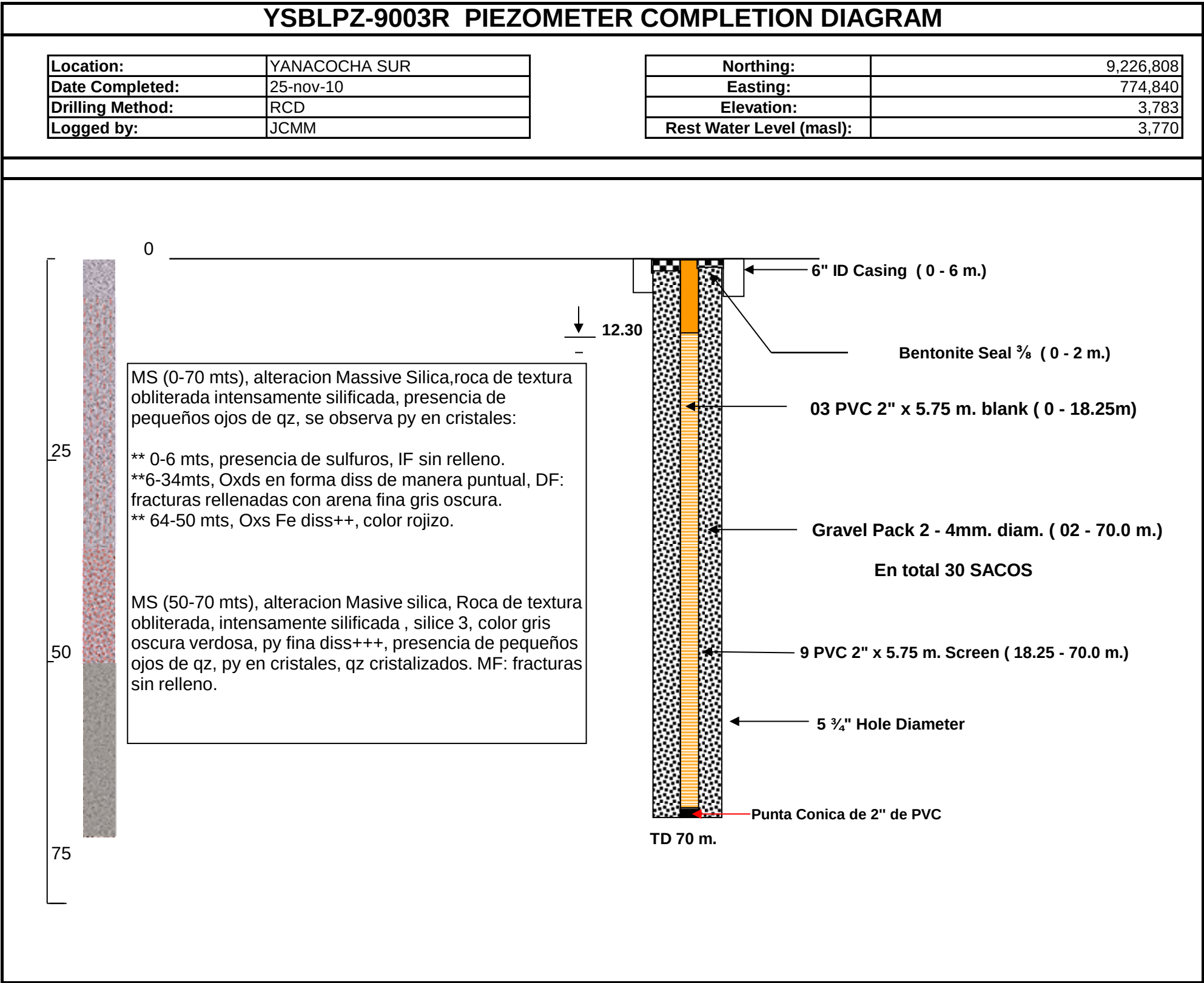


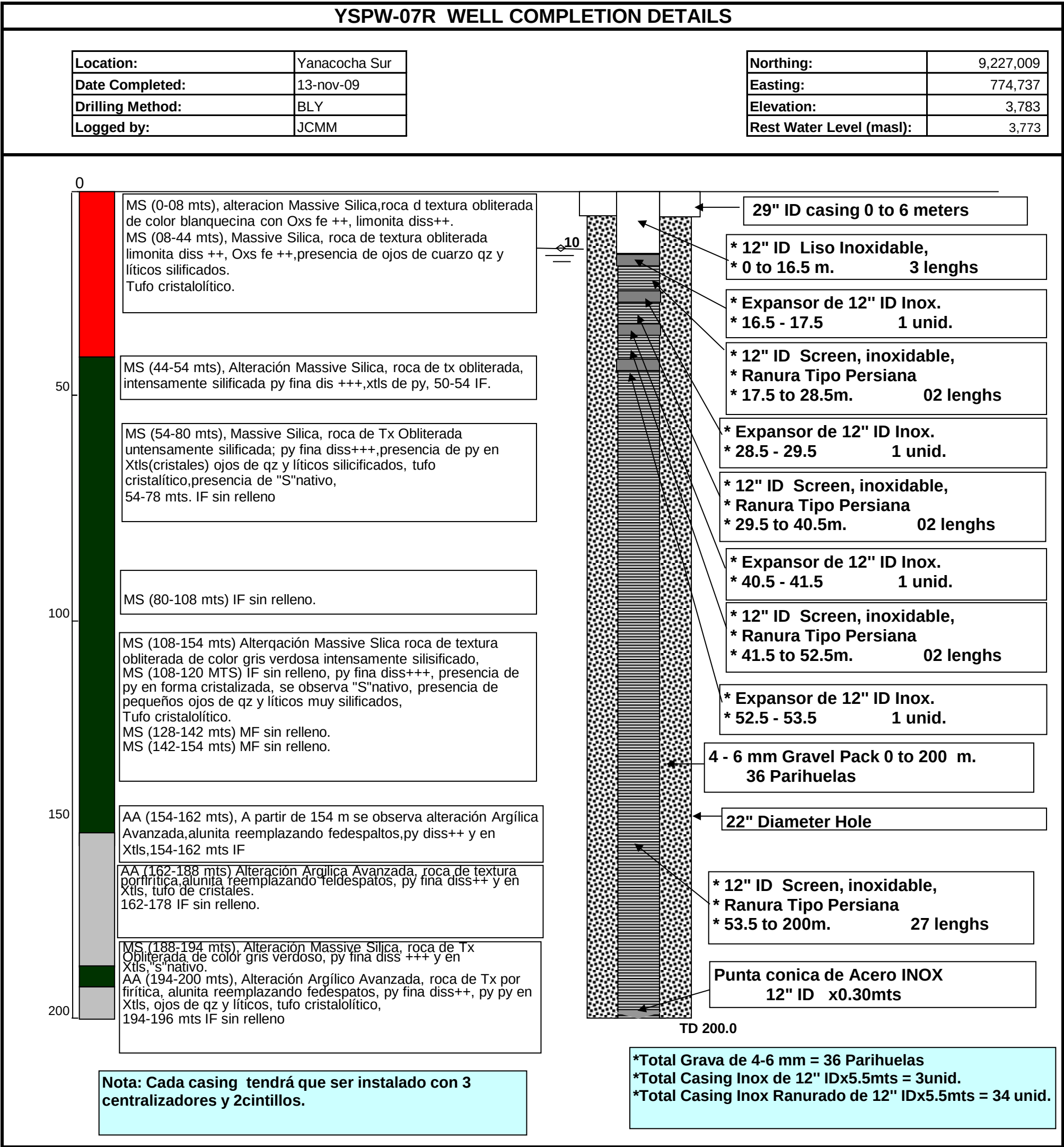
YSBLPZ-9001R PIEZOMETER COMPLETION DIAGRAM

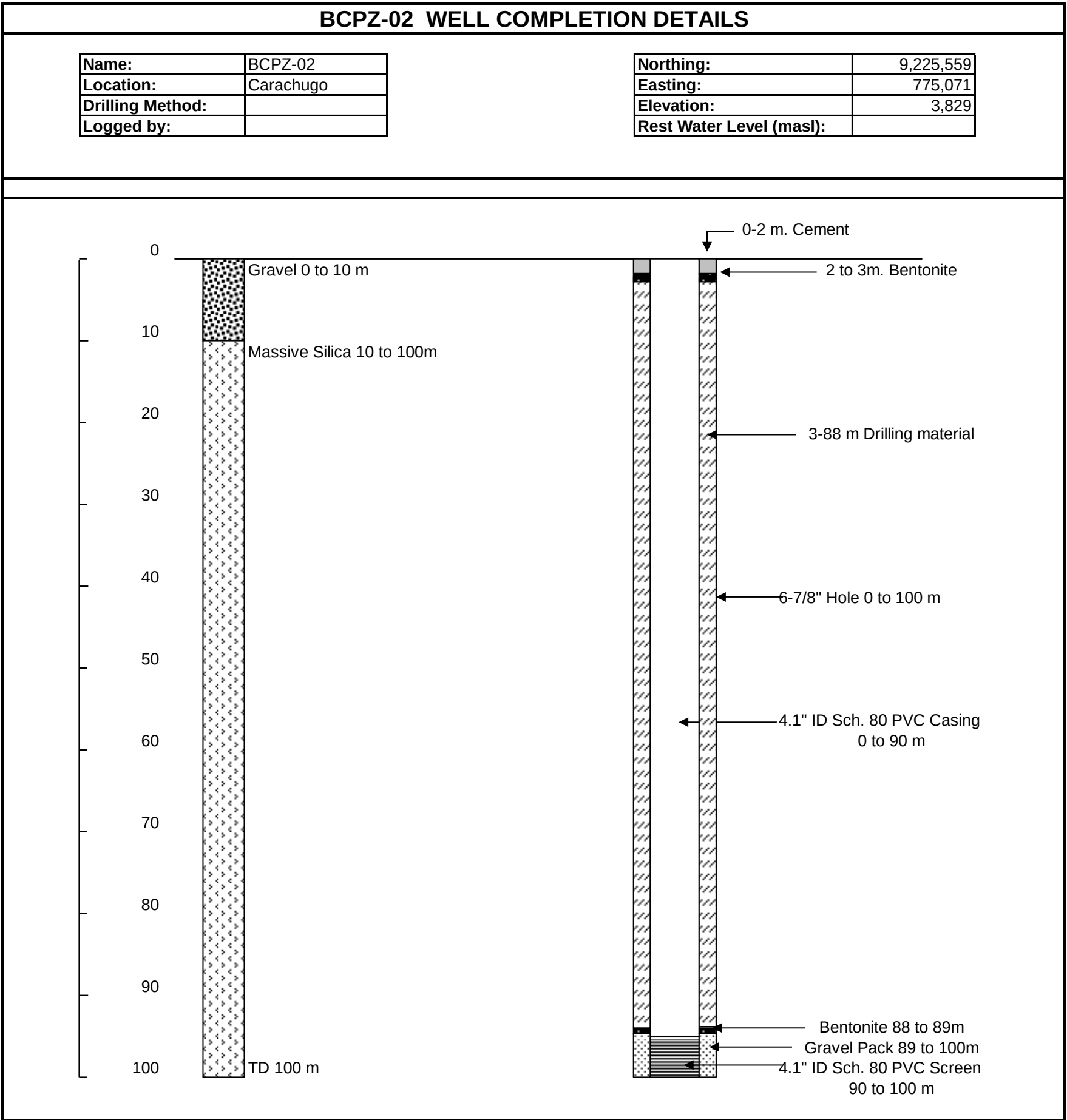
Location:	YANACOCOA SUR
Date Completed:	09-nov-10
Drilling Method:	RCD
Logged by:	JCMM

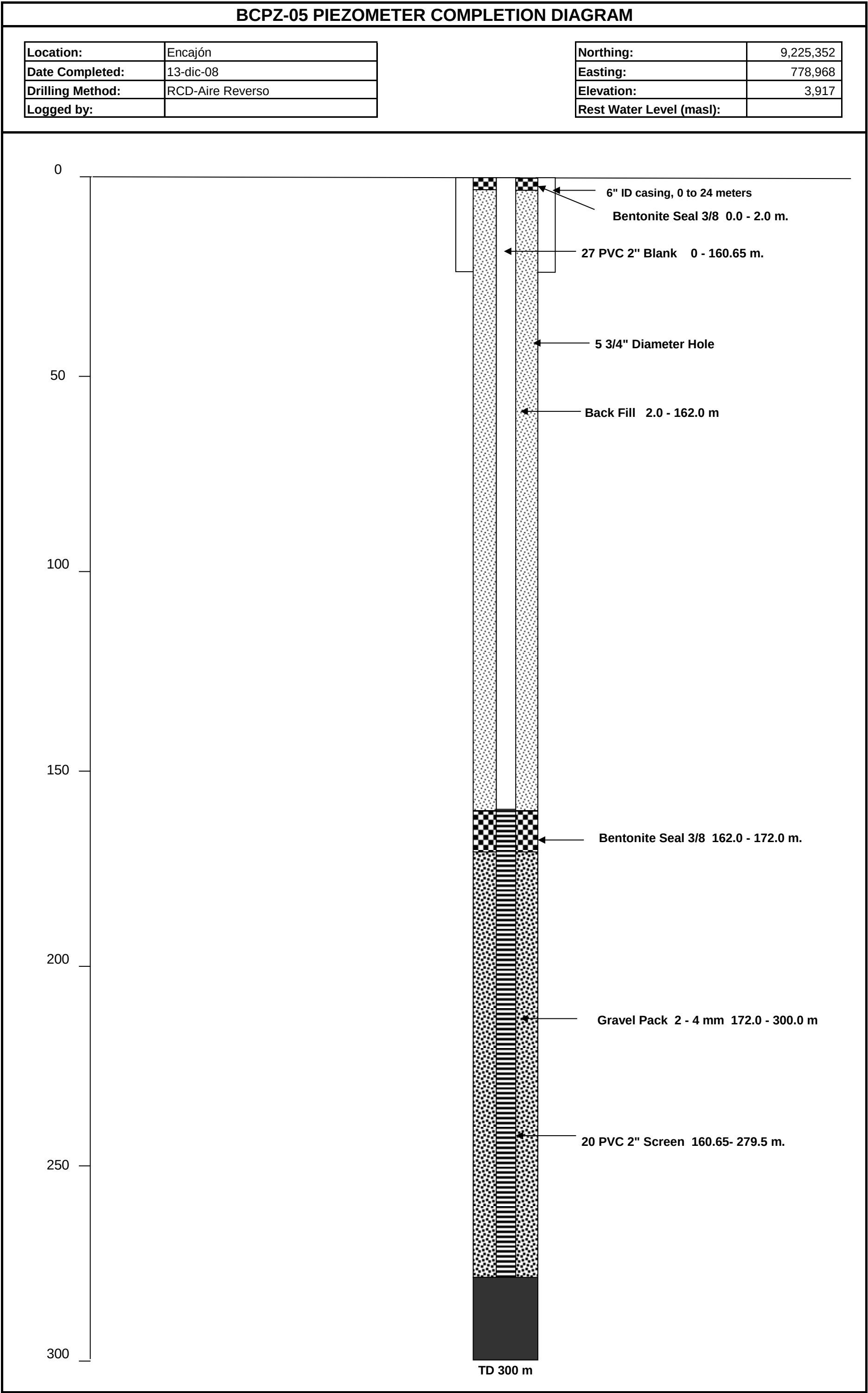
Northing:	9,226,927
Easting:	774,973
Elevation:	3,773
Rest Water Level (masl):	3,769







