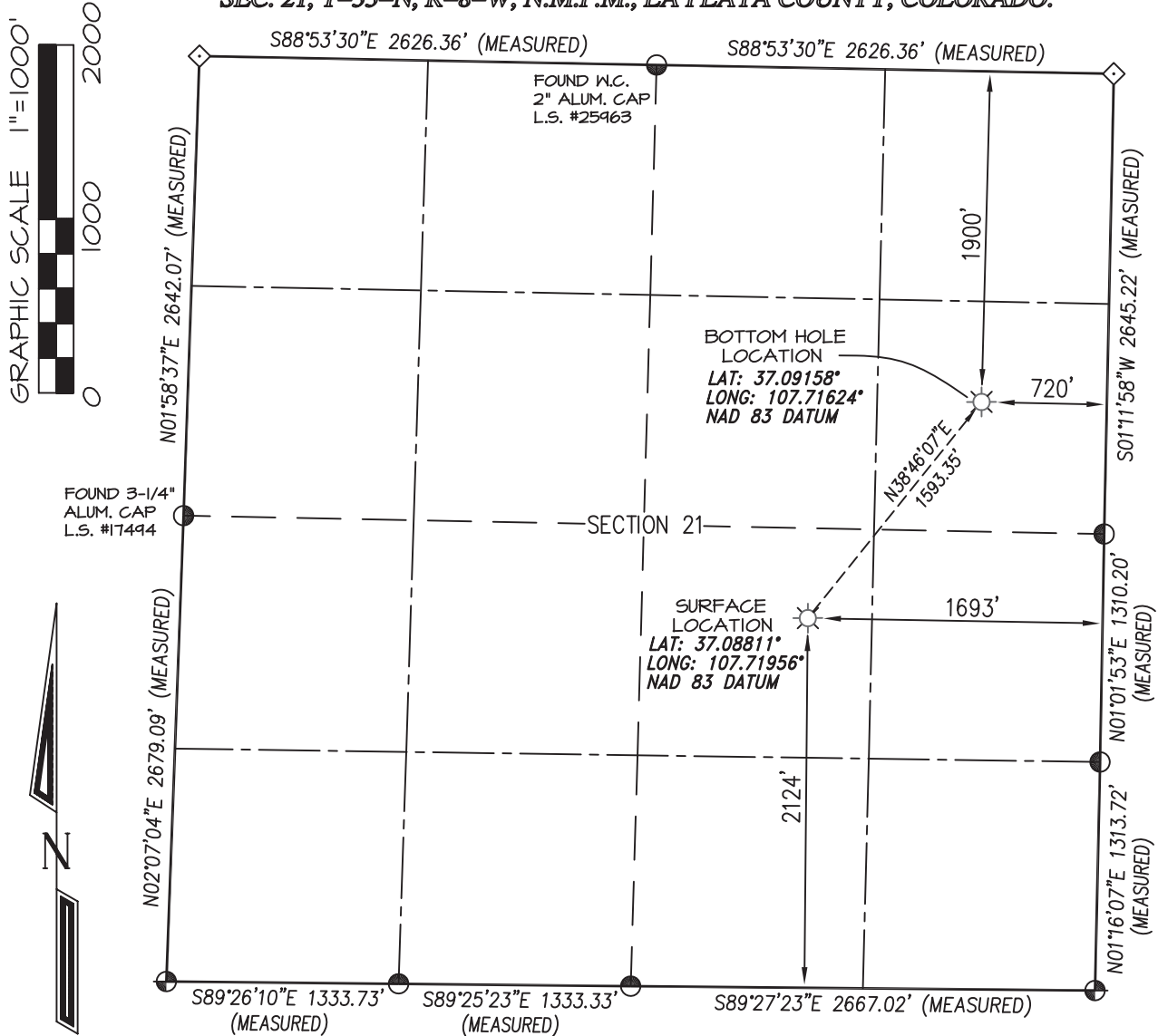


# ELM RIDGE EXPLORATION COMPANY, LLC: IGS 146

SURFACE LOCATION: 2124' FSL & 1693' FEL  
SEC. 21, T-33-N, R-8-W, N.M.P.M., LA PLATA COUNTY, COLORADO.  
GROUND LEVEL ELEVATION: 6876'

BOTTOM HOLE LOCATION: 1900' FNL, 720' FEL  
SEC. 21, T-33-N, R-8-W, N.M.P.M., LA PLATA COUNTY, COLORADO.



BASIS OF BEARING:

REAL-TIME KINEMATIC GPS SURVEY  
SOLUTION OF CO SOUTH STATE  
PLANE (NAD 83) COORDINATE GRID  
- NO ROTATION OR SCALE FACTOR APPLIED -

BASIS OF ELEVATION

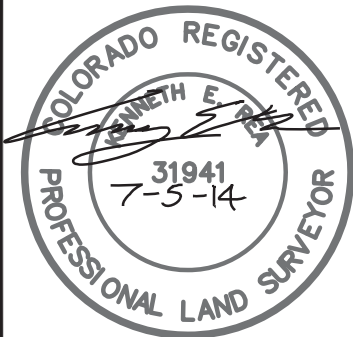
TOPO ELEVATION INTERPOLATED FROM U.S.G.S.  
7.5 MIN. "IGNACIO" QUADRANGLE MAP &  
GPS ORTHOMETRIC HEIGHT SOLUTION.

## NOTES:

1. WELL LOCATION FOOTAGE CALLS MEASURED PERPENDICULAR TO SECTION LINES.
2. SURFACE USE FOR THE LAND SURROUNDING THIS LOCATION IS DRY GRASS LAND.
3. VISIBLE IMPROVEMENTS WITHIN 500' OF WELL BORE LOCATION ARE SHOWN ON ATTACHED PAD DIAGRAM OR ON ATTACHED 500' RADIUS VISIBLE IMPROVEMENT DETAIL.
4. THERE ARE NO PUBLIC ROADS, MAJOR ABOVE GROUND UTILITIES, OR RAILROADS WITHIN 200' OF THE WELL BORE LOCATION.
5. THERE ARE NO PROPERTY BOUNDARY LINES WITHIN 150' OF THE WELL BORE LOCATION.
6. WELL GPS OBSERVATION PERFORMED BY SCOTT WEIBE ON DATE OF SURVEY - PDOP VALUE = 2.25
7. THIS EXHIBIT IS INTENDED TO DEPICT THE PROPOSED WELL LOCATION AND DOES NOT REPRESENT A MONUMENTED BOUNDARY SURVEY.

⊕ and ⊙ denote found 3-1/4" B.L.M. aluminum cap unless otherwise noted.

◇ denotes position determined from found Reference Markers & magnetic locator



I, KENNETH E. REA, A REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO, DO HEREBY CERTIFY THAT THE WELL LOCATION SHOWN ON THIS PLAT IS ACCURATELY PLOTTED FROM FIELD NOTES OF ACTUAL SURVEYS MADE UNDER MY DIRECT SUPERVISION, AND THAT THIS PLAT IS NOT A LAND SURVEY PLAT OR IMPROVEMENT SURVEY PLAT, AND THAT IS IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OF FENCE, BUILDING, OR OTHER FUTURE IMPROVEMENT LINES.

SURVEYED: 1/10/14	DRAWN: 2/4/14	PREPARED FOR:
CHECKED BY: K.R.	FILE NO: ELM097WPLJOB NO. ELM097	ELM RIDGE EXPLORATION CO. LLC
NORTHSTAR SURVEYING & MAPPING, INC.		
768 County Rd. 308 DURANGO, CO. 81303 (970) 385-0851		