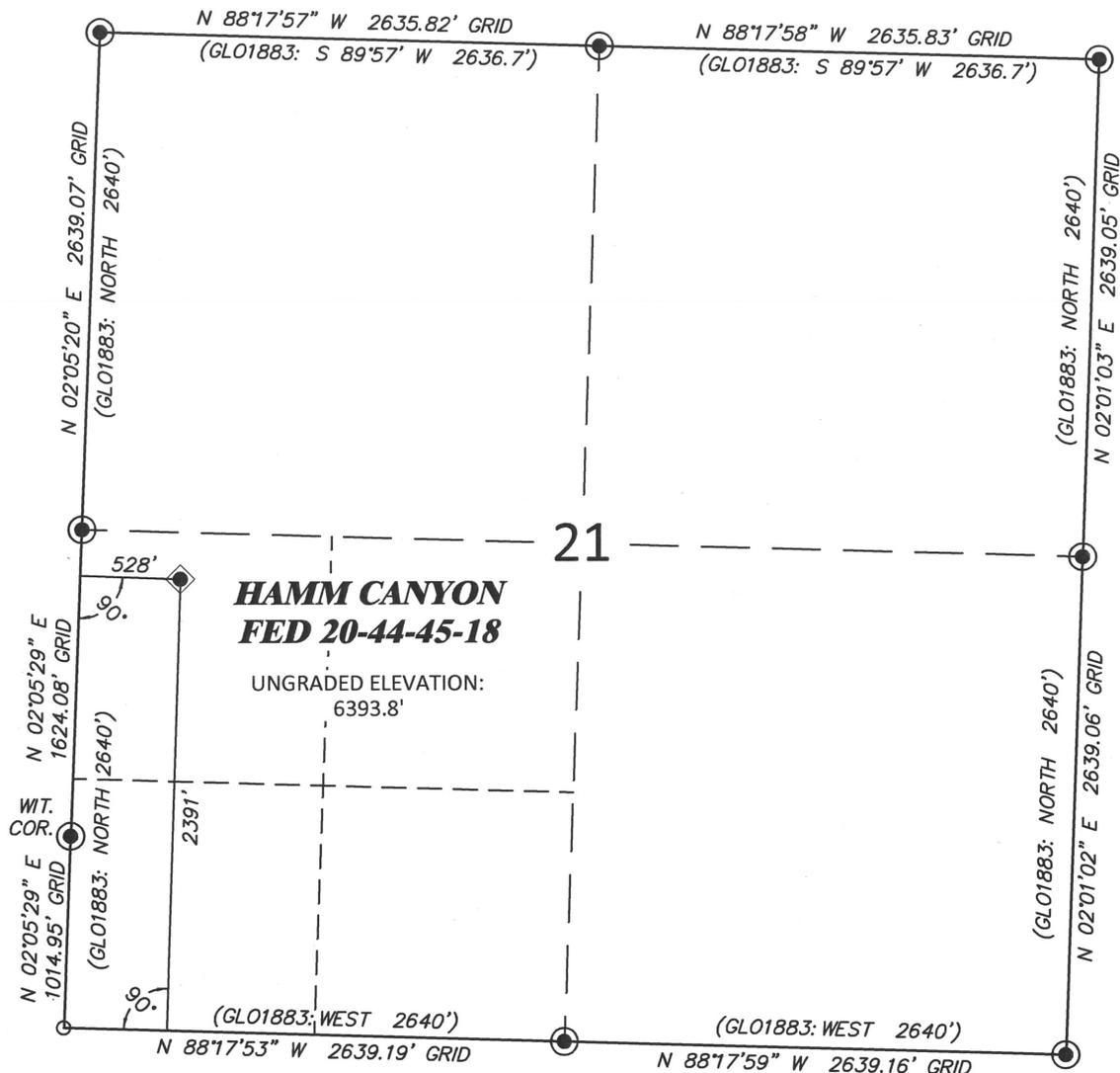


R. 18 W.



SCALE: 1"=1000'
0' 250' 500' 1000'

T. 45 N.

SURFACE HOLE LOCATION

SHL LATITUDE (NAD83)
NORTH 38.138148 DEG.

SHL LONGITUDE (NAD83)
WEST 108.868538 DEG.

SHL COLORADO SOUTH ZONE (NAD83)
NORTHING
1553268.97 FT.
EASTING
2031383.45 FT.

SHL LATITUDE (NAD27)
NORTH 38.138156 DEG.

SHL LONGITUDE (NAD27)
WEST 108.867877 DEG.

SHL COLORADO SOUTH ZONE (NAD27)
NORTHING
553253.26 FT.
EASTING
1031548.64 FT.

