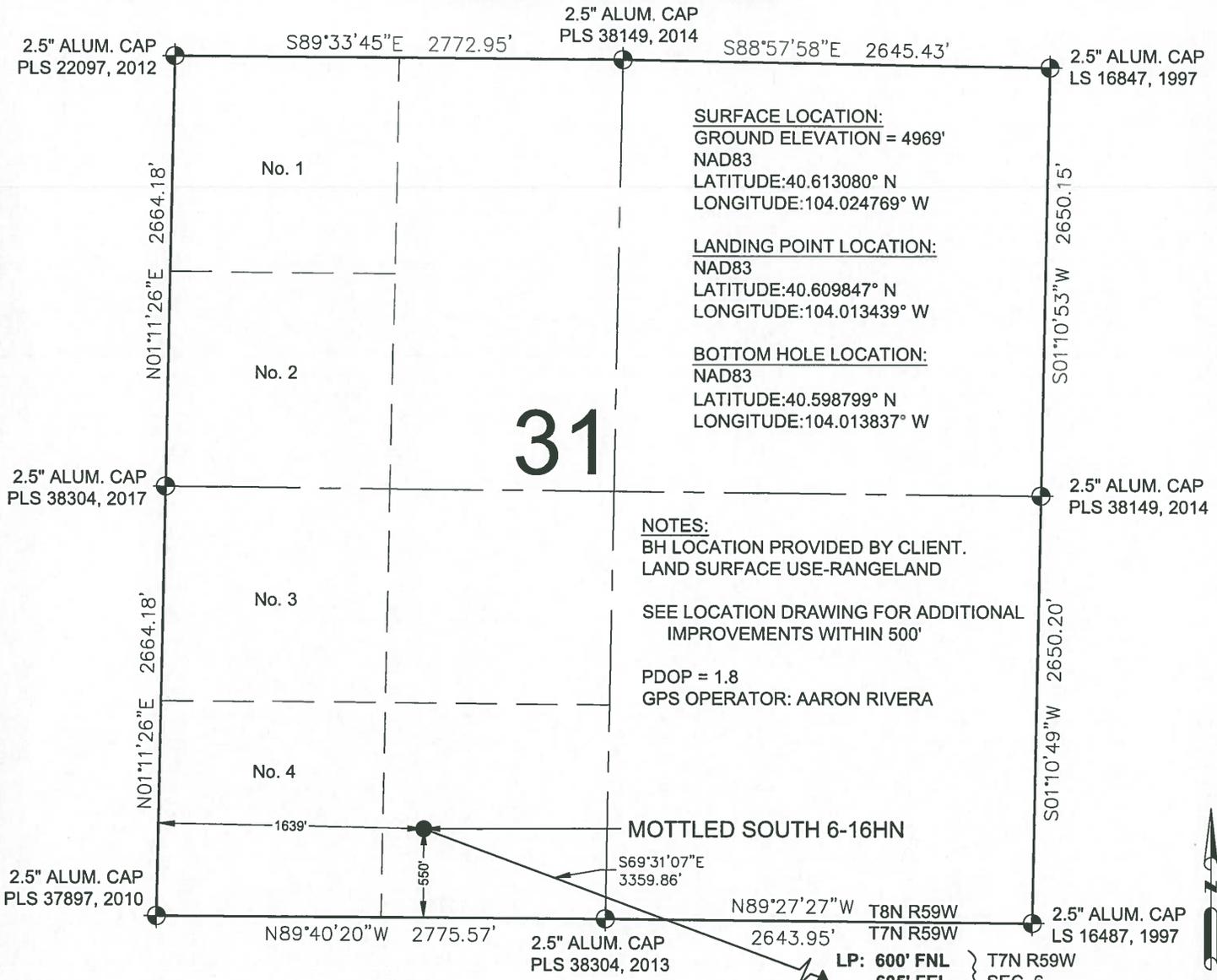


# MOTTLED SOUTH 6-16HN WELL LOCATION EXHIBIT



**SURFACE LOCATION:**  
GROUND ELEVATION = 4969'  
NAD83  
LATITUDE:40.613080° N  
LONGITUDE:104.024769° W

**LANDING POINT LOCATION:**  
NAD83  
LATITUDE:40.609847° N  
LONGITUDE:104.013439° W

**BOTTOM HOLE LOCATION:**  
NAD83  
LATITUDE:40.598799° N  
LONGITUDE:104.013837° W

**NOTES:**  
BH LOCATION PROVIDED BY CLIENT.  
LAND SURFACE USE-RANGELAND

SEE LOCATION DRAWING FOR ADDITIONAL IMPROVEMENTS WITHIN 500'

PDOP = 1.8  
GPS OPERATOR: AARON RIVERA

## WELL MOTTLED SOUTH 6-16HN TO BE LOCATED 550' FSL & 1639' FWL

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

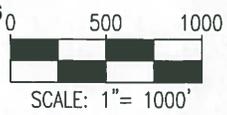
**NOTES:**

- THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
- 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.
- FIELD VERIFICATION OF MONUMENTS COMPLETED WITHIN 1 YEAR OF SIGNATURE DATE, UNLESS OTHERWISE NOTED.

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.

