

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

```

PROGRAM = datasheet95, VERSION = 8.12.3
1      National Geodetic Survey,  Retrieval Date = NOVEMBER 24, 2017
EQ1012 *****
EQ1012 DESIGNATION -  BROWN
EQ1012 PID          -  EQ1012
EQ1012 STATE/COUNTY-  NM/SOCORRO
EQ1012 COUNTRY      -  US
EQ1012 USGS QUAD    -  MESA SARCA (1985)
EQ1012
EQ1012                      *CURRENT SURVEY CONTROL
EQ1012
EQ1012* NAD 83(1992) POSITION- 34 31 19.80030(N) 107 11 06.15393(W)  ADJUSTED
EQ1012* NAVD 88 ORTHO HEIGHT - 2108.4 (meters) 6917. (feet) VERTCON
EQ1012
EQ1012 GEOID HEIGHT - -21.352 (meters) GEOID12B
EQ1012 LAPLACE CORR - -6.21 (seconds) DEFLEC12B
EQ1012 HORZ ORDER - SECOND
EQ1012
EQ1012.The horizontal coordinates were established by classical geodetic methods
EQ1012.and adjusted by the National Geodetic Survey in December 1993.
EQ1012.
EQ1012.The NAVD 88 height was computed by applying the VERTCON shift value to
EQ1012.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)
EQ1012
EQ1012.Significant digits in the geoid height do not necessarily reflect accuracy.
EQ1012.GEOID12B height accuracy estimate available here.
EQ1012
EQ1012.The Laplace correction was computed from DEFLEC12B derived deflections.
EQ1012
EQ1012. The following values were computed from the NAD 83(1992) position.
EQ1012
EQ1012;
EQ1012;SPC NM C - 390,967.504 414,155.637 MT 0.99999080 -0 31 47.8
EQ1012;SPC NM C - 1,282,699.22 1,358,775.62 sFT 0.99999080 -0 31 47.8
EQ1012;UTM 13 - 3,822,223.192 299,441.562 MT 1.00009582 -1 14 19.4
EQ1012
EQ1012! - Elev Factor x Scale Factor = Combined Factor
EQ1012!SPC NM C - 0.99967249 x 0.99999080 = 0.99966329
EQ1012!UTM 13 - 0.99967249 x 1.00009582 = 0.99976827
EQ1012
EQ1012: Primary Azimuth Mark Grid Az
EQ1012:SPC NM C - T3N R3W SECS 9 10 15 16 137 52 09.8
EQ1012:UTM 13 - T3N R3W SECS 9 10 15 16 138 34 41.4
EQ1012
EQ1012_U.S. NATIONAL GRID SPATIAL ADDRESS: 13SBU9944122223(NAD 83)
EQ1012
EQ1012|-----|
EQ1012| PID Reference Object Distance Geod. Az |
EQ1012| | | | dddmmss.s |
EQ1012| CD1689 BROWN RM 1 7.478 METERS 02136 |
EQ1012| CD1688 T3N R3W SECS 9 10 15 16 1372022.0 |
EQ1012| CD1690 BROWN RM 2 10.730 METERS 23537 |
EQ1012|-----|
EQ1012
EQ1012
EQ1012 SUPERSEDED SURVEY CONTROL
EQ1012

```

EQ1012 NAD 83(1986)- 34 31 19.80424(N) 107 11 06.15435(W) AD() 2
 EQ1012 NAD 27 - 34 31 19.59140(N) 107 11 04.02930(W) AD() 2
 EQ1012 NGVD 29 (07/19/86) 2107.6 (m) 6915. (f) VERT ANG
 EQ1012
 EQ1012.Superseded values are not recommended for survey control.
 EQ1012
 EQ1012.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 EQ1012.See file [dsdata.pdf](#) to determine how the superseded data were derived.
 EQ1012
 EQ1012_MARKER: DS = TRIANGULATION STATION DISK
 EQ1012_SETTING: 66 = SET IN ROCK OUTCROP
 EQ1012_STABILITY: A = MOST RELIABLE AND EXPECTED TO HOLD
 EQ1012+STABILITY: POSITION/ELEVATION WELL
 EQ1012

