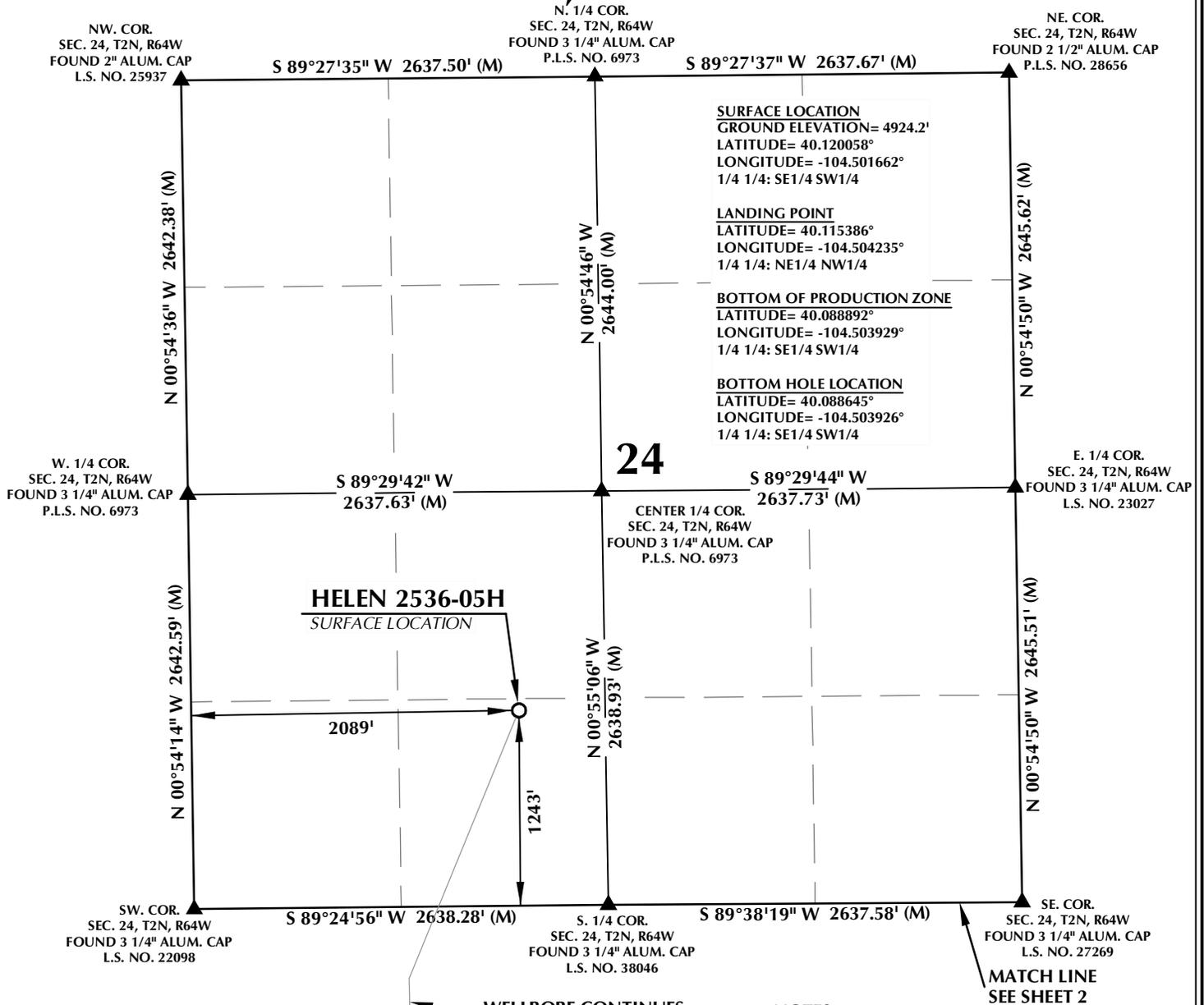


# T2N, R64W



### CERTIFICATE OF SURVEYOR:

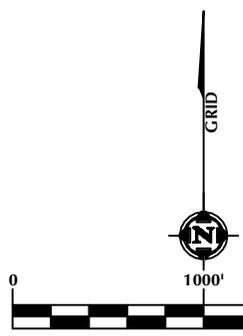
THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATE DOES NOT REPRESENT A LAND SURVEY OR IMPROVEMENT SURVEY AS DEFINED BY C.R.S. 38-51-102 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

*Randall K. French*  
**RANDALL K. FRENCH**  
 PROFESSIONAL LAND SURVEYOR  
 COLORADO REGISTRATION NUMBER 38512

11/23/21

NOTICE: ACCORDING TO COLORADO STATE LAW YOU MUST TAKE IMMEDIATE 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 THE DATE ON THE CERTIFICATION SHOWN HEREON.

