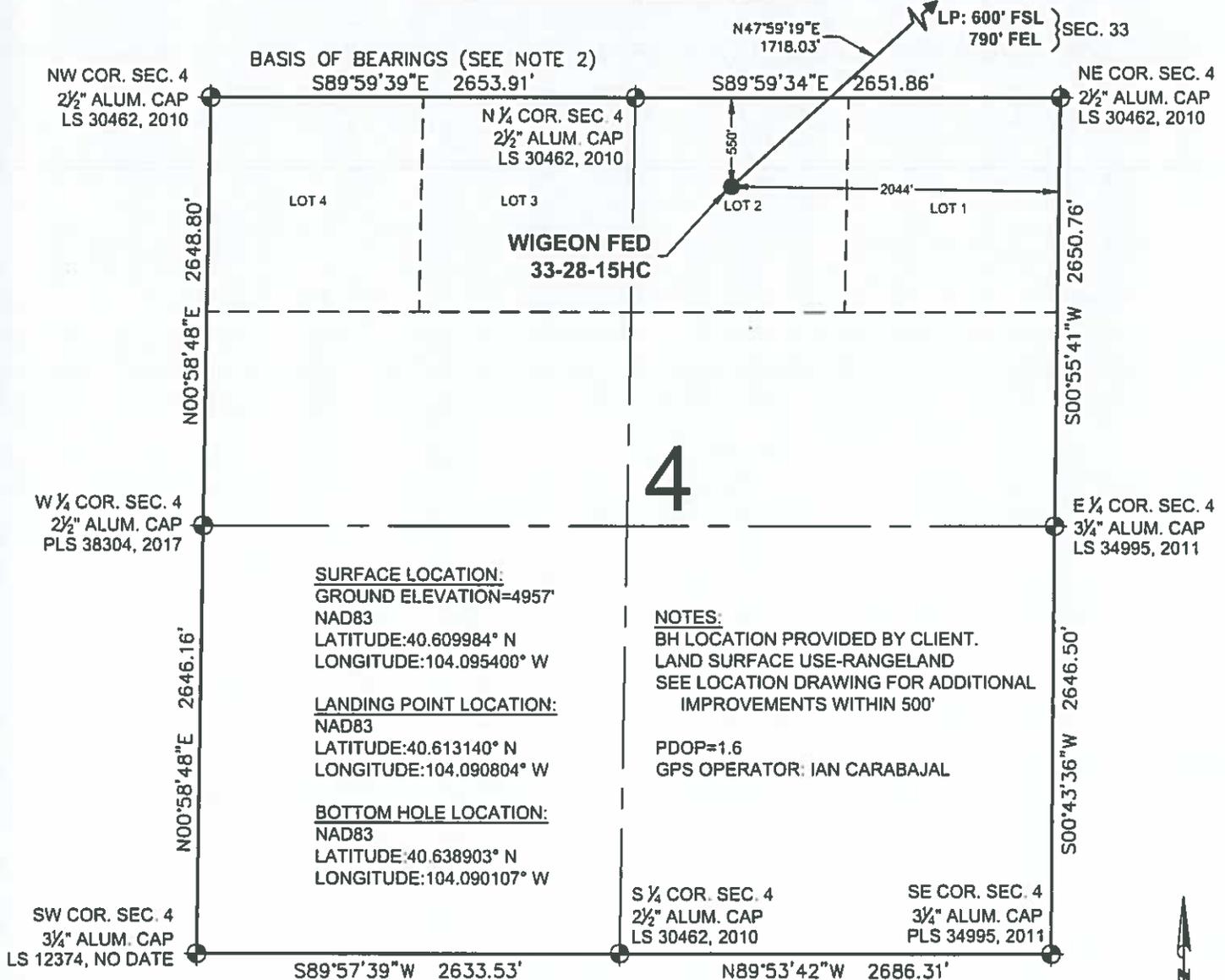


WIGEON FED 33-28-15HC WELL LOCATION CERTIFICATE



SURFACE LOCATION:
GROUND ELEVATION=4957'
NAD83
LATITUDE:40.609984° N
LONGITUDE:104.095400° W

LANDING POINT LOCATION:
NAD83
LATITUDE:40.613140° N
LONGITUDE:104.090804° W

BOTTOM HOLE LOCATION:
NAD83
LATITUDE:40.638903° N
LONGITUDE:104.090107° W

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

PDOP=1.6
GPS OPERATOR: IAN CARABAJAL

LEGEND

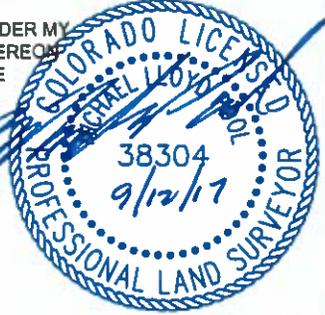
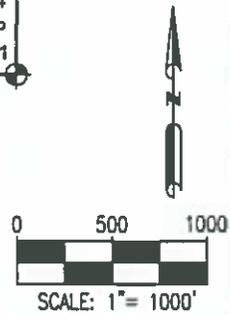
- ⊙ = EXISTING MONUMENT ✦ = BOTTOM HOLE