EQ1012	HISTORY	- Date	Condition	Report By
EQ1012	HISTORY	- 1952	MONUMENTED	USGS
EQ1012	HISTORY	- 1958	GOOD	USGS

 EQ1012
 EQ1012 STATION DESCRIPTION
 EQ1012
 EQ1012'DESCRIBED BY US GEOLOGICAL SURVEY 1952
 EQ1012'STATION IS LOCATED ABOUT 25 AIRLINE MI. WSW. OF BELEN, ON SHARP S. END
 EQ1012'OF HIGH RIDGE.
 EQ1012'
 EQ1012'TO REACH STATION BY JEEP FROM BERNARDO, GO W. ON U.S. HIGHWAY 85 FOR
 EQ1012'1.8 MI. TO RD. TO RIGHT, TURN RIGHT (N.) AND CONTINUE FOR 2.2 MI. TO
 EQ1012'FORK, TAKE LEFT FORK AND CONTINUE 0.7 MI. TO FORK, TAKE RIGHT FORK
 EQ1012'FOR 4.3 MI. TO FORK, TAKE RIGHT FORK ACROSS CATTLEGUARD FOR 2.9 MI. TO
 EQ1012'FORK, TAKE A RIGHT FORK FOR 7.5 MI. TO FORK, TAKE FORK (LEFT) 1.3 MI.
 EQ1012'TO GATE AT HEAD OF CUT, GO 0.8 MI. TO FORK, TAKE RIGHT FORK OFF MAIN
 EQ1012'ROAD, THEN CONTINUE 2.5 MI. PAST OLD RANCH, 0.1 MI. MORE TAKING RIGHT
 EQ1012'FORK, 1.1 MI. MORE TURNING OFF ON FAINT OLD TRAIL FOR 1.7 MI.
 EQ1012'FOLLOWING DRAIN TO END OF JEEP TRAVEL, THEN PACK FOR 1/2 HOUR UP
 EQ1012'RIDGE IN SOUTHERLY DIRECTION TO TOP AND EXTREME S. END AND STATION.
 EQ1012'
 EQ1012'STATION MARK--A STANDARD USGS REFERENCE MARK WITH REFERENCE MARKED
 EQ1012'OUT AND BENCH ADDED WITH CROSS ON ARROW SIGNIFYING STATION MARK
 EQ1012'TABLET, STAMPED---BROWN 1952---.
 EQ1012
 EQ1012 STATION RECOVERY (1958)
 EQ1012
 EQ1012'RECOVERY NOTE BY US GEOLOGICAL SURVEY 1958 (RLE)
 EQ1012'THE STATION IS LOCATED ON A HIGH ROCKY HILL, ABOUT 21 MILES
 EQ1012'NORTHWEST OF BERNARDO, ABOUT 17 MILES EAST OF THE RANCH SETTLEMENT
 EQ1012'OF FIELD, 10 MILES NORTHEAST OF THE ABANDONED VILLAGE OF RILEY
 EQ1012'AND ABOUT 1 MILE SOUTH OF A HIGHER HILL. THE MARK IS A STANDARD
 EQ1012'U.S. GEOLOGICAL SURVEY STATION DISK CEMENTED IN A DRILL HOLE
 EQ1012'IN BEDROCK, SET FLUSH WITH THE SURROUNDING SURFACE AND IS
 EQ1012'STAMPED BROWN 1952.
 EQ1012'
 EQ1012'REFERENCE MARK NO. 1 IS SET ON THE NORTH SIDE OF THE HILL.
 EQ1012'THE MARK IS SET FLUSH WITH THE SURROUNDING SURFACE AND IS STAMPED
 EQ1012'BROWN USGS NO 1 1958.
 EQ1012'
 EQ1012'REFERENCE MARK NO. 2 IS SET ON THE SOUTHWEST SIDE OF THE HILL.
 EQ1012'THE MARK IS SET FLUSH WITH THE SURROUNDING SURFACE AND IS STAMPED
 EQ1012'BROWN USGS NO 2 1958.
 EQ1012'
 EQ1012'AZIMUTH MARK IS 32 FEET SOUTHWEST OF THE CENTER OF THE TRACK ROAD.
 EQ1012'THE MARK IS A U.S. CAESTRAL DISK BRAZED TO THE TOP OF A 2-INCH
 EQ1012'IRON PIPE, PROJECTS 6 INCHES ABOVE THE SURFACE OF THE GROUND
 EQ1012'AND IS STAMPED T3N RW3 S16 S15 1952.
 EQ1012'
 EQ1012'TO REACH THE STATION FROM THE JUNCTION OF U.S. HIGHWAY NO. 85
 EQ1012'AND U.S. HIGHWAY NO. 60 IN THE WEST PART OF BERNARDO, GO

