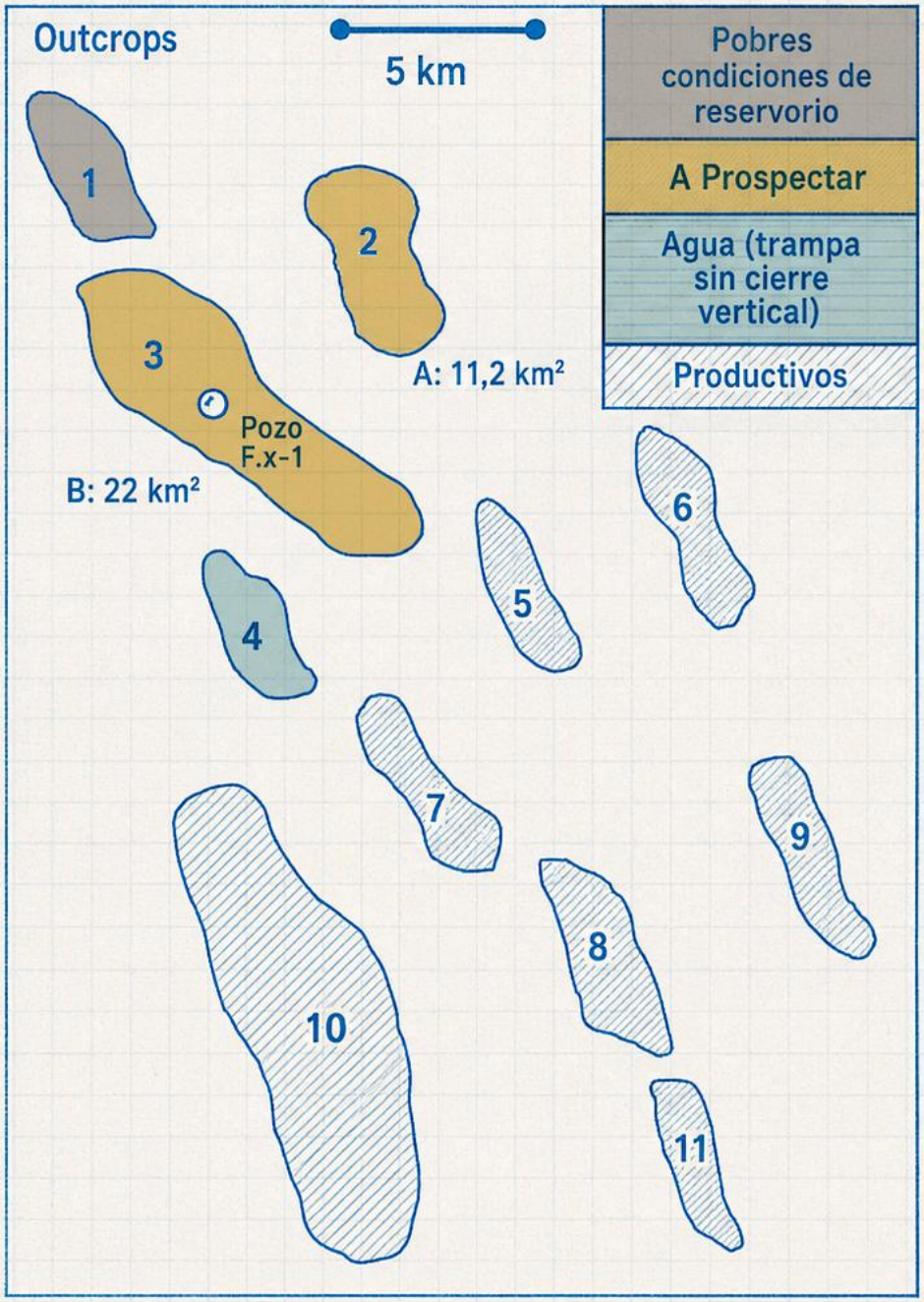
TRABAJO PRÁCTICO

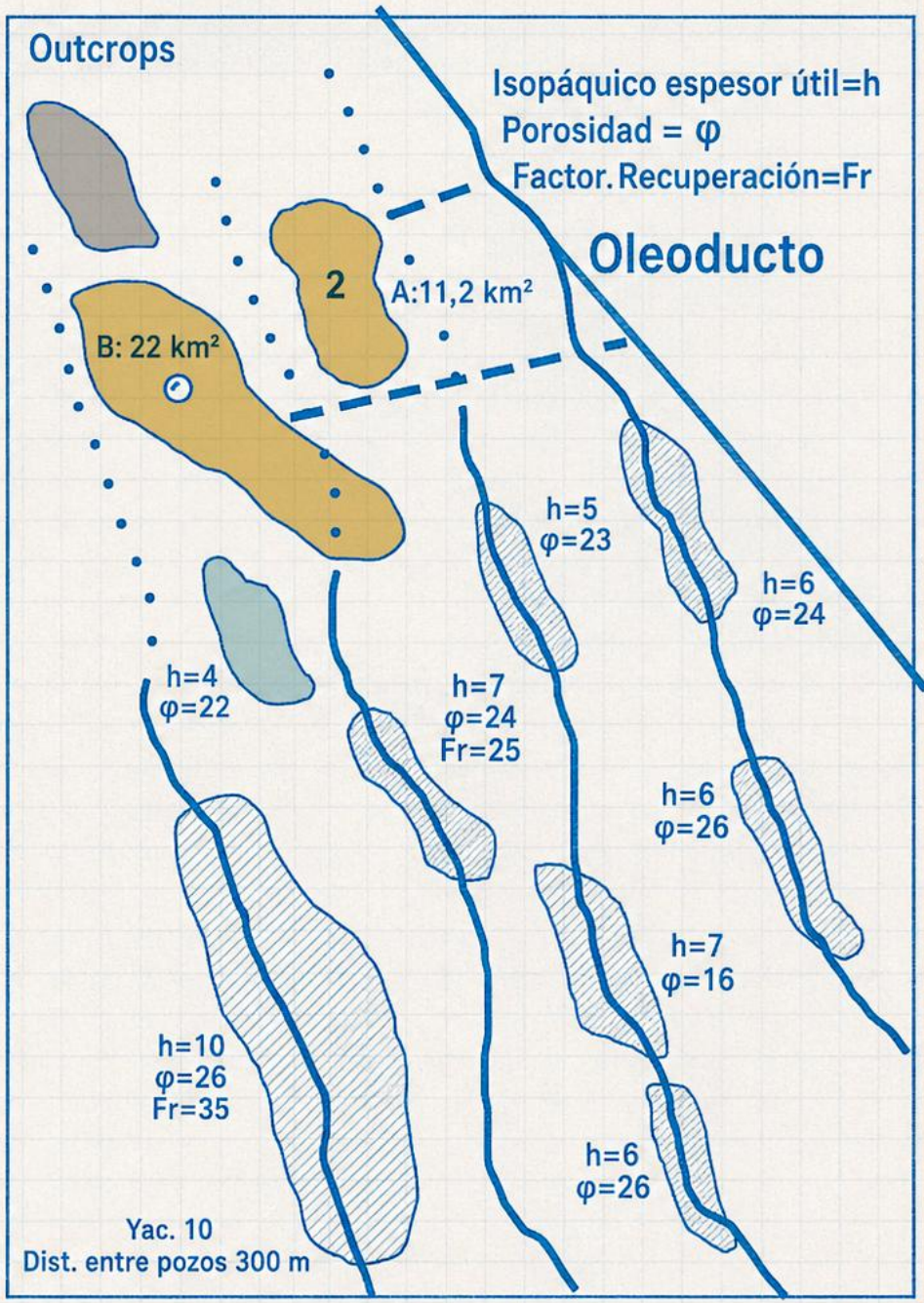
Evaluación de prospectos exploratorios