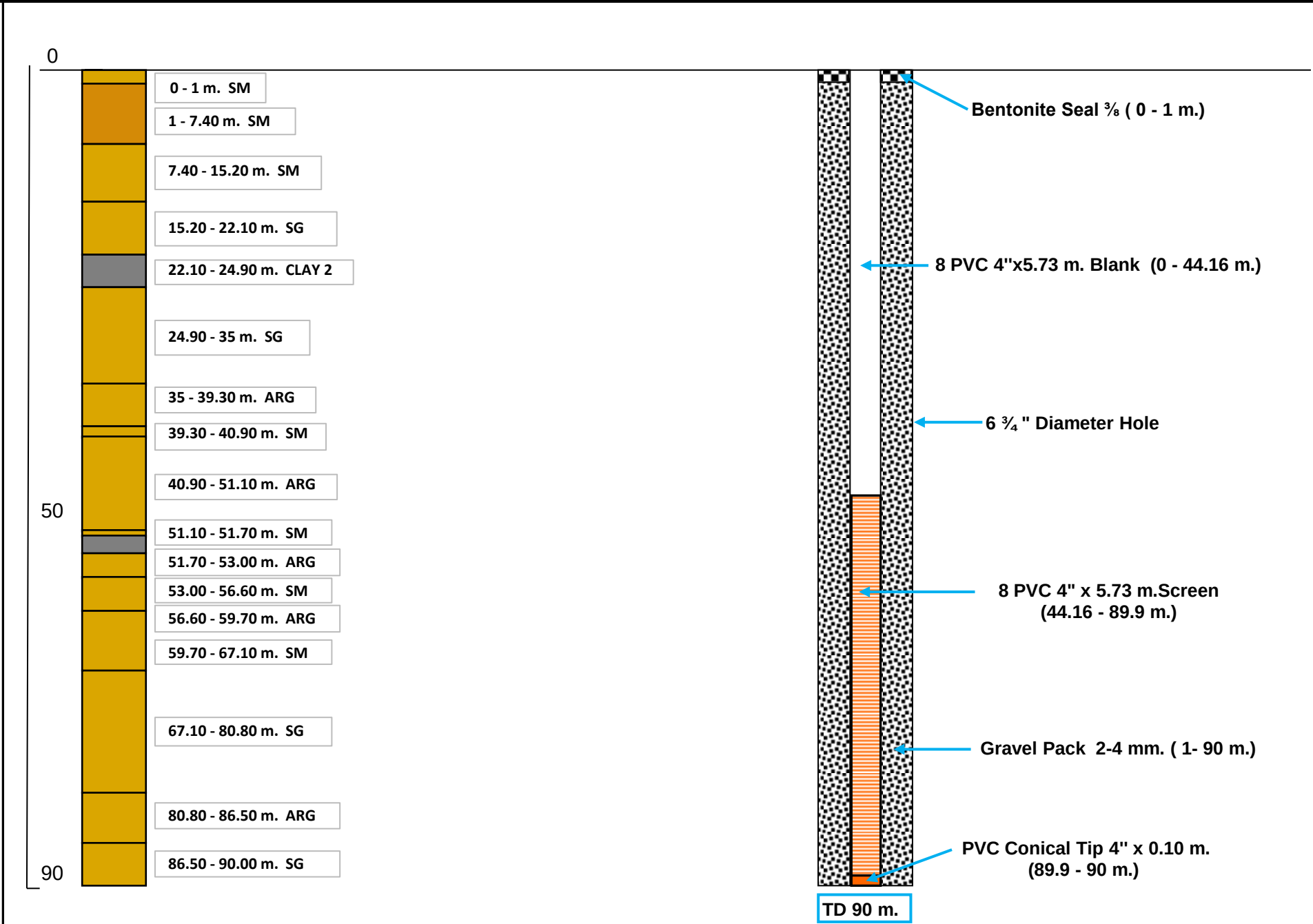


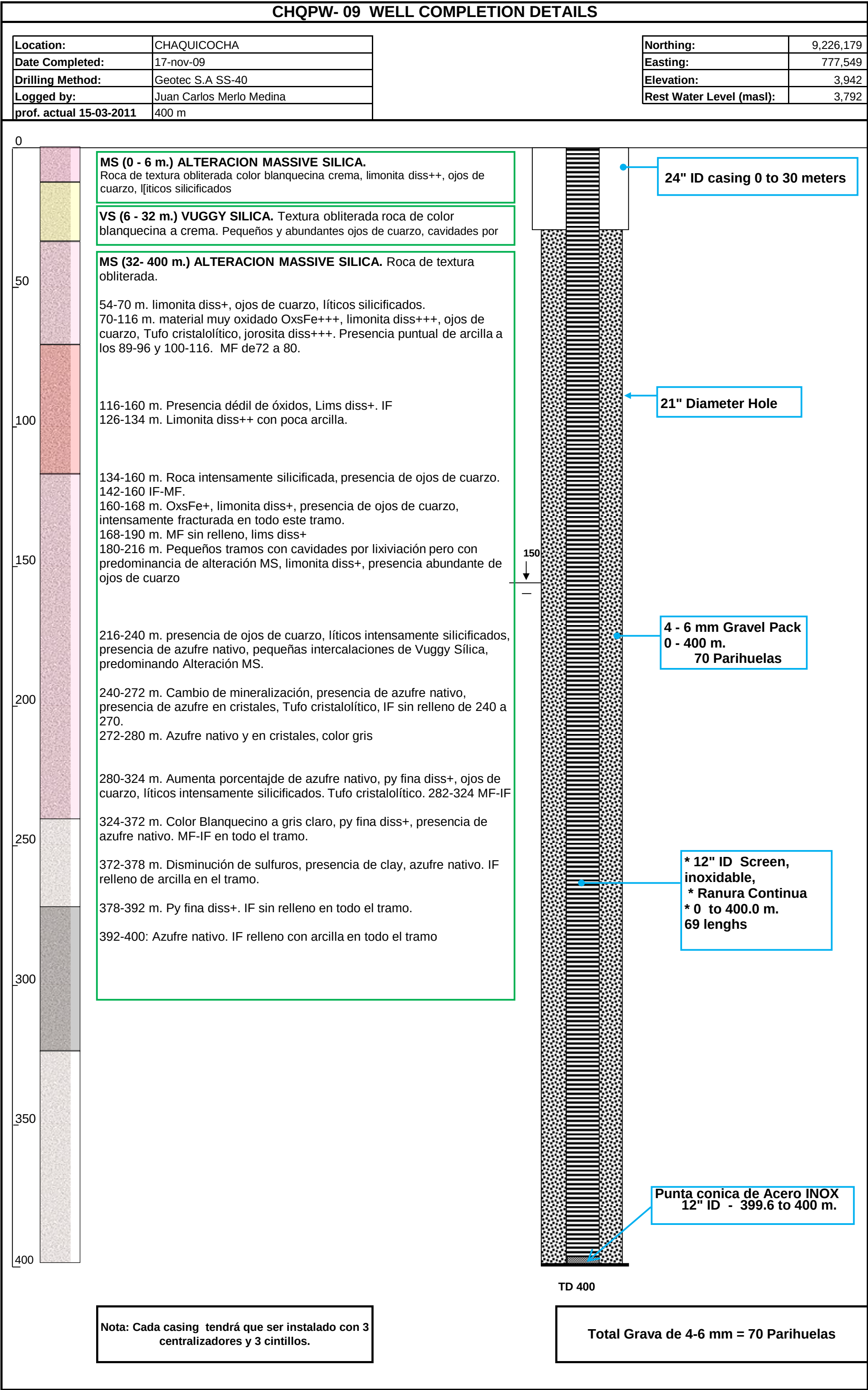


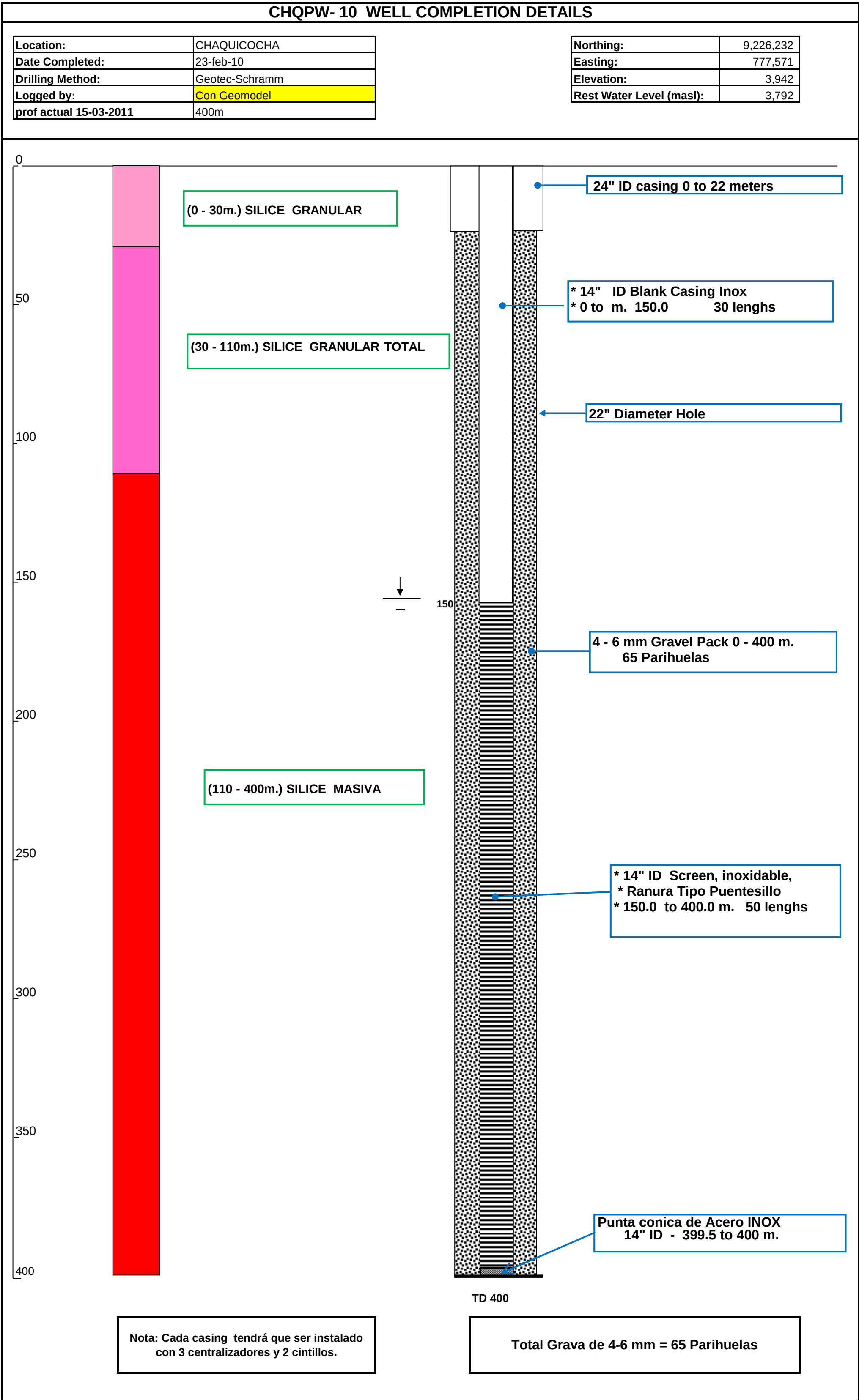
CHQ4PZ-02 PIEZOMETER COMPLETION DIAGRAM

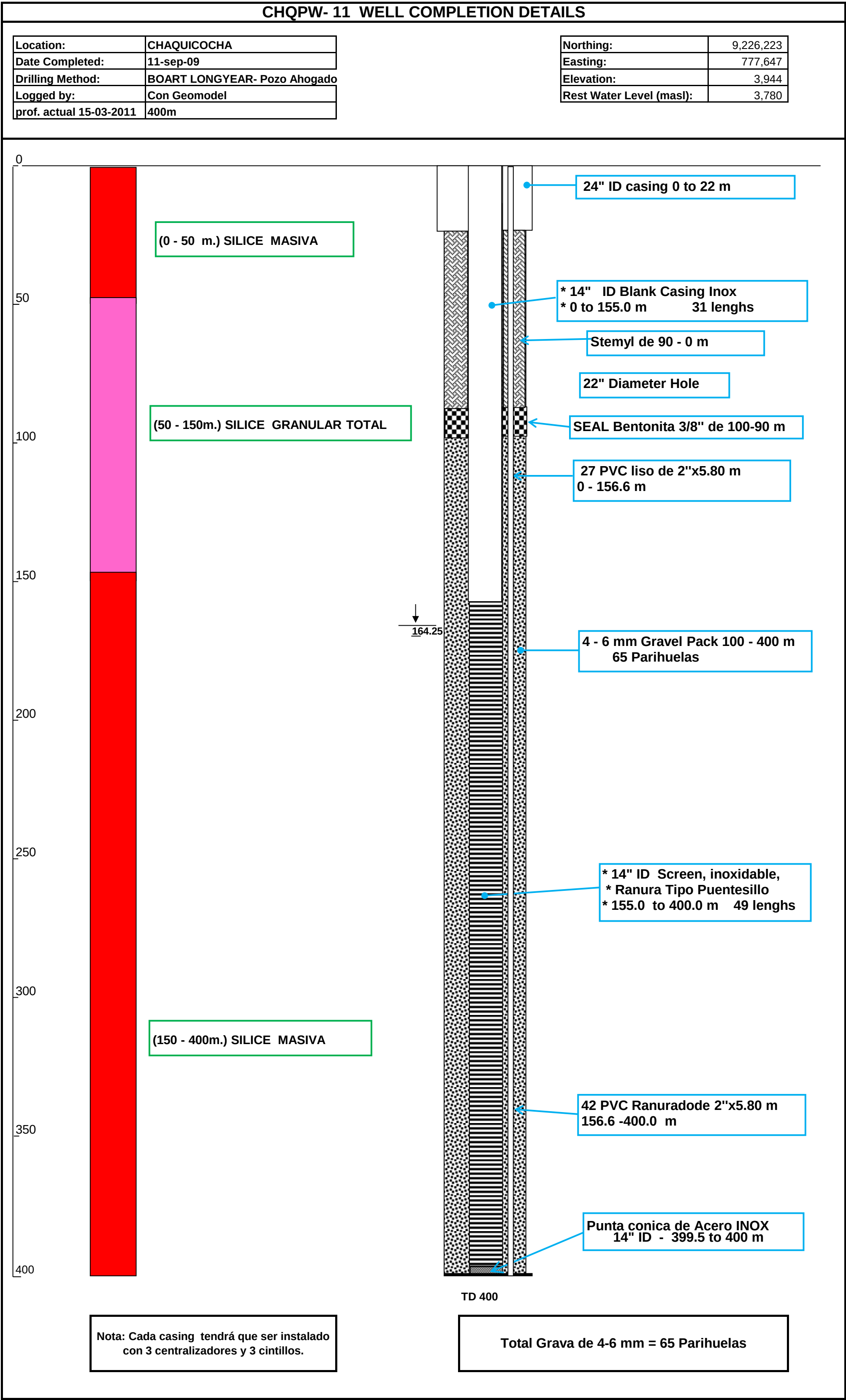
Location:	Tajo CHQ 4
Date Completed:	09-may-15
Drilling Method:	PE-7-75/GEOTEC/DDH
Logged by:	Juan Carlos Merlo

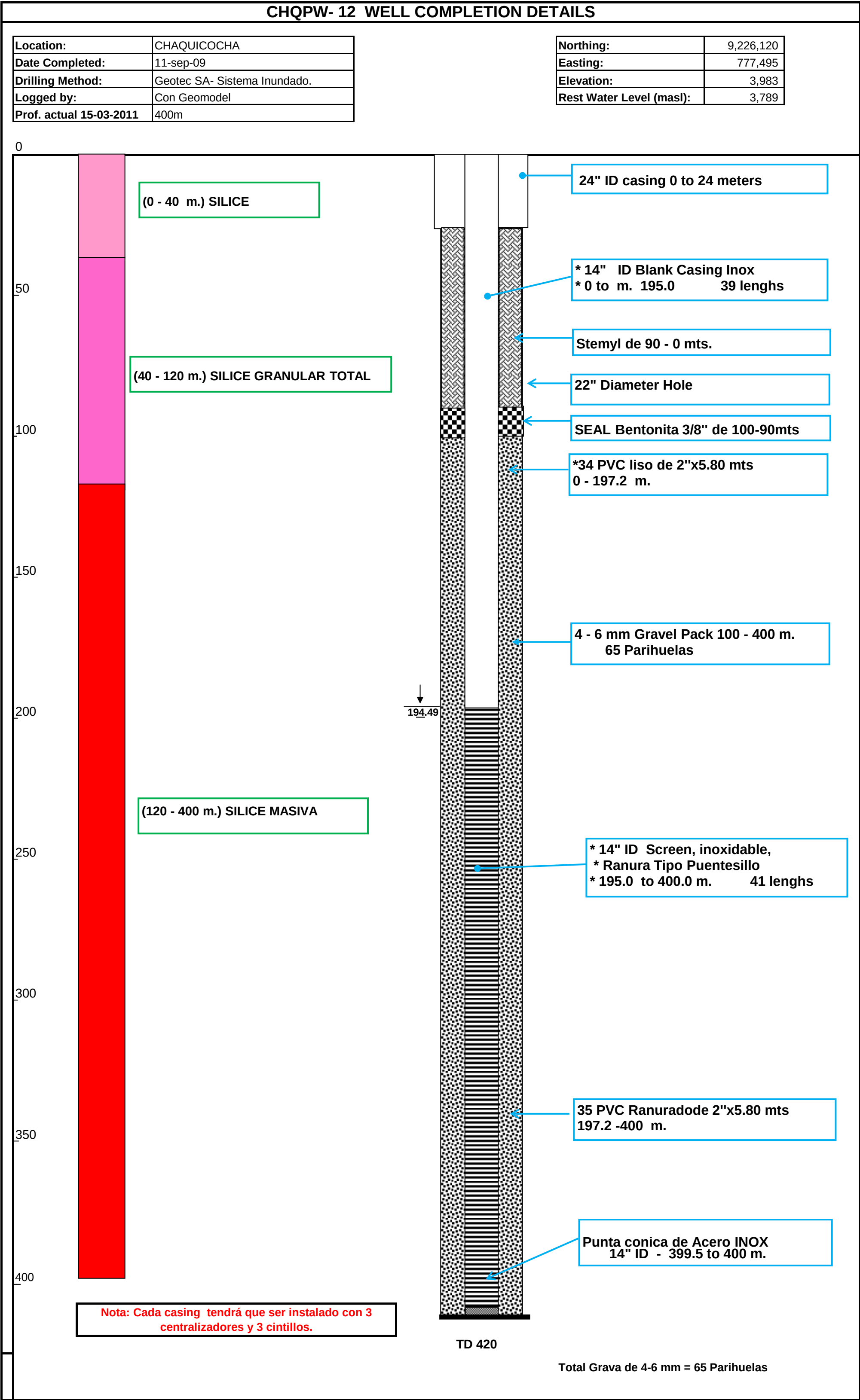
Northing:	9,227,787
Easting:	778,917
Elevation:	3,988
Rest Water Level (masl):	

