

# The NGS Data Sheet

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

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DATABASE = ,PROGRAM = datasheet, VERSION = 7.71
1      National Geodetic Survey,  Retrieval Date = SEPTEMBER 30, 2009
HJ0412 *****
HJ0412 DESIGNATION - PACKERS GAP
HJ0412 PID - HJ0412
HJ0412 STATE/COUNTY- CO/OTERO
HJ0412 USGS QUAD - PACKERS GAP (1993)
HJ0412
HJ0412 *CURRENT SURVEY CONTROL
HJ0412
HJ0412* NAD 83(1992)- 37 44 25.31720(N) 103 38 48.58336(W) ADJUSTED
HJ0412* NAVD 88 - 1478.3 (meters) 4850. (feet) VERTCON
HJ0412
HJ0412 LAPLACE CORR- -3.40 (seconds) DEFLEC99
HJ0412 GEOID HEIGHT- -21.33 (meters) GEOID03
HJ0412 HORZ ORDER - FIRST
HJ0412
HJ0412.The horizontal coordinates were established by classical geodetic methods
HJ0412.and adjusted by the National Geodetic Survey in January 1993.
HJ0412
HJ0412.The NAVD 88 height was computed by applying the VERTCON shift value to
HJ0412.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)
HJ0412
HJ0412.The Laplace correction was computed from DEFLEC99 derived deflections.
HJ0412
HJ0412.The geoid height was determined by GEOID03.
HJ0412
HJ0412;
HJ0412; North East Units Scale Factor Converg.
HJ0412;SPC CO S - 425,583.834 1,077,723.190 MT 0.99994673 +1 08 12.1
HJ0412;SPC CO S - 1,396,269.63 3,535,830.17 sFT 0.99994673 +1 08 12.1
HJ0412;UTM 13 - 4,177,870.550 619,225.266 MT 0.99977508 +0 49 42.1
HJ0412
HJ0412! - Elev Factor x Scale Factor = Combined Factor
HJ0412!SPC CO S - 0.99977142 x 0.99994673 = 0.99971816
HJ0412!UTM 13 - 0.99977142 x 0.99977508 = 0.99954655
HJ0412
HJ0412: Primary Azimuth Mark Grid Az
HJ0412:SPC CO S - PACKERS GAP AZ MK 001 56 54.7
HJ0412:UTM 13 - PACKERS GAP AZ MK 002 15 24.7
HJ0412
HJ0412|-----|
HJ0412| PID Reference Object Distance Geod. Az |
HJ0412| | | | | dddmmss.s |
HJ0412| CM9661 PACKERS GAP AZ MK 0030506.8 |
HJ0412| CM9662 PACKERS GAP RM 1 26.902 METERS 08613 |
HJ0412| CM9663 PACKERS GAP RM 2 16.913 METERS 33303 |
HJ0412|-----|
HJ0412
HJ0412 SUPERSEDED SURVEY CONTROL
HJ0412
HJ0412 NAD 83(1986)- 37 44 25.29556(N) 103 38 48.57366(W) AD( ) 1
HJ0412 NAD 27 - 37 44 25.25300(N) 103 38 46.75700(W) AD( ) 1
HJ0412 NGVD 29 (07/19/86) 1477.6 (m) 4848. (f) VERT ANG
HJ0412
HJ0412.Superseded values are not recommended for survey control.
HJ0412.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

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HJ0412. [See file dsdata.txt](#) to determine how the superseded data were derived.

HJ0412

HJ0412 U.S. NATIONAL GRID SPATIAL ADDRESS: 13SFB1922577871(NAD 83)

HJ0412 MARKER: DS = TRIANGULATION STATION DISK

HJ0412 SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

HJ0412

HJ0412	HISTORY	- Date	Condition	Report By
HJ0412	HISTORY	- 1952	MONUMENTED	CGS
HJ0412	HISTORY	- 1972	GOOD	USGS

HJ0412

HJ0412 STATION DESCRIPTION

HJ0412

HJ0412'DESCRIBED BY COAST AND GEODETIC SURVEY 1952 (LGB)

HJ0412'THE STATION IS ABOUT 16 MILES SOUTH-SOUTHWEST OF LA JUNTA,

HJ0412'ABOUT 8 MILES SOUTHEAST OF TIMPAS AND NEAR THE HIGHEST PART

HJ0412'OF A MESA OR BENCH THAT SLOPES GENTLY FROM THE NORTH AND

HJ0412'DROPS ABRUPTLY FOR ABOUT 60 FEET JUST SOUTH OF THE STATION.

