

[illegible]

- 1: GEODETIC POSITIONS ARE SHOWN IN DECIMAL DEGREES BASED ON NAD83.
- 2: UNITS OF MEASUREMENT: U.S. SURVEY FOOT
- 3: EXISTING GROUND ELEVATION: 6932.6'. PROPOSED PAD ELEVATION: 6932.37'. ELEVATIONS HAVE BEEN DERIVED USING GPS OBSERVATIONS, GEOID 09, NAVD 88.
- 4: ALL SURFACE AND BOTTOM HOLE LOCATIONS ARE MEASURED AT 90° ANGLES FROM SECTION LINES.
- 5: BASIS OF BEARINGS: N 00°22'06" E BETWEEN FOUND MONUMENT AS SHOWN HEREON.
- 6: SEE SHEET 1E FOR EXISTING IMPROVEMENTS LOCATED IN THE VICINITY OF PROPOSED WELL.
- 7: SURFACE USE: WILDLIFE AREA
- 8: USGS QUAD MAP: NEW CASTLE
- 9: GPS OPERATOR: KYLE TESKY OBSERVED AN AVERAGE PDOP OF ≤ 3.0 FOR ALL SURVEY MEASUREMENTS DEPICTED ON THIS AN SUBSEQUENT SHEETS. ALL GPS OBSERVATIONS ARE IN COMPLIANCE WITH COGCC RULE NO. 215

<i>FEDERAL 14/15-4-21 NAD83</i>	
<i>SURFACE HOLE LOCATION</i>	<i>SECTION LINE TIES</i>
<i>LATITUDE = 39.514420°N</i>	<i>FEL = 736'</i>
<i>LONGITUDE = 107.552479°W</i>	<i>FNL = 2339'</i>
<i>BOTTOM HOLE LOCATION</i>	
<i>LATITUDE = 39.517689°N</i>	<i>FEL = 666'</i>
<i>LONGITUDE = 107.552300°W</i>	<i>FNL = 1149'</i>

 - FOUND MONUMENT AS DESCRIBED HEREON
 - SURFACE HOLE LOCATION (SHL)
 - BOTTOM HOLE LOCATION (BHL)

I, ELWOOD BARRY GILES, BEING A REGISTERED LAND SURVEYOR IN THE STATE OF COLORADO, DO HEREBY CERTIFY THAT THIS PLAT REPRESENTS A SURVEY PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION BETWEEN APRIL, 2010 & JANUARY, 2011, AND IS TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF. THE REFERENCE POINT WAS STAKED IN THE FIELD AS SHOWN HEREON APRIL 23, 2010.

Elwood Barry Giles
ELWOOD BARRY GILES
COLORADO LS 38150

Aug. 9, 2011
DATE

Rev. 8/9/11: Update Cert.



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$$1'' = 1000'$$

Sheet 1C of 9

Federal 14/15-4-21

Well Location Plat - Federal 14/15-4-21
NE $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 21, T.6S., R.91W., 6TH P.M.

Job# 2010-112.001	Date: 6/15/2011	By: BG	File: APD_Pad21B
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