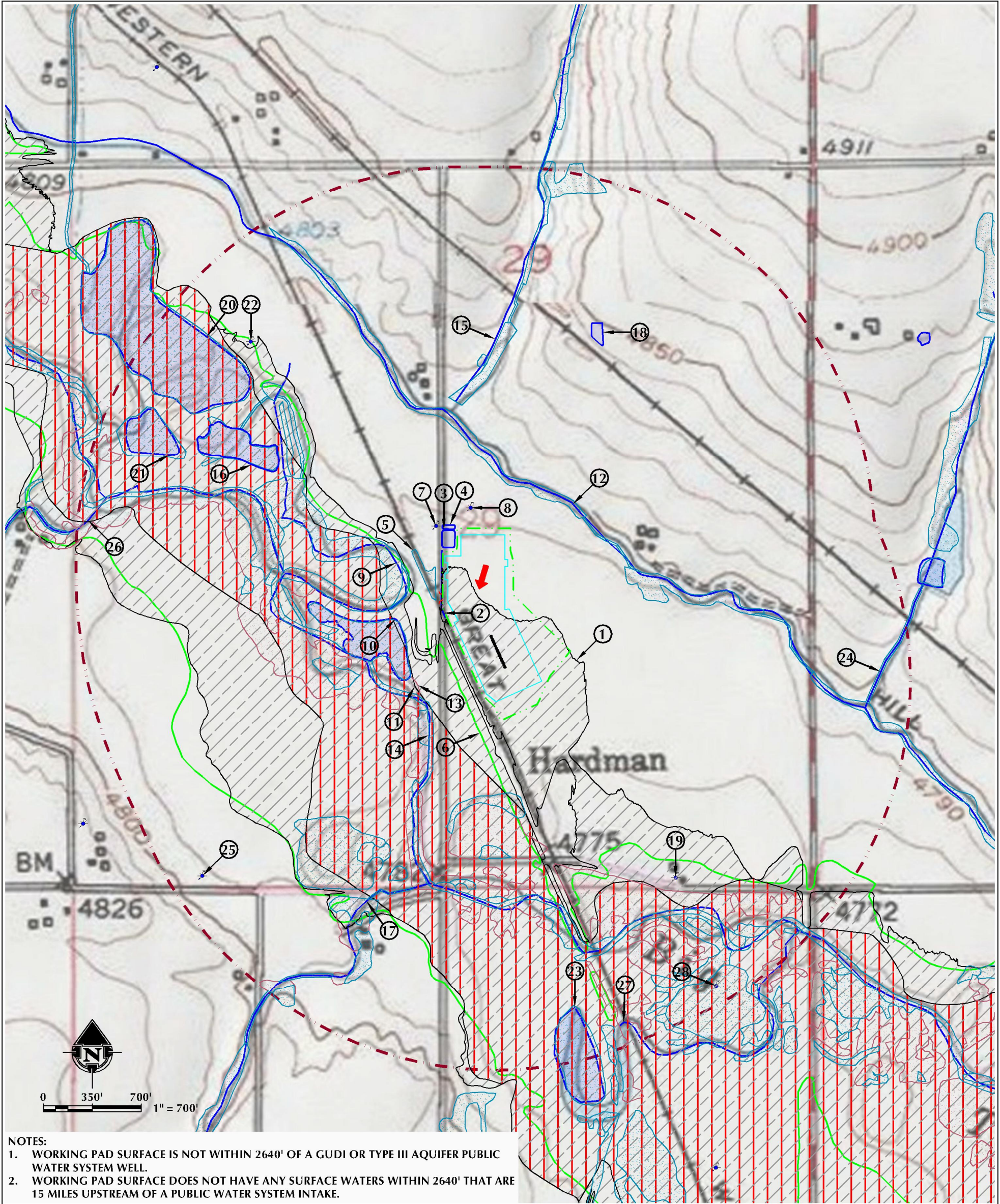


HYDROLOGY MAP
PAUL NELSON 25-29HZ
HORIZONTAL MULTI-WELL PAD

W1/2 SE1/4 SECTION 29, TOWNSHIP 5 NORTH, RANGE 67 WEST, 6TH P.M. WELD COUNTY, COLORADO



- NOTES:
1. WORKING PAD SURFACE IS NOT WITHIN 2640' OF A GUDI OR TYPE III AQUIFER PUBLIC WATER SYSTEM WELL.
 2. WORKING PAD SURFACE DOES NOT HAVE ANY SURFACE WATERS WITHIN 2640' THAT ARE 15 MILES UPSTREAM OF A PUBLIC WATER SYSTEM INTAKE.

