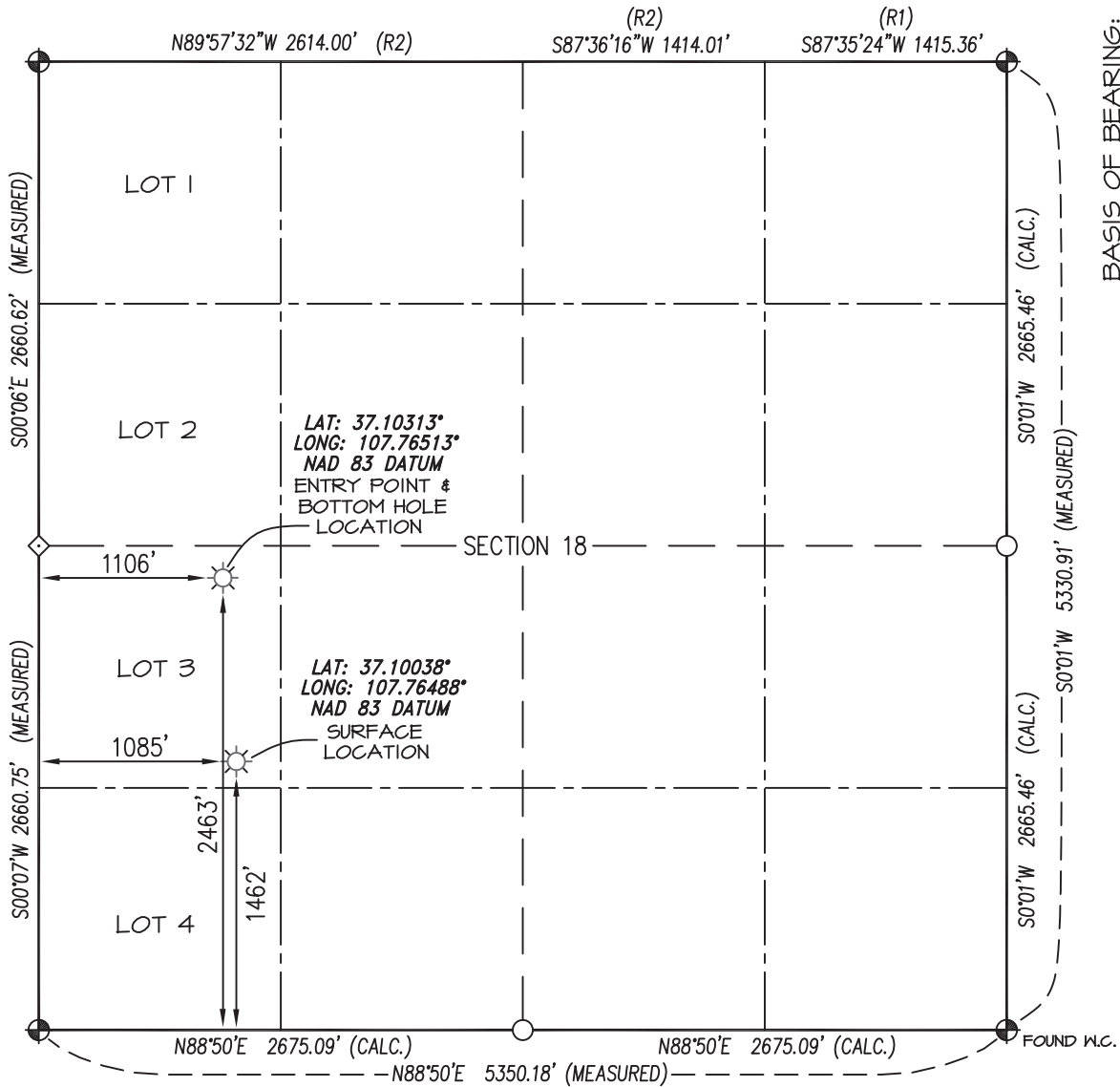


ELM RIDGE EXPLORATION COMPANY, LLC: IGW 143

**SURFACE LOCATION: 1462' FSL & 1085' FWL
SEC. 18, T-33-N, R-8-W, N.M.P.M., LA PLATA COUNTY, COLORADO.
GROUND LEVEL ELEVATION: 6725'**

**BOTTOM HOLE LOCATION: 2463' FSL, 1006' FWL
SEC. 18, 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 WITH AN APPLIED ROTATION OF -1°23'.

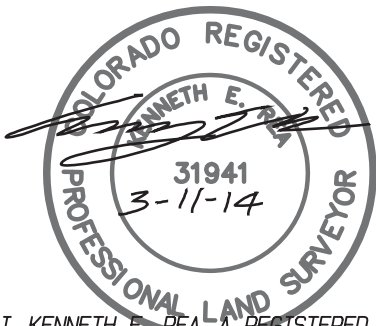
BASIS OF ELEVATION:
N.G.S. SURVEY MARK "IGNATIO" LOCATED IN THE SE/4 NE/4 OF SECTION 6, T33N, R7W, N.M.P.M., LA PLATA COUNTY COLORADO. REFERENCE ELEVATION = 6540'.

R1 DIMENSIONS SHOWN GRAND VISTAS SUBDIVISION PLAT
R2 DIMENSIONS SHOWN PER EOFF-SWANEMYR SUBDIVISION PLAT

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.
8. THERE ARE SURFACE WATERS WITHIN 1000' OF THE WELL BORE LOCATION. SEE ATTACHED SURFACE WATER TOPO MAP.

- ⊕ denotes position determined from found Reference Markers & magnetic locator
- ◇ denotes found 2" Alum. Cap L.S. #30827
- denotes calculated position - no monument found or set.



I, KENNETH E. PEA, 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.

BHL REVISION:	3/11/14
DRAWN BY:	K.R.
CHECKED BY:	K.R.
FILE NO.:	ELM95WP2 JOB NO. ELM095

PREPARED FOR:

ELM RIDGE EXPLORATION CO. LLC

NORTHSTAR SURVEYING & MAPPING, INC.

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