

T6N, R66W

NW. COR.
SEC. 20, T6N, R66W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 30462

S 88°03'08" W
1324.42' (M)

S 88°02'38" W
1324.25' (M)

S 88°42'56" W 2640.71' (M)

NE. COR.
SEC. 20, T6N, R66W
SET 2 1/2" ALUM. CAP
L.S. NO. 38230

W. 1/16 COR.
SEC. 20 & SEC. 17, T6N, R66W
SET 2 1/2" ALUM. CAP
L.S. NO. 38230

N. 1/4 COR.
SEC. 20, T6N, R66W
FOUND 3 1/4" ALUM. CAP
WITNESS COR 39' SOUTH
OF CORNER POSITION
L.S. NO. 22098

MATCH LINE
SEE SHEET 2

SURFACE LOCATION
GROUND ELEVATION= 4736.2'
LATITUDE= 40.468191°
LONGITUDE= -104.796422°
1/4 1/4: SE1/4 SE1/4

TOP OF PRODUCTION
LATITUDE= 40.470370°
LONGITUDE= -104.792126°
1/4 1/4: NW1/4 SW1/4

BOTTOM HOLE LOCATION
LATITUDE= 40.470498°
LONGITUDE= -104.763987°
1/4 1/4: NE1/4 SW1/4

N 00°13'43" W 2642.16' (M)

N 00°27'41" W
2659.98' (C)

N 00°44'26" W 2646.99' (M)

W. 1/4 COR.
SEC. 20, T6N, R66W
FOUND 3 1/4" ALUM. CAP
WITNESS COR 200' SOUTH
OF CORNER POSITION
L.S. NO. 33642

S 88°26'19" W
2659.00' (C)

20

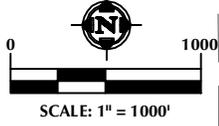
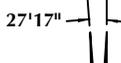
S 88°26'19" W
2653.82' (C)

E. 1/4 COR.
SEC. 20, T6N, R66W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 22098

N 00°13'34" W 2644.08' (M)

N 00°27'41" W
2620.59' (C)

N 00°32'07" W 2635.06' (M)



460' BUFFER

WELL BORE
CONTINUES
INTO SECTION 21

HOOD 23N-22C-M
SURFACE LOCATION

1122'

665'

SW. COR.
SEC. 20, T6N, R66W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 16154

S 87°56'37" W
1335.19' (M)

S 87°56'07" W
1335.22' (M)

S 88°45'03" W
1328.44' (M)

S 88°45'11" W
1328.53' (M)

SE. COR.
SEC. 20, T6N, R66W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 28285

W. 1/16 COR.
SEC. 20 & SEC. 29, T6N, R66W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 9644

S. 1/4 COR.
SEC. 20, T6N, R66W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 23501

E. 1/16 COR.
SEC. 20 & SEC. 29, T6N, R66W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 4392

CERTIFICATE OF SURVEYOR:

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY 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. 38-51-302 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

John R. Slaugh
PROFESSIONAL LAND SURVEYOR
COLORADO REGISTRATION NUMBER 38230
10/24/16

NOTICE:
ACCORDING TO COLORADO STATE 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 THE DATE ON THE CERTIFICATION SHOWN HEREON.

WELL DISTANCES:

- BUILDING: ±991' E
- BUILDING UNIT: ±991' E
- HIGH OCCUPANCY BUILDING UNIT: 5280'+
- DESIGNATED OUTSIDE ACTIVITY AREA: 5280'+
- PUBLIC ROAD: ±655' S
- PROPERTY LINE: ±207' W
- ABOVE GROUND UTILITY: ±670' S
- RAILROAD: ±4578' S

NOTES:

- ▲ INDICATES SECTION CORNER
- INDICATES CALCULATED CORNER
- DRAWING LATITUDE AND LONGITUDE COORDINATES ARE NAD 83 (2011)(EPOCH:2010)
- 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: .99974122 CALCULATED FROM THE SE. CORNER OF SECTION 20, T6N, R66W
- OPERATOR: ROB WILSON / PDOP = 1.3
- 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 HOLE BEARS N89°11'34"E, 7829' FROM THE TOP OF PRODUCTION ZONE.