Prospectos Cuenca FERNET

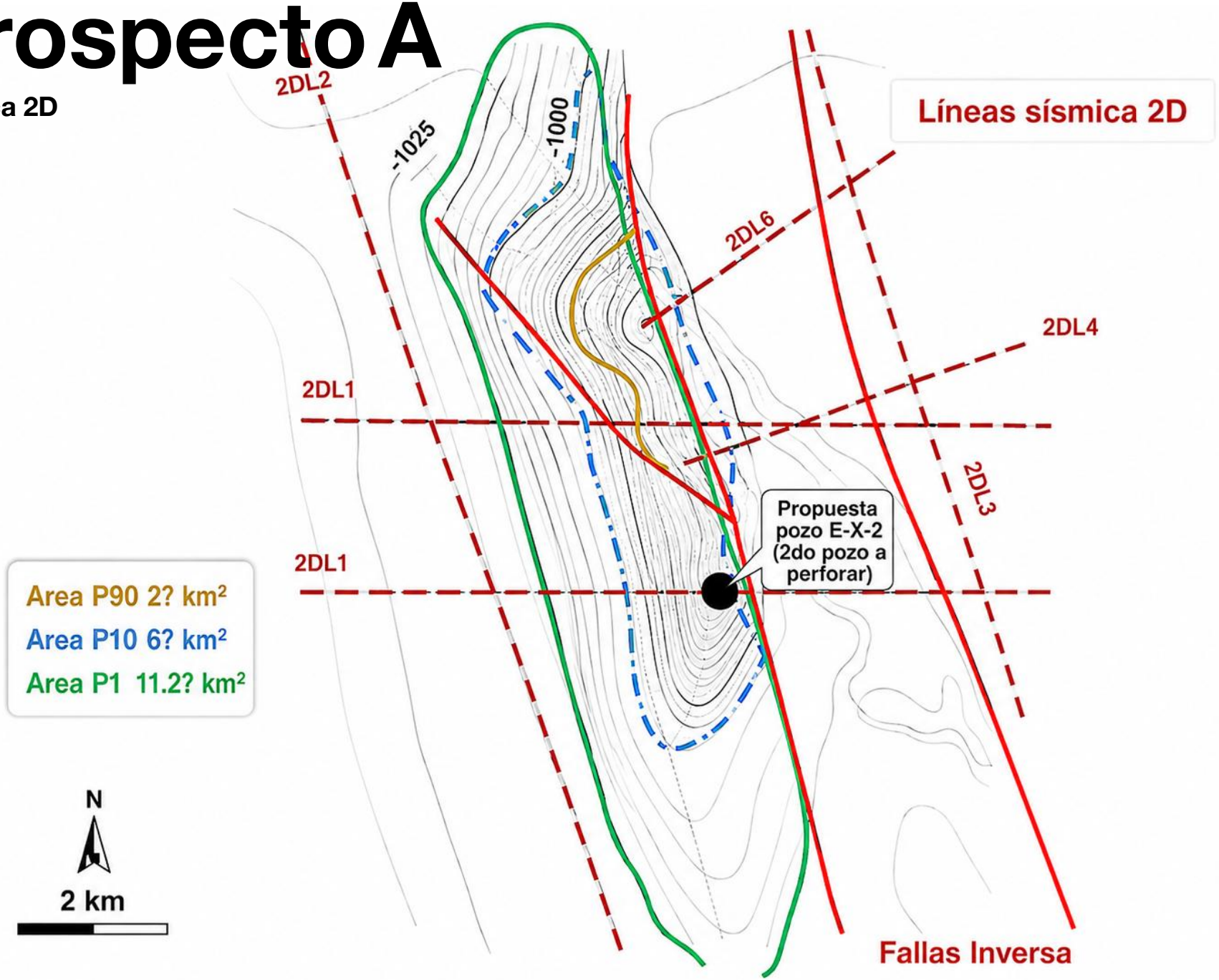
1st Data Room





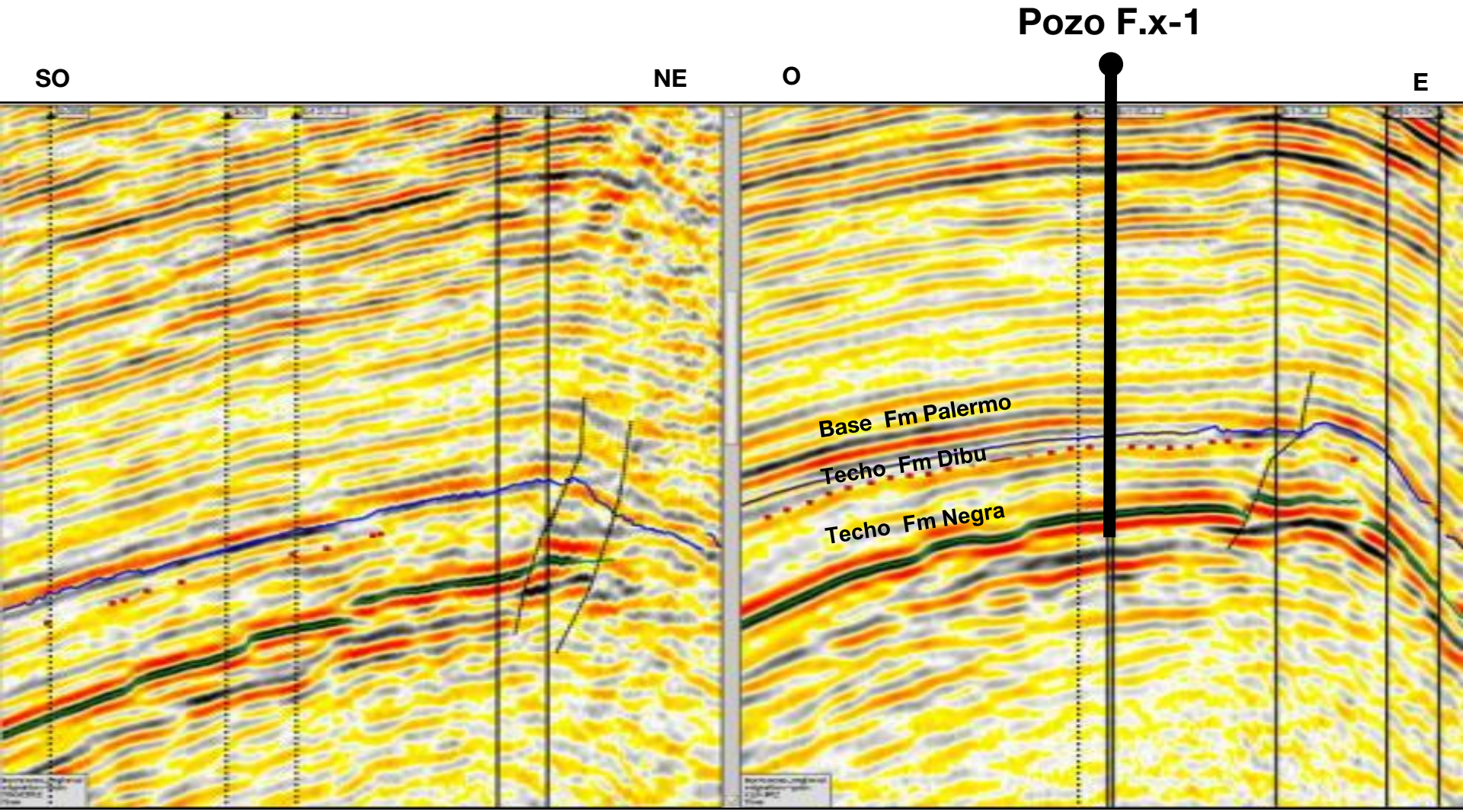
Prospecto A

