

QA:QA
JAB
6/08/06

BECHTEL SAIC Co., LLC, YUCCA MOUNTAIN PROJECT
Site – Project Field Engineering, Survey

As-Built Location for Borehole NC-EWDP-13P
TABLE

Data Processed by: G. Bates
Software: GPSurvey, Ver.2.35

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Reference

Field Book/Page: YMP 149/11,12,13&16
Data Files: BBL14911.DAT, RRD14913.DAT & RGN14912.DAT
Procedure: LP-OM-038Q-BSC, Rev.0/ICN 1
Work Order: 13250-01 / 20789

Data is Nevada State Plane Coordinates, Central Zone, also Geographic, Datum is NAD27 & NAD83
Horizontal and NGVD29 Vertical, Units are U.S. Feet & Meters

5/24/2006

Q/A:Q/A
MB

**BECHTEL SAIC COMPANY (BSC) LLC, YUCCA MOUNTAIN PROJECT (YMP)
YMP Site Operations - Field Engineering, Survey Section**

**Nye County Early Warning Drilling Program, Phase V
Borehole ID # NC-EWDP-13P**

A Global Positioning System (GPS) survey for the existing location of County Early Warning Drilling Program (EWDP) Phase V Borehole NC-EWDP-13P was performed on December 07, 2005. The Yucca Mountain Project procedure for performing this work is OCRWM LP-OM-038Q-BSC Rev. 0/ICN 1. Tabulated below are the location values obtained by this survey.
Ref. YMP 149/11,12,13,&16

LATITUDE/LONGITUDE DATUM IS NAD-83, ELEVATION NGVD-29: (In Meters)

<u>BOREHOLE ID</u>	<u>LATITUDE (N)</u>	<u>LONGITUDE (W)</u>	<u>TOP OF STEEL CASING ELEV.</u>	<u>ELEVATION TOP 2" PVC PIPE</u>	<u>CONCRETE SLAB ELEV.</u>	<u>GROUND ELEV.</u>
NC-EWDP-13P	36° 44' 39.866"	116° 30' 50.235"	896.348m	896.254m	895.45m	895.35m

NEVADA STATE PLANE, CENTRAL ZONE, NORTHING / EASTING DATUM IS NAD-27, ELEVATION NGVD-29 (In U.S. Feet.)

<u>BOREHOLE ID</u>	<u>NORTHING</u>	<u>EASTING</u>	<u>TOP OF STEEL CASING ELEV.</u>	<u>ELEVATION TOP 2" PVC PIPE</u>	<u>CONCRETE SLAB ELEV.</u>	<u>GROUND ELEV.</u>
NC-EWDP-13P	N 725971.23	E 545002.31	2940.77'	2940.46'	2937.83'	2937.50'

Reference:

VTN J-1	N 734246.39	E 581252.81	3138.58'
GATE510	N 699248.05	E 577314.86	2747.90'

NOTE: Coordinates to center of 2" PVC Pipe. Concrete slab is marked "0.33' AGL" (Above Ground Level)
Work Order #20789 & SWO #13250-01.

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