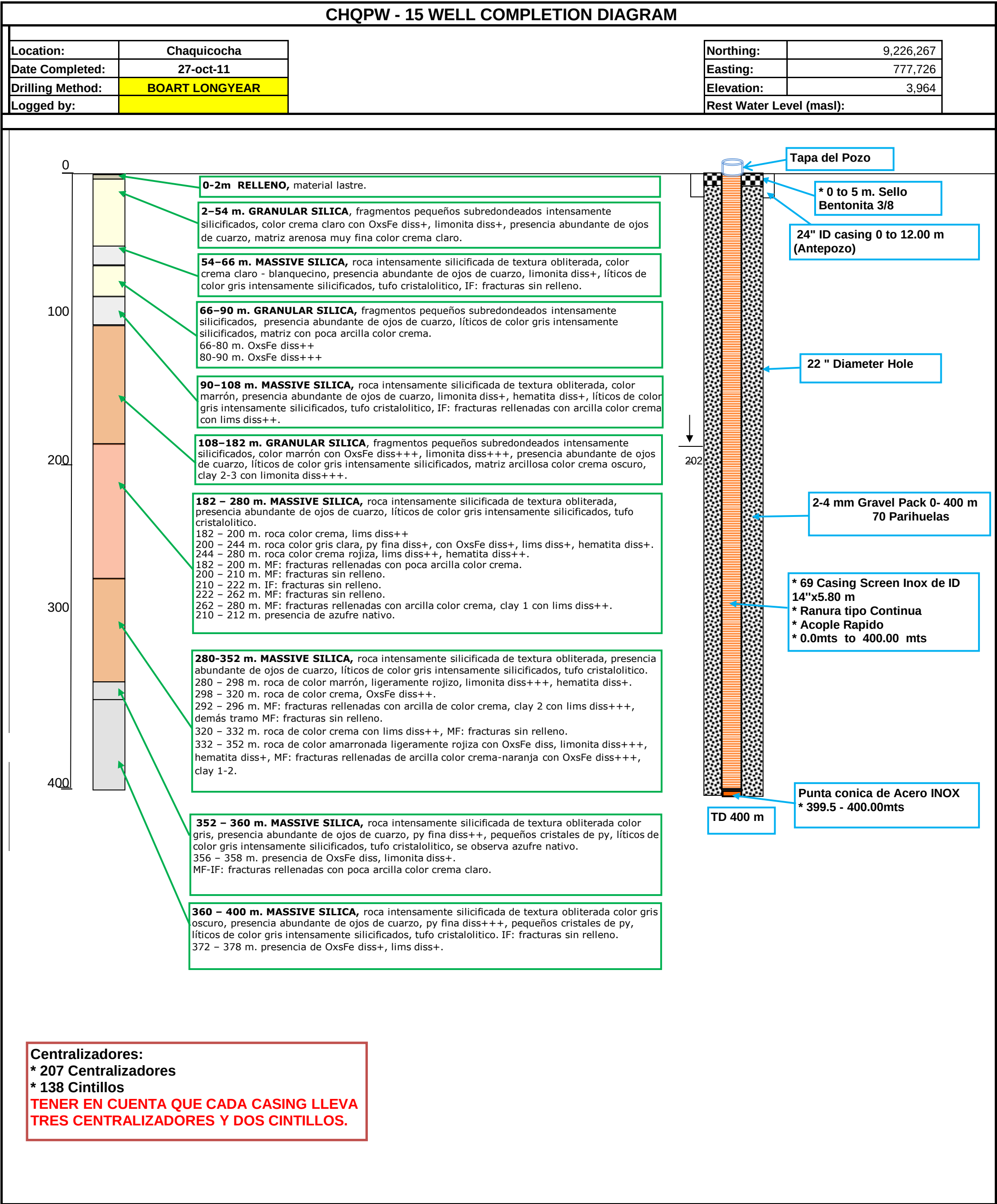


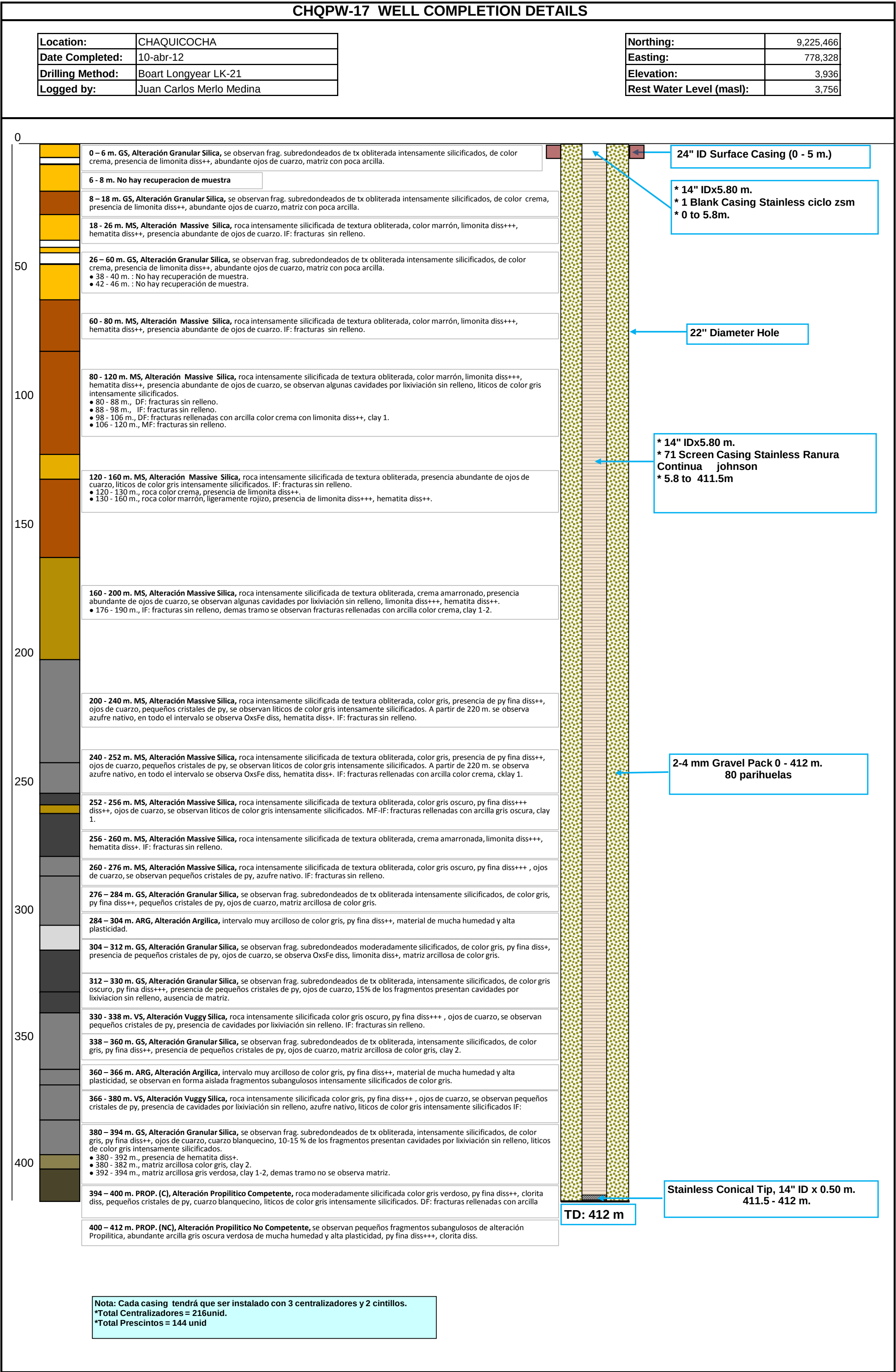


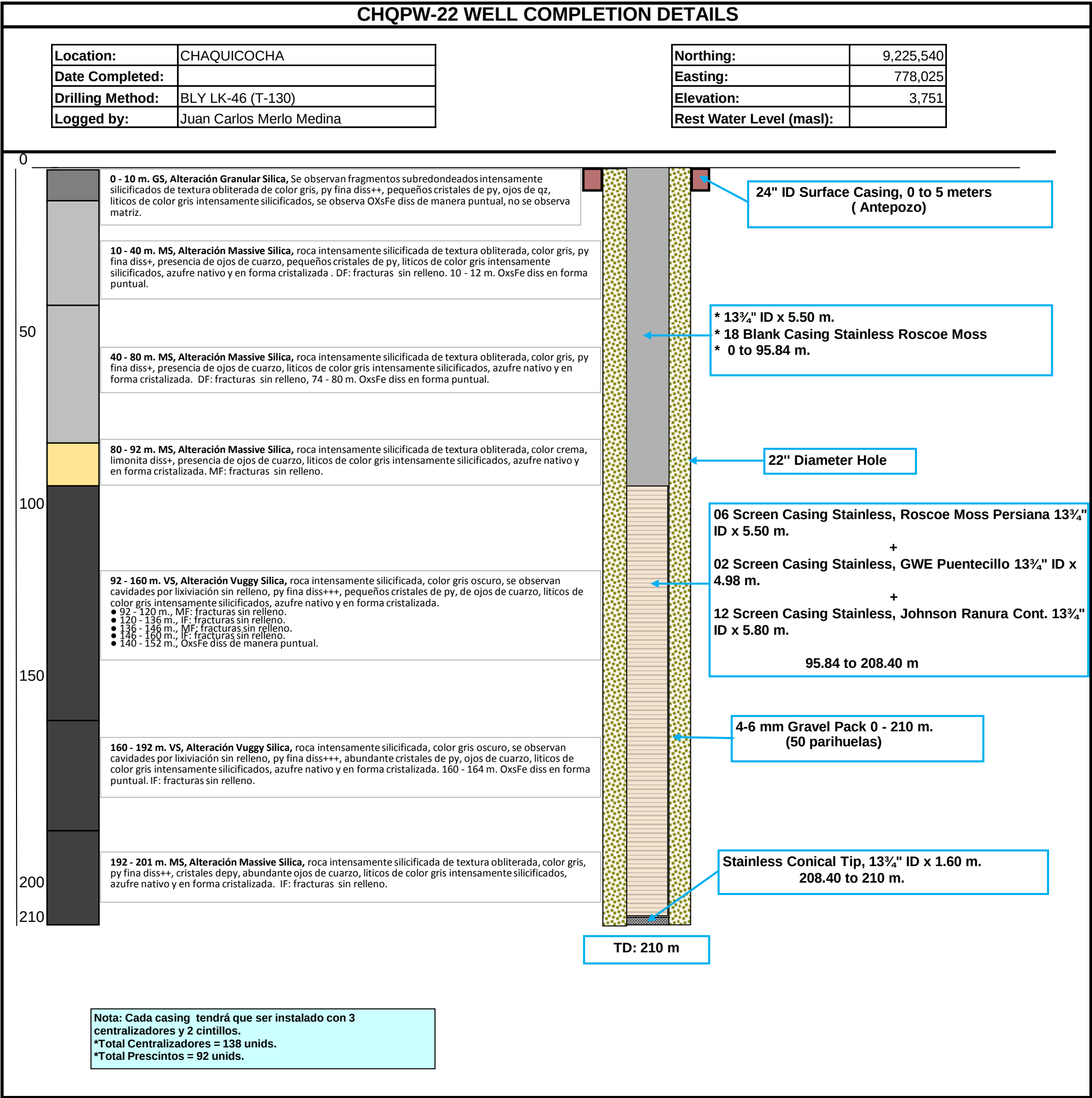








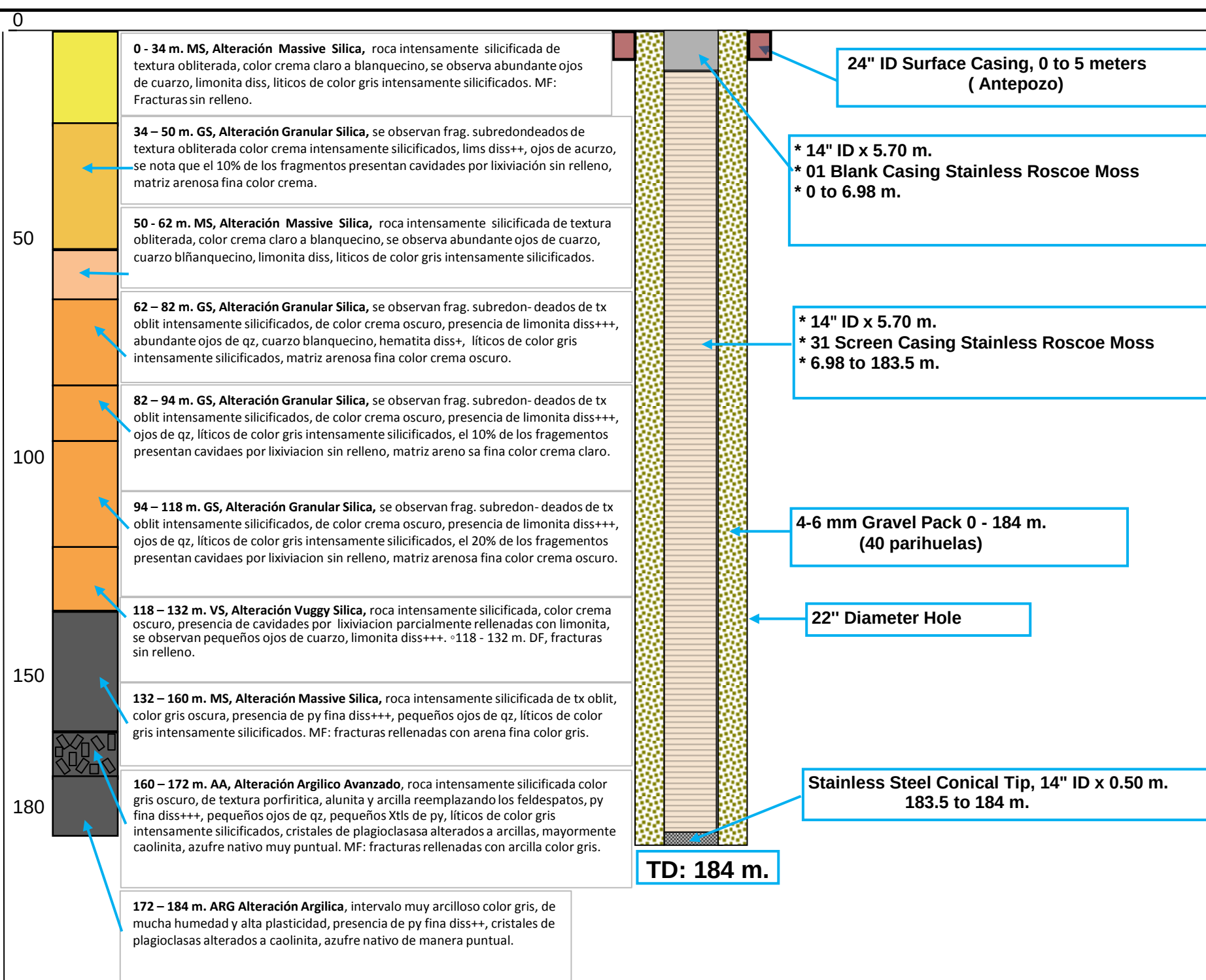


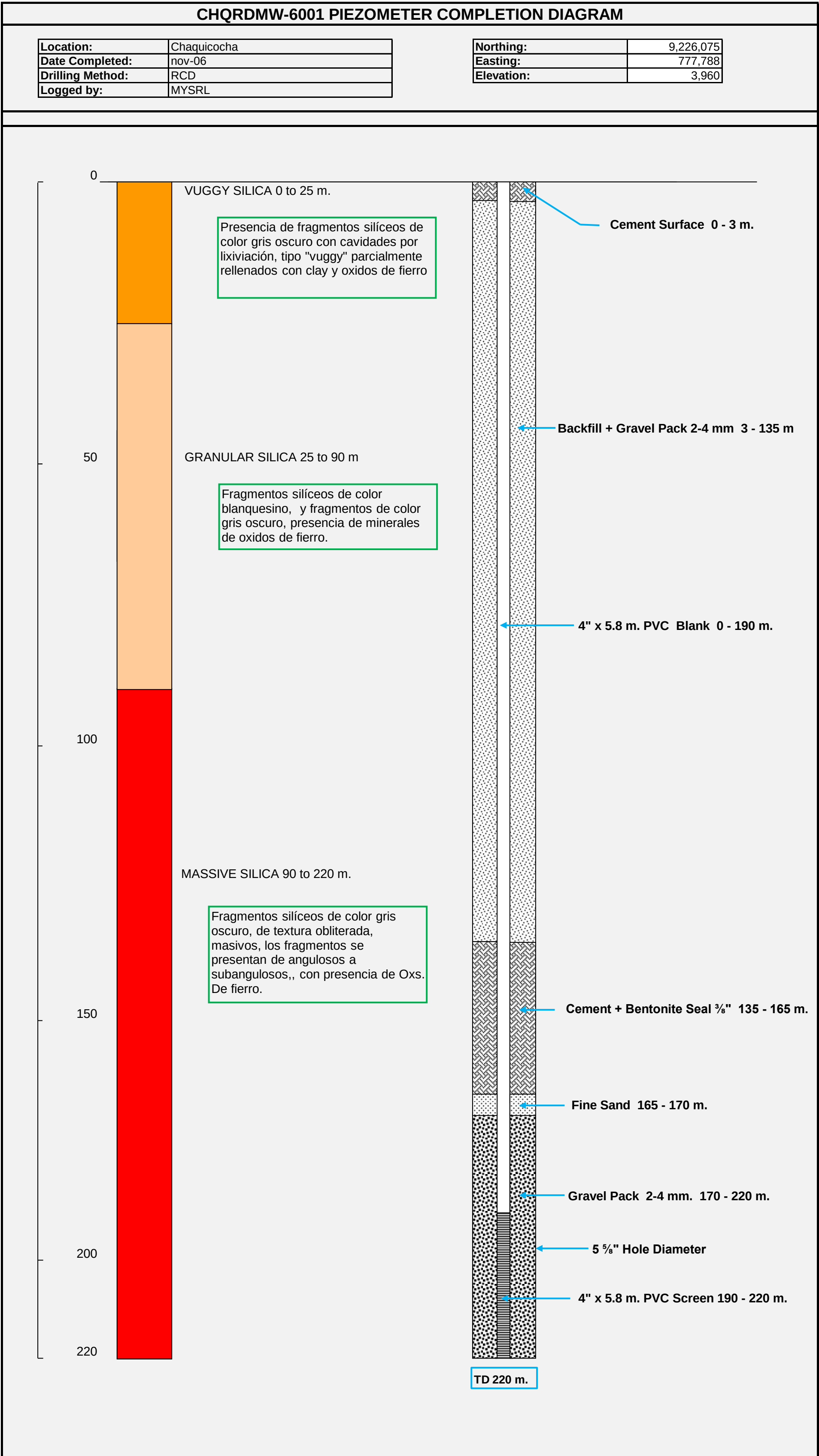


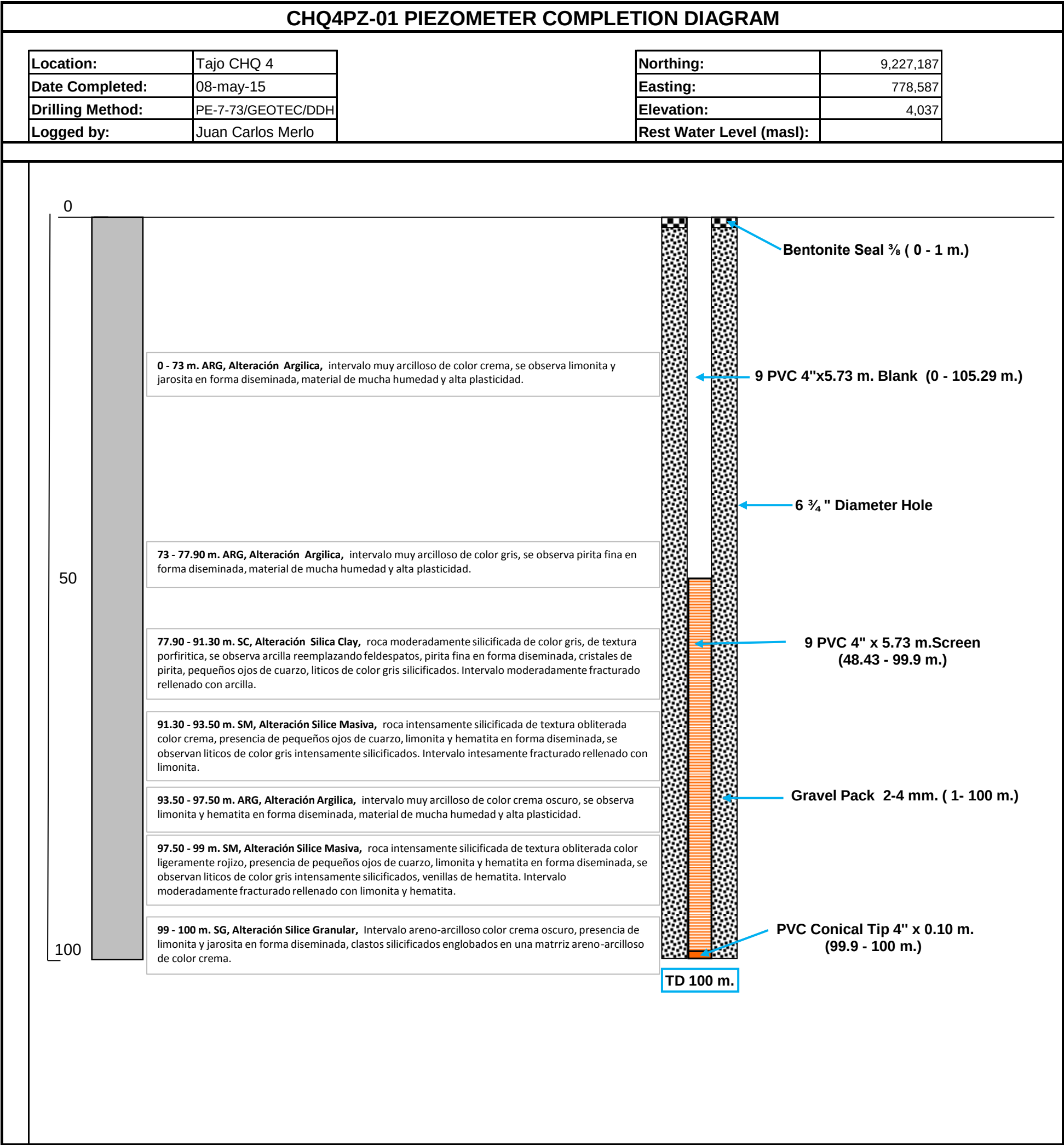
CHQPW-23 WELL COMPLETION DETAILS

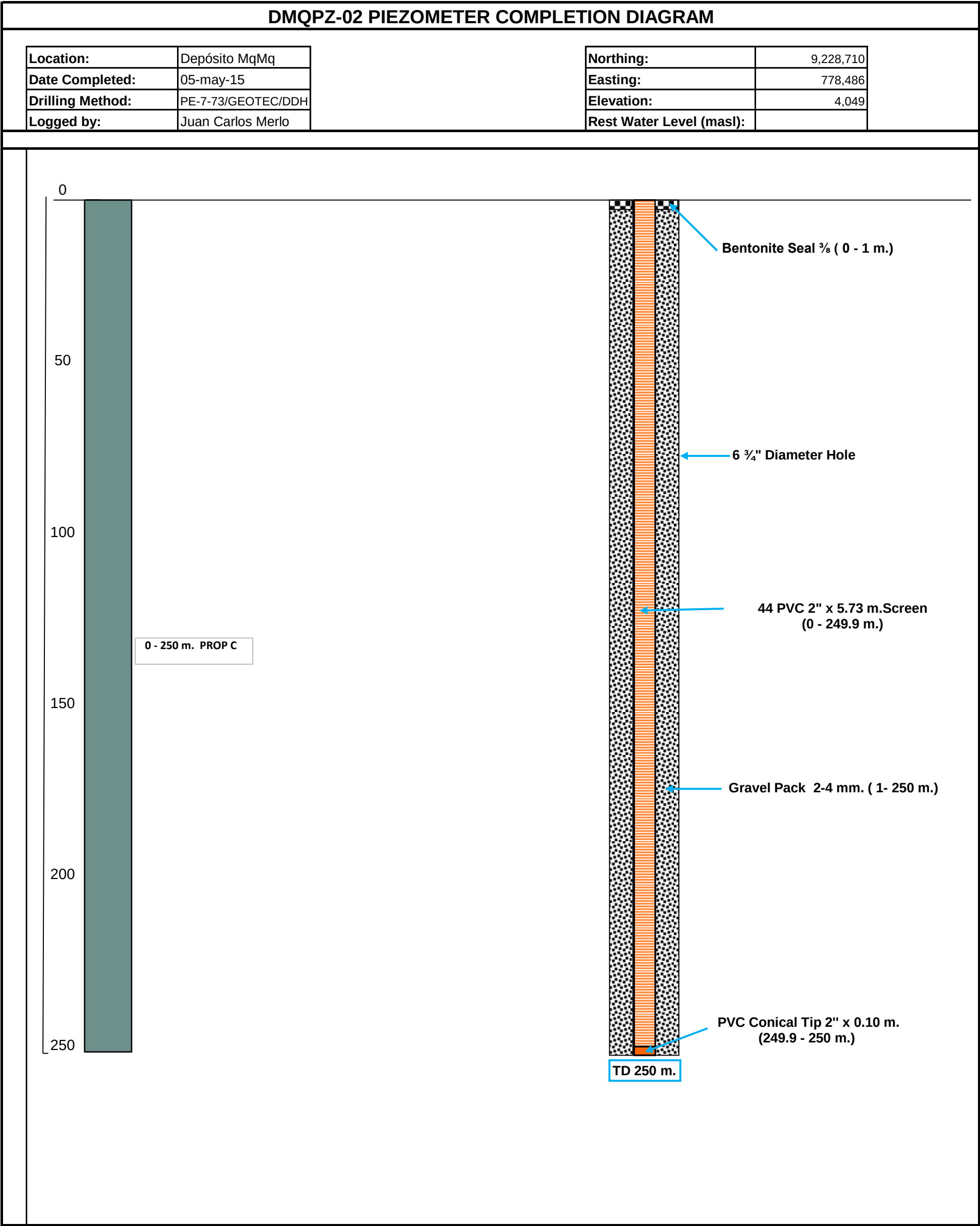
Location:	CHAQUICOCHA
Date Completed:	
Drilling Method:	BLY LK-46 (T-130)
Logged by:	Juan Carlos Merlo Medina

Northing:	9,225,988
Easting:	777,791
Elevation:	3,710
Rest Water Level (masl):	