LEGEND

- ◆ SURFACE HOLE LOCATION
- BOTTOM HOLE LOCATION
- CALCULATED CORNER
- FOUND 2-1/2" Al. Cap on no. 6 rebar, "PLS 37065 - 2011"

SURVEYOR'S STATEMENT

I, Ronald C. Rennke, an employee and agent for William H. Smith & Associates P.C., Inc. state the plat hereon is a representation of a field survey made under my authority of the shown HAMM CANYON FED 20-44-45-18 surface hole location, being staked on the ground as shown hereon on October 23, 2012.

NOTES

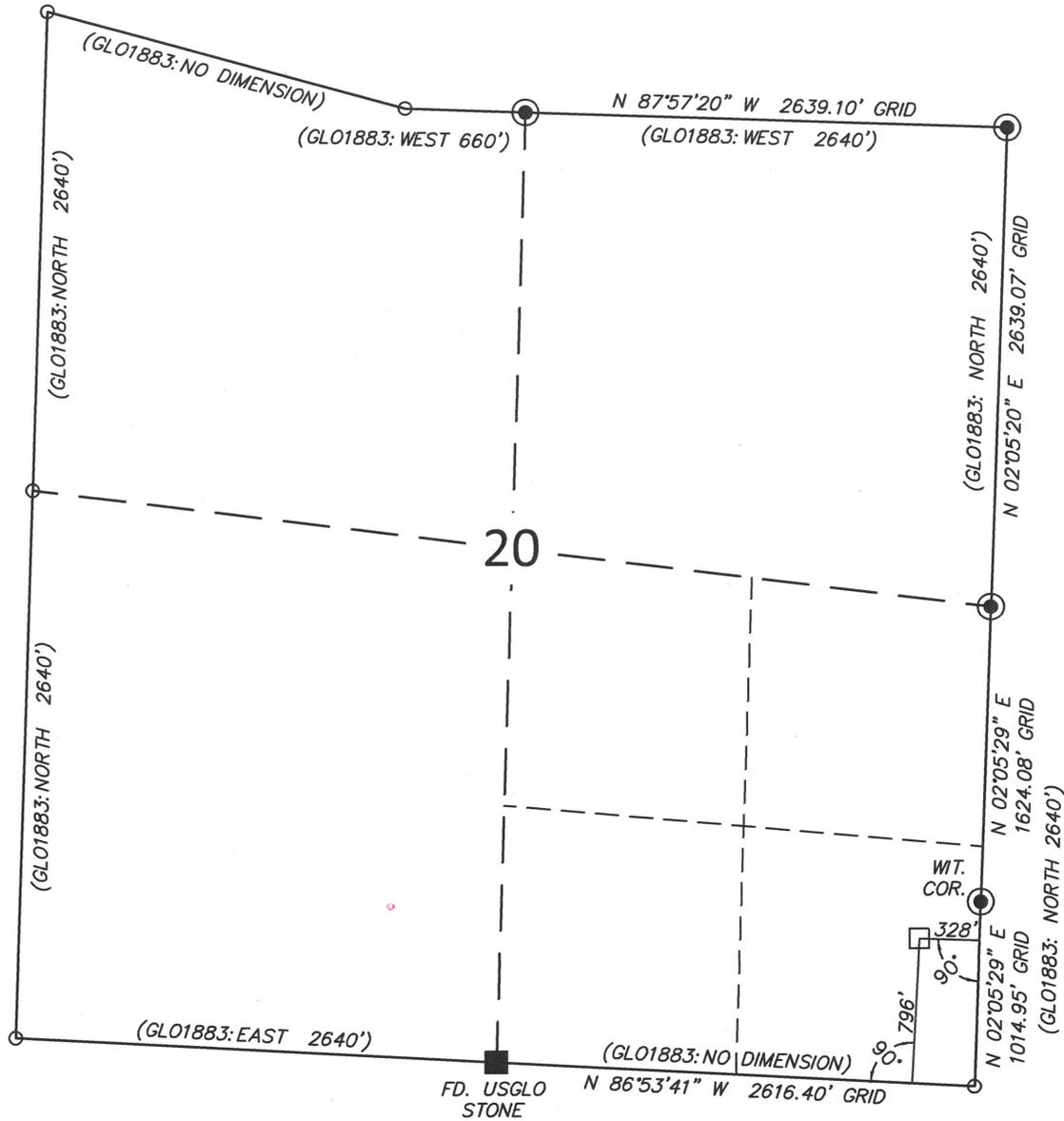
- (1.) Basis of Datum is the Colorado State Plane Coordinate System, South Zone, NAD83/CORS96 (horizontal) & NAVD88 (vertical) derived from OPUS solution.
- (2.) The Basis of Bearings for this survey is derived from OPUS solution & referenced to the west line of the shown NW4 of SECTION 21 monumented as shown and bearing N 2°05'20" E.
- (3.) Current land use is native, non-crop & rangeland.
- (4.) Improvements exist within 400' radius, see exhibit 2 for details.
- (5.) All GPS observations for the shown well location are in compliance with COGCC rule no. 215.
- (6.) GPS OPERATOR: RON RENNKE, OBSERVED PDOP OF 2.2



Notice: In accordance with Colorado State Law, any legal action based upon any defect in this survey plat must commence within three (3) years after first discovery of such defect. In no event may any action based upon any defect in this survey plat be commenced more than ten (10) years from the date of certification shown hereon.