EQ1012'SOUTHWEST ON U.S. HIGHWAY NO. 85 FOR 1.2 MILES TO A BRIDGE,
 EQ1012'CONTINUE STRAIGHT AHEAD FOR 0.4 MILE TO A SIDE ROAD ON THE
 EQ1012'RIGHT, TURN RIGHT AND GO NORTHWESTERLY FOR 2.0 MILES TO A FORK,
 EQ1012'TAKE THE LEFT FORK AND GO 0.7 MILE TO A FORK AND GATE, TAKE
 EQ1012'THE LEFT FORK AND PASS THROUGH THE GATE AND GO 0.2 MILE TO A
 EQ1012'FORK, TAKE THE RIGHT FORK AND GO 1.3 MILES TO A GATE, PASS
 EQ1012'THROUGH THE GATE AND GO 2.0 MILES TO A GATE, PASS THROUGH THE
 EQ1012'GATE AND GO 0.9 MILE TO A FORK AND A CATTLE GUARD, TAKE THE
 EQ1012'RIGHT FORK AND CROSS THE CATTLE GUARD AND GO 0.1 MILE TO A
 EQ1012'FORK, TAKE THE RIGHT FORK AND GO 2.9 MILES TO A FORK AND OLD
 EQ1012'RANCH HOUSE ON THE LEFT, TAKE THE RIGHT FORK AND GO 6.2
 EQ1012'MILES TO A FORK AND A CATTLE GUARD, TAKE THE LEFT FORK ACROSS
 EQ1012'THE CATTLE GUARD AND GO 1.0 MILE TO CROSS ROAD, CONTINUE STRAIGHT
 EQ1012'AHEAD AND GO 1.2 MILES TO A GATE, PASS THROUGH THE GATE AND
 EQ1012'GO 0.7 MILE TO A DIM TRACK ROAD ON THE RIGHT, TURN RIGHT
 EQ1012'AND GO 1.9 MILES TO THE AZIMUTH MARK ON THE LEFT AS
 EQ1012'DESCRIBED, CONTINUE AHEAD FOR 1.4 MILES TO A OLD RANCH
 EQ1012'HOUSE, CONTINUE STRAIGHT AHEAD FOR 0.1 MILE TO A GATE AND
 EQ1012'FORK, TAKE THE RIGHT FORK, PASS THROUGH THE GATE AND GO
 EQ1012'1.0 MILE TO A DIM TRACK ROAD ON THE RIGHT, TURN RIGHT AND
 EQ1012'FOLLOW DIM TRACK ROAD ACROSS COUNTRY FOR 1.0 MILE TO THE END OF
 EQ1012'TRUCK TRAVEL, FROM HERE PACK NORTHEAST TO THE TOP OF HILL AND
 EQ1012'THE STATION AS DESCRIBED.
 EQ1012'
 EQ1012'A 1 HOUR AND 30 MINUTES PACK.
 EQ1012'
 EQ1012'HEIGHT OF LIGHT ABOVE STATION MARK 1.0 METERS.

