

ADJUNTO IV - DOCUMENTACION TECNICA | | | | | | | | | | | | | | | |

INFORME DE INICIACION DE POZO | | | | | | | | | | | | | | | |


OPERADOR: | | YPF | | | | | | | | | | | | | | | |  
AREA (1): | | Aguada de la Arena | | | | | | | | | | | | | | | |  
PROVINCIA: | | NEUQUEN | | | | | | | | | | | | | | | |  
| | | | | | | | | | | | | | | |  
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SIGLA | | YPF.Nq.AdIA-1012(h) | | | | | | | | | | | | | | | |  
NOMBRE DEL POZO: | | Aguada de la Arena | | | | | | | | | | | | | | | |  
CLASIFICACION (2): | | D | | | | | | | | | | | | | | | |  
FECHA DE INICIO (dd/mm/aa): | | 2018-12-07 00:00:00 | | | | | | | | | | | | | | | |  
| | | | | | | | | | | | | | | |

COMPAÑIA PERFORADORA: | | Helmerich and Payne | | | | | | | | | | | | | | | |  
EQUIPO A UTILIZAR: | | 213 | | | | | | | | | | | | | | | |  
CAPACIDAD PERFORANTE (mts.): | | 5500 | | | | | | | | | | | | | | | |  
| | | | | | | | | | | | | | | |

| | Chos Malal | Inchauspe | Posgar 94 | Posgar 94 (Grados) | | | | | | | | | | | |  
COORDENADAS SUP N: | | 5771240.08 | | | | | | | | | | | | | | | |  
COORDENADAS SUP E: | | 2492438.26 | | | | | | | | | | | | | | | |  
Z: | | 325.16 | | | | | | | | | | | | | | | |

COORDENADAS FONDO N: | | 5768720 | | | | | | | | | | | | | | | |  
COORDENADAS FONDO E: | | 2492335 | | | | | | | | | | | | | | | |  
KOP PREVISTO EN ( TVD): | | | | | | | | | | | | | | | |  
PROFUNDIDAD PROGRAMADA TRAMO HORIZONTAL (TVD): | | 2700 | | | | | | | | | | | | | | | |

TIEMPO ESTIMADO DE PERFORACION (días): | | 30 | Incluye DTM | | | | | | | | | | | | | | | |  
TOPE DE HORIZONTES CALCULADOS: | | Formación | Tramo Horizontal Prof.en TVD | | | | | | | | | | | | | | | |  
	Gr. Neuquén	0															
	Rayoso	110															
	Centenario	840															
	Mulichinco	1610															
	Quintuco	1750															
	Vaca Muerta	2345															
	PF (TVD)	2700															

PROGRAMA DE CONTROL GEOLOGICO: | | Se tomaran muestras de cutting desde boca de pozo ha  
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| | ADJUNTO IV-c: INFORME FINAL DE POZO | | | YPF.Nq.AdIA-1012(h) |

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| MEDICIONES DE DESVIACION | | | |

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TIPO DE INSTRUMENTO: | | | | |

Profundidad■(m) | Inclinación■(deg) | Azimut■(deg) | TVD (m) | Norte■(m) | Este■(m) | SPP■(m)

0 | 0 | 359.999479260302 | 0 | 5771240.08848981 | 2492438.26056437 | 0

122.902 | 0.0880000000018139 | 59.04 | 122.901951679911 | 5771240.13704364 | 2492438.34149945

245.804 | 0.1759999999999649 | 59.04 | 245.803613439422 | 5771240.28270504 | 2492438.58430453

368.706 | 0.2640000000000491 | 59.04 | 368.70469535882 | 5771240.52547365 | 2492438.98897901 |

491.608 | 0.351999999999908 | 59.04 | 491.604907519757 | 5771240.8653489 | 2492439.55552196 | 0

614.51 | 0.44 | 59.04 | 614.503960005936 | 5771241.30232999 | 2492440.28393202 | 0.021480529202

