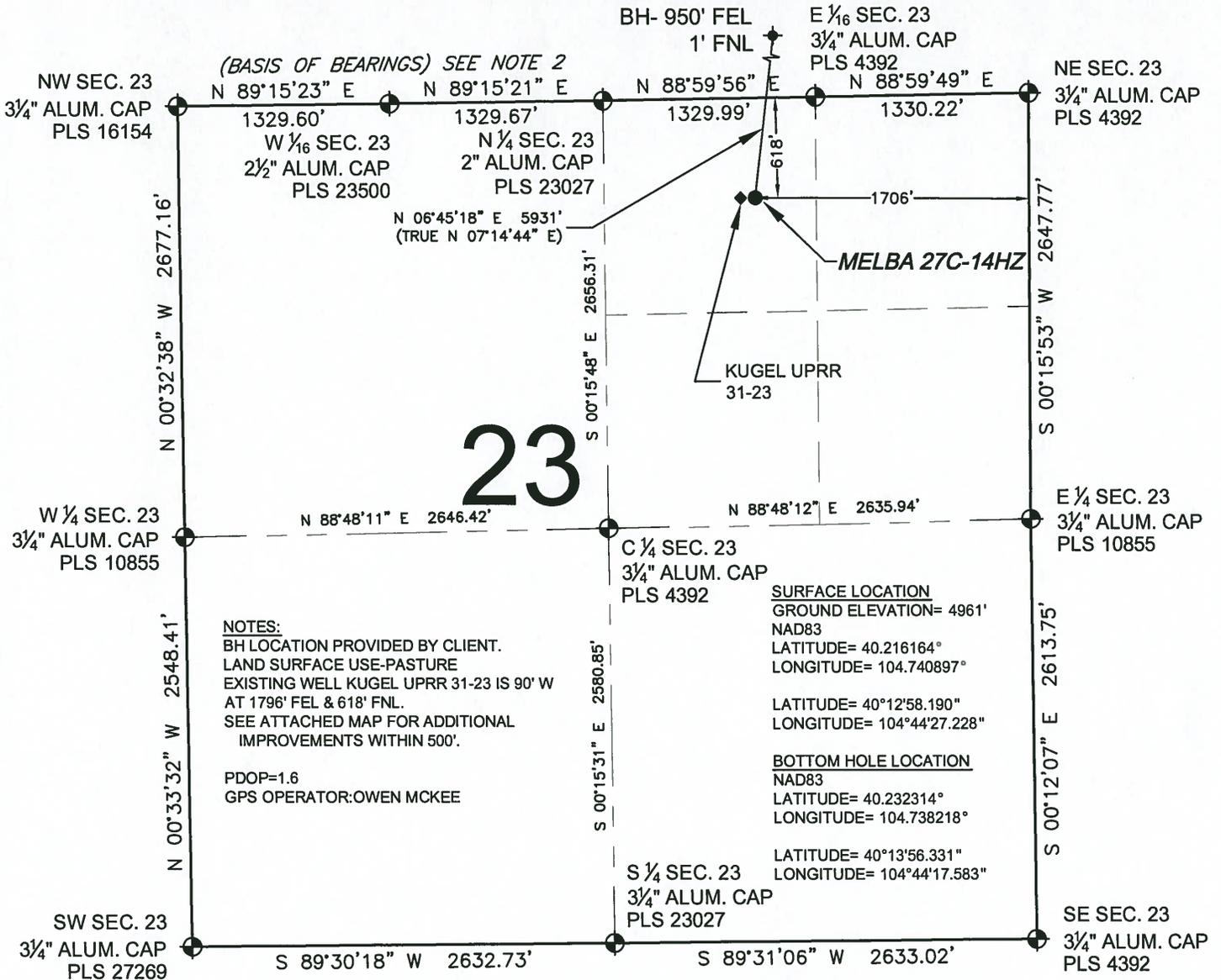


WELL LOCATION CERTIFICATE: MELBA 27C-14HZ

SECTION 23, TOWNSHIP 3 NORTH, RANGE 66 WEST, 6TH P.M.



23

NOTES:
 BH LOCATION PROVIDED BY CLIENT.
 LAND SURFACE USE-PASTURE
 EXISTING WELL KUGEL UPRR 31-23 IS 90' W
 AT 1796' FEL & 618' FNL.
 SEE ATTACHED MAP FOR ADDITIONAL
 IMPROVEMENTS WITHIN 500'.