1 National Geodetic Survey, Retrieval Date = NOVEMBER 24, 2017

FM0938 *****

FM0938 DESIGNATION - BROWN

FM0938 PID - FM0938

FM0938 STATE/COUNTY- NM/HARDING

FM0938 COUNTRY - US

FM0938 USGS QUAD - MC CARTY RANCH (1966)

FM0938

FM0938 *CURRENT SURVEY CONTROL

FM0938

FM0938* NAD 83(1992) POSITION- 35 31 51.40790(N) 103 25 55.25217(W) ADJUSTED

FM0938* [NAVD 88](#) ORTHO HEIGHT - 1319.3 (meters) 4328. (feet) VERTCON

FM0938

FM0938 GEOID HEIGHT - -22.725 (meters) GEOID12B

FM0938 LAPLACE CORR - -2.61 (seconds) DEFLEC12B

FM0938 HORZ ORDER - SECOND

FM0938

FM0938.The horizontal coordinates were established by classical geodetic methods

FM0938.and adjusted by the National Geodetic Survey in December 1993.

FM0938.

FM0938.The NAVD 88 height was computed by applying the VERTCON shift value to

FM0938.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)

FM0938

FM0938.Significant digits in the geoid height do not necessarily reflect accuracy.

FM0938.GEOID12B height accuracy estimate available [here](#).

FM0938

FM0938.The Laplace correction was computed from DEFLEC12B derived deflections.

FM0938

FM0938. The following values were computed from the NAD 83(1992) position.

FM0938

FM0938;	North	East	Units	Scale Factor	Converg.
FM0938;SPC NM E	- 502,852.648	246,738.405	MT	0.99999140	+0 31 25.8
FM0938;SPC NM E	- 1,649,775.73	809,507.58	sFT	0.99999140	+0 31 25.8
FM0938;UTM 13	- 3,933,056.199	642,156.712	MT	0.99984903	+0 54 41.0
FM0938!	- Elev Factor	x	Scale Factor	=	Combined Factor
FM0938!SPC NM E	- 0.99979653	x	0.99999140	=	0.99978793
FM0938!UTM 13	- 0.99979653	x	0.99984903	=	0.99964559

FM0938

FM0938: Primary Azimuth Mark Grid Az
 FM0938:SPC NM E - BROWN AZ MK 070 18 03.6
 FM0938:UTM 13 - BROWN AZ MK 069 54 48.4

FM0938

FM0938_U.S. NATIONAL GRID SPATIAL ADDRESS: 13SFV4215633056(NAD 83)

FM0938

PID	Reference Object	Distance	Geod. Az
			ddmmss.s
CJ6727	BROWN AZ MK		0704929.4
FM0954	LOS ANGELES AMARILLO AWY BN 88	APPROX.43.3 KM	1475812.4
FM0969	LOS ANGELES AMARILLO AWY BN 87	APPROX.38.3 KM	1770001.4
CJ6728	BROWN RM 1	76.078 METERS	24642
CJ6729	BROWN RM 2	77.535 METERS	29622

FM0938

FM0938

SUPERSEDED SURVEY CONTROL

FM0938

FM0938 NAD 83(1986)- 35 31 51.41759(N) 103 25 55.24790(W) AD() 2
 FM0938 NAD 27 - 35 31 51.24990(N) 103 25 53.39790(W) AD() 2
 FM0938 NGVD 29 (07/19/86) 1318.7 (m) 4326. (f) VERT ANG

FM0938

FM0938.Superseded values are not recommended for survey control.

FM0938

FM0938.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

FM0938.See file [dsdata.pdf](#) to determine how the superseded data were derived.