**WELLBORE CONTINUES INTO SECTION 25**



### NOTES:

- ▲ INDICATES SECTION CORNER.
- ⊙ INDICATES CALCULATED CORNER.
- ELEVATION BASED ON NAVD88 (GEOID12B).
- BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM OF 1983, NORTH ZONE.
- ALL MEASURED DISTANCES ARE GRID.  
COMBINED SCALE FACTOR: .99972694 CALCULATED FROM THE C. 1/4 CORNER OF SECTION 24, T2N, R64W.  
OPERATOR: JEREMY GROVES / PDOP = 1.4.
- SEE ADDENDUM TO WELL LOCATION CERTIFICATE FOR EXISTING IMPROVEMENTS WITHIN 500' OF THE WELL PAD.
- WELL FOOTAGES ARE MEASURED AT RIGHT ANGLES TO THE SECTION LINES.
- THE BOTTOM OF PRODUCTION ZONE BEARS S01°09'03"E, 9652' FROM THE LANDING POINT.

### WELL PAD - ARNOLD 02N-64W-24

**HELEN 2536-05H**  
**WELL LOCATION CERTIFICATE**  
 1243' FSL & 2089' FWL SESW (SURFACE)  
 LOCATED IN SECTION 24  
 460' FNL & 1361' FWL NENW (LANDING POINT)  
 LOCATED IN SECTION 25  
 460' FSL & 1361' FWL SESW (BOTTOM OF PRODUCTION ZONE)  
 370' FSL & 1361' FWL SESW (BOTTOM)  
 LOCATED IN SECTION 36  
 T2N, R64W, 6TH P.M.  
 WELD COUNTY, COLORADO