Sísmica 2D



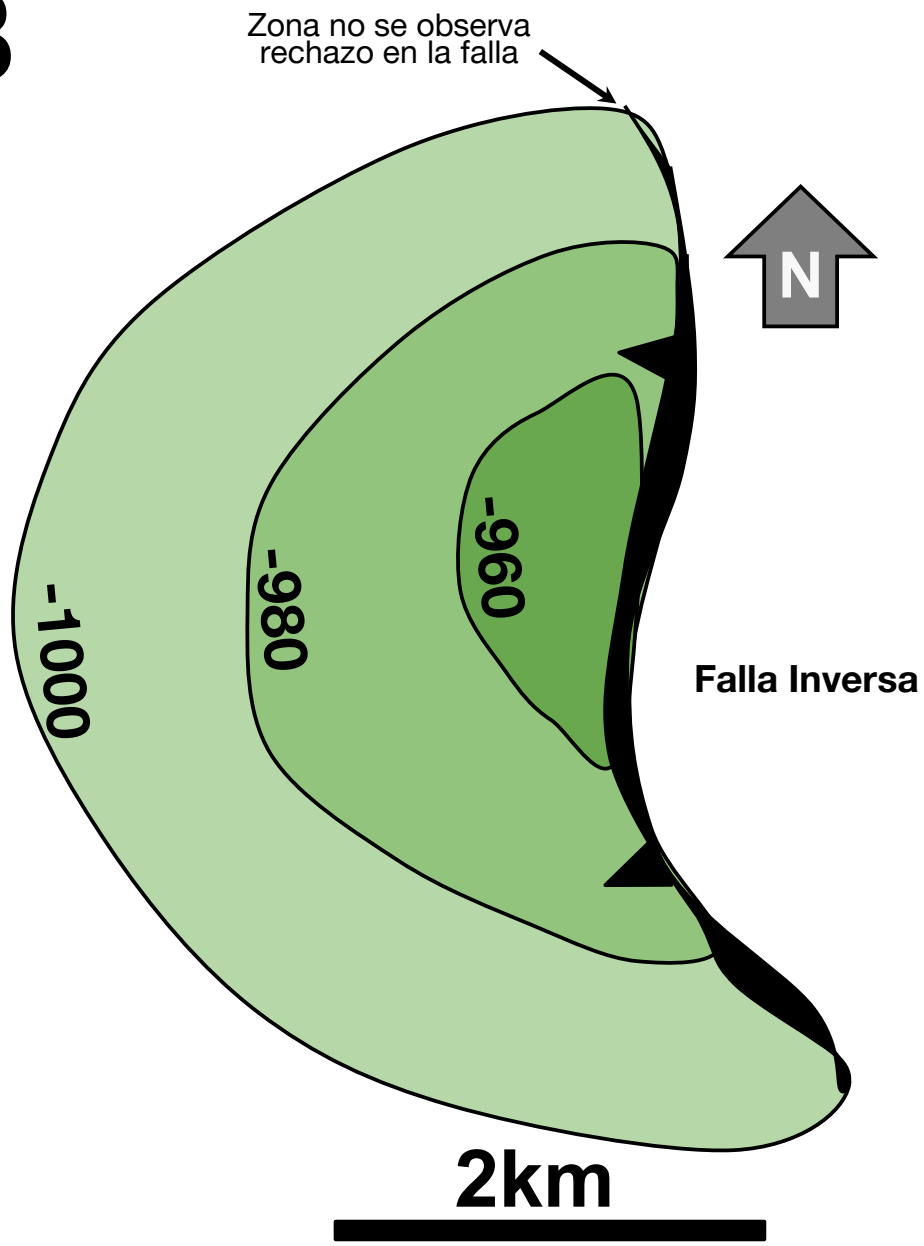
Prospecto B

Sísmica 3D



Prospecto B

Mapa estructural Base Fm Palermo