622.195 | 0.459091533964053 | 62.8019425339996 | 622.18872359496 | 5771241.33158244 | 2492440.55552196

629.88 | 0.48 | 66.25 | 629.873465647154 | 5771241.35861941 | 2492440.39346852 | 0.137185297600

639.59 | 1.2971324467133 | 76.0679481892437 | 639.582220205757 | 5771241.40146269 | 2492440.55552196

649.3 | 2.12287209174568 | 78.2780521967047 | 649.287813026269 | 5771241.46446268 | 2492440.8653489

659.01 | 2.95 | 79.25 | 658.988216162946 | 5771241.5476062 | 2492441.24171169 | 2.5588543722232

666.13 | 3.87194497466126 | 72.4777567262763 | 666.095554790195 | 5771241.65415998 | 2492441.24171169

673.25 | 4.82694804678748 | 68.3418626109393 | 673.194984911286 | 5771241.83710059 | 2492442.09637179

680.37 | 5.79869884591279 | 65.5789307299164 | 680.284324097722 | 5771242.09637179 | 2492442.09637179

687.49 | 6.78 | 63.61 | 687.361393023047 | 5771242.43189388 | 2492443.46856315 | 4.232799760635

694.81 | 8.12251932898989 | 62.0498035385251 | 694.619421008119 | 5771242.86634672 | 2492444.03649365

702.13 | 9.46930363052814 | 60.9302889560359 | 701.853171466443 | 5771243.40131342 | 2492445.03649365

709.45 | 10.8187601726618 | 60.0876157584783 | 709.058583570482 | 5771244.03649365 | 2492446.03649365

716.77 | 12.17 | 59.43 | 716.231612401068 | 5771244.77153085 | 2492447.67729536 | 5.5637611323

724.06 | 13.1275 | 59.43 | 723.344607176602 | 5771245.58339387 | 2492449.0517227 | 3.940329218

731.35 | 14.08499999999999 | 59.43 | 730.429933391158 | 5771246.45559642 | 2492450.52830066 | 3

738.64 | 15.04249999999999 | 59.43 | 737.485612335213 | 5771247.38789492 | 2492452.10661687 | 3

745.93 | 16 | 59.43 | 744.509673578802 | 5771248.38002902 | 2492453.78623055 | 3.9403292181068

760.44 | 15.8534580208681 | 58.6173073242358 | 758.462697830038 | 5771250.4291687 | 2492457.2

774.95 | 15.71 | 57.79 | 772.425754365197 | 5771252.50834048 | 2492460.55408671 | 0.5517111641

789.225 | 15.5883098609637 | 56.931493485302 | 786.171617683933 | 5771254.58501999 | 2492463.0

803.5 | 15.47 | 56.06 | 799.925516012426 | 5771256.69451717 | 2492466.9833909 | 0.5497760069489

812.933333333333 | 14.877341325181 | 56.7978765381363 | 809.029941917361 | 5771258.06009683

822.366666666667 | 14.2872314910395 | 57.5954090633733 | 818.159368783658 | 5771259.3470283

831.8 | 13.7 | 58.46 | 827.312716122846 | 5771260.55515981 | 2492472.97135305 | 1.9822989889278

838.765 | 12.7676165741446 | 59.437756766181 | 834.092687324208 | 5771261.37795485 | 2492474.0

845.73 | 11.8393851502618 | 60.5664554307576 | 840.897654637103 | 5771262.12042153 | 2492475.0

Sheet: 4

| | | ADJUNTO IV-c: INFORME FINAL DE POZO | | | YPF.Nq.AdIA-1012(h) | | |

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| GEOLOGIA | | | | | | | | | |

TOPES DE HORIZONTES O FORMACIONES									
							m.b.b.p.	m.b.n.m	

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| Fm. Vaca Muerta | | | | | | 2316 | 1981 | |

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| INFORME GEOLOGICO (Conclusiones que surgen de la perforación del pozo): | | | | | | | | |

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| Control Geológico en Pozo Completo | | | | | | | | |

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