- | | | |
|--|--|---|
| 1. 100-YEAR FLOODPLAIN (PRELIMINARY, 2020) IS ±0'. | 7. EXISTING WATER WELL (PERMIT #609-WCB, WELL CONSTRUCTED) IS 187' W. | 17. DITCH IS ±1386' S. |
| 2. DITCH IS ±23' W. | 8. EXISTING WATER WELL (PERMIT #219807, PERMIT ISSUED) IS 193' N. | 18. POND IS ±1523' NE. |
| 3. POND IS ±43' W. | 9. DITCH IS ±282' W. | 19. EXISTING WATER WELL (PERMIT #100929--A, PERMIT ISSUED) IS 1704' SE. |
| 4. POND IS ±61' NW. | 10. POND IS ±372' W. | 20. POND IS ±1834' NW. |
| 5. NWI RIVERINE/POND/WETLAND AREAS ARE ±67' W, ±253' W, ±307' W, ±355' N, ±360' W, ±400' SW, ±433' SW, ±565' E, ±661' S, ±772' SW, ±838' E, ±884' W, ±930' N, ±1029' W, ±1033' S, ±1159' W, ±1165' NW, ±1190' W, ±1207' N, ±1223' NW, ±1271' SW, ±1282' SW, ±1292' S, ±1356' NW, ±1359' SW, ±1371' W, ±1396' S, ±1457' SW, ±1520' S, ±1521' N, ±1570' E, ±1641' NW, ±1652' SW, ±1688' NW, ±1762' NW, ±1798' N, ±1818' NW, ±1863' SE ±1877' SW, ±1895' SE, ±1923' E, ±1987' SE, ±1989' SE, ±1992' W, ±2227' SE, ±2238' SE, ±2239' SE, ±2247' S, ±2272' SW, ±2322' E, ±2410' SE, ±2414' N, ±2437' N, ±2445' S, ±2481' SE, ±2492' SW, ±2526' SE, ±2577' S, ±2628' SW AND ±2635' SE. | 11. 100-YEAR FLOODWAY (PRELIMINARY, 2020) IS ±381' SW. | 21. POND IS ±2044' W. |
| 6. 100-YEAR FLOODPLAIN (EFFECTIVE, 2016) IS ±147' SW. | 12. HILL AND BRUSH DITCH IS ±388' N. | 22. EXISTING WATER WELL (PERMIT #83868-F, PERMIT ISSUED) IS 2045' NW. |
| | 13. NWI RIPARIAN AREAS ARE ±421' SW, ±433' SW, ±519' SW, ±590' SW, ±640' SW, ±671' SW, ±684' SW, ±734' S, ±840' SW, ±879' SW, ±923' W, ±1185' S, ±1201' W, ±1235' S, ±1293' S, ±1350' S, ±1409' S, ±1435' S, ±1460' S, ±1696' SE, ±1743' SE, ±1758' SW, ±1869' SE, ±1884' SE, ±1958' SE, ±1967' S, ±1979' SE, ±2046' SE, ±2061' SE, ±2226' SW, ±2343' SE, ±2421' W, ±2433' SE AND ±2479' SW. | 23. POND IS ±2265' S. |
| | 14. BIG THOMPSON RIVER IS ±421' SW. | 24. DITCH IS ±2322' E. |
| | 15. DITCH IS ±959' N. | 25. EXISTING WATER WELL (PERMIT #100929, WELL CONSTRUCTED) IS 2415' SW. |
| | 16. POND IS ±1356' NW. | 26. DITCH IS ±2458' W. |
| | | 27. DITCH IS ±2473' S. |
| | | 28. EXISTING WATER WELL (PERMIT#44561-MH, PERMIT ISSUED) IS 2514' SE. |

- | | |
|----------------------------------|---|
| LEGEND | LEGEND |
| PROPOSED WELL | DISTURBANCE AREA (OIL AND GAS LOCATION) |
| WATER WELL | WORKING PAD SURFACE |
| PROPOSED ACCESS ROAD | 100-YEAR FLOODPLAIN (PRELIMINARY, 2020) |
| DITCH/CANAL/DRAINAGE | 100-YEAR FLOODWAY (PRELIMINARY, 2020) |
| DOWNGRADIENT | 100-YEAR FLOODPLAIN (EFFECTIVE, 2016) |
| 2640' WORKING PAD SURFACE BUFFER | NWI RIVERINE/POND/WETLAND |
| | NWI RIPARIAN AREA |

ALL MEASUREMENTS ARE MADE
FROM NEAREST EDGE OF
WORKING PAD SURFACE



LOVELAND OFFICE
6706 North Franklin Avenue
Loveland, Colorado 80538
Phone: 970-776-1331

SHERIDAN OFFICE
1095 Saberton Avenue
Sheridan, Wyoming 82801
Phone: 307-674-6069

DATE SURVEYED: 7/14/21
DATE: 9/15/21
DRAFTER: GLK
REVISED:

DATA SOURCES & NOTES:

- TOPOGRAPHIC MAP IS COURTESY OF USGS.
- WATER WELLS COURTESY OF COLORADO DIVISION OF WATER RESOURCES.
- MANY FEATURES ON THIS MAP COME FROM PUBLICLY AVAILABLE DATA AND SURFACE WATER LYING OUTSIDE THE SURFACE PROPERTY MAY HAVE BEEN OBTAINED FROM AERIAL IMAGERY. THE ACCURACY AND COMPLETENESS OF SAID DATA HAS NOT BEEN VERIFIED BY 609 CONSULTING, LLC. EXISTING CONDITIONS MAY DIFFER FROM WHAT IS SHOWN.

PREPARED FOR:

Kerr-McGee Oil & Gas Onshore L.P.