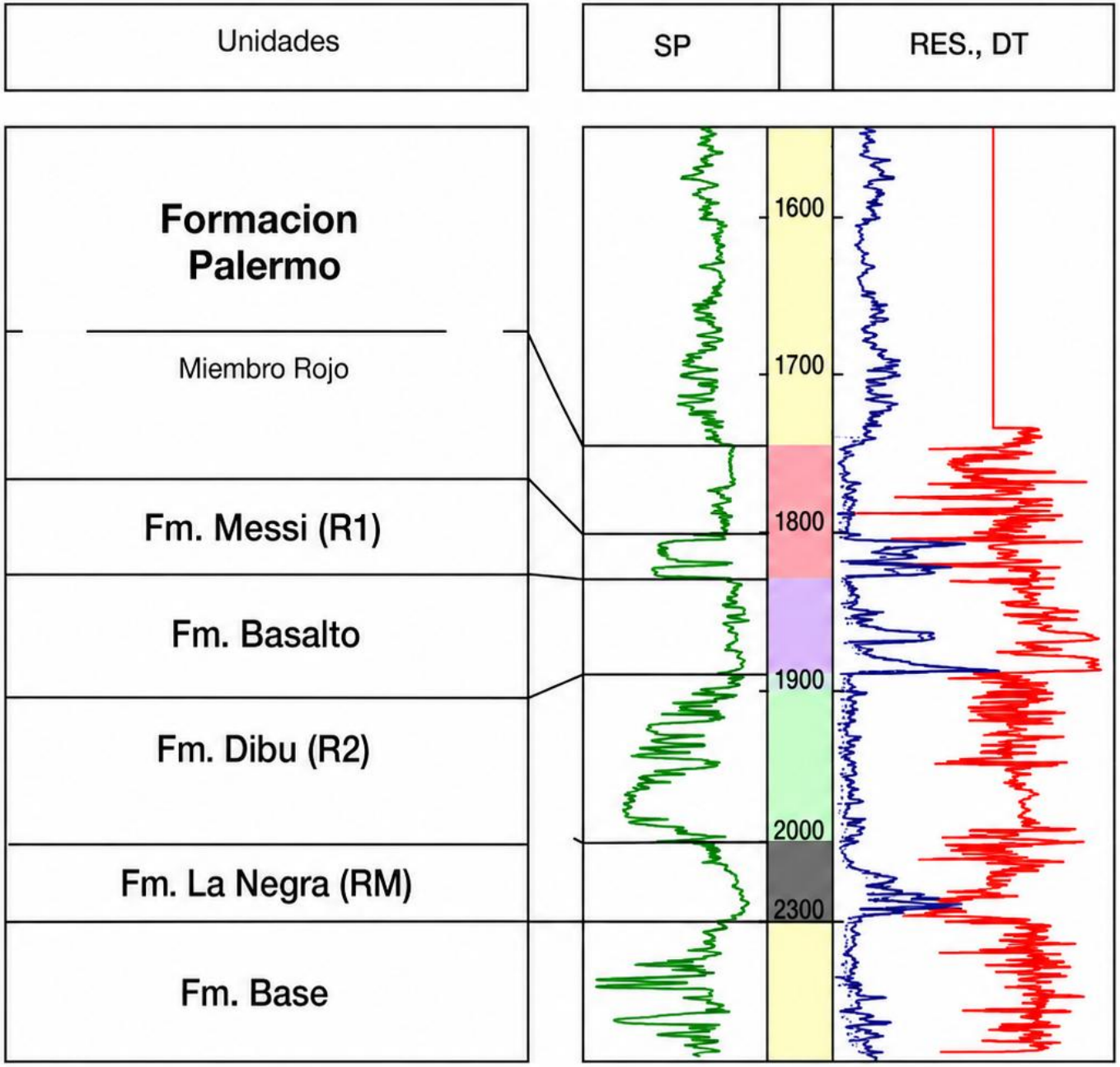


Area P90 = 1.5? km2

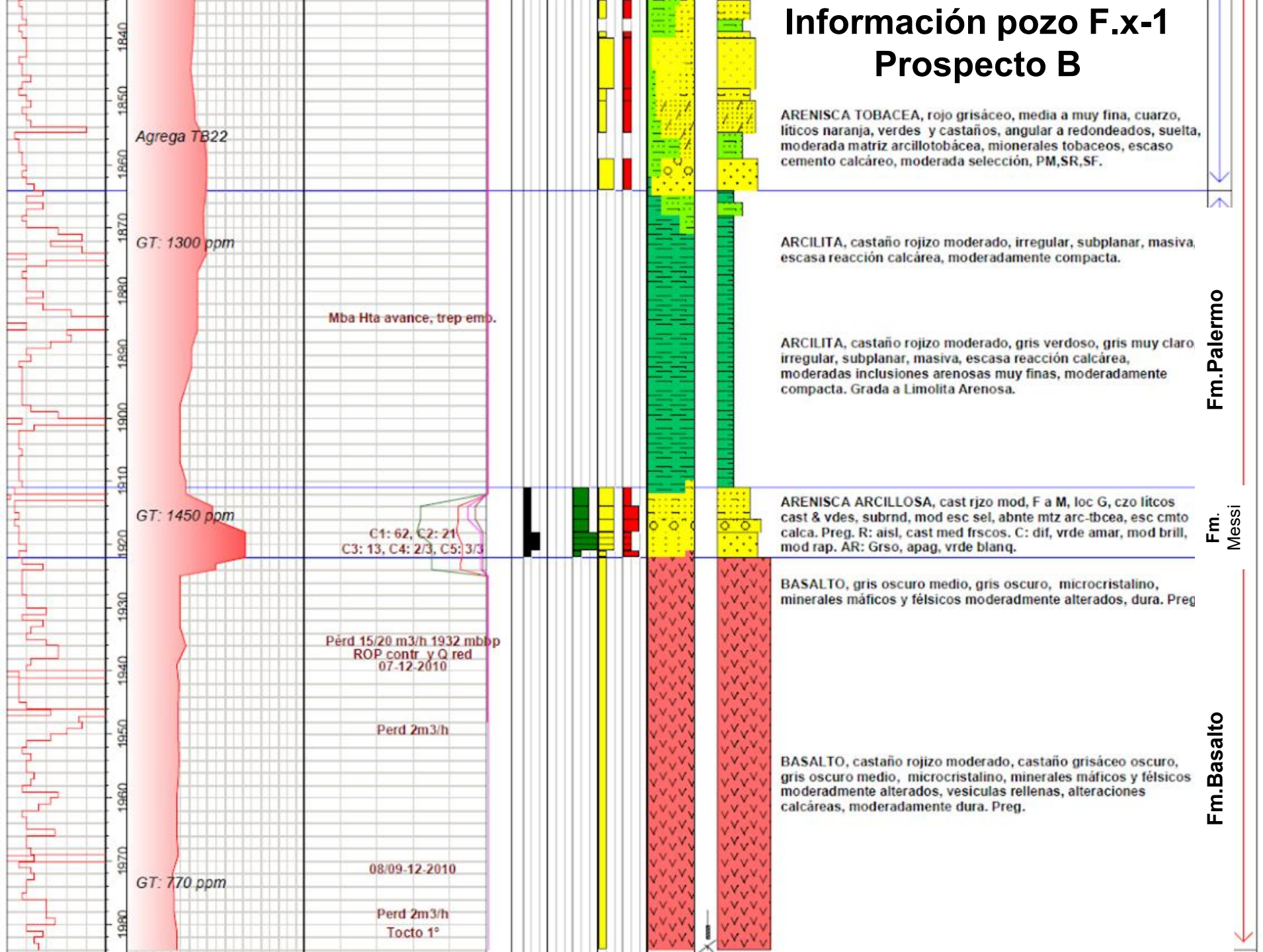
Área P10= 10? km2

Área P1 = 22? km2

Pozo Tipo


Unidades
SP
RES., DT
Formacion Palermo
Miembro Rojo
Fm. Messi (R1)
Fm. Basalto
Fm. Dibu (R2)
Fm. La Negra (RM)
Fm. Base
1600
1700
1800
1900
2000
2300