**VERDAD RESOURCES**  
 1125 17th Street, Suite 550  
 Denver, Colorado 80202



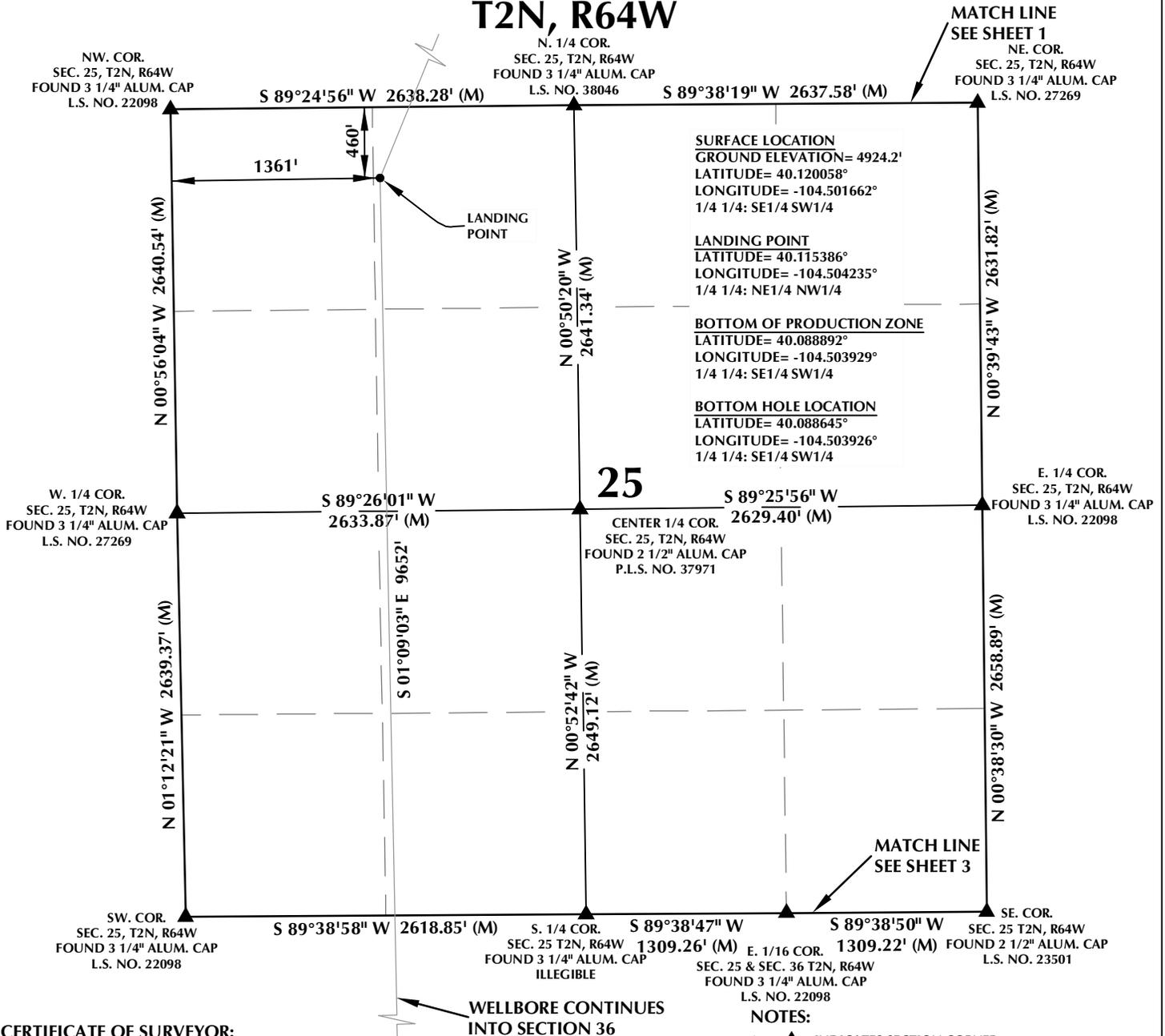
**CONSULTING, LLC**

**SHERIDAN OFFICE**  
 1095 Saberton Avenue  
 Sheridan, Wyoming 82801  
 Phone 307-674-0609

**LOVELAND OFFICE**  
 1635 Foxtrail Drive, Suite 204  
 Loveland, Colorado 80538  
 Phone 970-776-4331

DRAFTED BY: SJM	CHECKED BY: RKF	SHEET NO: <b>1</b> 1 OF 3
DATE DRAFTED: 10/27/21	DATE SURVEYED: 10/14/21	
REVISED: 11/23/21	FILE NAME: 17-138	

# T2N, R64W

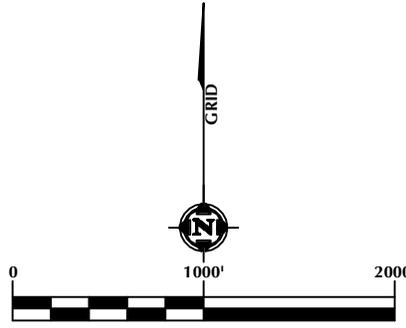


### CERTIFICATE OF SURVEYOR:

THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATE DOES NOT REPRESENT A LAND SURVEY OR IMPROVEMENT SURVEY AS DEFINED BY C.R.S. 38-51-102 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

*Randall K. French*  
**RANDALL K. FRENCH**  
 PROFESSIONAL LAND SURVEYOR  
 COLORADO REGISTRATION NUMBER 38512  
 11/23/21

**NOTICE:**  
 ACCORDING TO COLORADO STATE LAW YOU SHOULD TAKE 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 THE DATE ON THE CERTIFICATION SHOWN HEREON.