WELL PAD - HOOD-DOLES 37-20

HOOD 23N-22C-M
WELL LOCATION CERTIFICATE
665' FSL & 1122' FEL SESE (SURFACE)
LOCATED IN SECTION 20
1442' FSL & 75' FWL NWSW (TOP OF PRODUCTION)
LOCATED IN SECTION 21
1397' FSL & 2609' FWL NESW (BOTTOM)
LOCATED IN SECTION 22
T6N, R66W, 6TH P.M.
WELD COUNTY, COLORADO



1625 Broadway, Suite 300
Denver, Colorado 80202



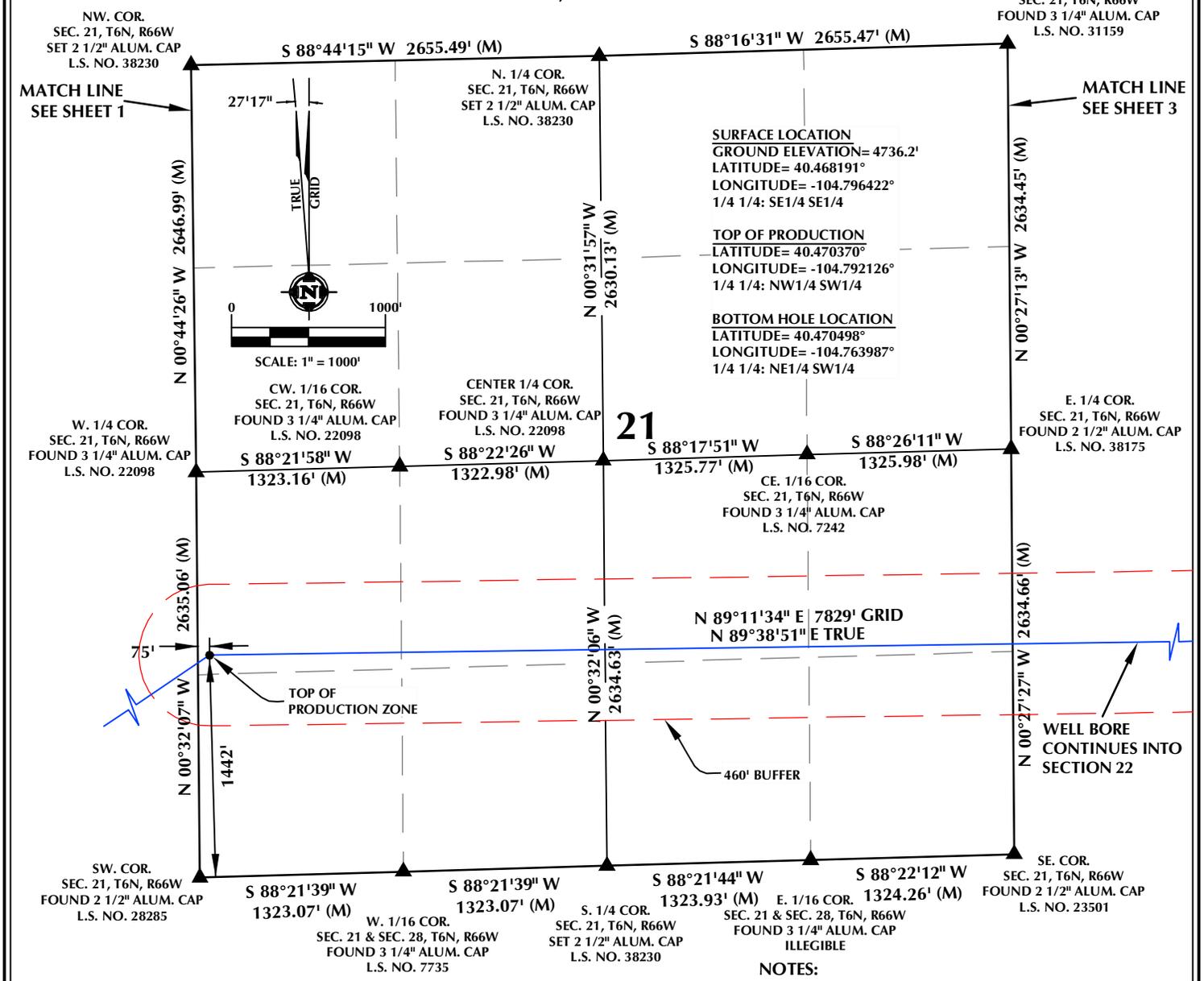
CONSULTING, LLC

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:	LMO	CHECKED BY:	JRS	SHEET NO:	1
DATE DRAFTED:	9/12/16	DATE SURVEYED:	7/7/16		
REVISED:	10/24/16	FILE NAME:	16-80		1 OF 3

