# T5N, R66W

NW. COR.
SEC. 29, T5N, R66W
FOUND 2 1/2" ALUM. CAP
P.L.S. NO. 38230

N. 1/4 COR.
SEC. 29, T5N, R66W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 22098

E. 1/16 COR.
SEC. 20 & SEC. 29, T5N, R66W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 34995

NE. COR.
SEC. 29, T5N, R66W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 22098

S 89°08'56" W 2699.27' (M)

S 89°35'38" W 1305.33' (M)

S 89°35'48" W 1305.41' (M)

SANFORD 32N-30B-M
SURFACE HOLE LOCATION

871'

2392'

N 01°30'59" W 1321.51' (M)

2552'

N 00°06'04" E 2648.70' (M)

N 00°00'29" E 2633.68' (M)

N. 1/16 COR.
SEC. 29 & SEC. 30
T5N, R66W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 7242

WELLBORE CONTINUES INTO SECTION 30 T5N, R66W

N 01°31'04" W 1321.42' (M)

TOP OF PRODUCTIVE ZONE

2477'

W. 1/4 COR.
SEC. 29, T5N, R66W
FOUND 3 1/4" ALUM. CAP
P.L.S. NO. 10855

S 89°16'14" W 2624.55' (M)

CENTER 1/4 COR.
SEC. 29, T5N, R66W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 7242

29

S 89°16'11" W 1307.58' (M)

S 89°15'51" W 1307.60' (M)

CE. 1/16 COR.
SEC. 29, T5N, R66W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 34995

E. 1/4 COR.
SEC. 29, T5N, R66W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 7242

SURFACE HOLE LOCATION
GROUND ELEVATION= 4902.3'
LATITUDE= 40.375364°
LONGITUDE= -104.804370°
1/4 1/4: NE1/4 NW1/4
TOP OF PRODUCTIVE ZONE
LATITUDE= 40.370752°
LONGITUDE= -104.803951°
1/4 1/4: SE1/4 NW1/4
BOTTOM OF PRODUCTIVE ZONE
LATITUDE= 40.370787°
LONGITUDE= -104.831534°
1/4 1/4: SW1/4 NW1/4
BOTTOM HOLE LOCATION
LATITUDE= 40.370788°
LONGITUDE= -104.831893°
1/4 1/4: SW1/4 NW1/4

N 00°00'01" E 2643.19' (M)

N 00°05'49" E 2647.97' (M)

N 00°00'10" E 2652.61' (M)

26'58"

TRUE

GRID

N

0

1000'

SCALE: 1" = 1000'

MATCH LINE SEE SHEET 2

SW. COR.
SEC. 29, T5N, R66W
FOUND 3 1/4" ALUM. CAP
P.L.S. NO. 10855

S 89°22'26" W 2620.03' (M)

S. 1/4 COR.
SEC. 29, T5N, R66W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 7242

S 89°22'11" W 2619.48' (M)

SE. COR.
SEC. 29, T5N, R66W
FOUND 3 1/4" BRASS CAP
L.S. NO. 16415

## 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.

COLORADO LICENSED PROFESSIONAL LAND SURVEYOR RANDALL K. FRENCH 38512

RANDALL K. FRENCH 9/14/18
PROFESSIONAL LAND SURVEYOR
COLORADO REGISTRATION NUMBER 38512

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: ±639' N
BUILDING UNIT: ±2129' N
HIGH OCCUPANCY BUILDING UNIT: ±4919' E
DESIGNATED OUTSIDE ACTIVITY AREA: 5280'+
PUBLIC ROAD: ±268' E
ABOVE GROUND UTILITY: ±253' E
RAILROAD: 5280'+
PROPERTY LINE: ±283' E

## NOTES:

1. ▲ INDICATES SECTION CORNER.
2. ◉ INDICATES CALCULATED CORNER.
3. DRAWING LATITUDE AND LONGITUDE COORDINATES ARE NAD 83 (2011)(EPOCH:2010).
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: .99972855 CALCULATED FROM THE E. 1/4 CORNER OF SECTION 29, T5N, R66W.
7. OPERATOR: ROB WILSON / PDOP = 1.4.
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 HOLE LOCATION BEARS S89°39'15"W, 7785' FROM THE TOP OF PRODUCTIVE ZONE.

