

HERREN 1J-33H-H367 WELL LOCATION EXHIBIT

2½" ALUM. CAP
PLS 20680, 2018

2½" ALUM. CAP
ILLEGIBLE

S89°17'33"E 2599.21'

S89°15'46"E 2597.84'

2" ALUM CAP
ILLEGIBLE

N00°11'12"W 2656.61'

N00°08'36"W 2650.96'

S00°17'08"E 2643.61'

2½" ALUM. CAP
LS 23501

N89°16'38"W 4281.27'

EXISTING WELL HERREN 42-33

HERREN 1J-33H-H367

TPZ: 2521' FNL
460' FEL

S09°08'20"W
209.68'

33

S89°24'59"E 2597.12'

S89°25'36"E 2604.30'

2½" ALUM. CAP
PLS 24305, 1998

N00°02'32"E 2632.26'

N00°08'09"W 2641.31'

S00°10'28"E 2683.23'

2½" ALUM. CAP
LS 38305, 2015

N89°13'10"W 2605.43'

2½" ALUM. CAP
PLS 36073, 2013

N88°30'22"W 2606.96'

2½" ALUM. CAP
ILLEGIBLE

NOTES:

BH LOCATION PROVIDED BY CLIENT.
LAND SURFACE USE - IRRIGATED CROP
EXISTING WELL HERREN 42-33 IS 143' NW AT
2176' FNL & 464' FEL.
SEE LOCATION DRAWING FOR ADDITIONAL
IMPROVEMENTS WITHIN 500'

PDOP=1.3
GPS OPERATOR: DOMINICK DAVIS

SURFACE LOCATION:

GROUND ELEVATION=4849'
NAD83
LATITUDE:40.183128° N
LONGITUDE:104.887269° W

TOP OF PRODUCTION ZONE LOCATION:

NAD83
LATITUDE:40.182560° N
LONGITUDE:104.887388° W

BOTTOM HOLE LOCATION:

NAD83
LATITUDE:40.182707° N
LONGITUDE:104.902706° W

LEGEND

- ⊕ = EXISTING MONUMENT ✦ = BOTTOM HOLE
- = CALCULATED POSITION ▲ = TOP OF PRODUCTION ZONE
- = PROPOSED WELL TPZ = TOP OF PRODUCTION ZONE
- ◆ = EXISTING WELL BHL = BOTTOM HOLE LOCATION

NOTES:

1. THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
2. ALL DISTANCES AND BEARINGS SHOWN HEREON ARE GROUND VALUES AS GPS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO LINES SHOWN HEREON. THIS LOW DISTORTION PROJECTION (LDP) IS BASED ON THE NORTH AMERICAN DATUM OF 1983, U.S. SURVEY FOOT WITH A LATITUDE ORIGIN OF 40 218478"N, A CENTRAL MERIDIAN LONGITUDE OF 104.886099"W, AND A SCALE FACTOR ON THE CENTRAL MERIDIAN OF 1.000227 (EXACT). THE LDP BASIS OF BEARINGS IS GEODETIC NORTH.
3. FIELD VERIFICATION OF MONUMENTS COMPLETED WITHIN 1 YEAR OF SIGNATURE DATE, UNLESS OTHERWISE NOTED.

**WELL HERREN 1J-33H-H367 TO BE
LOCATED 2314' FNL & 426' FEL**

I, ROBERT J. GUFFEY, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO, DO HEREBY STATE TO CRESTONE PEAK RESOURCES THAT THE WELL LOCATION EXHIBIT SHOWN HEREON WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THE DRAWING SHOWN HEREON ACCURATELY DEPICTS THE PROPOSED LOCATION OF THE WELL. THIS EXHIBIT MEETS THE REQUIREMENTS OF A GIS LAND POSITION AS DEFINED BY SECTION 38-51-102 (7.5) C.R.S. AND AS SUCH PER SECTION 38-51-109.3 C.R.S. CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

ROBERT J. GUFFEY, PLS 20680
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC
d.b.a. ASCENT GEOMATICS SOLUTIONS



NOTICE: ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THIS SAID DATE OF THIS CERTIFICATION SHOWN HEREON.

SHEET 1 OF 1

<p style="font-size: 8pt;">7535 Hilltop Circle Denver, CO 80221 (303) 978-7128 www.ascentgeomatics.com</p>	FIELD DATE: 02-13-18	WELL NAME: HERREN 1J-33H-H367	
	DRAWING DATE: 03-15-18	SURFACE LOCATION: SE 1/4 NE 1/4 SEC. 33, T3N, R67W, 6TH P.M. WELD COUNTY, COLORADO	
BY: MJE	CHECKED: RMC		