T6N, R66W



CERTIFICATE OF SURVEYOR:

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY 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. 38-51-302 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

John R. Slaugh
JOHN R. SLAUGH
 PROFESSIONAL LAND SURVEYOR
 COLORADO REGISTRATION NUMBER 38230
 10/24/16

NOTICE:
 ACCORDING TO COLORADO STATE 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 THE DATE ON THE CERTIFICATION SHOWN HEREON.

WELL DISTANCES:

- BUILDING: ±991' E
- BUILDING UNIT: ±991' E
- HIGH OCCUPANCY BUILDING UNIT: 5280'+
- DESIGNATED OUTSIDE ACTIVITY AREA: 5280'+
- PUBLIC ROAD: ±655' S
- PROPERTY LINE: ±207' W
- ABOVE GROUND UTILITY: ±670' S
- RAILROAD: ±4578' S

NOTES:

1. ▲ INDICATES SECTION CORNER
2. ● INDICATES CALCULATED CORNER
3. DRAWING LATITUDE AND LONGITUDE COORDINATES ARE NAD 83 (2011)(EPOCH2010)
4. ELEVATION BASED ON NAVD88 (GEOID12B)
5. BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM OF 1983 NORTH ZONE.
6. ALL MEASURED DISTANCES ARE GRID. COMBINED SCALE FACTOR: .99974122 CALCULATED FROM THE SE. CORNER OF SECTION 20, T6N, R66W
7. OPERATOR: ROB WILSON / PDOP = 1.3
8. SEE ADDENDUM TO WELL LOCATION CERTIFICATE FOR EXISTING IMPROVEMENTS WITHIN 500' OF THE WELL PAD.
9. WELL FOOTAGES ARE MEASURED AT RIGHT ANGLES TO THE SECTION LINES.
10. THE BOTTOM OF HOLE BEARS N89°11'34"E, 7829' FROM THE TOP OF PRODUCTION ZONE.

WELL PAD - HOOD-DOLES 37-20

HOOD 23N-22C-M
 WELL LOCATION CERTIFICATE
 665' FSL & 1122' FEL SESE (SURFACE)
 LOCATED IN SECTION 20
 1442' FSL & 75' FWL NWSW (TOP OF PRODUCTION)
 LOCATED IN SECTION 21
 1397' FSL & 2609' FWL NESW (BOTTOM)
 LOCATED IN SECTION 22
 T6N, R66W, 6TH P.M.
 WELD COUNTY, COLORADO

SYNERGY
 RESOURCES CORPORATION
 1625 Broadway, Suite 300
 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:	LMO	CHECKED BY:	JRS	SHEET NO:
DATE DRAFTED:	9/12/16	DATE SURVEYED:	7/7/16	2
REVISED:	10/24/16	FILE NAME:	16-80	2 OF 3

T6N, R66W

E. 1/16 COR.
SEC. 22 & SEC. 15, T6N, R66W
FOUND 2 1/2" ALUM. CAP W.C
L.S. NO. 30462
SET 2 1/2" ALUM. CAP W.C
L.S. NO. 38230

NE. COR.
SEC. 22, T6N, R66W
FOUND 2 1/2" ALUM. CAP
REFERENCE MONUMENTS
33.24' NW AND 32.22' NE
OF CORNER POSITION
L.S. NO. 30462

NW. COR.
SEC. 22, T6N, R66W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 31159

W. 1/16 COR.
SEC. 22 & SEC. 15, T6N, R66W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 38175

S 89°55'52" W
1348.10' (M)

S 89°55'17" W
1348.13' (M)

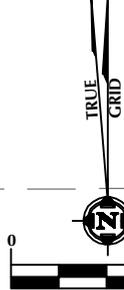
S 89°56'56" W
1328.01' (M)

S 89°54'11" W
1328.77' (M)

MATCH LINE
SEE SHEET 2

N 00°27'13" W 2634.45' (M)

27'17"



SCALE: 1" = 1000'

CW. 1/16 COR.
SEC. 22, T6N, R66W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 38175