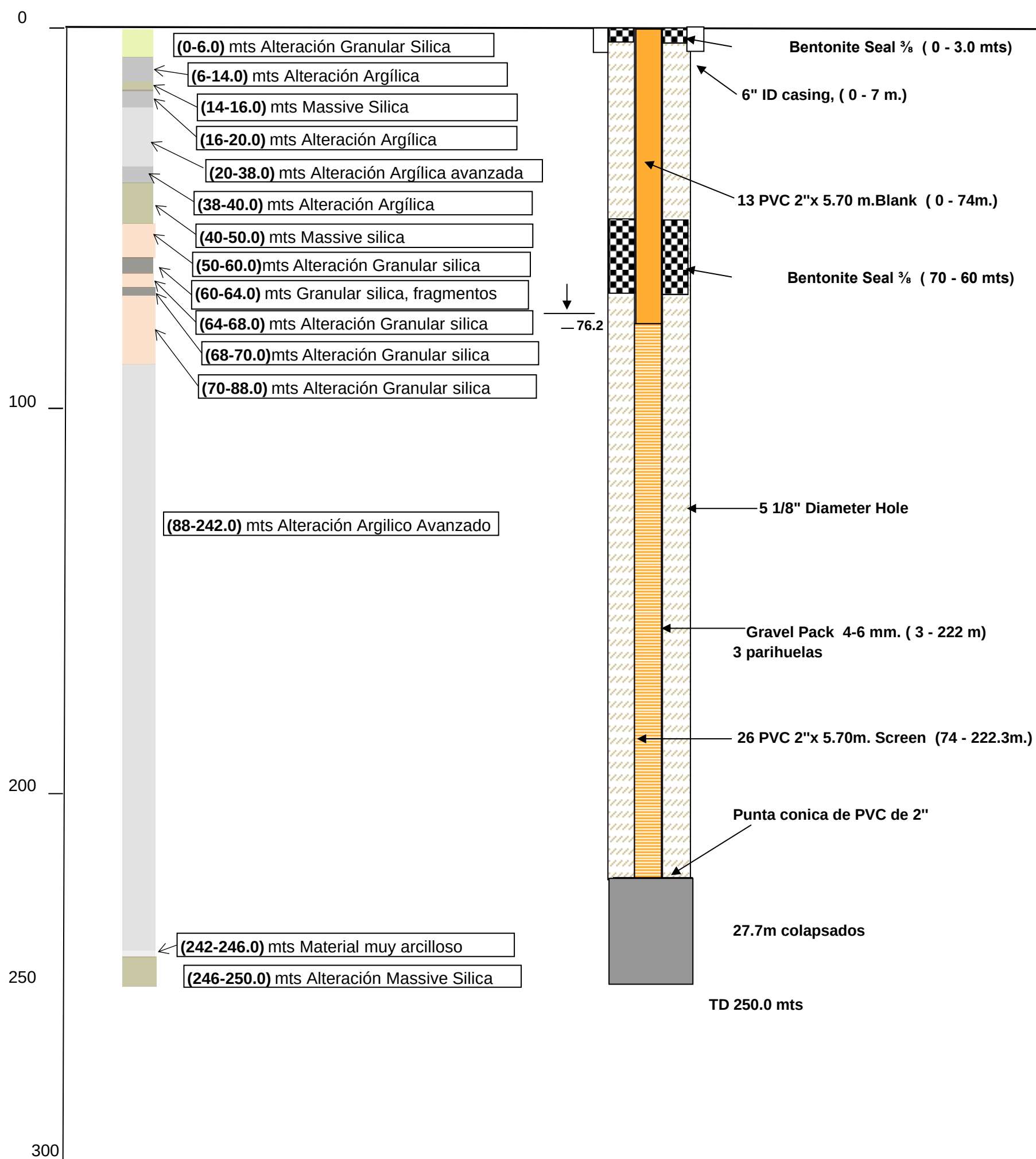


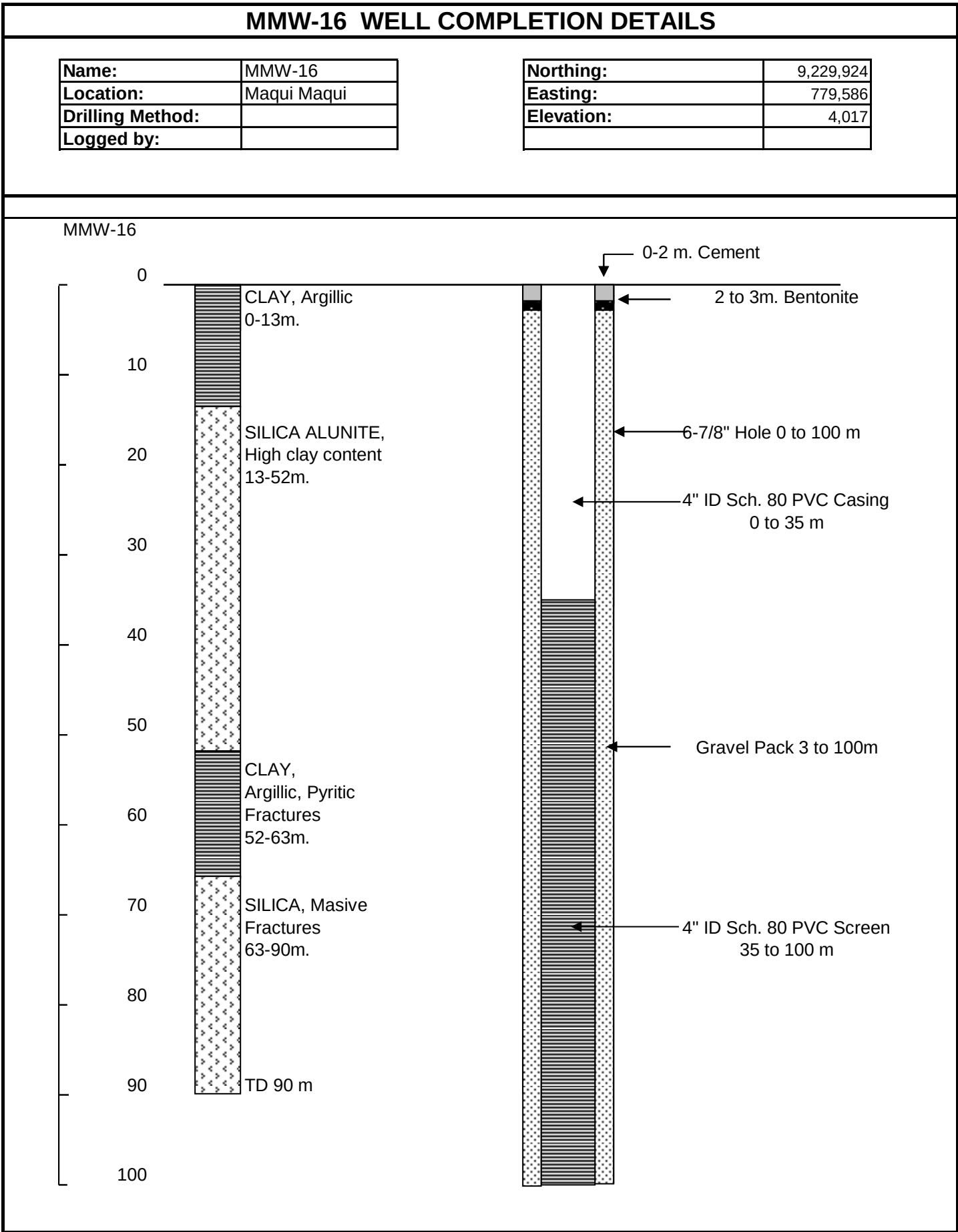


MMADPZ-1102R PIEZOMETER COMPLETION DIAGRAM

Location:	Maqui Maqui
Date Completed:	18-feb-11
Drilling Method:	AKA-RCD
Logged by:	Juan Carlos Merlo Medina

Northing:	9,230,971.00
Easting:	778,901.00
Elevation:	4,050.11
Rest Water Level (masl):	3,973.91

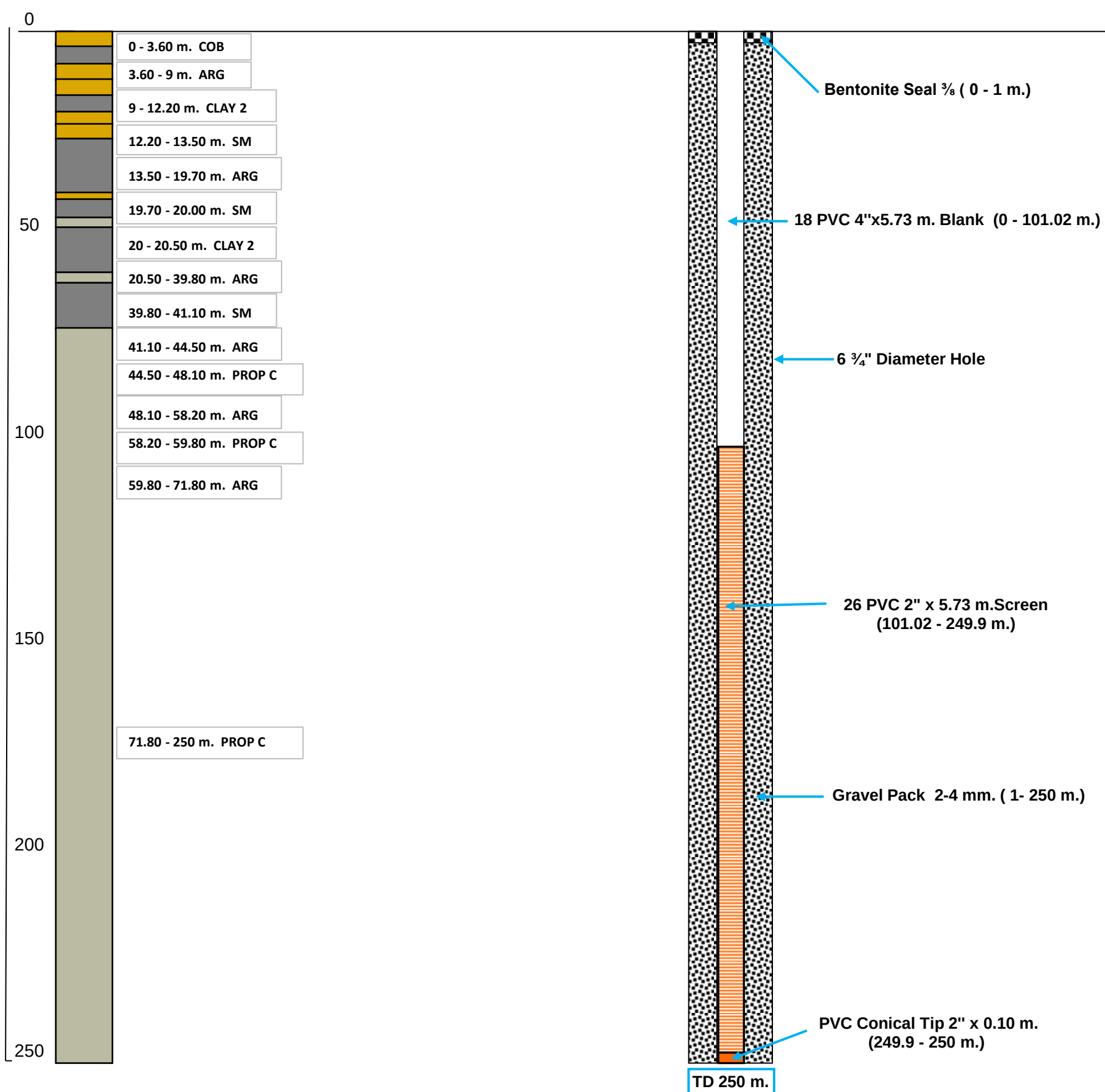


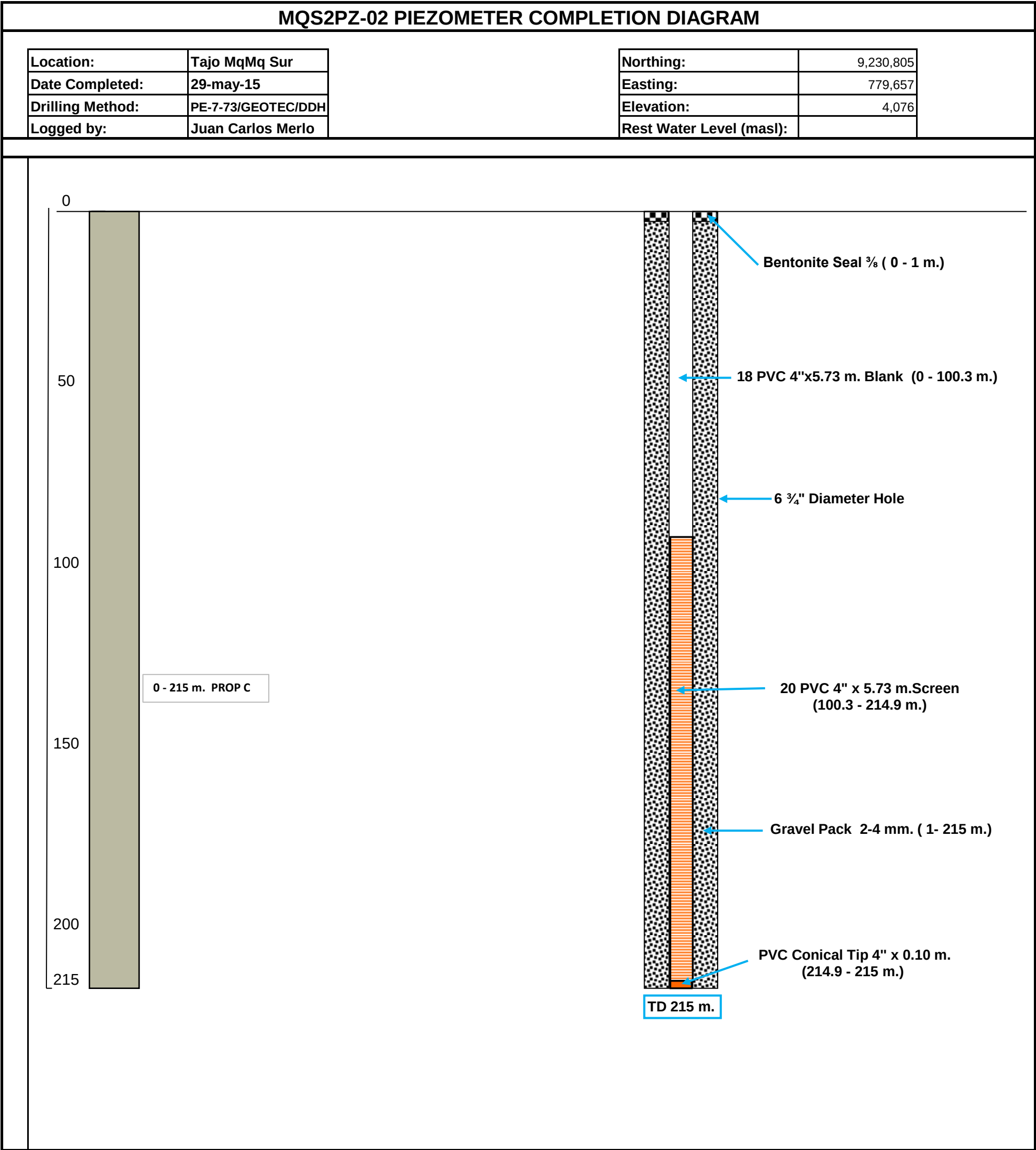


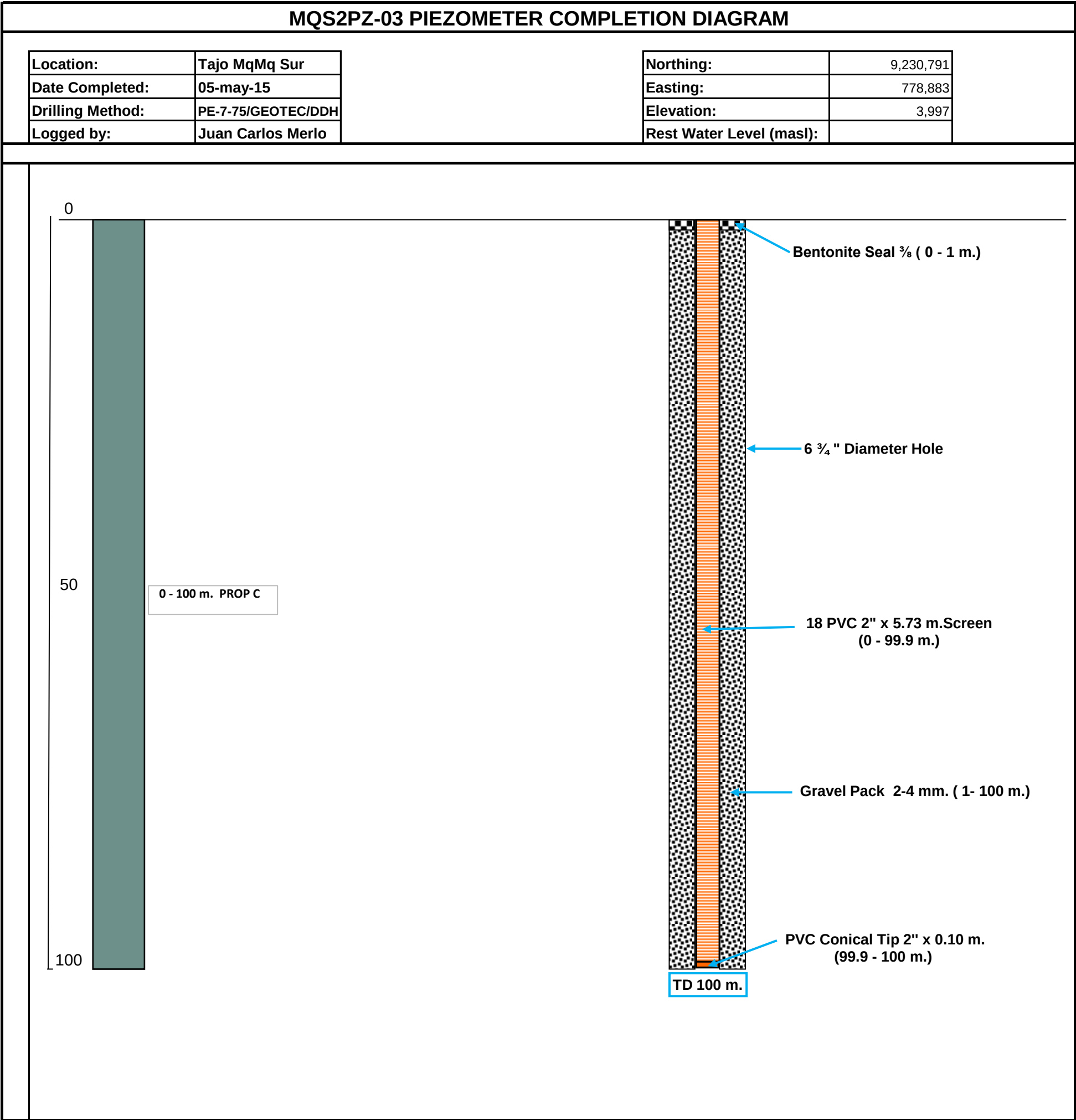
MQS2PZ-01 PIEZOMETER COMPLETION DIAGRAM

Location:	Tajo MqMq Sur
Date Completed:	05-may-15
Drilling Method:	PE-7-73/GEOTEC/DDH
Logged by:	Juan Carlos Merlo

Northing:	9,231,016
Easting:	779,179
Elevation:	4,104
Rest Water Level (masl):	