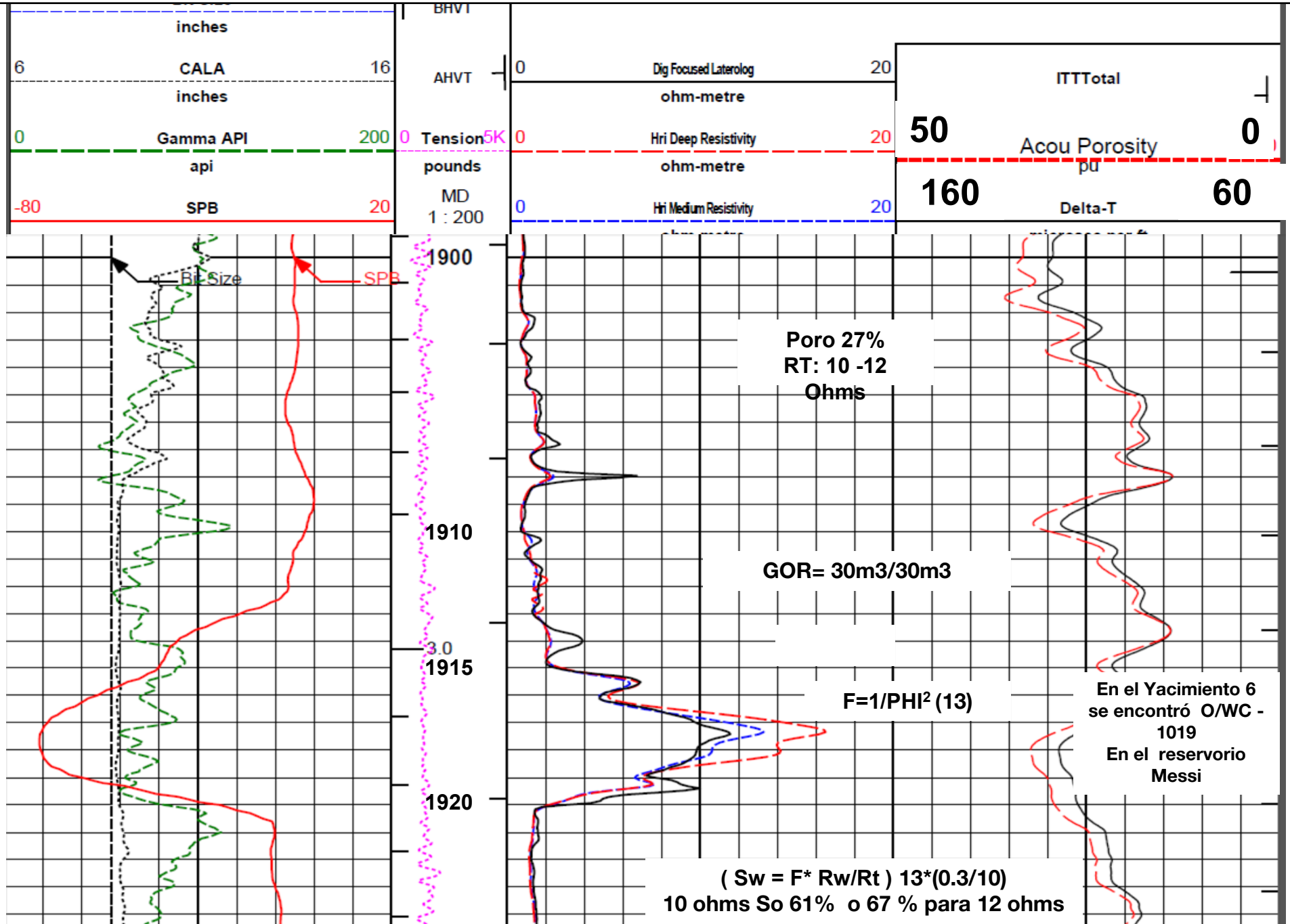
Información pozo F.x-1
Prospecto B



Información pozo perforado F.x-1

Log measured from	N.D.T.	,	above perm. Datum	D.F.	936.350 m
Drilling measured from	NIVEL DEL TERRENO			G.L.	931.350 m
Date	09-Dec-10				
Run No.	2				
Depth - Driller	1984.000 m				
Depth - Logger	1979.900 m				
Bottom - Logged Interval	1976.94 m				
Top - Logged Interval	355.0 m				
Casing - Driller	9.625 in	@ 354.700 m	@		@
Casing - Logger	355.000 m				
Bit Size	8.750 in		@		@
Type Fluid in Hole	PHPA				
Density	Viscosity	9.1 ppg	57.00 s/qt				
PH	Fluid Loss	9.80 pH	5 cptm				
Source of Sample	ULTIMA CIRCULACION				
Rm @ Meas. Temperature	1.120 ohmm	@ 72.00 degF	@		@
Rmf @ Meas. Temperature	0.900 ohmm	@ 72.00 degF	@		@
Rmc @ Meas. Temperature	1.700 ohmm	@ 72.00 degF	@		@
Source Rmf	Rmc	MEASURED	MEASURED				
Rm @ BHT	0.52 ohmm	@ 163.0 degF	@		@
Time Since Circulation	6.0 hr				
Time on Bottom	09-Dec-10 07:57				
Max. Rec. Temperature	163.0 degF	@ 1979.80 m	@		@
Equipment	Location	1134					
Recorded By	SAITA ANDRES		MANZANO MARTIN		
Witnessed By	MARTINEZ C.				

Información pozo perforado F.x-1



Información pozo perforado F.x-1

PRESSURE TEST SUMMARY

Test Identification				Hydrostatic Pres.		Eq. Mud Wt.		Test Pressures - Temperatures					Test Times		Remarks
Test No.	File No.	MD (m)	TVD (m)	Phyds1 (psia)	Phyds2 (psia)	EqFmMw (lbs/gal)	EqBhMw (lbs/gal)	Psdd (psia)	Pedd (psia)	Pstop (psia)	dPob (psia)	Temp (degF)	dTdd (sec)	dTbu (sec)	
1.1	2-6.1	1918.03	1918.03	3102.81	3101.84	4.16	9.48	3086.10	586.06	1360.22	1741.62	174.31	29.24	270.38	Good Test
2.1	2-7.1	1916.53	1916.53	3096.98	3097.49	4.22	9.47	3098.22	582.55	1381.28	1716.21	174.92	40.23	263.39	Good Test
3.1	2-8.1	1917.02	1917.02	3097.10	3095.84	4.22	9.47	3144.92	676.07	1380.38	1715.46	175.07	38.48	181.40	Good Test
4.1	2-9.1	1915.01	1915.01	3091.49	3090.12	4.29	9.46	1400.50	1229.73	1400.33	1689.79	174.71	5.00	95.96	Good Test
5.1	2-10.1	1914.52	1914.52	3088.20	3088.01	4.64	9.45	3063.05	682.12	1515.13	1572.88	176.09	34.99	255.89	Good Test
6.1	2-12.1	1914.02	1914.02	3082.42	3083.63	4.26	9.44	3065.14	307.13	1390.69	1692.94	176.11	28.98	74.20	Good Test

Legend

Phyds1: Initial Hydrostatic Pressure

Phyds2: Final Hydrostatic Pressure

EqFmMw:Equivalent Formation Mud Weight (Pstop / (TVD * Constant))