FM0938

FM0938_MARKER: DS = TRIANGULATION STATION DISK

FM0938_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

FM0938

HISTORY	Date	Condition	Report By
HISTORY	1935	MONUMENTED	CGS
HISTORY	1948	GOOD	CGS

FM0938

FM0938

STATION DESCRIPTION

FM0938

FM0938'DESCRIBED BY COAST AND GEODETIC SURVEY 1935 (WRP)
 FM0938'LOCATED 12 MILES AIR LINE NORTH OF LOGAN, 0.9 MILE SOUTHWEST
 FM0938'OF THE RANCH HOUSE OF MR. BROWN, 0.7 MILE SOUTH OF A WELL-TRAVELED
 FM0938'RANCH ROAD, 229 FEET EAST OF A FENCE, 1/2 MILE SOUTHWEST
 FM0938'OF A DRAW, ON A PROMINENT SAND HILL, WHICH IS THE HIGHEST
 FM0938'POINT IN THE VICINITY. TO REACH THE STATION FROM LOGAN POST
 FM0938'OFFICE DRIVE 1/2 BLOCK EAST, TURN LEFT GO NORTH 0.6 MILE AND
 FM0938'THEN LEFT (WEST) 0.2 MILE ON STATE HIGHWAY 39, TURN RIGHT
 FM0938'OFF THE HIGHWAY AND GO NORTH 6.9 MILES ON A FAIR, SECTION-LINE
 FM0938'ROAD, PASS ADOBE RANCH BUILDINGS, AND CONTINUE NORTH ON POOR
 FM0938'SECTION-LINE ROAD 1.7 MILES, TAKE LEFT FORK NORTHWEST TO
 FM0938'GATE AND ABANDONED CATTLE GUARD, PASS THROUGH GATE AND TAKE
 FM0938'RIGHT FORK NORTH AND THEN NORTHWEST 0.8 MILE, TAKE THE
 FM0938'MAIN RIGHT FORK 1/4 MILE EAST OF THE WINDMILL, TAKE RIGHT
 FM0938'FORK AND GO 2.2 MILES, AT CATTLE GUARD LEADING INTO THE
 FM0938'BROWN RANCH YARD TAKE THE LEFT FORK ON A WELL-TRAVELED
 FM0938'TRAIL AND GO 0.2 MILE, TAKE THE RIGHT FORK AND GO 0.4
 FM0938'MILE, LEAVE TRAIL HERE AND DRIVE SOUTH 0.7 MILE
 FM0938'ACROSS THE COUNTRY UP THE SIDE OF A SAND HILL TO THE HIGHEST
 FM0938'POINT AND STATION. THE SURFACE, UNDERGROUND, REFERENCE,
 FM0938'AND AZIMUTH MARKS ARE STANDARD DISKS SET IN CONCRETE.
 FM0938'REFERENCE MARK NO. 1 IS
 FM0938'1 FOOT EAST OF A FENCE AND 249.60 FEET (SLOPE DISTANCE)
 FM0938'FROM STATION S 66 DEG 42 MIN W, AND NO. 2 IS 1
 FM0938'FOOT EAST OF FENCE AND 254.38 FEET (SLOPE DISTANCE) FROM
 FM0938'STATION N 63 DEG 38 MIN W. THE AZIMUTH MARK IS 1 FOOT
 FM0938'SOUTH OF FENCE, 7 FEET EAST OF THE CATTLE GUARD, 16 FEET
 FM0938'EAST OF FENCE CORNER, ABOUT 200 YARDS SOUTH OF BROWNS RANCH

FM0938'HOUSE, AND 0.9 MILE FROM STATION N 70 DEG 49 MIN E.

FM0938

FM0938 STATION RECOVERY (1948)

FM0938

FM0938'RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1948 (CFO)

FM0938'STATION FOUND AS DESCRIBED AND ALL MARKS FOUND AND IN GOOD

FM0938'CONDITION. OLD DESCRIPTION AND MILAGES ARE STILL THE BEST

FM0938'TO USE TO STATION.

*** retrieval complete.

Elapsed Time = 00:00:03