PDOP=1.6
 GPS OPERATOR:OWEN MCKEE

SURFACE LOCATION
 GROUND ELEVATION= 4961'
 NAD83
 LATITUDE= 40.216164°
 LONGITUDE= 104.740897°

 LATITUDE= 40°12'58.190"
 LONGITUDE= 104°44'27.228"

BOTTOM HOLE LOCATION
 NAD83
 LATITUDE= 40.232314°
 LONGITUDE= 104.738218°

 LATITUDE= 40°13'56.331"
 LONGITUDE= 104°44'17.583"

WELL MELBA 27C-14HZ TO BE LOCATED 1706' FEL AND 618' FNL

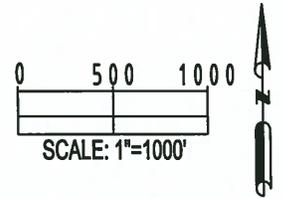
LEGEND

- ⊙ = EXISTING MONUMENT
- ⊙ = PROPOSED WELL
- BH = BOTTOM HOLE
- ⊙ = BOTTOM HOLE
- ⊙ = EXISTING WELL

NOTES:

- THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
- BEARINGS AND DISTANCE SHOWN HEREON ARE GRID AND BASED ON THE COLORADO STATE PLANE COORDINATE SYSTEM, NAD 83/2011 BETWEEN MONUMENTS AS LABELED HEREON AND ELEVATIONS SHOWN ARE NAVD 88, AS DERIVED BY GPS OBSERVATIONS.
- GRID DISTANCES ARE SHOWN, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES.

I, BRADLEY L. LAMAN, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO DO HEREBY CERTIFY TO **KERR-MCGEE OIL & GAS ONSHORE LP**, THAT THE SURVEY AND WELL LOCATION CERTIFICATE SHOWN HEREON WERE DONE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT THE DRAWING SHOWN HEREON ACCURATELY DEPICTS THE PROPOSED LOCATION OF THE WELL. THIS CERTIFICATE DOES NOT REPRESENT A LAND SURVEY PLAT OR IMPROVEMENT SURVEY PLAT AS DEFINED BY C.R.S. 38-51-102 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.