## WELL PAD - SANFORD 21-29 PAD

SANFORD 32N-30B-M
WELL LOCATION CERTIFICATE
871' FNL & 2392' FWL NENW (SURFACE HOLE LOCATION)
2552' FNL & 2477' FWL SENW (TOP OF PRODUCTIVE ZONE)
LOCATED IN SECTION 29
2544' FNL & 150' FWL LOT 2 (SWNW)
(BOTTOM OF PRODUCTIVE ZONE)
2544' FNL & 50' FWL LOT 2 (SWNW) (BOTTOM HOLE LOCATION)
LOCATED IN SECTION 30
T5N, R66W, 6TH P.M.
WELD COUNTY, COLORADO

SRC ENERGY
1675 Broadway, Suite 2600
Denver, Colorado 80202

609 CONSULTING, LLC

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

LOVELAND OFFICE
6706 North Franklin Avenue
Loveland, Colorado 80538
Phone 970-776-4331

| | | | |
|---|---|---|---|
| DRAFTED BY: LMO | CHECKED BY: RKF | SHEET NO: | |
| DATE DRAFTED: 9/14/18 | DATE SURVEYED: 8/30/18 | 1 | |
| REVISED: | FILE NAME: 17-232 | 1 OF 2 | |

K:\SYNERGY RESOURCES\2017\2017_232_SANFORD_T5N_R66W_SEC_29\PLATS\SANFORD 21-29 PLAT WEST.dwg, 9/18/2018 3:29:59 PM, lisa

# T5N, R66W

NW. COR.
SEC. 30, T5N, R66W
FOUND 3 1/4" ALUM. CAP
P.L.S. NO. 16154

N. 1/4 COR.
SEC. 30, T5N, R66W
FOUND 2 1/2" ALUM. CAP
P.L.S. NO. 16154

NE. COR.
SEC. 30, T5N, R66W
FOUND 2 1/2" ALUM. CAP
P.L.S. NO. 38230

N 89°48'02" E 2645.62' (M)

N 89°49'22" E 2670.53' (M)

N 00°34'08" W 2586.13' (M)

2544'

2544'

N 01°14'27" W 1296.32' (M)

N 01°30'59" W 1321.51' (M)

N. 1/16 COR.
SEC. 29 & SEC. 30
T5N, R66W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 7242

NO. 2

NO. 1

CN. 1/6 COR.
SEC. 30, T5N, R66W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 7242

N 01°15'08" W 1296.34' (M)

N 01°31'04" W 1321.42' (M)

50'

150'

S 89°39'15" W 7785' GRID
N 89°53'47" W TRUE

W. 1/4 COR.
SEC. 30, T5N, R66W
FOUND 2 1/2" ALUM. CAP
P.L.S. NO. 16154

N 89°55'56" E
2676.33' (M)

S 89°06'35" E
2684.41' (M)

30

CENTER 1/4 COR.
SEC. 30, T5N, R66W
FOUND 2 1/2" ALUM. CAP
P.L.S. NO. 16154

E. 1/4 COR.
SEC. 30, T5N, R66W
FOUND 3 1/4" ALUM. CAP
P.L.S. NO. 10855

BOTTOM OF
PRODUCTIVE ZONE

BOTTOM
HOLE
LOCATION

MATCH LINE
SEE SHEET 1

26'58"

TRUE

GRID

N 00°34'36" W 2677.08' (M)

N 00°23'31" W 2679.05' (M)

N 00°00'01" E 2643.19' (M)

NO. 2

NO. 1

0

1000'

SCALE: 1" = 1000'