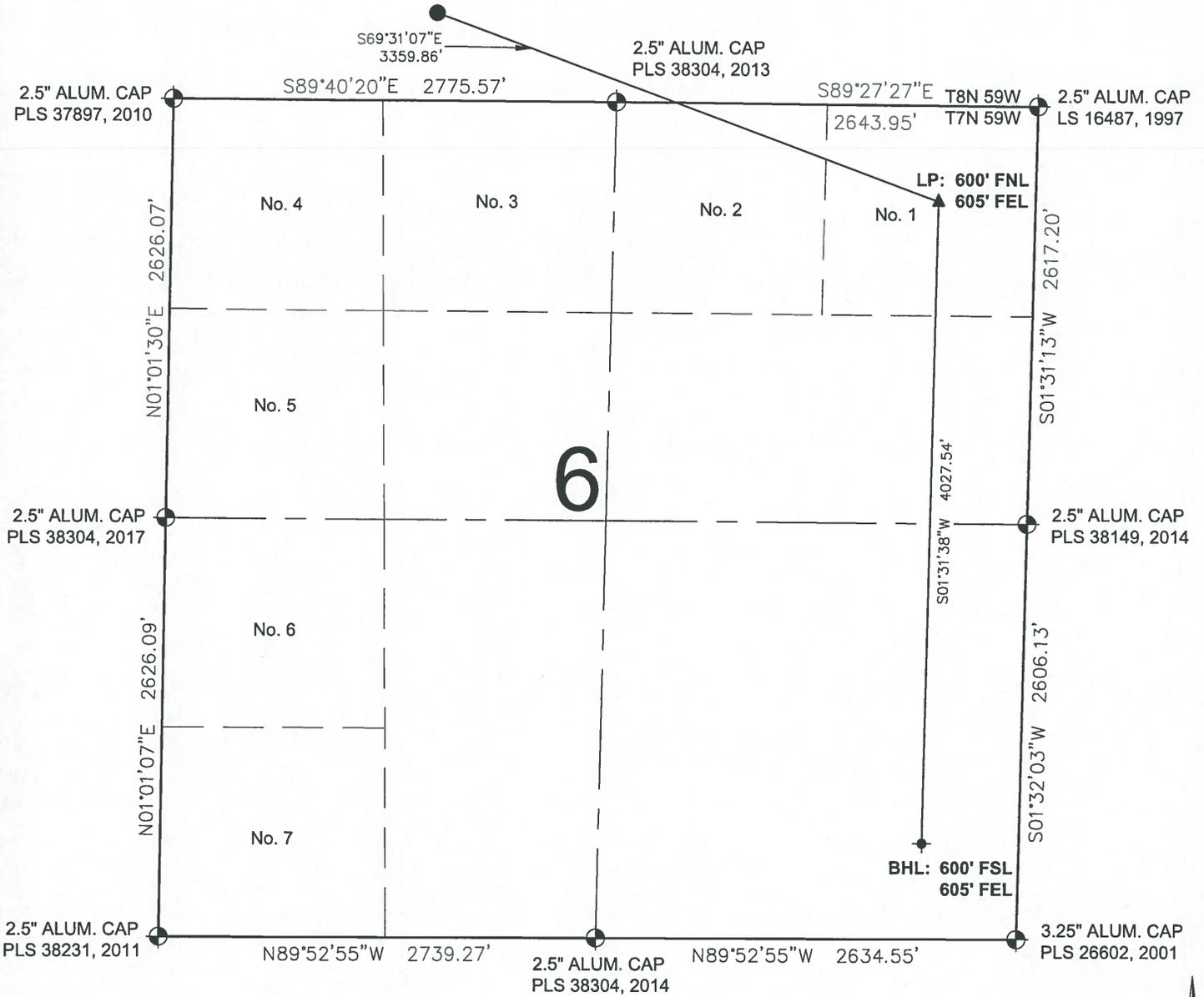
I, ROBERT J. GUFFEY, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO, DO HEREBY STATE TO **MALLARD EXPLORATION** THAT THE WELL LOCATION EXHIBIT SHOWN HEREON WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THE DRAWING SHOWN HEREON ACCURATELY DEPICTS THE PROPOSED LOCATION OF THE WELL. 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.

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: 09-15-17	WELL NAME: MOTTLED SOUTH 6-16HN	PREPARED FOR: 
	DRAWING DATE: 04-11-18	SURFACE LOCATION: SE 1/4 SW 1/4 SEC. 31, T8N, R59W, 6TH P.M. WELD COUNTY, COLORADO	
BY: VQD	CHECKED: IJM		

# MOTTLED SOUTH 6-16HN WELL LOCATION EXHIBIT



**LEGEND**

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

ROBERT J. GUFFEY, PLS 20680  
 COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
 FOR AND ON BEHALF OF P.F.S., LLC  
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SHEET 2 OF 2

 <p>7535 Hilltop Circle                  Denver, CO 80221                  (303) 928-7128                  www.ascentgeomatics.com</p>	FIELD DATE: 09-15-17	WELL NAME: MOTTLED SOUTH 6-16HN	PREPARED FOR:  <p><b>MALLARD</b> EXPLORATION</p>
	DRAWING DATE: 04-11-18	SURFACE LOCATION: SE 1/4 SW 1/4 SEC. 31, T8N, R59W, 6TH P.M. WELD COUNTY, COLORADO	
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