## **NYE County NWRPO - Technical Data Report**

	RID N	o. Transm	itter	Org.	Receiver	Org.	Key word1	Title/Description			
	7576.0	0 Walker		NWRPO	QARC	Nye	13P, 16P,	Phase V Geologic Cross Section A-A'			
	Doc. Date	12/11/2008	General Doc. Type	QA Program Doo	C	Keyword2 EW	DP V				
1	Entry Date	12/11/2008	Detailed Doc. Type	Мар		Keyword3 CrO	ss section				
Da	ta Originator	Jamie Walker	r								
Title of Data		Phase V Geologic Cross Section A-A'									
Description of Data		Geologic cross section compiling and projecting geologic information data from EWDP wells (NC-EWDP-13P, 27P, 16P, 28P, 24P and 22SA) and geologic inferences (thickness and structural pattern) from geophysical datasets (magnetics and gravity). Section is a general interpretation of structural-stratigraphic relationships derived from EWDP drilling and geophysical studies. Cross section consists of an AutoCAD 2007 vector graphics file ("Phase V section A-A'.dwg"). The section graphic is also converted to a high resolution Adobe Acrobat file (Phase V Section A-A'.pdf").									
Data Collection Method		Product compiled from existing datasets. Geological information from summary lithologic logs. Borehole location data collected by GPS surveys. Water level data from routine water level sounding data. Geophysical data from USGS/YMP studies including airborne magnetics and gravity surveys with inversions.									
Data Location(s)		N/A									
Da	ta Collection Period(s)	12/2008									
Data Source(s)		Borehole survey data: RIDs 5785, 5047, 6027, 6999. Summary Lithologic Logs: 13P (RID 7281), 27P (RID 6708), 16P (RID 6705), 28P (RID 6709), 24P (RID 6707), 22SA (RID 5472). Water table (water level) data: RID 7421.									
Data Censoring		None									
Dat	a Processing	The cross see projected on t the section. If boreholes, the Nye County, I (and generally and/or reactive of this section May 2008. A surface based	ction line (A-A') wa to a plane defined Boreholes were dr e relationships in t Nevada. The dep y deeper) gravity g vated by steep "lat n was presented as pproximate water d on topographic r	as projected thro by A-A' (see Fig awn as vertical li he Phase IV sec th to Pre-Cenozo gradients interpre e" faults interpre s a talk entitled " table surface wa naps.	ugh wells NC- jure 1.4-1 in th ines. Thickne ction B-B' and bic (Paleozoic eted as early g ted primarily fi Update to Cor is drawn base	EWDP-16P ar ne Phase V Dri sses of Miocer cross section I rocks) was de growth faults th rom aeromagn nceptual Cross d on recent wa	WDP-16P and 24P. Borehole data from wells 13P, 27P, 28P and 22SA were Phase V Drilling Report). No borehole deviation data was used in the construction ses of Miocene volcanic groups were interpreted based on intercepts in EWDP ross section B-B' of Potter, et al (2002), Geologic Map of the Yucca Mountain Area, ocks) was derived from gravity inversions of Blakely and Ponce, 2001 with steeper owth faults that are buried by Paintbrush Group members, that are subsequently cu im aeromagnetic data (Blakely et al, 2000; Perry et al., 2005). A preliminary version ceptual Cross-Sections and Associated Interpretations" at the Devils Hole Workshop on recent water level soundings. The topographic profile was drawn as a simplified				
Dat	a Limitations	Cross sectior geologic relat section prese	n presents a gener tionships. Alterna ents a geologic mo	alized geologic i tive interpretation del that places F	nterpretation of or conceptual Paintbrush tuff	of data from m alizations are p s in an unconfe	any varied sou oossible and lik ormable relatio	urces. As such, it is meant to illustrate only general kely based on the limited subsurface data available. The onship on thinned and possible eroded Crater Flat and			

pre-Crater Flat units across much of the southeastern section of Yucca Mountain and western Fortymile Wash. This relationship is expressed only in

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	boreholes 28P and possibly 24F and hydrologic significance of se and the base of Tvo/Ts rocks sh which drill hole data is projected gravity data. Unit thickness of th but the 28P data is projected to Flat volcanic units.	P. Subsequent of ectional interpre- nown for the sec I. The line of pro- ne Crater Flat vo demonstrate the	data acquisition (d stations is containe stion line A-A' at th ojection of the drill olcanics as shown e variability of pres	rilling and g ed in the Ph e 28P loca hole data on the CJ servation of	geophysics) wi hase V Drilling tion may be at is nearly perpe S footwall thick f Crater Flat ur	ill confirm or refute this model. A discussion of the geologic Report. The difference between "depth to Pre-Cenozoic" tributed to the distance, approximately 5,100 ft, across endicular within a south-southwest plunging basin based on ken in the area the A-A' section relative to the 28P location, hits in the basin, probably at the thinnest section of Crater
Governing QA Docs.	QAP-3.2, Rev. 3					
Frequency of Transmittal	As required					
Pirect Questions	NWRPO QA Records Center					

About Data To-

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