**SURFACE HOLE LOCATION**
GROUND ELEVATION= 4902.3'
LATITUDE= 40.375364°
LONGITUDE= -104.804370°
1/4 1/4: NE1/4 NW1/4

**TOP OF PRODUCTIVE ZONE**
LATITUDE= 40.370752°
LONGITUDE= -104.803951°
1/4 1/4: SE1/4 NW1/4

**BOTTOM OF PRODUCTIVE ZONE**
LATITUDE= 40.370787°
LONGITUDE= -104.831534°
1/4 1/4: SW1/4 NW1/4

**BOTTOM HOLE LOCATION**
LATITUDE= 40.370788°
LONGITUDE= -104.831893°
1/4 1/4: SW1/4 NW1/4

SW. COR.
SEC. 30, T5N, R66W
FOUND 3 1/4" ALUM. CAP
ILLEGIBLE

N 89°58'33" E 2667.71' (M)

S. 1/4 COR.
SEC. 30, T5N, R66W
FOUND 3 1/4" ALUM. CAP
P.L.S. NO. 16154

S 89°52'23" E 2665.75' (M)

SE. COR.
SEC. 30, T5N, R66W
FOUND 3 1/4" ALUM. CAP
P.L.S. NO. 10855

## NOTES:

1. ▲ INDICATES SECTION CORNER.
2. ◉ INDICATES CALCULATED CORNER.
3. DRAWING LATITUDE AND LONGITUDE COORDINATES ARE NAD 83 (2011)(EPOCH:2010).
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: .99972855 CALCULATED FROM THE E. 1/4 CORNER OF SECTION 29, T5N, R66W.
7. OPERATOR: ROB WILSON / PDOP = 1.4.
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 HOLE LOCATION BEARS S89°39'15"W, 7785' FROM THE TOP OF PRODUCTIVE ZONE.
11. NO. 1 & NO. 2 AS SHOWN HEREON ARE GOVERNMENT LOTS 1 & 2 PER THE ORIGINAL GLO SURVEY.

## 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.

COLORADO LICENSED PROFESSIONAL LAND SURVEYOR RANDALL K. FRENCH 38512

RANDALL K. FRENCH 9/14/18
PROFESSIONAL LAND SURVEYOR
COLORADO REGISTRATION NUMBER 38512

**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: ±639' N
BUILDING UNIT: ±2129' N
HIGH OCCUPANCY BUILDING UNIT: ±4919' E
DESIGNATED OUTSIDE ACTIVITY AREA: 5280'+
PUBLIC ROAD: ±268' E
ABOVE GROUND UTILITY: ±253' E
RAILROAD: 5280'+
PROPERTY LINE: ±283' E

## WELL PAD - SANFORD 21-29 PAD

SANFORD 32N-30B-M
WELL LOCATION CERTIFICATE
871' FNL & 2392' FWL NENW (SURFACE HOLE LOCATION)
2552' FNL & 2477' FWL SENW (TOP OF PRODUCTIVE ZONE)
LOCATED IN SECTION 29
2544' FNL & 150' FWL LOT 2 (SWNW)
(BOTTOM OF PRODUCTIVE ZONE)
2544' FNL & 50' FWL LOT 2 (SWNW) (BOTTOM HOLE LOCATION)
LOCATED IN SECTION 30
T5N, R66W, 6TH P.M.
WELD COUNTY, COLORADO

SRC ENERGY
1675 Broadway, Suite 2600
Denver, Colorado 80202

609 CONSULTING, LLC

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

LOVELAND OFFICE
6706 North Franklin Avenue
Loveland, Colorado 80538
Phone 970-776-4331

| | | | |
|---|---|---|---|
| DRAFTED BY: LMO | CHECKED BY: RKF | SHEET NO: 2 OF 2 |
| DATE DRAFTED: 9/14/18 | DATE SURVEYED: 8/30/18 | |
| REVISED: | FILE NAME: 17-232 | |

K:\SYNERGY RESOURCES\2017\2017_232_SANFORD_T5N_R66W_SEC_29\PLATS\SANFORD 21-29 PLAT WEST.dwg, 9/18/2018 3:30:00 PM, lisa