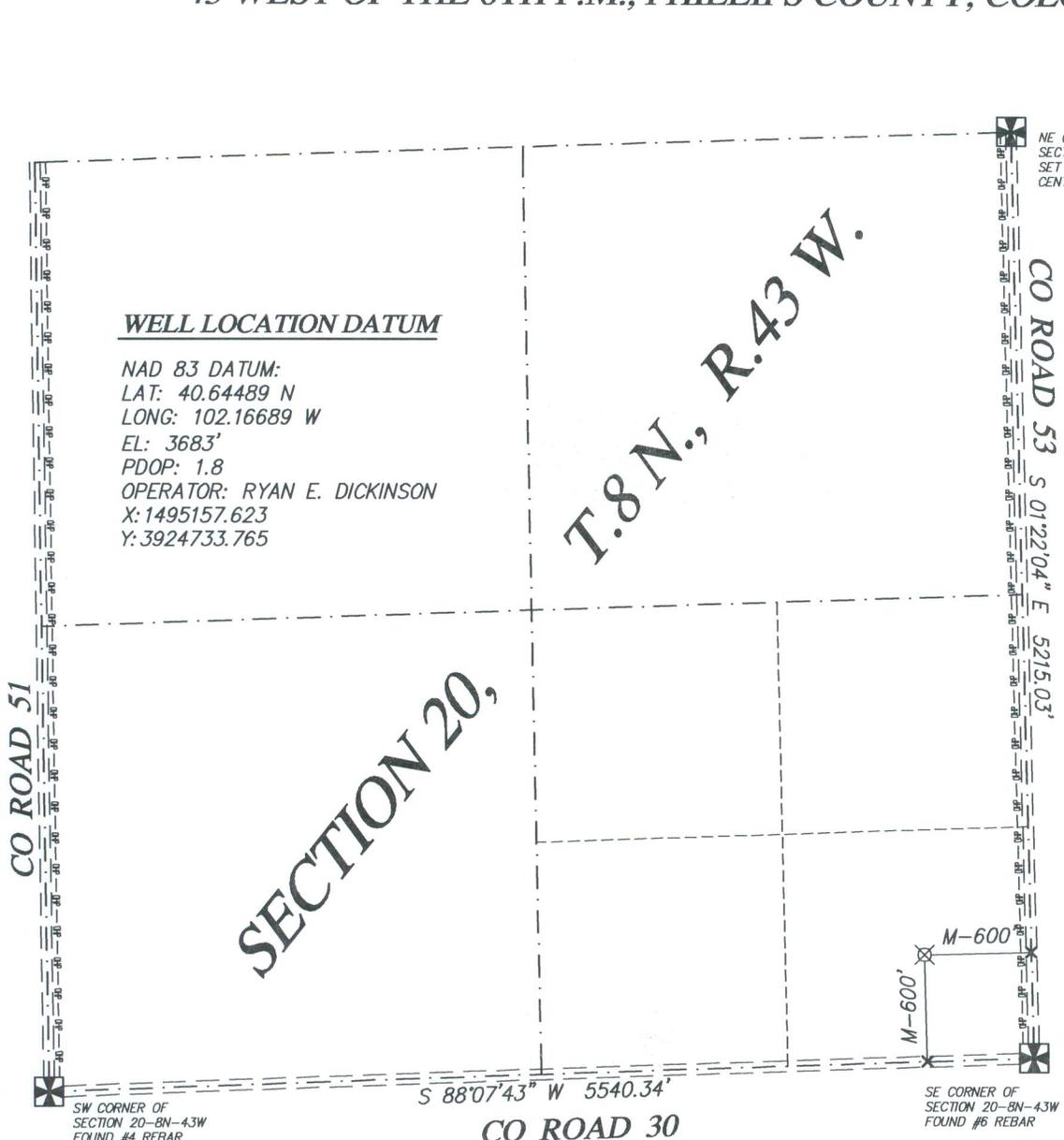


THE ACCOMPANYING DRAWING IS AN ACCURATE REPRESENTATION SHOWING THE LOCATION OF A PROPOSED WELL. THIS LOCATION MAY BE DESCRIBED AS A POINT 600' FEET NORTH OF THE SOUTH LINE AND 600' FEET WEST OF THE EAST LINE OF SECTION 20, TOWNSHIP 8 NORTH, RANGE 43 WEST OF THE 6TH P.M., PHILLIPS COUNTY, COLORADO.

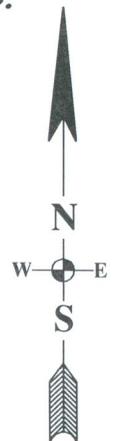


WELL LOCATION DATUM

NAD 83 DATUM:
 LAT: 40.64489 N
 LONG: 102.16689 W
 EL: 3683'
 PDOP: 1.8
 OPERATOR: RYAN E. DICKINSON
 X: 1495157.623
 Y: 3924733.765

T.8 N., R.43 W.

SECTION 20,



SCALE 1" = 1000'

LEGEND

- FOUND SECTION AND QUARTER CORNERS
- PROPOSED WELL LOCATION
- EXISTING WELL LOCATION
- FENCE
- OVER HEAD POWER
- MEASURED DISTANCE
- TEMPORARY POINT

BASIS OF BEARING IS THE EAST LINE OF SECTION 20 TOWNSHIP 8N RANGE 43W OF THE 6TH P.M. WHICH IS ASSUMED TO BEAR S 01°22'04" E

THERE ARE NO ROADS, TANKS, POWER LINES AND FENCES WITHIN 500'

ALL DISTANCES SHOWN ARE GROUND DISTANCES AND ARE FIELD MEASURED. THE PROPOSED WELL LOCATION DISTANCES ARE AT RIGHT ANGLES FROM THE NEAREST NORTH/SOUTH AND EAST/WEST SECTION LINES. ALL GPS DATA IS CORRECTED USING A TRIMBLE R8 BASE STATION AT THE STATED GEODETIC MONUMENT.

NOTE: THIS IS NOT A LAND SURVEY PLAT

0' 1000' 2000' 3000'



DATE OF FIELD WORK: AUGUST 24, 2015	DATE OF DRAWING: AUGUST 26, 2015
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BLACK RAVEN ENERGY, INC.

LOCATION: SE 1/4, SE 1/4, SEC. 27 T8N R43W	WELL NUMBER: HOME RUN 843-20-44-D
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DICKINSON LAND SURVEYORS, INC.
 NEBRASKA AND COLORADO CERTIFIED
 212 SOUTH INTEROCEAN AVE, HOLYOKE, CO. 80734
 OFFICE: 970-854-8440 www.dickinsonlandsurveyors.com

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT, UNDER MY PERSONAL SUPERVISION, THIS WELL LOCATION DRAWING WAS PREPARED FROM AN ACTUAL SURVEY AND THE DATA HEREON IS CORRECT TO THE BEST OF MY KNOWLEDGE.

RYAN E. DICKINSON
 COLORADO PROFESSIONAL SURVEYOR
 P.L.S. 36571