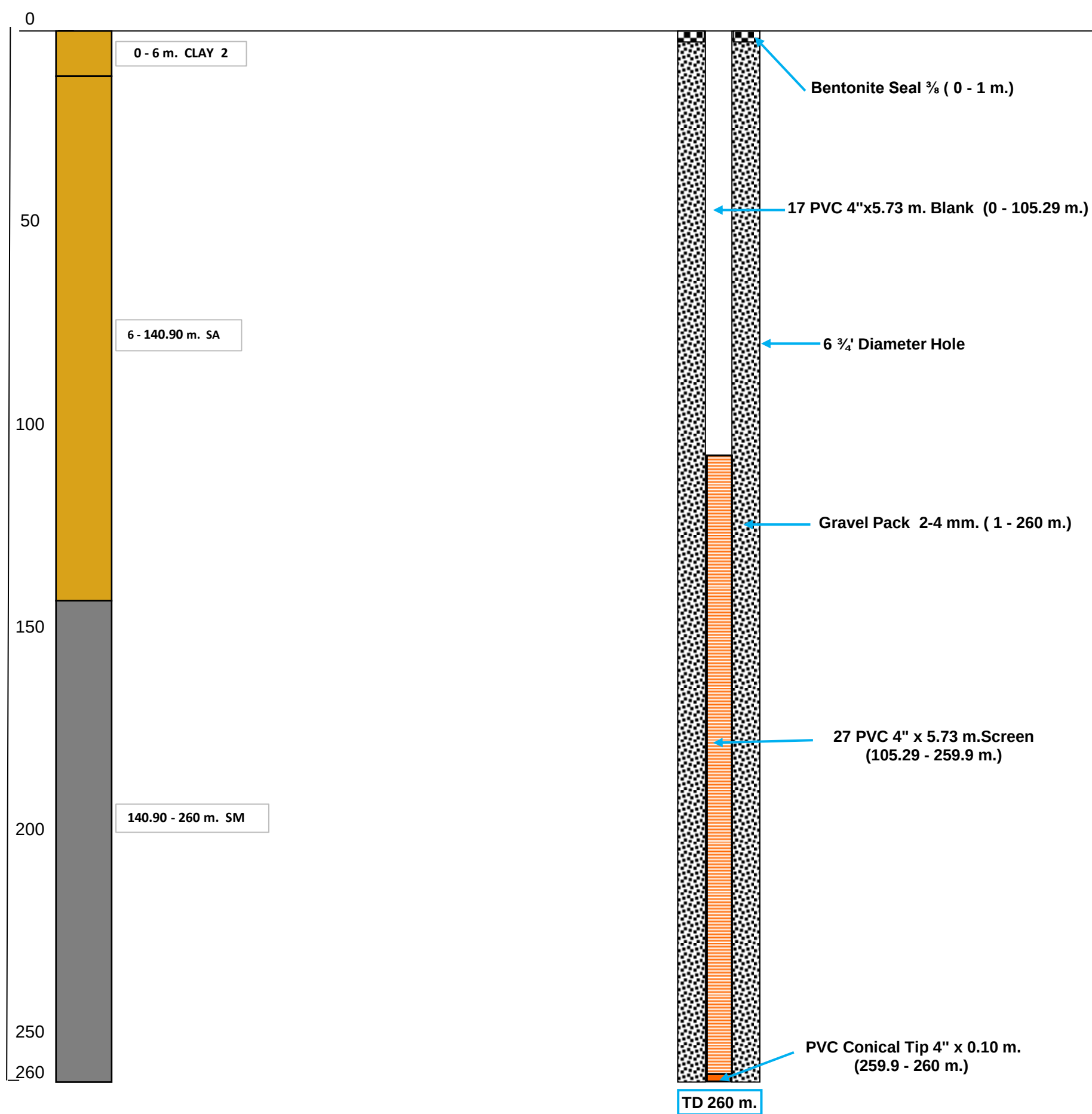


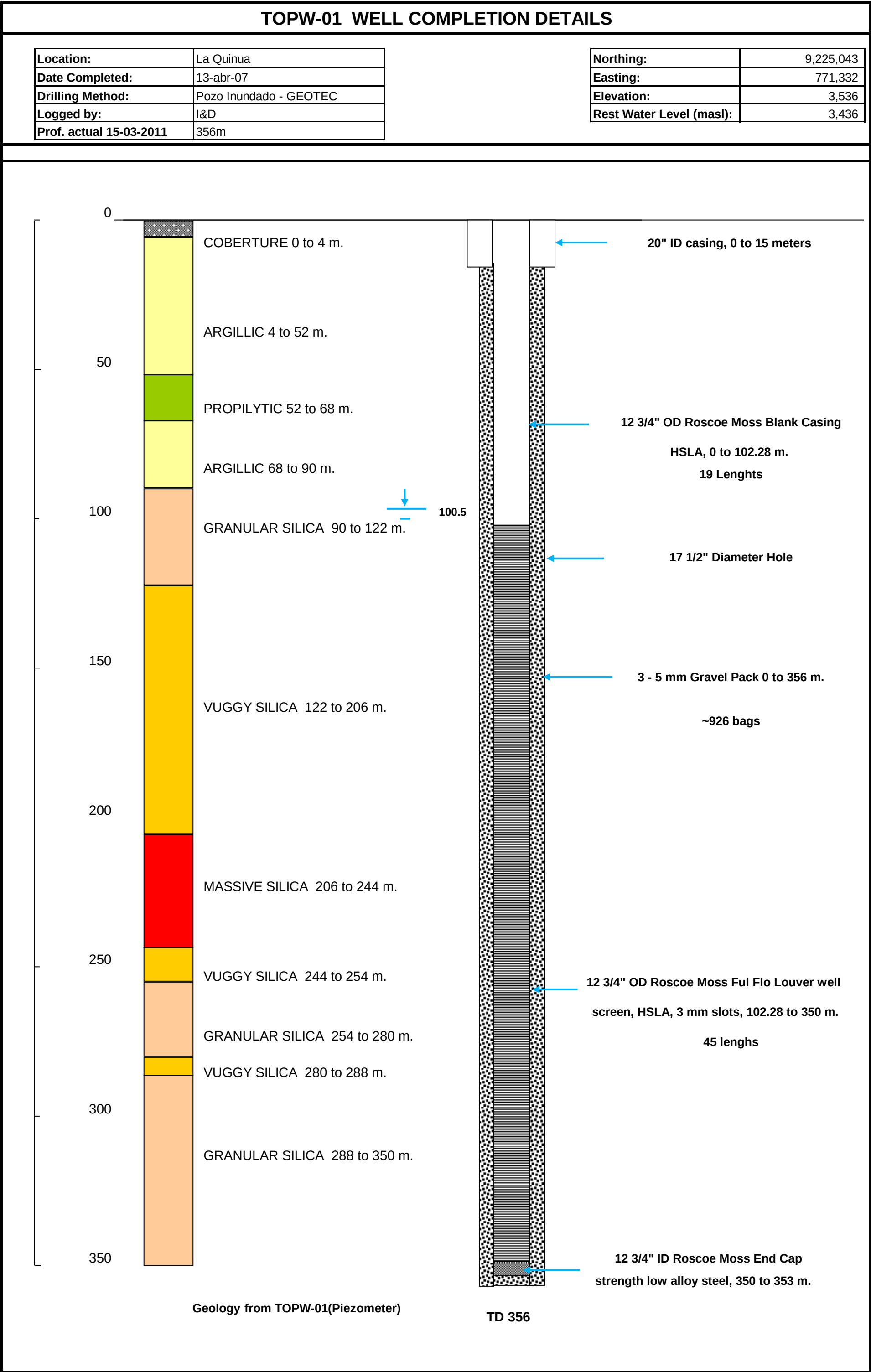


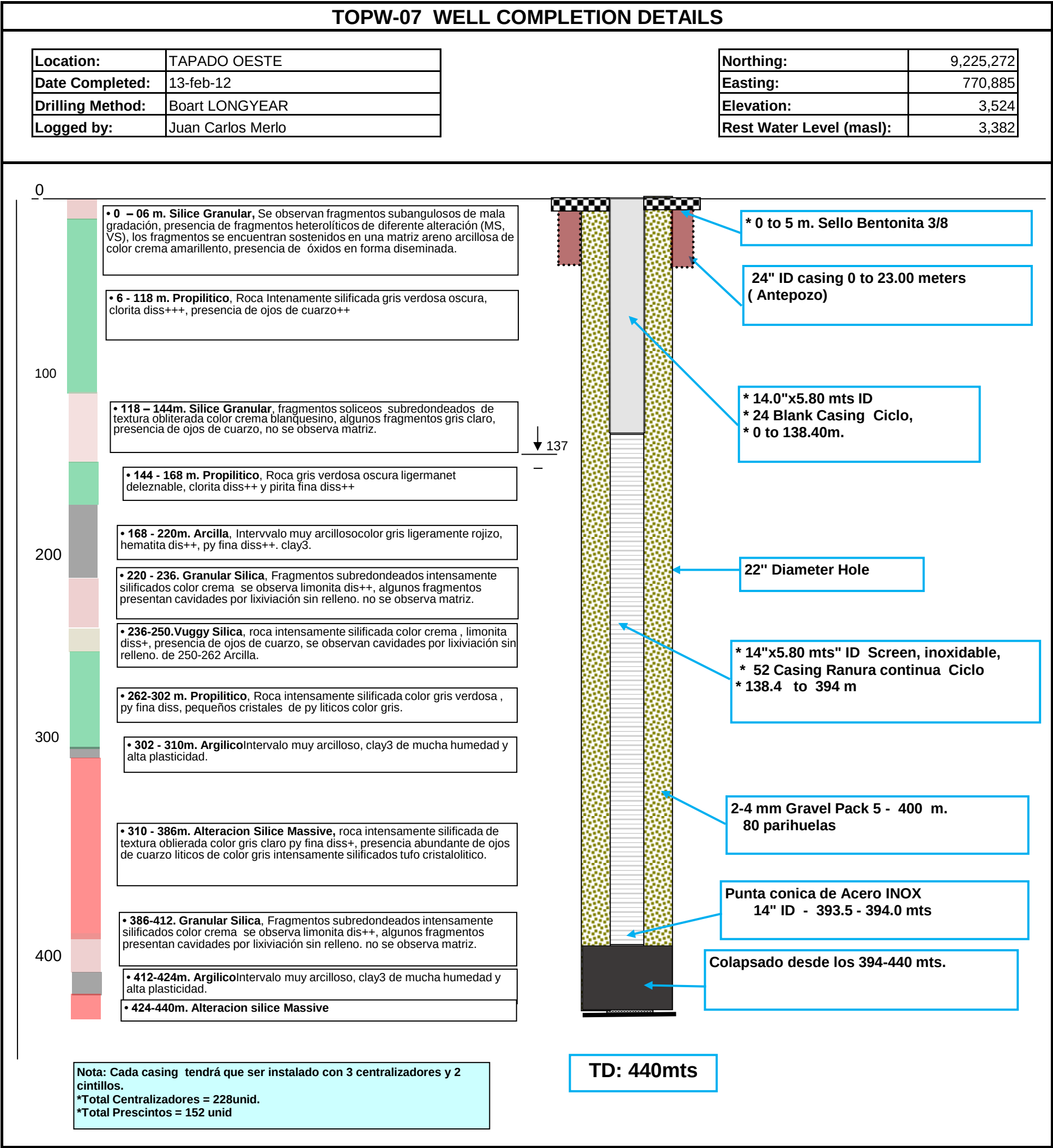
MSJ2PZ-03 PIEZOMETER COMPLETION DIAGRAM

Location:	Marleny
Date Completed:	20-abr-15
Drilling Method:	PE-7-75/GEOTEC/DDH
Logged by:	Juan Carlos Merlo

Northing:	9,225,994
Easting:	775,712
Elevation:	3,884
Rest Water Level (masl):	



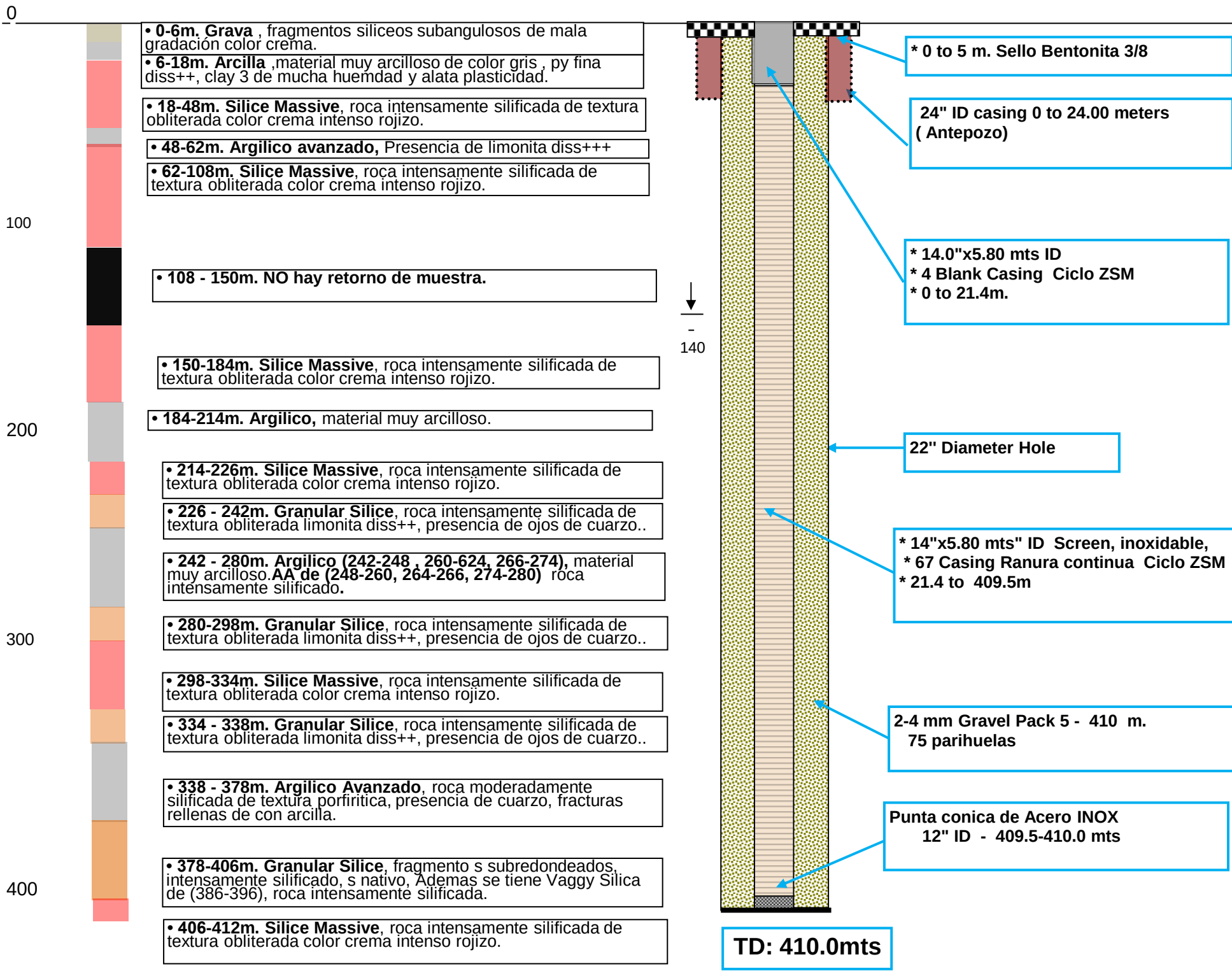




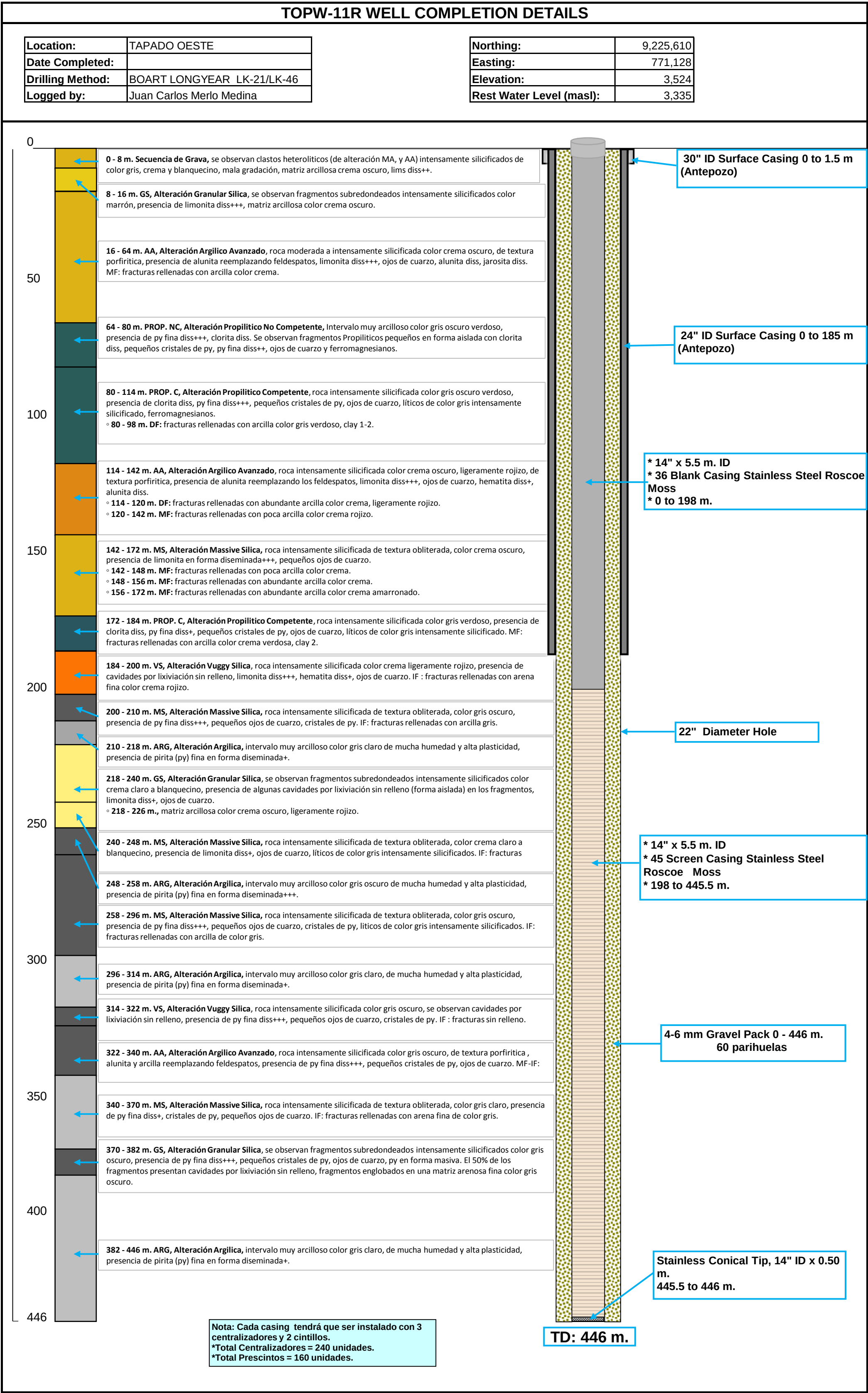
TOPW-08 WELL COMPLETION DETAILS

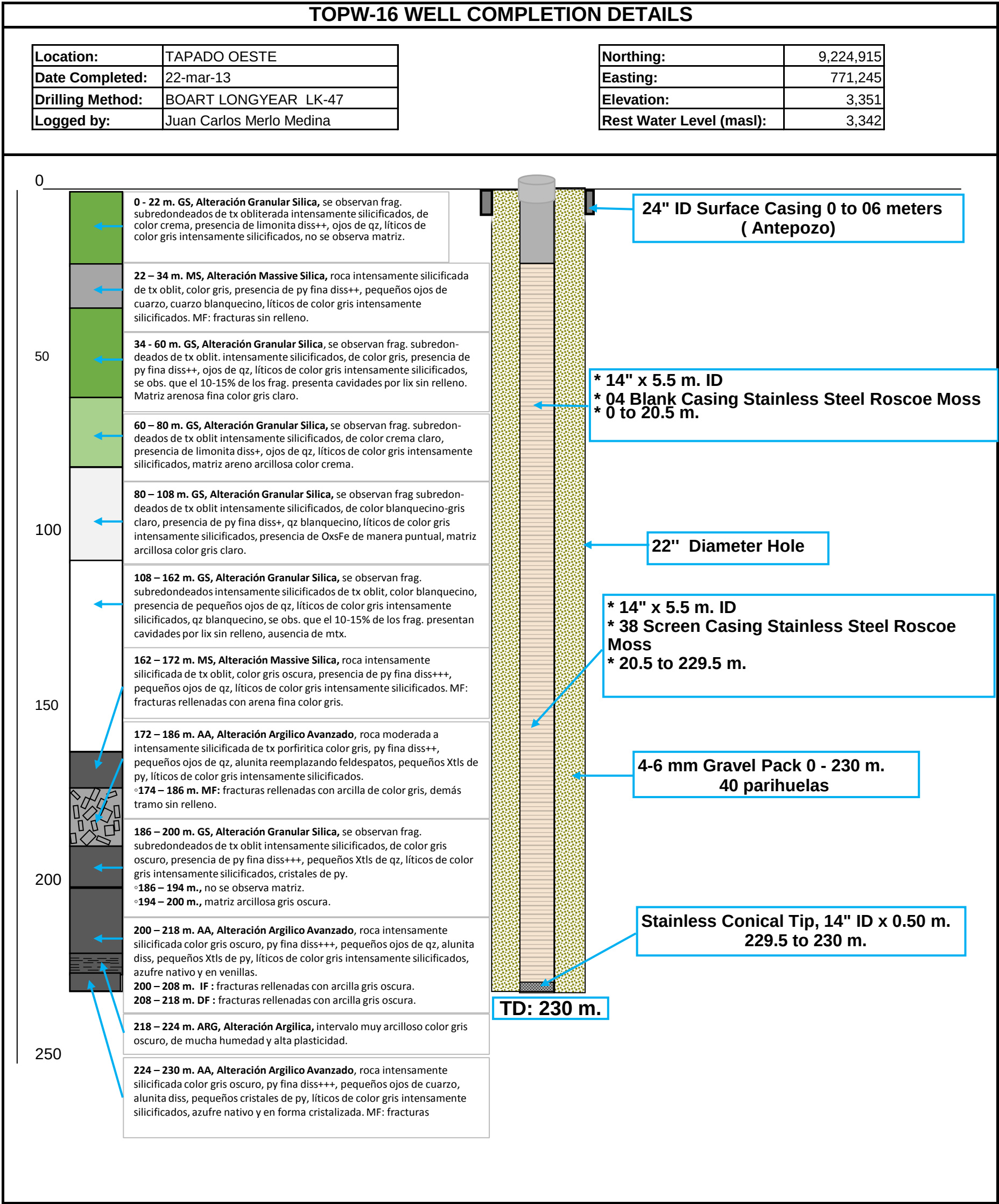
Location:	Tapado Oeste
Date Completed:	09-abr-12
Drilling Method:	Boart LONGYEAR - LK-46
Logged by:	JC Merlo

Northing:	9,225,160
Easting:	770,883
Elevation:	3,517
Rest Water Level (masl):	3,377