### NOTES:

- ▲ INDICATES SECTION CORNER.
- ⊙ INDICATES CALCULATED CORNER.
- ELEVATION BASED ON NAVD88 (GEOID12B).
- BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM OF 1983, NORTH ZONE.
- ALL MEASURED DISTANCES ARE GRID.  
 COMBINED SCALE FACTOR: .99972694 CALCULATED FROM THE C. 1/4 CORNER OF SECTION 24, T2N, R64W.  
 OPERATOR: JEREMY GROVES / PDOP = 1.4.
- SEE ADDENDUM TO WELL LOCATION CERTIFICATE FOR EXISTING IMPROVEMENTS WITHIN 500' OF THE WELL PAD.
- WELL FOOTAGES ARE MEASURED AT RIGHT ANGLES TO THE SECTION LINES.
- THE BOTTOM OF PRODUCTION ZONE BEARS S01°09'03"E, 9652' FROM THE LANDING POINT.

### WELL PAD - ARNOLD 02N-64W-24

HELEN 2536-05H  
 WELL LOCATION CERTIFICATE  
 1243' FSL & 2089' FWL SESW (SURFACE)  
 LOCATED IN SECTION 24  
 460' FNL & 1361' FWL NENW (LANDING POINT)  
 LOCATED IN SECTION 25  
 460' FSL & 1361' FWL SESW (BOTTOM OF PRODUCTION ZONE)  
 370' FSL & 1361' FWL SESW (BOTTOM)  
 LOCATED IN SECTION 36  
 T2N, R64W, 6TH P.M.  
 WELD COUNTY, COLORADO

**VERDAD RESOURCES**  
 1125 17th Street, Suite 550  
 Denver, Colorado 80202



### CONSULTING, LLC

**SHERIDAN OFFICE**  
 1095 Saberton Avenue  
 Sheridan, Wyoming 82801  
 Phone 307-674-0609

**LOVELAND OFFICE**  
 1635 Foxtrail Drive, Suite 204  
 Loveland, Colorado 80538  
 Phone 970-776-4331

DRAFTED BY: SJM	CHECKED BY: RKF	SHEET NO:
DATE DRAFTED: 10/27/21	DATE SURVEYED: 10/14/21	2
REVISED: 11/23/21	FILE NAME: 17-138	2 OF 3

# T2N, R64W

E. 1/16 COR.  
SEC. 25 & SEC. 36 T2N, R64W  
FOUND 3 1/4" ALUM. CAP  
L.S. NO. 22098

**MATCH LINE  
SEE SHEET 2**  
NE COR.  
SEC. 36 T2N, R64W  
FOUND 2 1/2" ALUM. CAP  
L.S. NO. 23501

NW COR.  
SEC. 36, T2N, R64W  
FOUND 3 1/4" ALUM. CAP  
L.S. NO. 22098

S 89°38'58" W 2618.85' (M)

S 89°38'47" W  
1309.26' (M)

S 89°38'50" W  
1309.22' (M)

N 01°13'17" W 2639.11' (M)

N. 1/4 COR.  
SEC. 36 T2N, R64W  
FOUND 3 1/4" ALUM. CAP  
ILLEGIBLE

**SURFACE LOCATION**  
GROUND ELEVATION= 4924.2'  
LATITUDE= 40.120058°  
LONGITUDE= -104.501662°  
1/4 1/4: SE1/4 SW1/4

CN. 1/16 COR.  
SEC. 36 T2N, R64W  
FOUND 3 1/4" ALUM. CAP  
L.S. NO. 22098

**LANDING POINT**  
LATITUDE= 40.115386°  
LONGITUDE= -104.504235°  
1/4 1/4: NE1/4 NW1/4

**BOTTOM OF PRODUCTION ZONE**  
LATITUDE= 40.088892°  
LONGITUDE= -104.503929°  
1/4 1/4: SE1/4 SW1/4

**BOTTOM HOLE LOCATION**  
LATITUDE= 40.088645°  
LONGITUDE= -104.503926°  
1/4 1/4: SE1/4 SW1/4

W. 1/4 COR.  
SEC. 36 T2N, R64W  
FOUND 3 1/4" ALUM. CAP  
L.S. NO. 22098

S 89°38'13" W  
2617.47' (M)

**36**

S 89°38'04" W  
2617.92' (M)

E. 1/4 COR.  
SEC. 36 T2N, R64W  
FOUND 3 1/4" ALUM. CAP  
L.S. NO. 22098

N 01°12'47" W 2650.69' (M)

S 01°09'03" E 9652'