- = CALCULATED POSITION ▲ = LANDING POINT
- = PROPOSED WELL LP = LANDING POINT
- ◆ = EXISTING WELL BHL = BOTTOM HOLE LOCATION

**WELL WIGEON FED 33-28-15HC TO BE
LOCATED 550' FNL & 2044' FEL**

- NOTES:**
1. THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C. RULE NO. 215
 2. BEARINGS ARE BASED ON THE ASSUMPTION THAT THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 4, BEARS S89°59'39"E BETWEEN THE MONUMENTS SHOWN HEREON.
 3. ALL DISTANCES AND BEARINGS SHOWN HEREON ARE GROUND VALUES AS GPS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES. 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.
 4. FIELD VERIFICATION OF MONUMENTS COMPLETED WITHIN 1 YEAR OF SIGNATURE DATE.

I, MICHAEL L. POOL, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO DO HEREBY CERTIFY TO **MALLARD EXPLORATION**, 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.

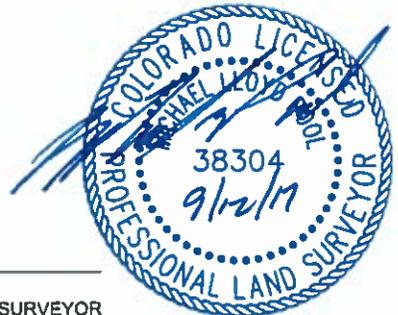
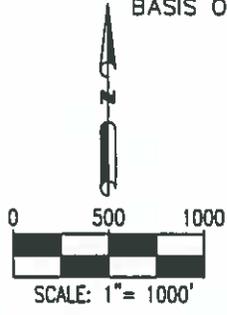
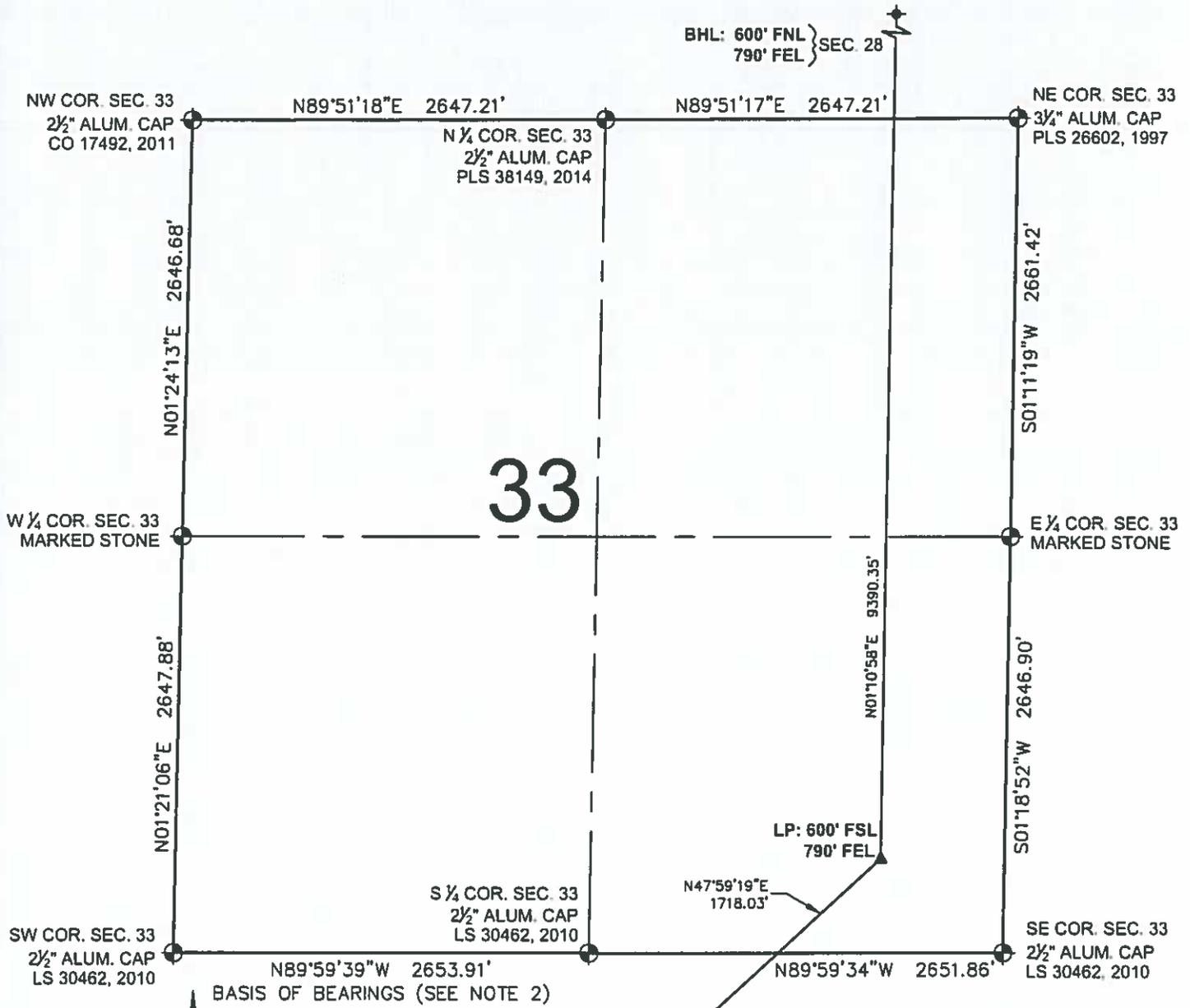
MICHAEL L. POOL, PLS 38304
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC