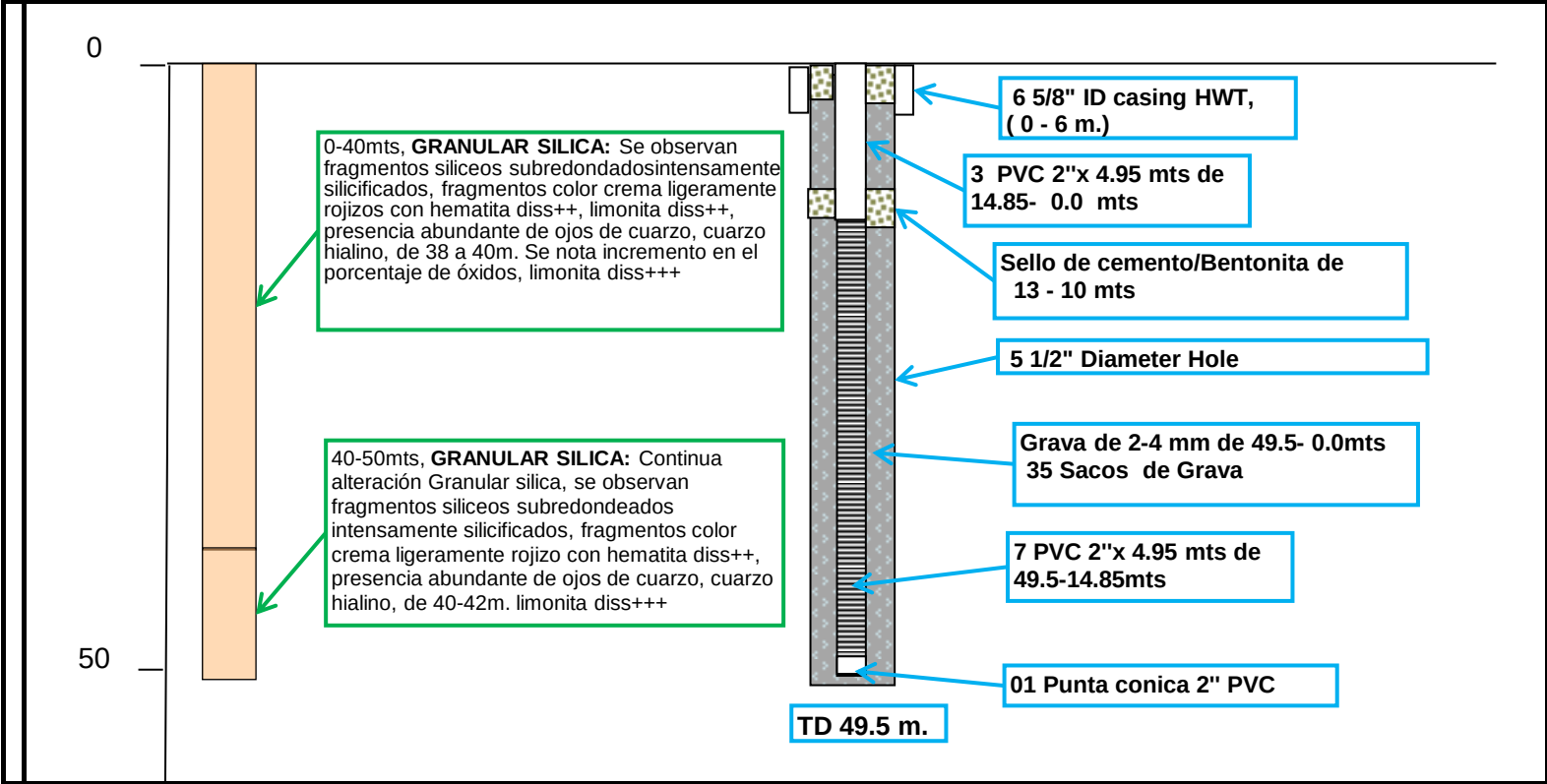
Nota: Cada casing tendrá que ser instalado con 3 centralizadores y 2 cintillos.
*Total Centralizadores = 213unid.
*Total Prescintos = 142 unid





CNADPZ-1103 COMPLETION DIAGRAM

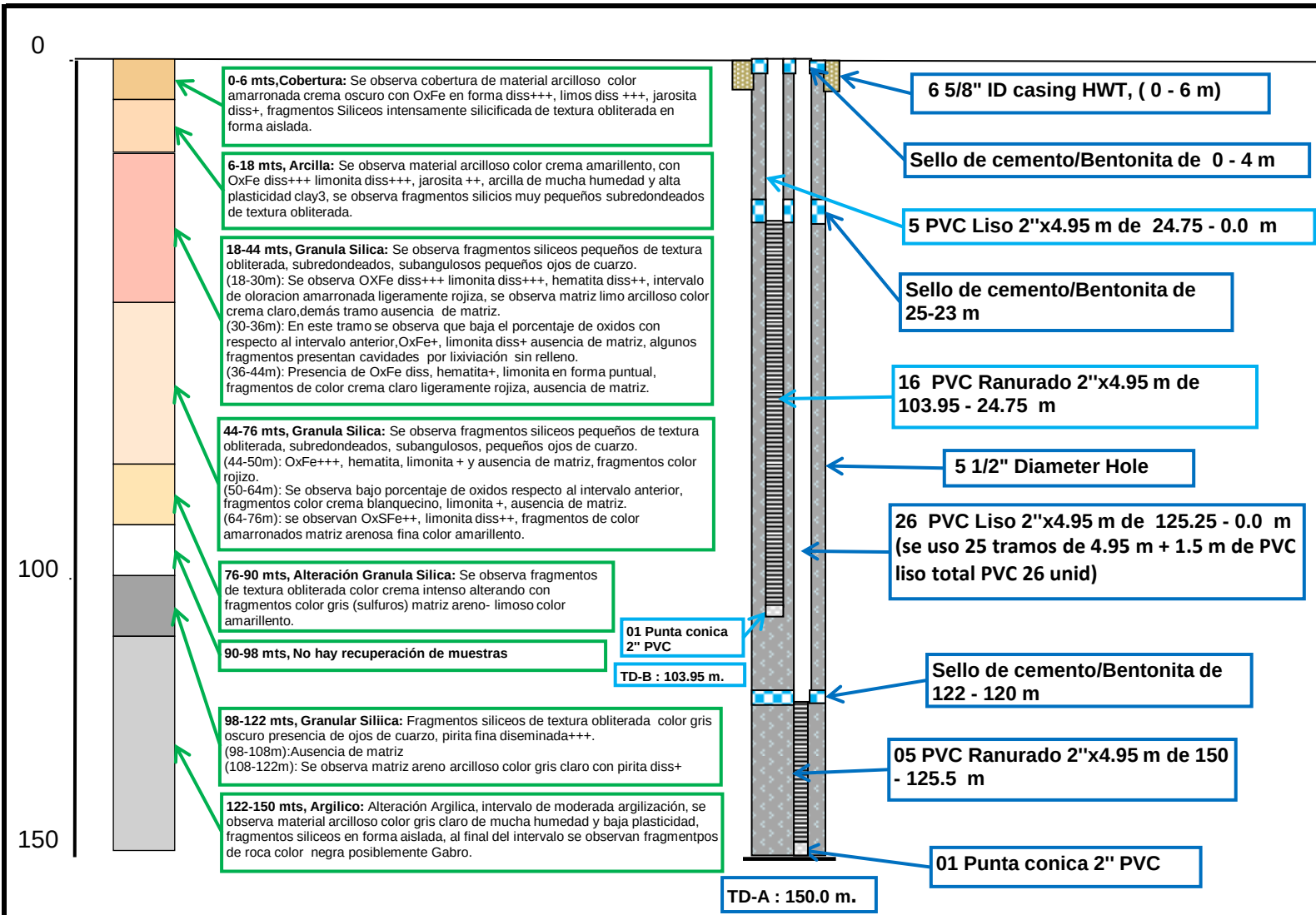
Location:	Cerro Negro	Northing:	9,224,780
Date Completed:	19-jul-11	Easting:	766,987
Drilling Method:		Elevation:	3,628
Logged by:		Rest Water Level (masl):	



CNADPZ-1107 COMPLETION DIAGRAM

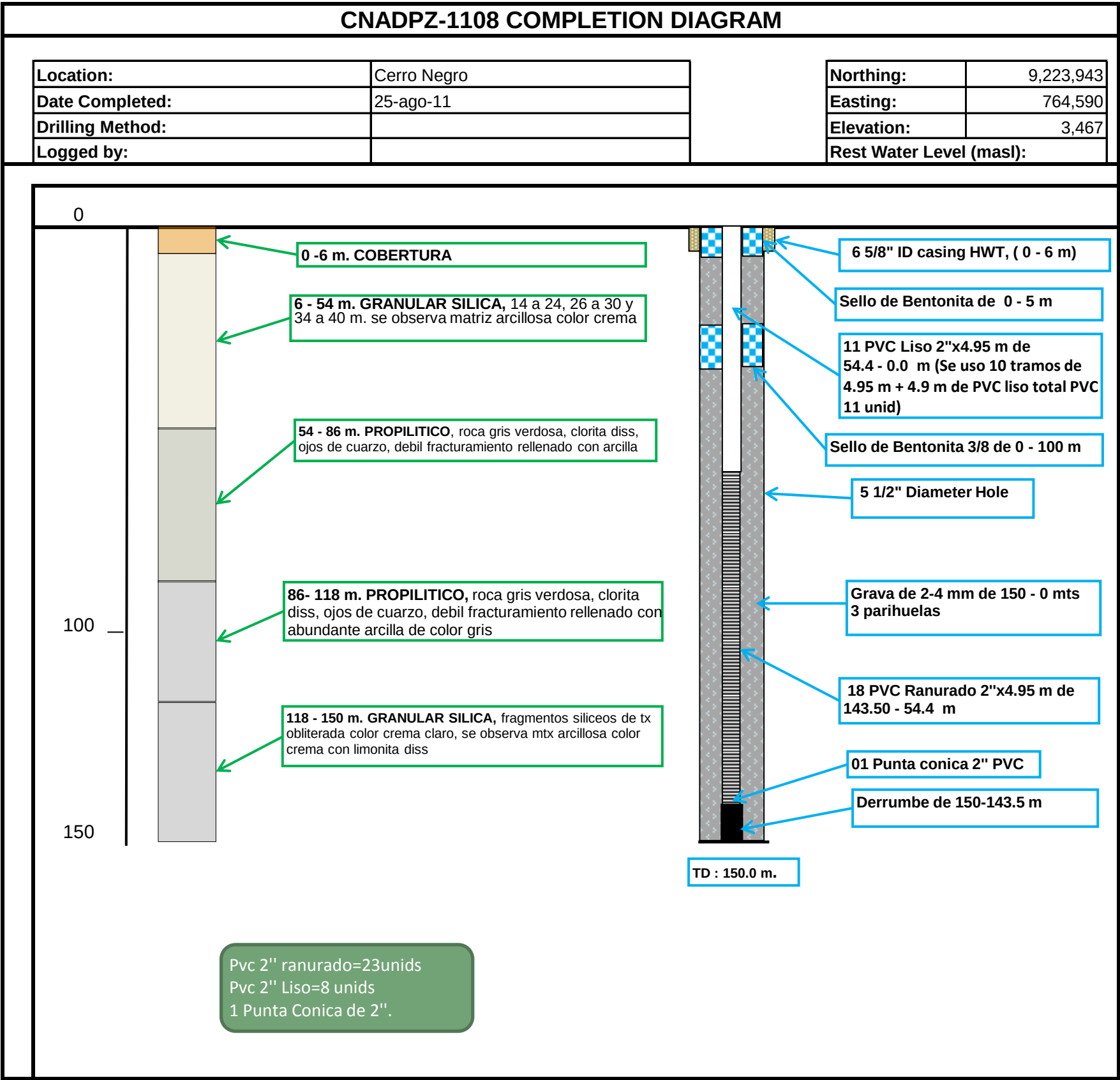
Location:	Cerro Negro
Date Completed:	22-jul-11
Drilling Method:	
Logged by:	

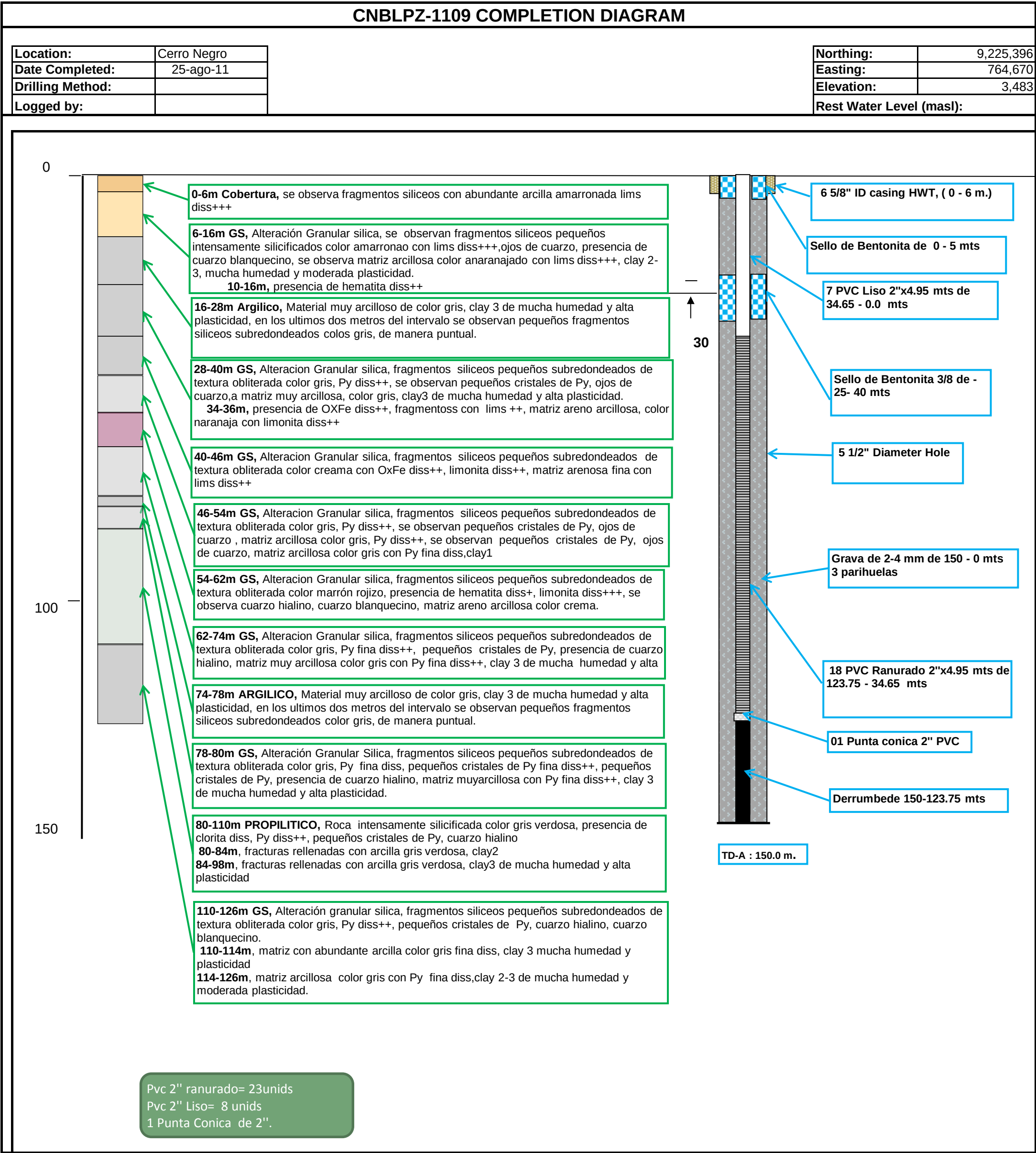
Northing:	9,223,441
Easting:	766,468
Elevation:	3,728
Rest Water Level (masl):	

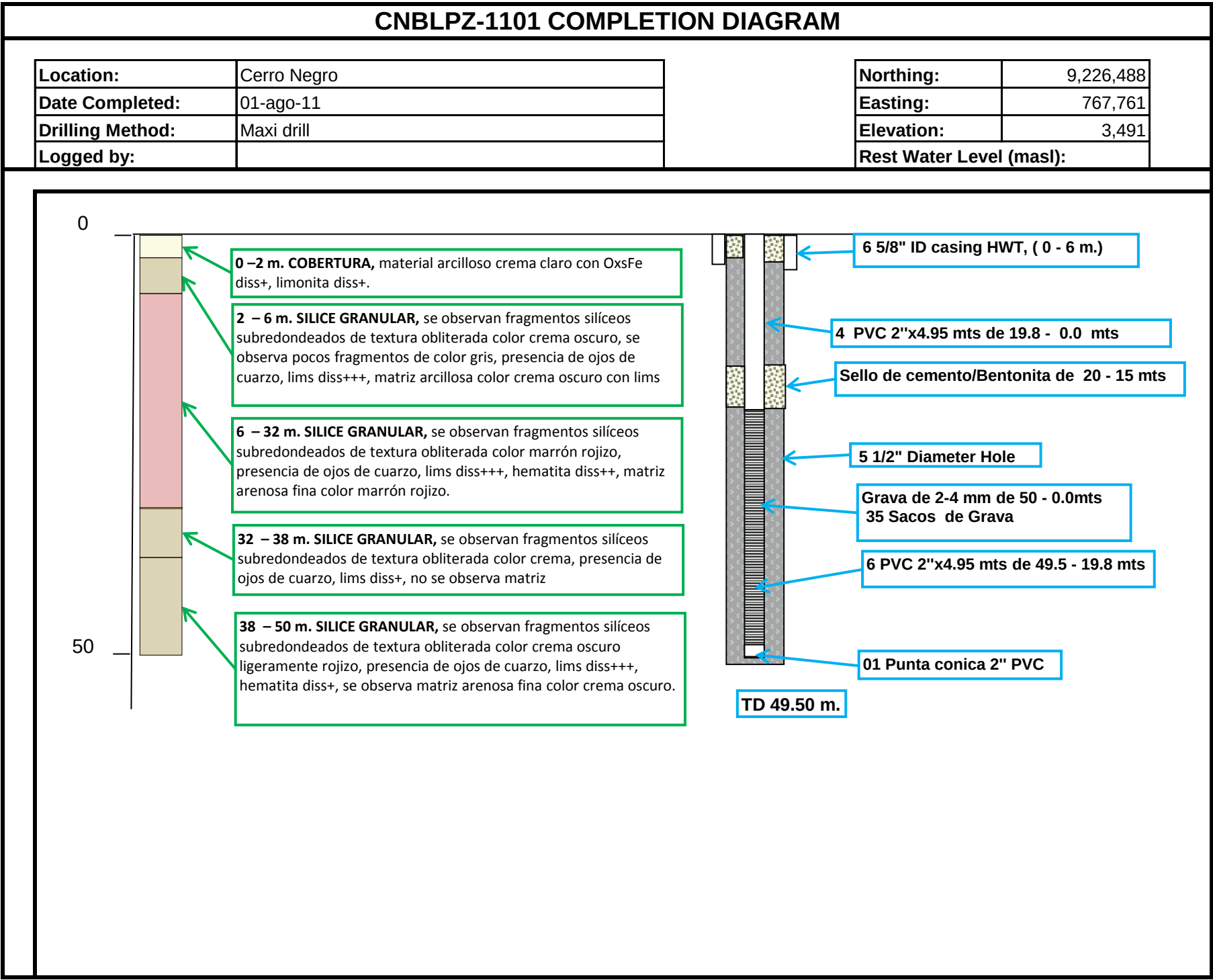


Pvc 2" ranurado=22unids
 Pvc 2" Liso=34 unids
 2 Punta Conica de 2".

NOTA: TENER EN CUENTA QUE LA CANTIDAD DE PVC SE CUENTA DESDE ABAJO HACIA ARRIBA Y CUANDO SE REQUIERE UNO O DOS METROS DEL ULTIMO PVC SE CONSIDERA COMO ENTERO EL PVC.