CENTER. 1/4 COR.  
SEC. 36 T2N, R64W  
FOUND 3 1/4" ALUM. CAP  
L.S. NO. 22098

N 01°11'23" W  
1319.32' (M)

N 01°11'51" W  
1322.14' (M)

N 01°11'11" W  
1322.37' (C)

CS. 1/16 COR.  
SEC. 36 T2N, R64W  
FOUND 3 1/4" ALUM. CAP  
L.S. NO. 22098

N 01°10'11" W 2637.87' (M)

**BOTTOM OF PRODUCTION ZONE**

1361'

1361'

**BOTTOM OF HOLE**

370'

460'

SW COR.  
SEC. 36 T2N, R64W  
FOUND 3 1/4" ALUM. CAP  
L.S. NO. 22098

S 89°29'44" W 5233.22' (M)

SE COR.  
SEC. 36 T2N, R64W  
FOUND 3 1/4" ALUM. CAP  
P.L.S. NO. 10915

## CERTIFICATE OF SURVEYOR:

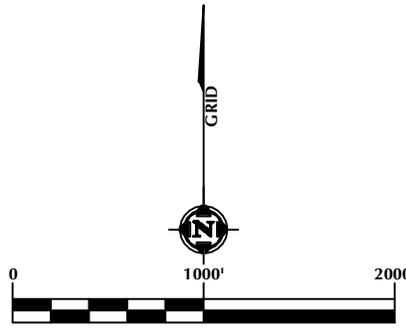
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATE DOES NOT REPRESENT A LAND SURVEY PLAT OR IMPROVEMENT SURVEY PLAT AS DEFINED BY C.R.S. 38-51-102 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

*Randall K. French*  
38512  
PROFESSIONAL LAND SURVEYOR  
11/23/21  
RANDALL K. FRENCH  
PROFESSIONAL LAND SURVEYOR  
COLORADO REGISTRATION NUMBER 38512

NOTICE:  
ACCORDING TO COLORADO STATE LAW YOU MUST TAKE IMMEDIATE 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 THE DATE ON THE CERTIFICATION SHOWN HEREON.

## NOTES:

- ▲ INDICATES SECTION CORNER.
- INDICATES CALCULATED CORNER.
- ELEVATION BASED ON NAVD88 (GEOID12B).
- BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM OF 1983, NORTH ZONE.
- ALL MEASURED DISTANCES ARE GRID.  
COMBINED SCALE FACTOR: .99972694 CALCULATED FROM THE C. 1/4 CORNER OF SECTION 24, T2N, R64W.  
OPERATOR: JEREMY GROVES / PDOP = 1.4.
- SEE ADDENDUM TO WELL LOCATION CERTIFICATE FOR EXISTING IMPROVEMENTS WITHIN 500' OF THE WELL PAD.
- WELL FOOTAGES ARE MEASURED AT RIGHT ANGLES TO THE SECTION LINES.
- THE BOTTOM OF PRODUCTION ZONE BEARS S01°09'03"E, 9652' FROM THE LANDING POINT.



## WELL PAD - ARNOLD 02N-64W-24

HELEN 2536-05H  
WELL LOCATION CERTIFICATE  
1243' FSL & 2089' FWL SESW (SURFACE)  
LOCATED IN SECTION 24  
460' FNL & 1361' FWL NENW (LANDING POINT)  
LOCATED IN SECTION 25  
460' FSL & 1361' FWL SESW (BOTTOM OF PRODUCTION ZONE)  
370' FSL & 1361' FWL SESW (BOTTOM)  
LOCATED IN SECTION 36  
T2N, R64W, 6TH P.M.  
WELD COUNTY, COLORADO



1125 17th Street, Suite 550  
Denver, Colorado 80202



## CONSULTING, LLC

SHERIDAN OFFICE  
1095 Saberton Avenue  
Sheridan, Wyoming 82801  
Phone 307-674-0609

LOVELAND OFFICE  
1635 Foxtrail Drive, Suite 204  
Loveland, Colorado 80538  
Phone 970-776-4331

DRAFTED BY:	SJM	CHECKED BY:	RKF	SHEET NO:
DATE DRAFTED:	10/27/21	DATE SURVEYED:	10/14/21	<b>3</b>
REVISED:	11/23/21	FILE NAME:	17-138	3 OF 3