 <p>WILLIAM H. SMITH & ASSOCIATES P.C. SURVEYING CONSULTANTS 550 EAST SECOND NORTH PHONE: 307-875-3638 GREEN RIVER, WY 307-875-3639 www.whsmithpc.com</p>	<p>PLAT OF DRILLING LOCATION FOR PATARA OIL & GAS, LLC</p> <p>HAMM CANYON FED 20-44-45-18 - NW4SW4 SECTION 21</p> <p>2391' F/SL & 528' F/WL, SECTION 21 T. 45 N., R. 18 W., NEW MEXICO P.M. SAN MIGUEL COUNTY, COLORADO</p>	
	<p>JOB NO: 2011900.014</p> <p>REVISIONS:</p>	<p>DATE DRAWN - BY: 10/24/12 - rcr</p> <p>SCALE: 1" = 1000'</p> <p>EXHIBIT 1</p>

R. 18 W.



SCALE: 1" = 1000'
 0' 250' 500' 1000'

T. 45 N.

BOTTOM HOLE LOCATION

BHL LATITUDE (NAD83)
 NORTH 38.133774 DEG.
 BHL LONGITUDE (NAD83)
 WEST 108.871513 DEG.
 BHL COLORADO SOUTH ZONE (NAD83)
 NORTHING
 1551708 FT.
 EASTING
 2030470 FT.
 BHL LATITUDE (NAD27)
 NORTH 38.133783 DEG.
 BHL LONGITUDE (NAD27)
 WEST 108.870855 DEG.
 BHL COLORADO SOUTH ZONE (NAD27)
 NORTHING
 551693 FT.
 EASTING
 1030635 FT.

LEGEND

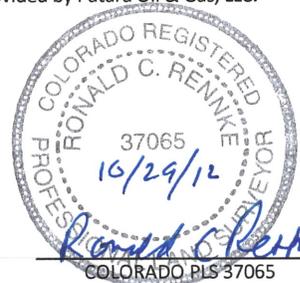
- ◆ SURFACE HOLE LOCATION
- ◻ BOTTOM HOLE LOCATION
- CALCULATED CORNER
- FOUND 2-1/2" Al. Cap on no. 6 rebar, "PLS 37065 - 2011"

SURVEYOR'S STATEMENT

I, Ronald C. Rennke, an employee and agent for William H. Smith & Associates P.C., Inc. state the plat hereon is a representation of a field survey made under my authority on October 23, 2012 of the HAMM CANYON FED 20-44-45-18 approximate bottom hole location as provided by Patara Oil & Gas, LLC.

NOTES

- (1.) Basis of Datum is the Colorado State Plane Coordinate System, South Zone, NAD83/CORS96 (horizontal) & NAVD88 (vertical) derived from OPUS solution.
- (2.) The Basis of Bearings for this survey is derived from OPUS solution & referenced to the east line of the shown NE4 of SECTION 20 monumented as shown and bearing N 2°05'20" E.
- (3.) Current land use is native, non-crop & rangeland.
- (4.) Improvements exist within 400' radius, see exhibit 2 for details.
- (5.) All GPS observations for the shown well location are in compliance with COGCC rule no. 215.



Notice: In accordance with Colorado State Law, any legal action based upon any defect in this survey plat must commence within three (3) years after first discovery of such defect. In no event may any action based upon any defect in this survey plat be commenced more than ten (10) years from the date of certification shown hereon.

 <p>WILLIAM H. SMITH & ASSOCIATES P.C. SURVEYING CONSULTANTS 550 EAST SECOND NORTH PHONE: 307-875-3638 GREEN RIVER, WY 307-875-3639 www.whsmithpc.com</p>	<p>PLAT OF A BOTTOM HOLE LOCATION FOR PATARA OIL & GAS, LLC HAMM CANYON FED 20-44-45-18 - SE4E4 SECTION 20 796' F/SL & 328' FEL, SECTION 20 T. 45 N., R. 18 W., NEW MEXICO P.M. SAN MIGUEL COUNTY, COLORADO</p>	
	<p>JOB NO: 2011900.014 REVISIONS:</p>	<p>DATE DRAWN - BY: 10/24/12 - rcr SCALE: 1" = 1000' EXHIBIT 1</p>