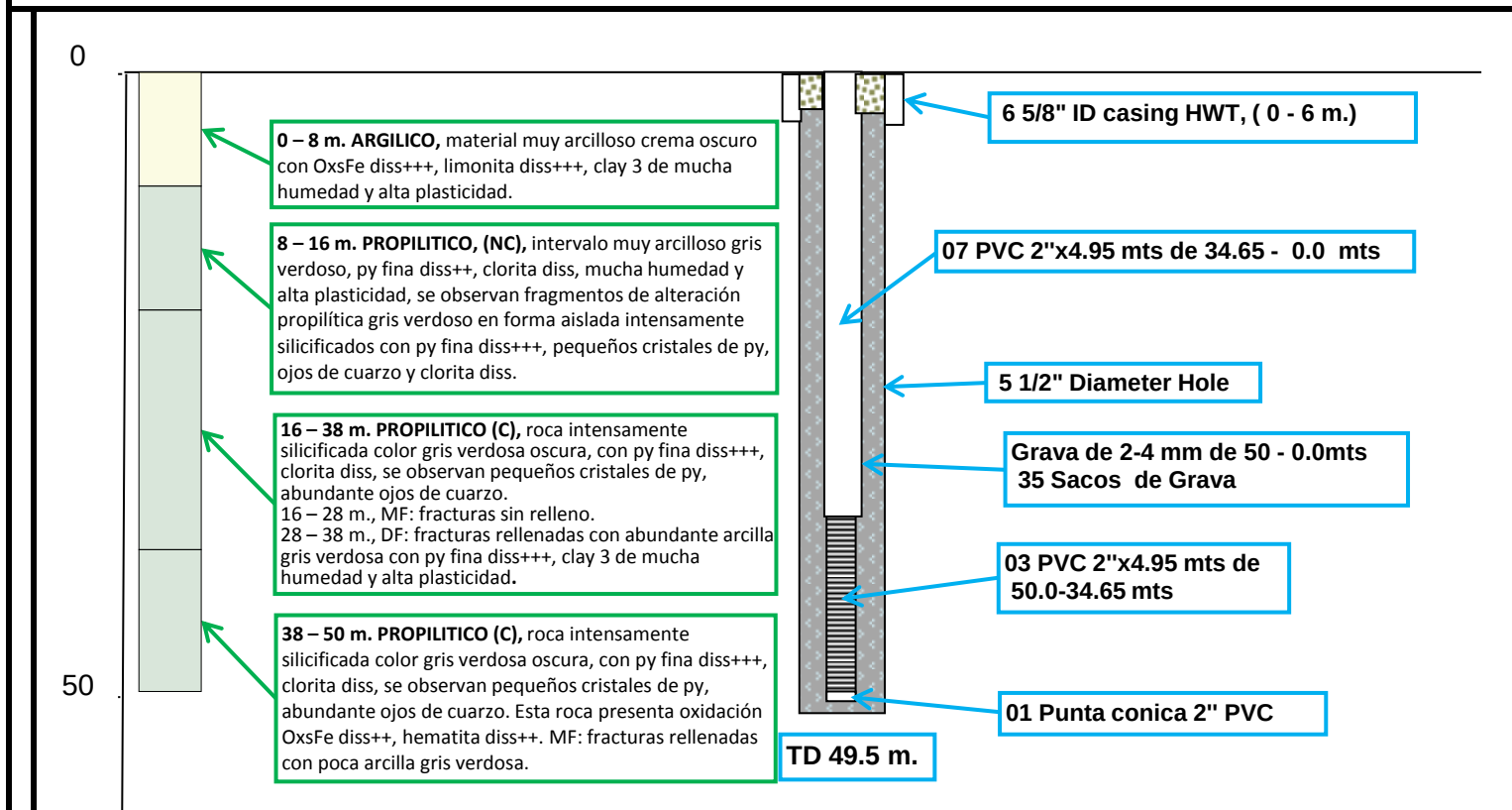


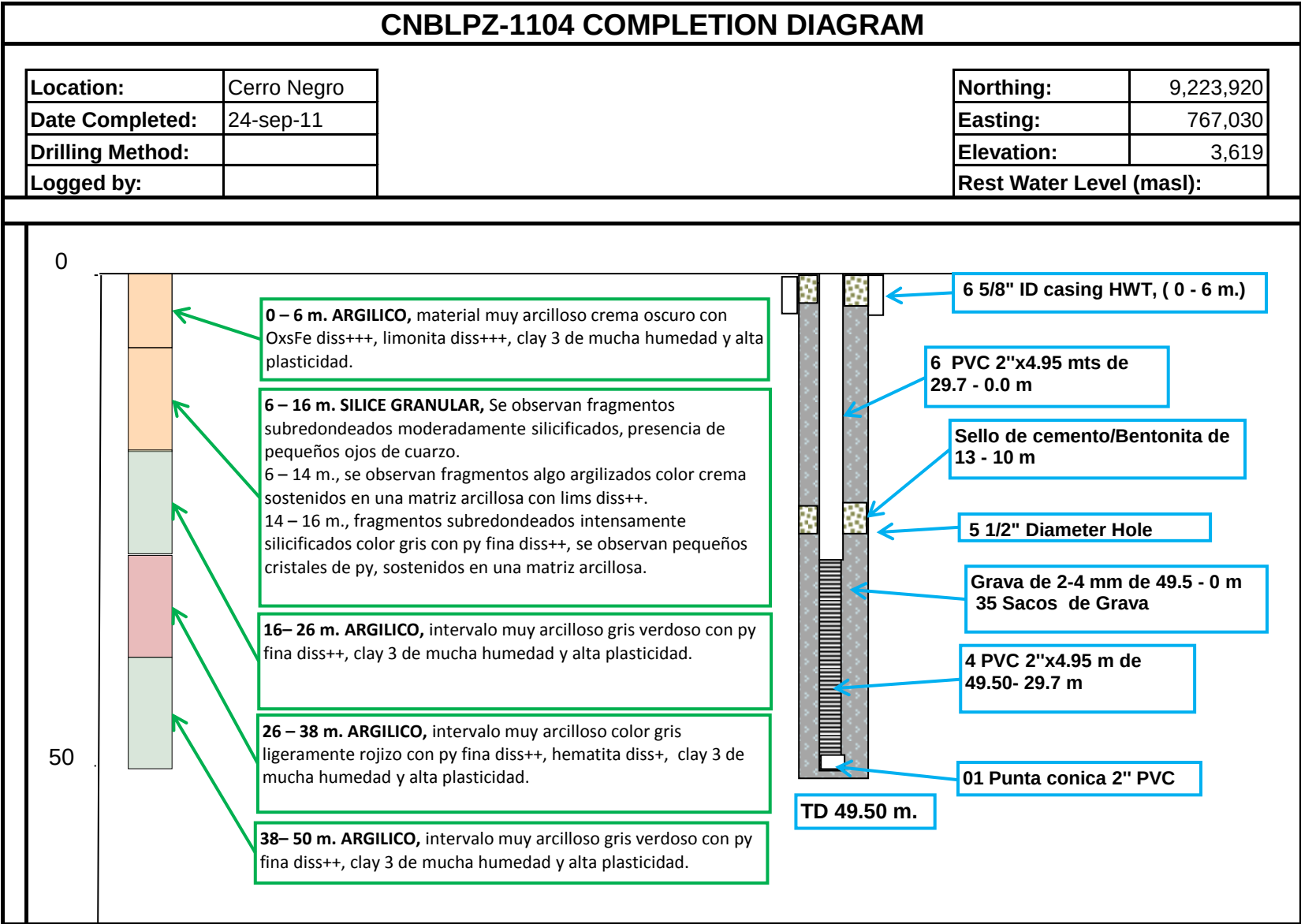


CNBLPZ-1102 COMPLETION DIAGRAM

Location:	Cerro Negro
Date Completed:	27-sep-11
Drilling Method:	
Logged by:	

Northing:	9,223,445
Easting:	767,740
Elevation:	3,545
Rest Water Level (masl):	

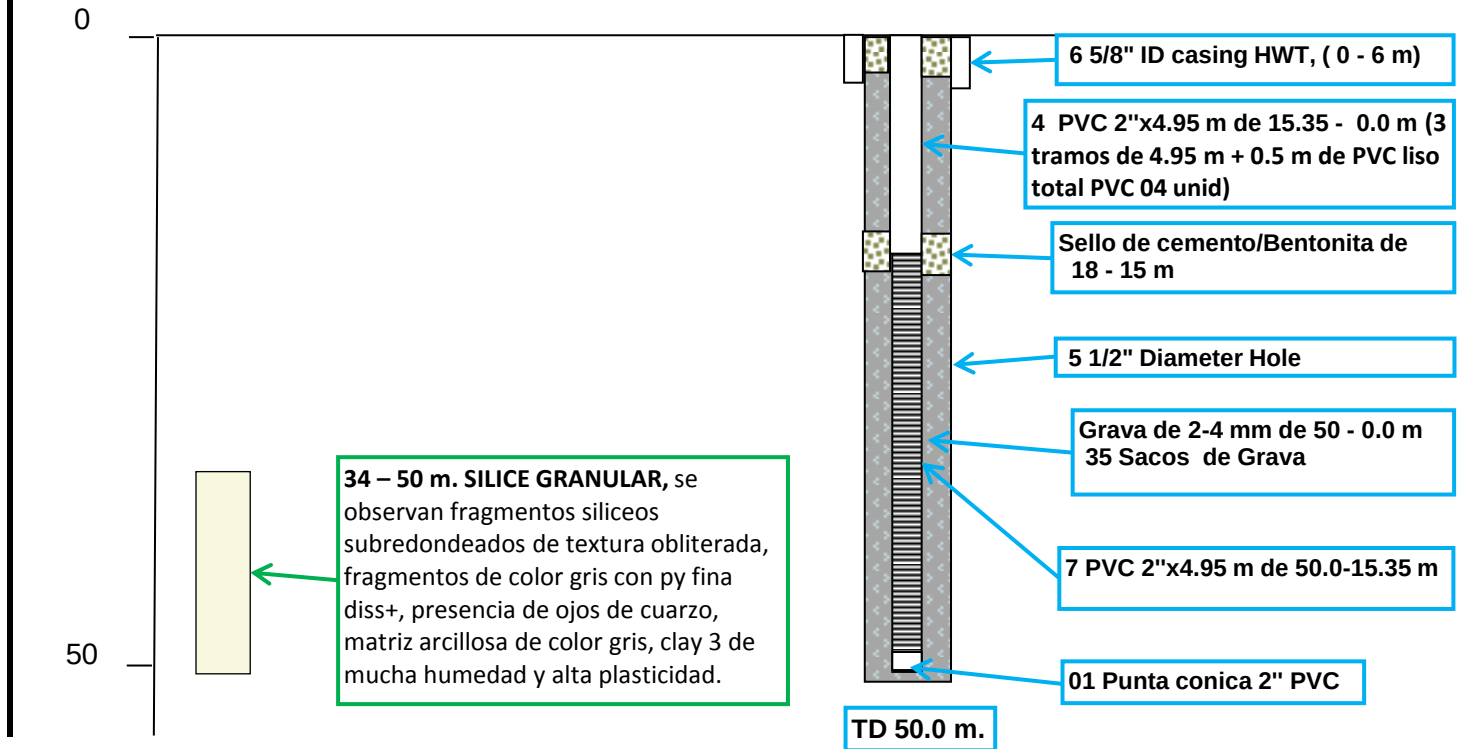


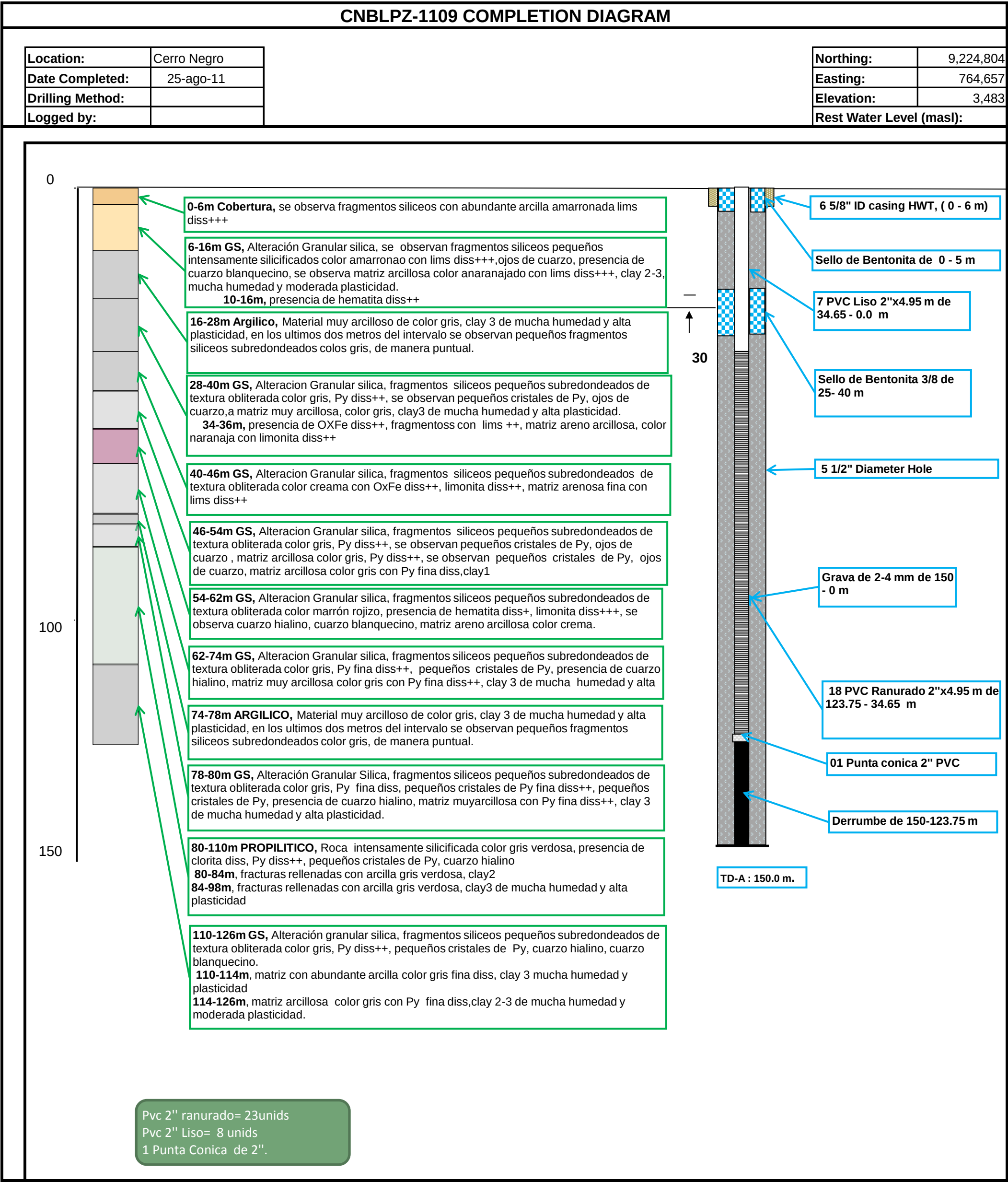


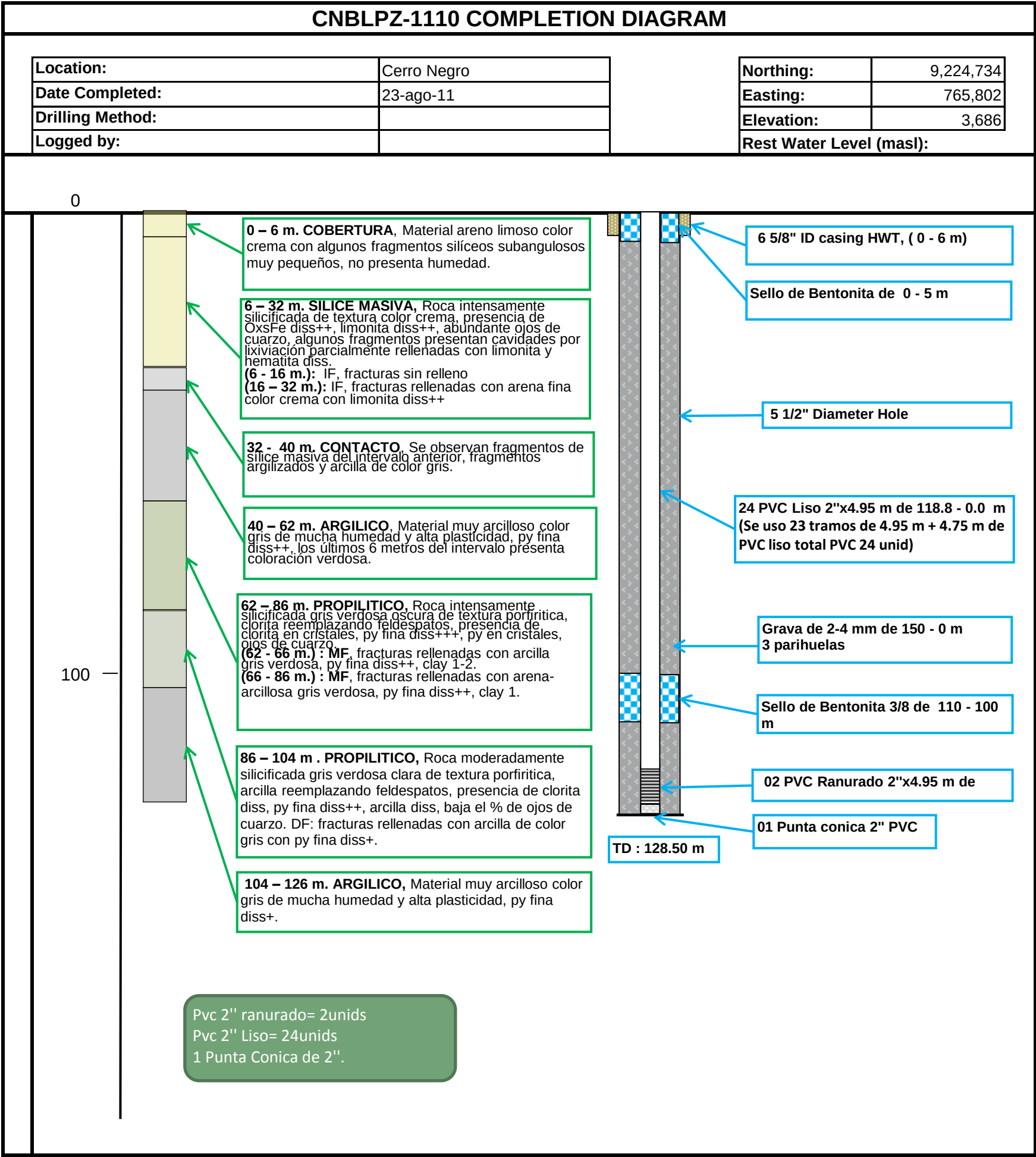
CNBLPZ-1106 COMPLETION DIAGRAM

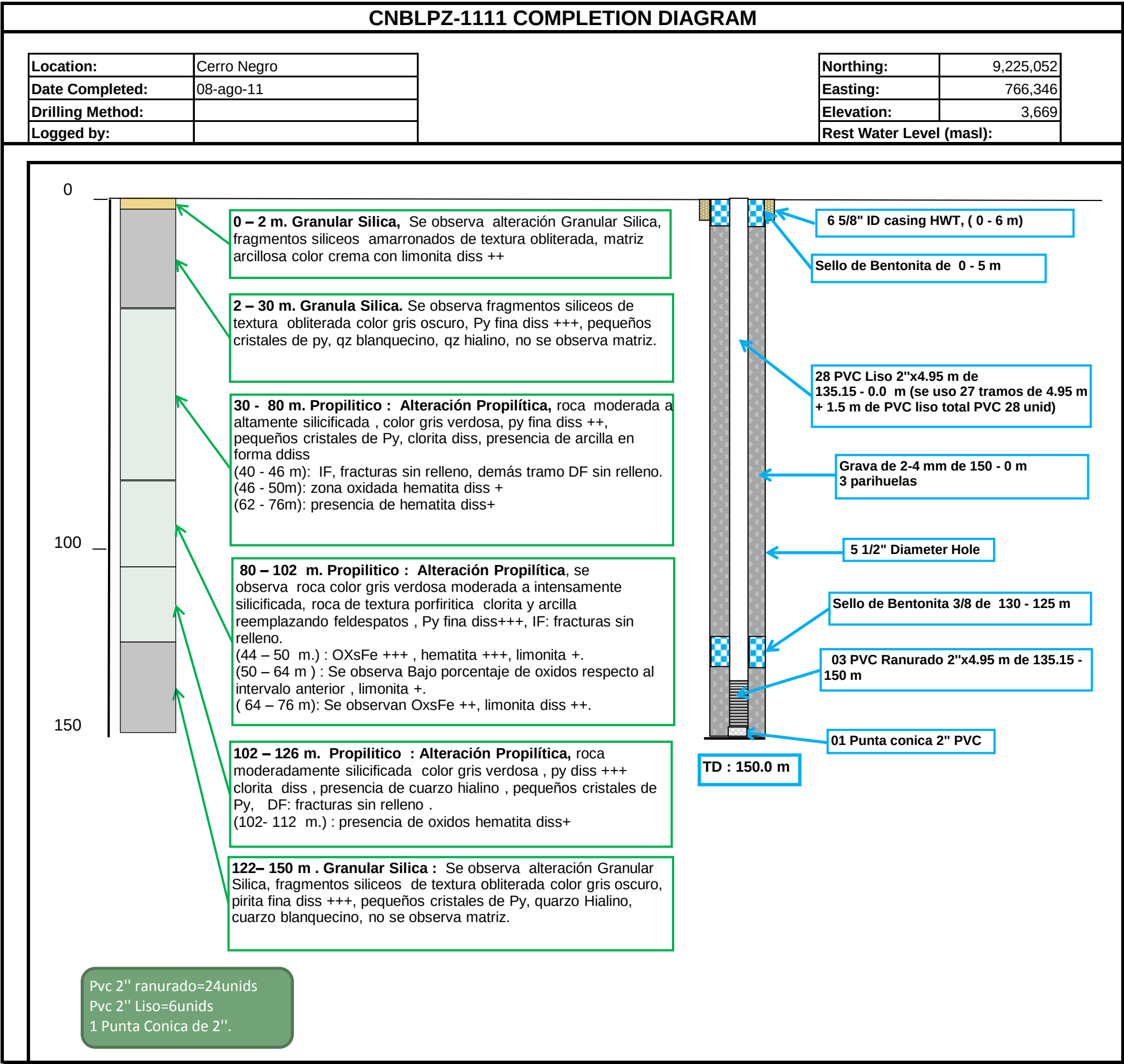
Location:	Cerro Negro
Date Completed:	26-jul-11
Drilling Method:	Maxdrill
Logged by:	