N. 1/4 COR.
SEC. 22, T6N, R66W
FOUND 2 1/2" ALUM. CAP
WITNESS CORNER 15'
SOUTH OF CORNER
POSITION
L.S. NO. 28285

SURFACE LOCATION
GROUND ELEVATION= 4736.2'
LATITUDE= 40.468191°
LONGITUDE= -104.796422°
1/4 1/4: SE1/4 SE1/4

TOP OF PRODUCTION
LATITUDE= 40.470370°
LONGITUDE= -104.792126°
1/4 1/4: NW1/4 SW1/4

BOTTOM HOLE LOCATION
LATITUDE= 40.470498°
LONGITUDE= -104.763987°
1/4 1/4: NE1/4 SW1/4

N 00°16'03" W
2632.97' (M)

N 00°30'20" W 2631.47' (M)

W. 1/4 COR.
SEC. 22, T6N, R66W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 38175

S 89°54'04" W
1343.90' (M)

CENTER 1/4 COR.
SEC. 22, T6N, R66W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 11399

S 89°53'25" W
1343.78' (M)

22

S 89°53'37" W
1333.21' (M)

S 89°53'30" W
1334.49' (M)

E. 1/4 COR.
SEC. 22, T6N, R66W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 19585

CE. 1/16 COR.
SEC. 22, T6N, R66W
SET 2 1/2" ALUM. CAP
L.S. NO. 38230

N 00°27'27" W 2634.66' (M)

N 00°16'07" W
2632.86' (M)

BOTTOM
OF HOLE

2609'

N 89°11'34" E 7829' GRID
N 89°38'51" E TRUE

460' BUFFER

1397'

N 00°30'53" W 2631.18' (M)

SW. COR.
SEC. 22, T6N, R66W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 23501

S 89°51'32" W
1339.53' (M)

W. 1/16 COR.
SEC. 22 & SEC. 27, T6N, R66W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 38175

S 89°51'26" W
1339.46' (M)

S. 1/4 COR.
SEC. 22, T6N, R66W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 30462

S 89°51'19" W 2678.99' (M)

SE. COR.
SEC. 22, T6N, R66W
SET 2 1/2" ALUM. CAP
L.S. NO. 38230

CERTIFICATE OF SURVEYOR:

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY 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.T.S. 38-51-302 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

John R. Slaugh
JOHN R. SLAUGH
PROFESSIONAL LAND SURVEYOR
COLORADO REGISTRATION NUMBER 38230
10/24/16

NOTICE:
ACCORDING TO COLORADO STATE 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 THE DATE ON THE CERTIFICATION SHOWN HEREON.

WELL DISTANCES:

BUILDING: ±991' E
BUILDING UNIT: ±991' E
HIGH OCCUPANCY BUILDING UNIT: 5280'+
DESIGNATED OUTSIDE ACTIVITY AREA: 5280'+
PUBLIC ROAD: ±655' S
PROPERTY LINE: ±207' W
ABOVE GROUND UTILITY: ±670' S
RAILROAD: ±4578' S

NOTES:

- ▲ INDICATES SECTION CORNER
- INDICATES CALCULATED CORNER
- DRAWING LATITUDE AND LONGITUDE COORDINATES ARE NAD 83 (2011)(EPOCH2010)
- 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: .99974122 CALCULATED FROM THE SE. CORNER OF SECTION 20, T6N, R66W
- OPERATOR: ROB WILSON / PDOP = 1.3
- 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 HOLE BEARS N89°11'34"E, 7829' FROM THE TOP OF PRODUCTION ZONE.

WELL PAD - HOOD-DOLES 37-20

HOOD 23N-22C-M
WELL LOCATION CERTIFICATE
665' FSL & 1122' FEL SESE (SURFACE)
LOCATED IN SECTION 20
1442' FSL & 75' FWL NWSW (TOP OF PRODUCTION)
LOCATED IN SECTION 21
1397' FSL & 2609' FWL NESW (BOTTOM)
LOCATED IN SECTION 22
T6N, R66W, 6TH P.M.
WELD COUNTY, COLORADO



1625 Broadway, Suite 300
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:	LMO	CHECKED BY:	JRS	SHEET NO: 3 3 OF 3
DATE DRAFTED:	9/12/16	DATE SURVEYED:	7/7/16	
REVISED:	10/24/16	FILE NAME:	16-80	