EqBhMw: Equivalent Borehole Mud Weight (Phyds2 / (TVD * Constant))

Psdd: Initial Drawdown Pressure

Pedd: Final Drawdown or End Drawdown Pressure

Pstop: Final Buildup Pressure

Temp: Final Temperature

dTdd= Tedd-Tsdd: Tedd - End of Drawdown Time; Tsdd - Initial Drawdown Time

dTbu=Tstop - Tedd:Buildup Time, Tedd - End of Drawdown Time, Tstop - Final Buildup Time

dPob= Phyds2 - Pstop: Over Balance

Información pozo perforado F.x-1

PRESSURE TRANSIENT SUMMARY

Test Identification				PTA Pressure					PTA Mobilities					Remarks
Test No.	File No.	MD (m)	TVD (m)	Pexact (psia)	Pstdev (psia)	Psphere* (psia)	Pfast* (psia)	Pradial* (psia)	Mexact (md/cp)	Msphere (md/cp)	Mfast (md/cp)	Mradial (md/cp)	Msdd (md/cp)	
1.1	2-6.1	1918.03	1918.03	1360.20	3.54	1374.08			1.54	0.042			2.83	Good Test
2.1	2-7.1	1916.53	1916.53	1381.28	3.00	1403.06			1.33	0.036			2.48	Good Test
3.1	2-8.1	1917.02	1917.02	1380.38	5.97	1399.97			2.17	0.056			2.94	Good Test
4.1	2-9.1	1915.01	1915.01	1400.33	0.78	1400.48			9.63	108			15.6	Good Test
5.1	2-10.1	1914.52	1914.52	1515.13	22.99	1556.70			1.59	0.021			2.28	Good Test
6.1	2-12.1	1914.02	1914.02	1390.69	43.69	1479.20			2.11	0.039			2.11	Good Test

Legend

Pexact: Projected formation pressure based on exact model.

Pstdev: Standard deviation of actual pressures from exact model

Psphere*:Projected formation pressure based on spherical horner model

Pfast*: Projected formation pressure based on fastest model

Pradial: Projected formation pressure based on radial horner model

Mexact: Spherical Mobility based on exact model

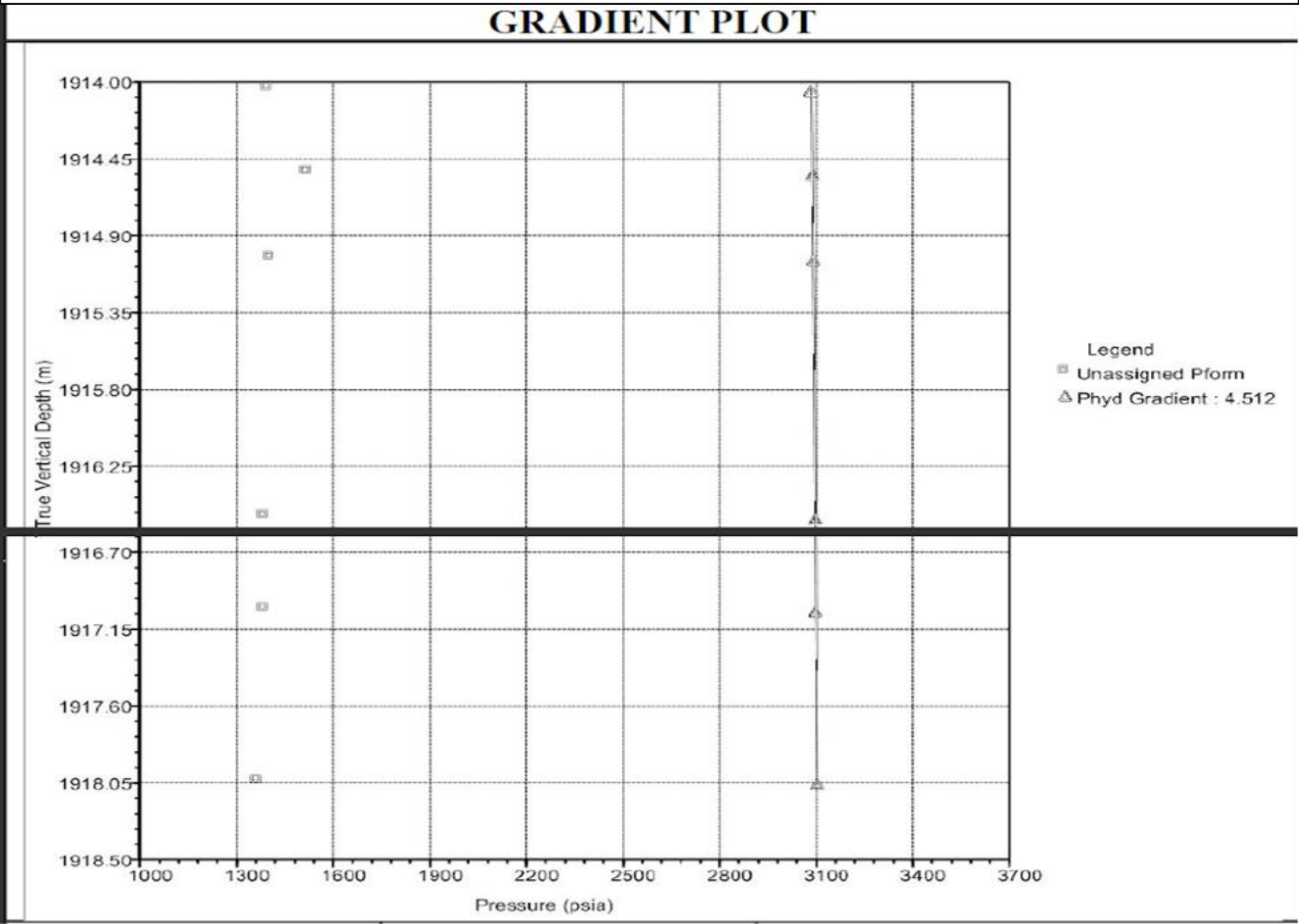
Msphere: Mobility based on spherical horner model