HJ0412'

HJ0412'REACHED FROM THE JUNCTION OF U.S. HIGHWAYS 50 AND 350 AND

HJ0412'STATE HIGHWAY 10 AT THE WEST EDGE OF LA JUNTA BY DRIVING

HJ0412'SOUTHWEST ALONG U.S. HIGHWAY 350 FOR 10.85 MILES TO A

HJ0412'GRAVEL ROAD LEFT AT SIGN, ROUND RANCH 5 MILES. TURN LEFT

HJ0412'AS PER SIGN AND DRIVE SOUTHERLY FOR 3.95 MILES TO A T

HJ0412'INTERSECTION. TURN LEFT AND GO 0.75 MILE TO A SIDE ROAD RIGHT JUST

HJ0412'AFTER CROSSING A CATTLE GUARD. TURN RIGHT AND FOLLOW THE

HJ0412'MAIN TRAVELED ROAD SOUTH FOR 4.9 MILES TO A DIM TRACK

HJ0412'ROAD LEFT, THIS ROAD IS 0.5 MILE AFTER PASSING A RANCH

HJ0412'HOUSE ON THE RIGHT SIDE OF ROAD. TURN LEFT AND FOLLOW DIM

HJ0412'ROAD EAST THEN SOUTH FOR 2.05 MILES TO THE AZIMUTH MARK ON

HJ0412'THE LEFT (EAST) SIDE OF ROAD. CONTINUE STRAIGHT AHEAD FOR

HJ0412'0.45 MILE TO A FENCE CORNER AND THE END OF THE ROAD. TURN

HJ0412'RIGHT, LEAVING THE ROAD, AND DRIVE WEST, CROSS COUNTRY,

HJ0412'FOR 0.15 MILE TO THE STATION. A DRIVE STATION.

HJ0412'

HJ0412'THE STATION IS ABOUT 64 YARDS NORTHWEST OF THE HIGHEST PART

HJ0412'OF THE BENCH, ABOUT 25 YARDS NORTH OF THE RIM AND 12 FEET

HJ0412'SOUTHEAST OF A 4-INCH SQUARE WITNESS POST. THE MARK IS A

HJ0412'STANDARD DISK SET IN THE TOP OF A 12-INCH SQUARE CONCRETE

HJ0412'POST THAT PROJECTS 1 INCH ABOVE THE GROUND. THE MARK IS STAMPED

HJ0412'PACKERS GAP 1952.

HJ0412'

HJ0412'REFERENCE MARK 1 IS APPROXIMATELY THE SAME ELEVATION AS THE

HJ0412'STATION. IT IS A STANDARD DISK SET IN THE TOP OF A 12-INCH

HJ0412'SQUARE CONCRETE POST THAT PROJECTS 2 INCHES ABOVE THE GROUND.

HJ0412'THE MARK IS STAMPED PACKERS GAP NO 1 1952.

HJ0412'

HJ0412'REFERENCE MARK 2 IS APPROXIMATELY THE SAME ELEVATION AS THE

HJ0412'STATION MARK. THE MARK IS A STANDARD DISK SET IN THE TOP

HJ0412'OF A 12-INCH SQUARE CONCRETE POST THAT PROJECTS ABOUT 4 INCHES

HJ0412'ABOVE THE GROUND SURFACE. THE MARK IS STAMPED PACKERS GAP

HJ0412'NO 2 1952.

HJ0412'

HJ0412'THE AZIMUTH MARK IS LOCATED ALONG THE ROAD TO THE STATION, 18

HJ0412'FEET EAST OF THE CENTER LINE OF THE ROAD AND 4 FEET SOUTHWEST

HJ0412'OF A 4-INCH SQUARE WITNESS POST. THE MARK IS A STANDARD DISK

HJ0412'SET IN THE TOP OF A 12-INCH SQUARE CONCRETE POST THAT PROJECTS

HJ0412'4 INCHES ABOVE THE GROUND. THE MARK IS STAMPED PACKERS GAP 1952.

HJ0412

HJ0412 STATION RECOVERY (1972)

HJ0412

HJ0412'RECOVERY NOTE BY US GEOLOGICAL SURVEY 1972 (JEP)

HJ0412'TO REACH FROM THE JCT. OF U.S. HWY. 50 AND STATE HWY. 109 IN

HJ0412'LA JUNTA, PROCEED SOUTH ON HWY 109 FOR 13.4 MILES TO JCT. OF

HJ0412'GRAVEL ROAD WEST, PROCEED WEST ON GRAVEL ROAD FOR 8.1 MILES TO

HJ0412'RD. JCT. TURN SOUTH (LEFT) AND PROCEED 1.0 MILES TO CATTLEGUARD

HJ0412'AND GATE ON RIGHT SIDE OF ROAD. PROCEED THROUGH GATE (WEST)

HJ0412'FOR 1.9 MILES ON TRACK ROAD TO JCT. OF TRACK ROAD NORTH. TURN

HJ0412'NORTH (RIGHT) AND PROCEED ON TRACK ROAD NORTHERLY AND THEN  
HJ0412'EASTERLY FOR 1.45 MILES TO TOP OF BLUFF, THEN PROCEED  
HJ0412'SOUTHERLY 0.5 MILES SOUTH CROSS COUNTRY TO STATION. TO REACH  
HJ0412'AZIMUTH MARK, PROCEED ANOTHER 0.5 MILES ON ROAD.

\*\*\* retrieval complete.  
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