BRADLEY L. LAMAN, PLS 38345
 COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
 FOR AND ON BEHALF OF P.F.S., LLC

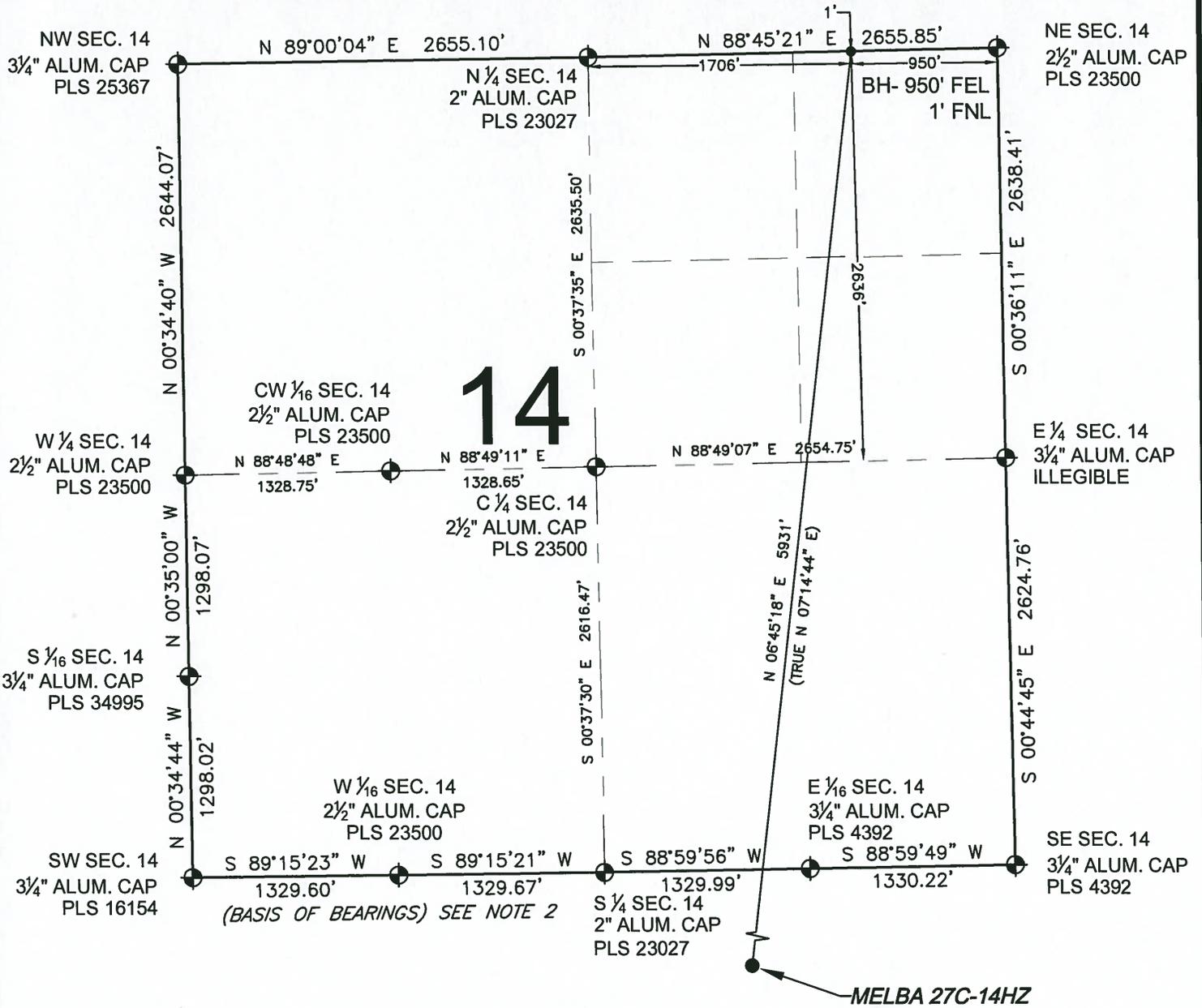
SHEET 1 OF 2

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.

PREPARED BY:  Petroleum Field Services, LLC 7536 Hilltop Circle Denver, CO 80221	FIELD DATE: 10-02-13 DRAWING DATE: 10-04-13 BY: JLF REV: JAH	SURFACE LOCATION: NW 1/4 NE 1/4, SEC. 23, T3N, R66W, 6TH P.M. WELD COUNTY, COLORADO
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WELL LOCATION CERTIFICATE: MELBA 27C-14HZ

SECTION 14, TOWNSHIP 3 NORTH, RANGE 66 WEST, 6TH P.M.

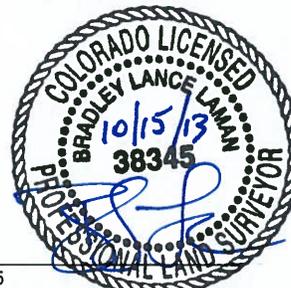


LEGEND

- ⊕ = EXISTING MONUMENT
- ⬤ = PROPOSED WELL
- ⬤ = EXISTING WELL
- BH = BOTTOM HOLE

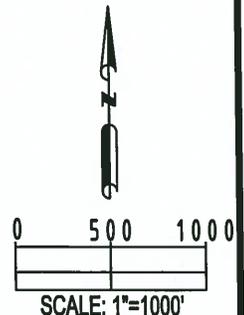
NOTES:

1. THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
2. BEARINGS AND DISTANCE SHOWN HEREON ARE GRID AND BASED ON THE COLORADO STATE PLANE COORDINATE SYSTEM, NAD 83/2011 BETWEEN MONUMENTS AS LABELED HEREON AND ELEVATIONS SHOWN ARE NAVD 88, AS DERIVED BY GPS OBSERVATIONS.
3. GRID DISTANCES ARE SHOWN, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES.



BRADLEY L. LAMAN, PLS 38345
 COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
 FOR AND ON BEHALF OF P.F.S., LLC

SHEET 2 OF 2



PREPARED BY: Petroleum Field Services, LLC 7535 Hilltop Circle Denver, CO 80221	FIELD DATE: 10-02-13	SURFACE LOCATION: NW 1/4 NE 1/4, SEC. 23, T3N, R66W, 6TH P.M. WELD COUNTY, COLORADO
	DRAWING DATE: 10-04-13	BY: JLF REV: JAH

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.