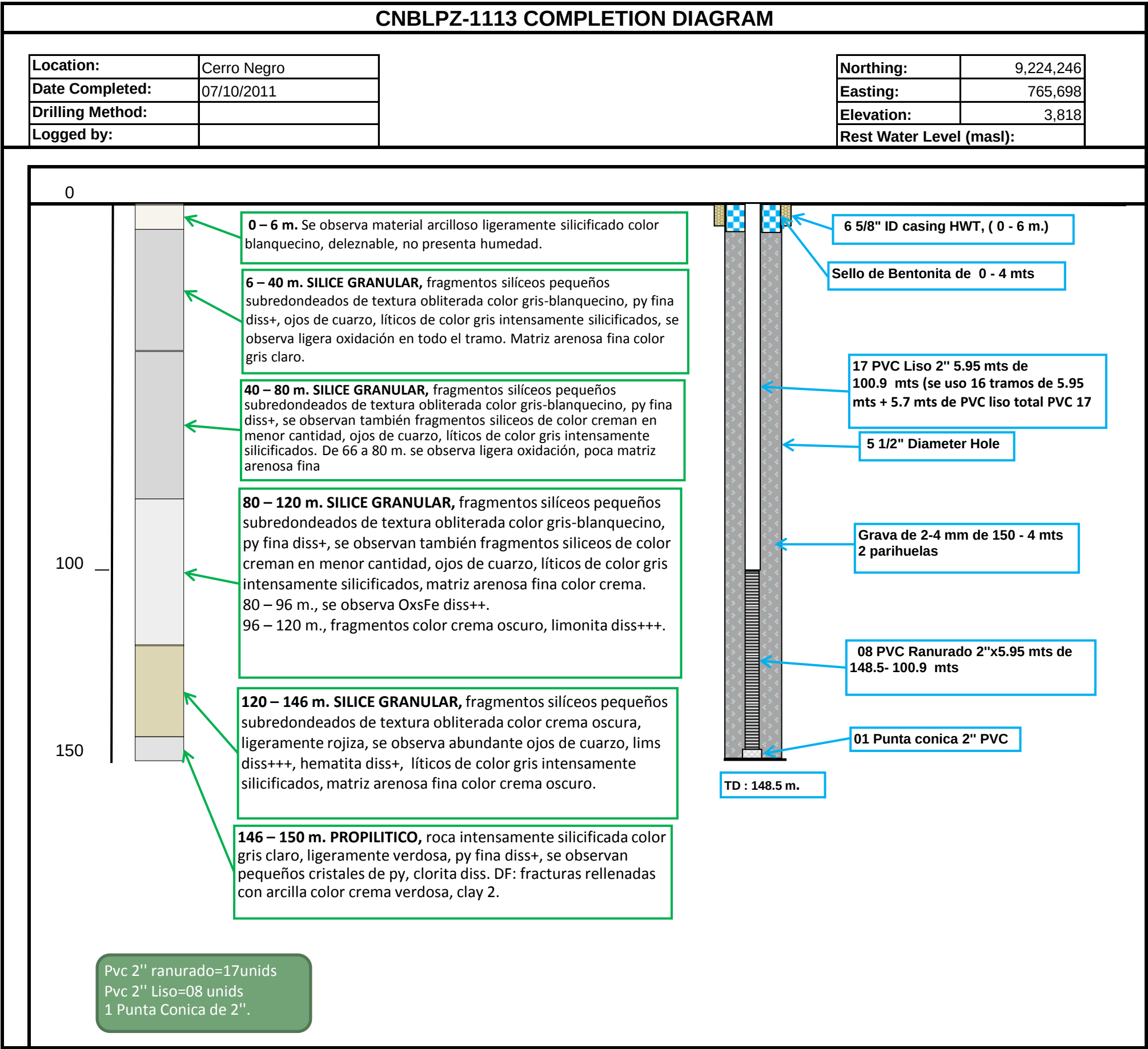
Northing:	9,223,062
Easting:	766,717
Elevation:	3,654
Rest Water Level (masl):	

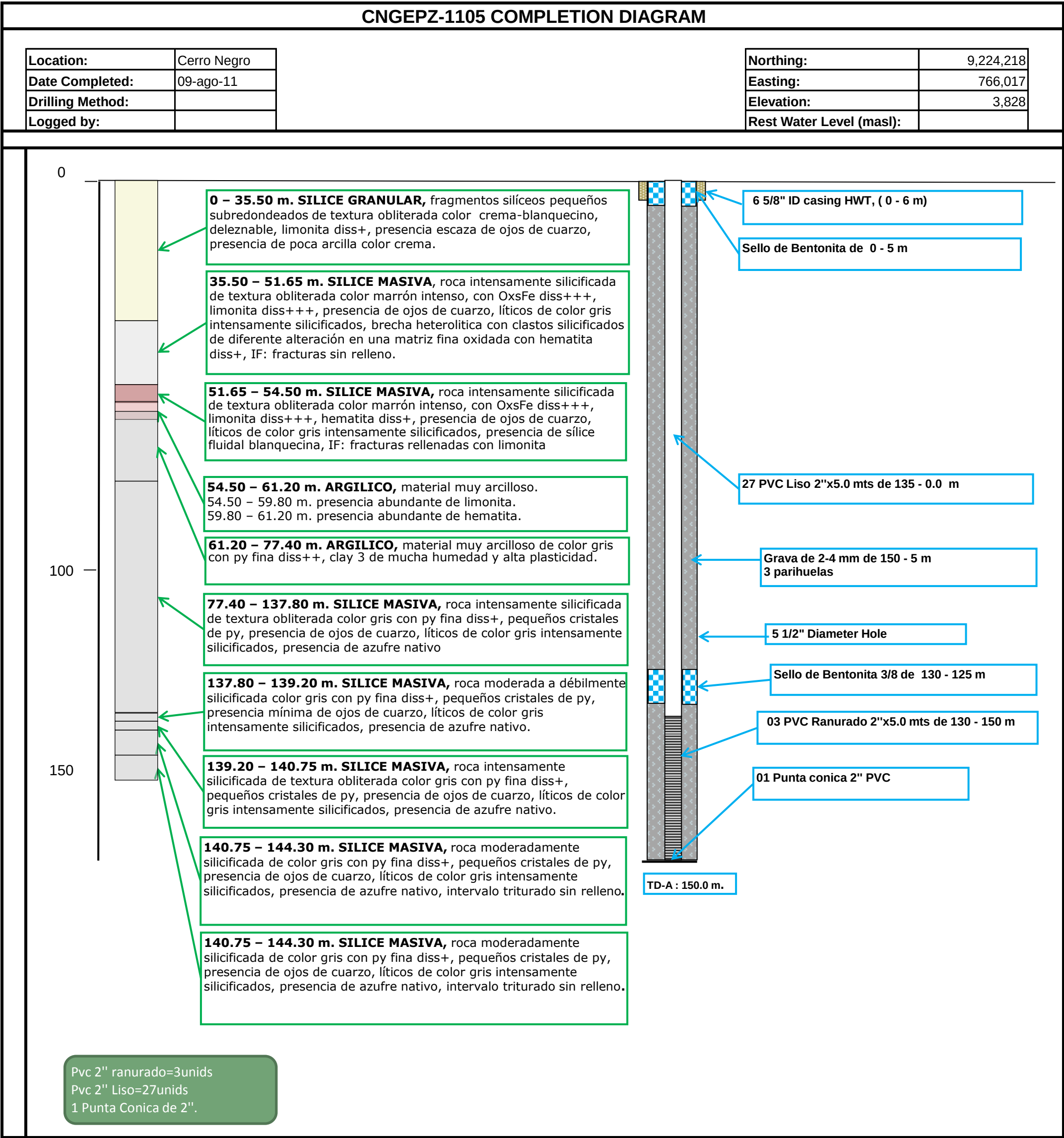










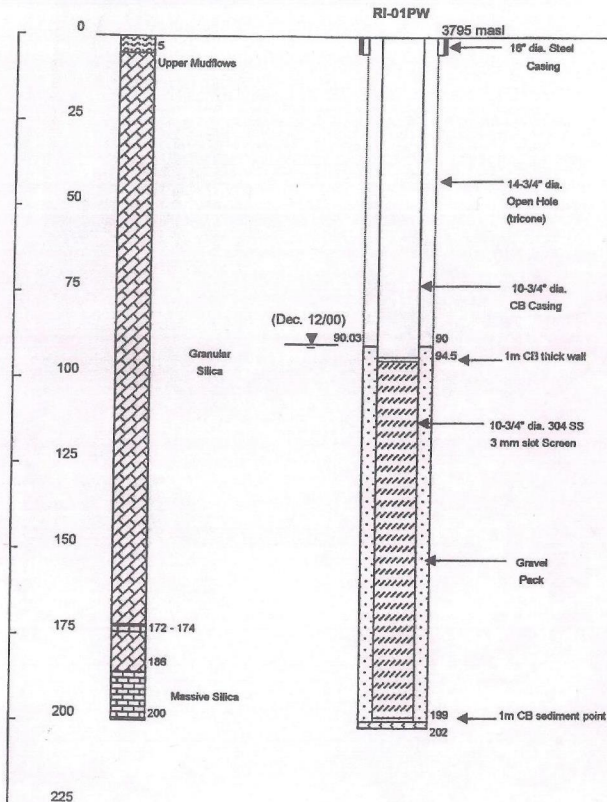


WELL COMPLETION DETAILS

LA QUINUA RECHARGE INTERCEPTION WELL LQ 01-5

015512

Location:	La Quinua	Northing:	27,015
Date Completed:	22-Nov-00	Easting:	12,956
Drilling Method:	Lang DH-1	Elevation:	3,795



LOG OF BORING

No : MMOW-3

CT MAQUI MAQUI

TION DOWN GRADIENT OF MINOR EVENTS POND

UMBER 1266

DRILLED 22 - 28 AUG 1994

IC WATER LEVEL BELOW GROUND 1.71 m.

L DEPTH OF HOLE 18.00 m.

DRILL COMPANY MYSA / GEOTEC S.A.

DRILL METHOD INGERSOLLRAND DM45E / LONGYEAR 44

LOGGED BY WLK

SURFACE ELEVATION 3949.849 m.

CO-ORDINATE E 19809.461 m.

CO-ORDINATE N 28668.548 m.

GRAPHIC
LOG

GEOLOGICAL DESCRIPTION

WELL DIAGRAM

FILL

GRAVEL, in a sandy silty clayey matrix, light brown, gravels subangular to subrounded up to 40mm, oxidized surfaces present, sands medium to coarse grained, subangular to subrounded.

↓ Static Water Level = 1.7m

GRAVEL, in a sand and clay matrix (50%), medium brown, gravels generally 10 - 20mm but up to 30mm, subangular to subrounded, sand is angular to rounded, medium to coarse grained.

GRAVEL, as above without clay component in matrix.

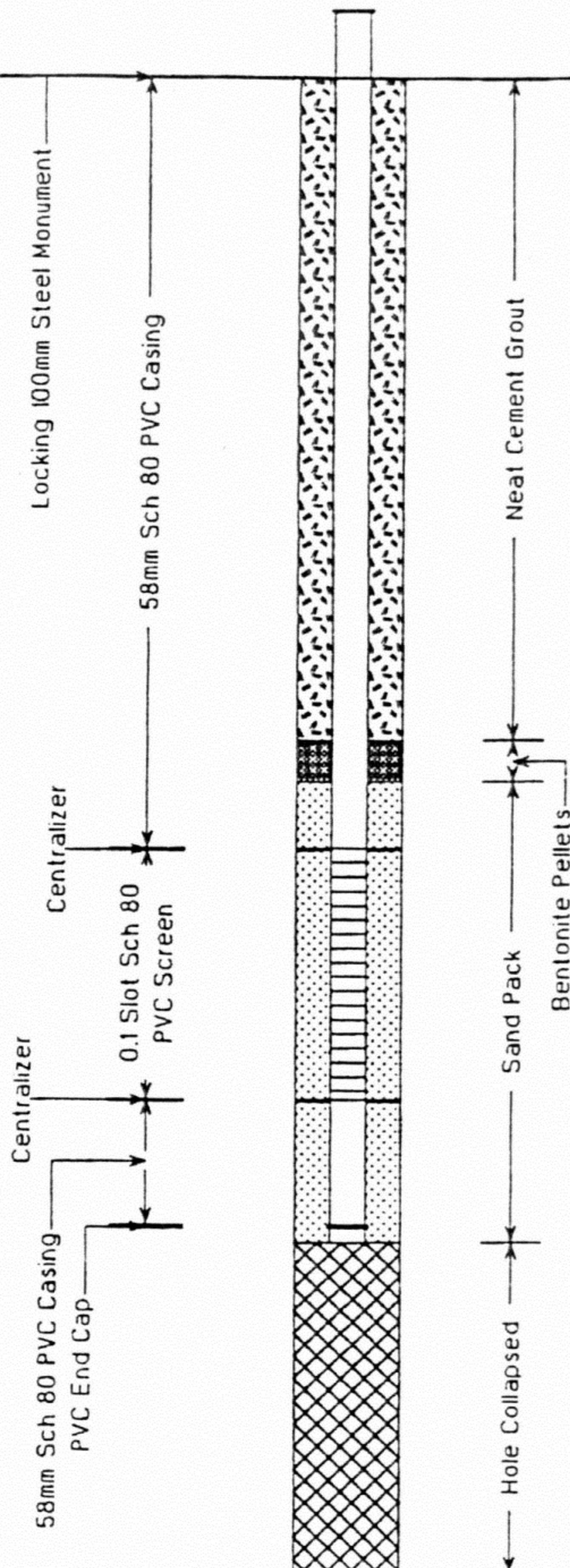
GRAVEL, becomes clast supported in sandy silty clayey matrix, medium brown.

↓ Water Strike at 8.5 to 9m.

ANDESITE, moderately weathered to hard andesite.

Total hole depth = 18 meters

Drilled diameter = 115mm



LOCATION: Maqui Maqui
NORTHING: N/A
EASTING: N/A
ELEV.: N/A

DRILLED DEPTH: 13.0 m
DATE COMPLETED: 30/08/96
DRILLING METHOD: Rotary air
LOGGED BY: JM
WATER LEVEL: 2.96 m

SCREEN: 100 Slot PVC

DESCRIPTION

YIELD (l/s)

GRAPHIC LOG

DEPTH (m)

WELL CONSTRUCTION DETAIL

FILL. Moist

PEAT.

BROWN FINE GRAVELLY MEDIUM SAND

GREY GRAVELLY COARSE SAND
Subangular sand and gravel,
occasional fine gravel upto 10cm

brownish green

water entry @7.9m

GREENISH GREY ANDESITIC ROCK
Moderately to slightly weathered,
weakly altered, water entry @11.5m

CLAY

GREENISH GREY ANDESITIC ROCK
Fresh to slightly weathered, weakly altered

Negl.

0

5

10

15

20

Lockable cap

Cement plinth

Steel conductor casing

2 inch NB blank PVC

6 5/8 inch borehole

Cement bentonite grout

Bentonite seal

0.5-0.6 mm secondary filter pack

Centralizer

#10 slot PVC

0.5-3.0 mm primary filter pack

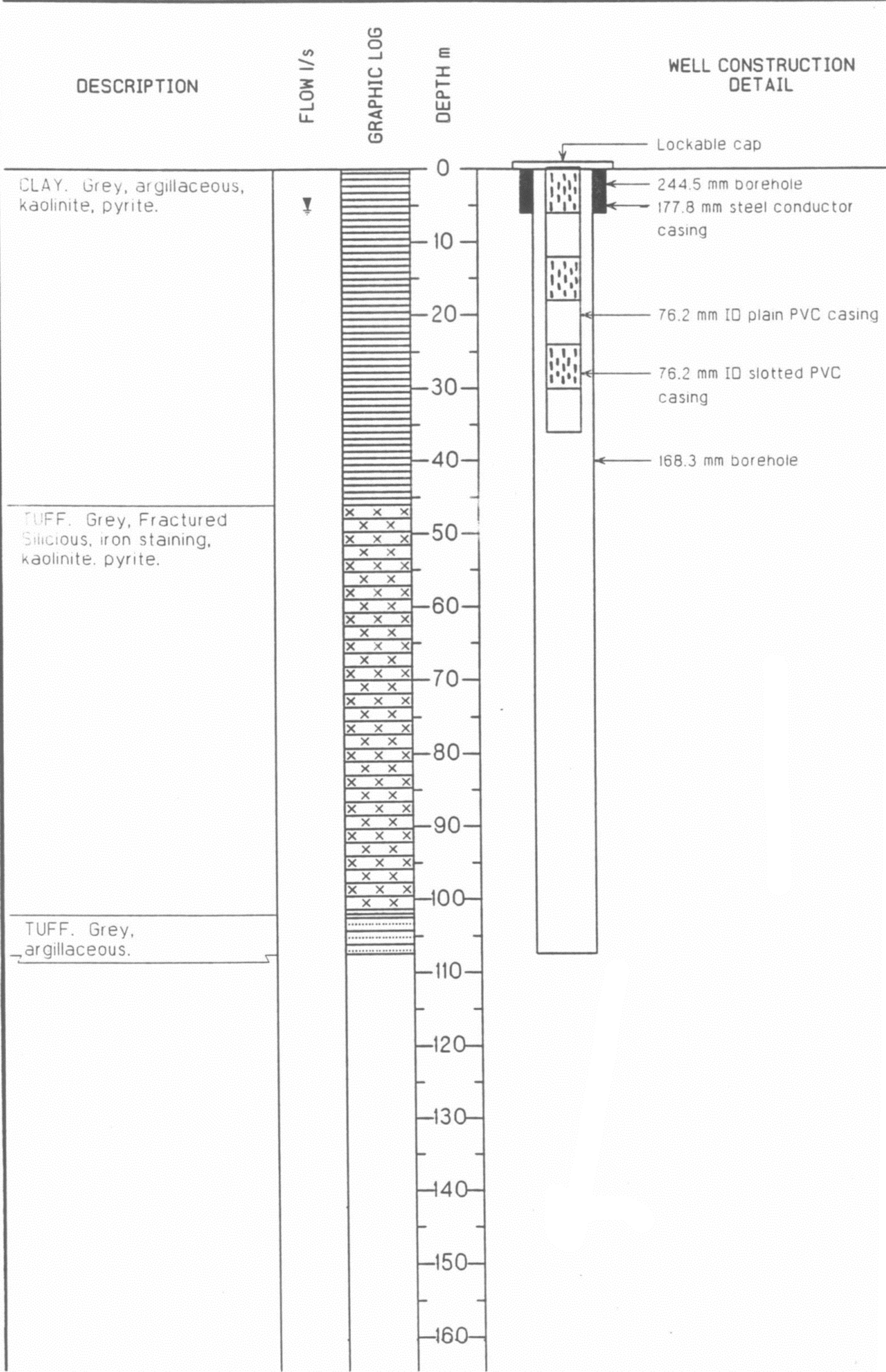
Centralizer

Tapered point

(1) water sampling
pump installed

WELL NUMBER: MMW-1
PROJECT: Maqui Maqui Water Wells
LOCATION: Cinco Lagunas
CLIENT: Minera Yanacocha S.A.
LOGGED BY: RK
DATE COMPLETED: 20/02/95
DEPTH DRILLED: 107.4 m
DRILLING METHOD: Rotary

NORTHING: 30898.237
EASTING: 19209.453
GROUND ELEV.: 3994 m
S.W.L.: 3.8 m
CASING TYPE: Plain and slotted PVC
CASING HEIGHT: 0.3 m
CASING DEPTH: 36 m
CASING DIAMETER: 76.2 mm
SLOTTED INTERVAL: 0-6 m & alternate



WELL NUMBER: PEW-2/MMW-8
PROJECT: Maqui Maqui Hydro Assessment
LOCATION: SE Maqui Maqui
CLIENT: Minera Yanacocha S.A.
LOGGED BY: RK
DATE COMPLETED:
DEPTH DRILLED: 131 m
DRILLING METHOD: Rotary

NORTHING: 30433.35
EASTING: 19929.52
GROUND ELEV.: 4021 m
S.W.L.: 40.95 m
CASING TYPE: Plain steel
CASING HEIGHT: 0.7 m
CASING DEPTH: 83.2 m
CASING DIAMETER: 127 mm
SLOTTED INTERVAL:

