

# CANVASBACK 32-5HN WELL LOCATION EXHIBIT

2½" ALUM CAP  
37897, 2010  
(FIELD DATE  
11-27-17)

2½" ALUM CAP  
28285, NO DATE

N88°43'13"E 2663.33'

2½" ALUM CAP  
PLS 35597, 2013

N88°32'53"E 2674.29'

SURFACE LOCATION:  
GROUND ELEVATION=4945'  
NAD83  
LATITUDE:40.705420° N  
LONGITUDE:104.123670° W

N03°15'41"W 2595.23'

**NOTES:**  
BH LOCATION PROVIDED BY CLIENT.  
LAND SURFACE USE- RANGELAND  
SEE LOCATION DRAWING FOR ADDITIONAL  
IMPROVEMENTS WITHIN 500'

LANDING POINT LOCATION:  
NAD83  
LATITUDE:40.702831° N  
LONGITUDE:104.124655° W

PDOP= 1.3  
GPS OPERATOR: BRIAN HOPKINSON

BOTTOM HOLE LOCATION:  
NAD83  
LATITUDE:40.702961° N  
LONGITUDE:104.107736° W

CANVASBACK 32-5HN

2½" ALUM CAP  
PLS 38061, 2011

2½" ALUM CAP  
PLS 35597, 2013

# 32

N03°18'32"W 2576.49'

S16°10'45"W  
982.42'

**BHL: 1520' FSL  
300' FEL**

**LP: 1520' FSL  
301' FWL**

N89°26'26"E 4692.44'

S02°33'12"E 2621.97'

S02°35'02"E 2622.19'

2½" ALUM CAP  
PLS 35597, 2013

S89°25'35"W 2636.89'

2½" ALUM CAP  
PLS 35597, 2013

S89°27'17"W 2636.59'

MARKED STONE

### LEGEND

- ⊙ = EXISTING MONUMENT      ✦ = BOTTOM HOLE
- = CALCULATED POSITION    ▲ = LANDING POINT
- = PROPOSED WELL        LP = LANDING POINT
- ◆ = EXISTING WELL        BHL = BOTTOM HOLE LOCATION

**WELL CANVASBACK 32-5HN TO BE  
LOCATED 2461' FSL & 628' FWL**



- 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 40.655085°N, A CENTRAL MERIDIAN LONGITUDE OF 104.086861°W, AND A SCALE FACTOR ON THE CENTRAL MERIDIAN OF 1.000232 (EXACT). THE LDP BASIS OF BEARINGS IS GEODETIC NORTH.
  3. FIELD VERIFICATION OF MONUMENTS COMPLETED WITHIN 1 YEAR OF SIGNATURE DATE, UNLESS OTHERWISE NOTED.

I, ROBERT J. GUFFEY, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO, DO HEREBY STATE TO **MALLARD EXPLORATION** 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.



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 BE BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THIS SAID DATE OF THIS CERTIFICATION SHOWN HEREON.

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

 <p>7535 Hilltop Circle Denver, CO 80221 (303) 928-7128 www.ascentgeomatics.com</p>	FIELD DATE: <b>10-19-18</b>	WELL NAME: <b>CANVASBACK 32-5HN</b>	PREPARED FOR:  <p><b>MALLARD EXPLORATION</b></p>
	DRAWING DATE: <b>10-20-18</b>	SURFACE LOCATION: <b>NW 1/4 SW 1/4 SEC. 32, T9N, R60W, 6TH P.M. WELD COUNTY, COLORADO</b>	
BY: <b>ACM</b>	CHECKED: <b>DNS</b>		