Mfast: Mobility based on fastest model (radial or spherical)

Mradial: Mobility based on radial horner model

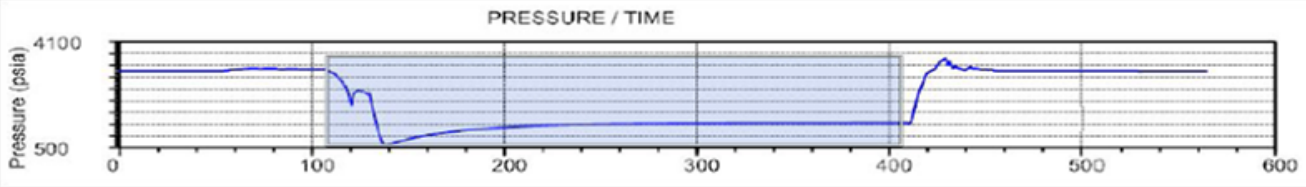
Msdd: Spherical Drawdown Mobility

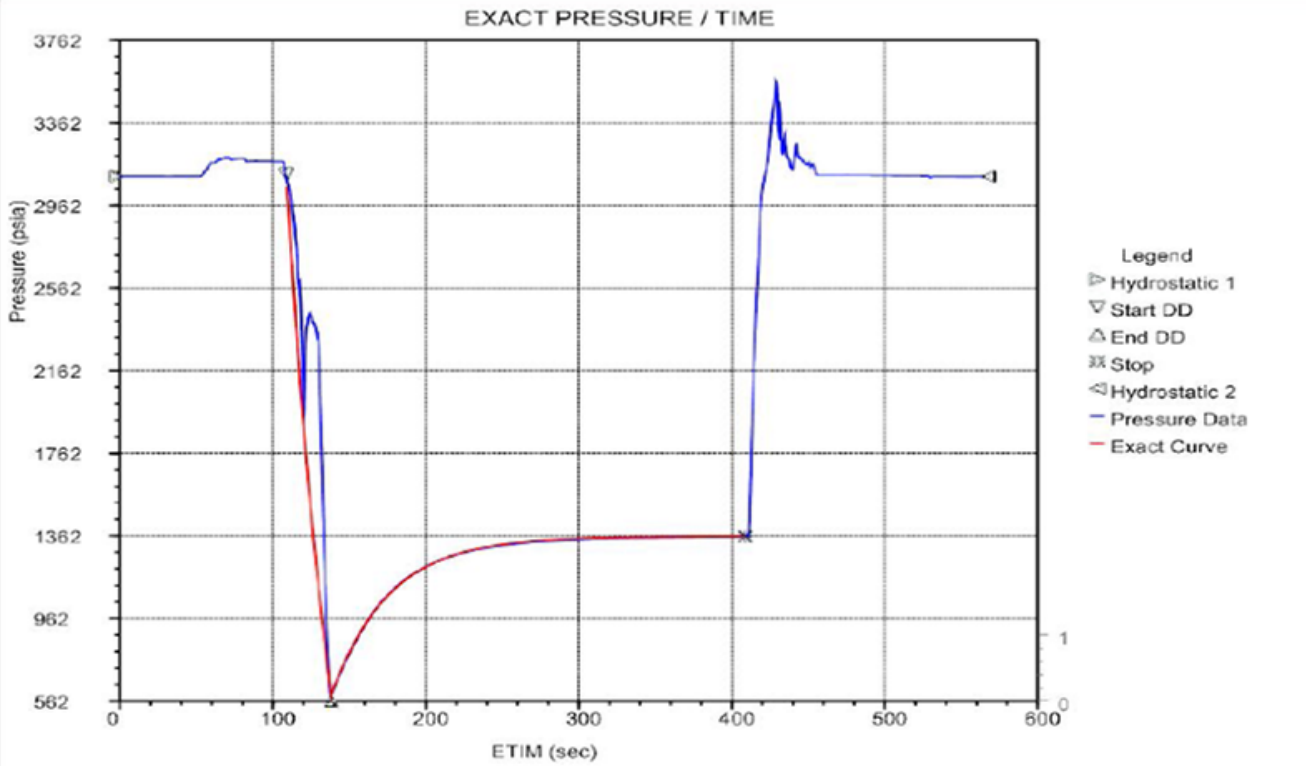
Información pozo perforado F.x-1



Información pozo perforado F.x-1

SFT Test	MD 1918.03 m	TVD 1918.03 m	File No. 2-6.1





EXACT PRESSURE / TIME PLOT SUMMARY

MD (m)	TVD (m)	Pexact (psia)	Pexact stdev(psia)	Mexact(md/cp)	Mexact stdev(%)
1918.03	1918.03	1360.20	3.54	1.54	2.00

CONSTANTS - SPHERICAL FLOW

Volume (cc)	Rate (cc/sec).	Rsnorkel (cm)	Porosity (fraction)	Ct (1/psia)	Flow-line Storage (cc)
9.65	0.33	0.48	0.25	8.63e-006	110.00

REMARKS

Good Test

Información pozo perforado F.x-1

For ΔTma:
Sandstone: 55.5 us/ft

Otro reservorio clástico Fm Dibu a evaluar con algunos parámetros petrofísicos diferentes

Ensayo de agua en este reservorio de un pozo del **yacimiento 6** salinidad en ClNa = 60000 ppm
Presiòn en el pozo del yacimiento 6 ***3150 psi***
A 1930 m TVD **(-1039) TVDSS**

Sandstone: 55.5 – 51.3 us/ft
Limestone : 47.6 – 43.5 us/ft
Dolomite : 43.5 – 38.5 us/ft