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.

<p style="font-size: 8px;">2335 Hilltop Circle Denver, CO 80224 (303) 928-7128 www.ascentsurveys.com</p>	FIELD DATE: 09-06-17	WELL NAME: WIGEON FED 33-28-15HC	PREPARED FOR MALLARD EXPLORATION
	DRAWING DATE: 09-09-17	SURFACE LOCATION: LOT 2 SEC. 4 T7N, R60W, 6TH P.M. WELD COUNTY, COLORADO	
BY: SMF	CHECKED: RMC		

WIGEON FED 33-28-15HC WELL LOCATION CERTIFICATE



MICHAEL L. POOL, PLS 38304
 COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
 FOR AND ON BEHALF OF P.F.S., LLC

SHEET 2 OF 3

LEGEND

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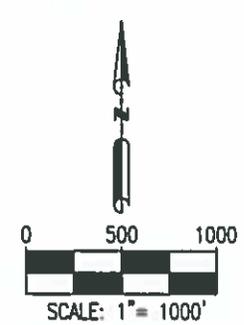
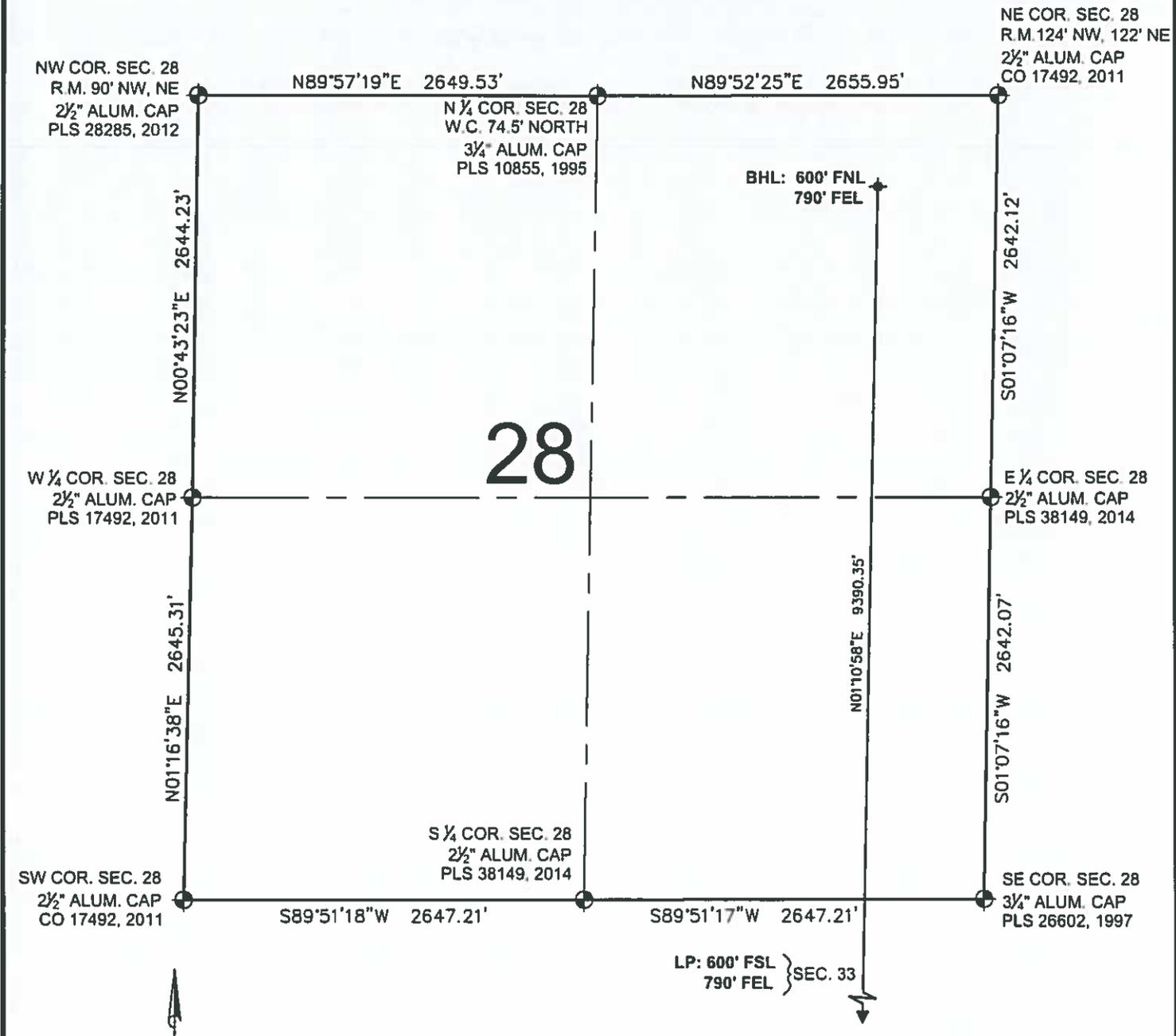
7535 Hilltop Circle
 Denver, CO 80224
 (303) 928-7125
 www.ascenmap.com

FIELD DATE	09-06-17	WELL NAME	WIGEON FED 33-28-15HC
DRAWING DATE	09-09-17	SURFACE LOCATION	LOT 2 SEC. 4 T7N, R60W, 6TH P.M.
BY	SMF	CHECKED	RMC
		WELD COUNTY, COLORADO	

PREPARED FOR

MALLARD
EXPLORATION

WIGEON FED 33-28-15HC WELL LOCATION CERTIFICATE



MICHAEL L. POOL, PLS 38304
 COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
 FOR AND ON BEHALF OF P.F.S., LLC

SHEET 3 OF 3

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

<p style="font-size: 8px;">7535 N. High Circle Denver, CO 80224 (303) 928-7128 www.ascentsolutions.com</p>	FIELD DATE 09-06-17	WELL NAME WIGEON FED 33-28-15HC	PREPARED FOR <p style="font-size: 8px;">MALLARD EXPLORATION</p>
	DRAWING DATE 09-09-17	SURFACE LOCATION LOT 2 SEC. 4 T7N, R60W, 6TH P.M. WELD COUNTY, COLORADO	
BY SMF	CHECKED RMC		