NOBLE ENERGY, INC

Location:	COLORADO	Slot:	SLOT#02 Guttersen Y12-773 (610'FSL & 2316'FEL,SEC.12)
Field:	WELD COUNTY (NOBLE NAD 83 GRID)	Well:	Guttersen Y12-773
Facility:	SEC.12-T02N-R64W	Wellbore:	Guttersen Y12-773 PWB

Plot reference wellpath is Guttersen Y12-773 (REV-B.1) PWP	Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet
True vertical depths are referenced to RIG (4866'GL+30'KB = 4896'RKB) (RKB)	North Reference: Grid north
Reference wellpath measured depths are referenced to RIG (4866'GL+30'KB = 4896'RKB) (RKB)	Scale: True distance
RIG (4866'GL+30'KB = 4896'RKB) (RKB) to Mean Sea Level: 4893 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: SLOT#02 Guttersen Y12-773 (610'FSL & 2316'FEL,SEC.12)): 0 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: guenaler on 2023-12-05; Database: WA_Denver

Location Information

Facility Name			Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
SEC.12-T02N-R64W			3279878.757	1298091.404	40°08'50.3448"N	104°29'55.6692"W
Slot	**Local N (ft)**	**Local E (ft)**	**Grid East (US ft)**	**Grid North (US ft)**	**Latitude**	**Longitude**
SLOT#02 Guttersen Y12-773 (610'FSL & 2316'FEL,SEC.12)	0.25	22.36	3279901.120	1298091.657	40°08'50.3448"N	104°29'55.3812"W

RIG (4866'GL+30'KB = 4896'RKB) (RKB) to Ground level (At Slot: SLOT#02 Guttersen Y12-773 (610'FSL & 2316'FEL,SEC.12))	4893ft
Mean Sea Level to Ground level (At Slot: SLOT#02 Guttersen Y12-773 (610'FSL & 2316'FEL,SEC.12))	0ft
RIG (4866'GL+30'KB = 4896'RKB) (RKB) to Mean Sea Level	4893ft

Well Profile Data

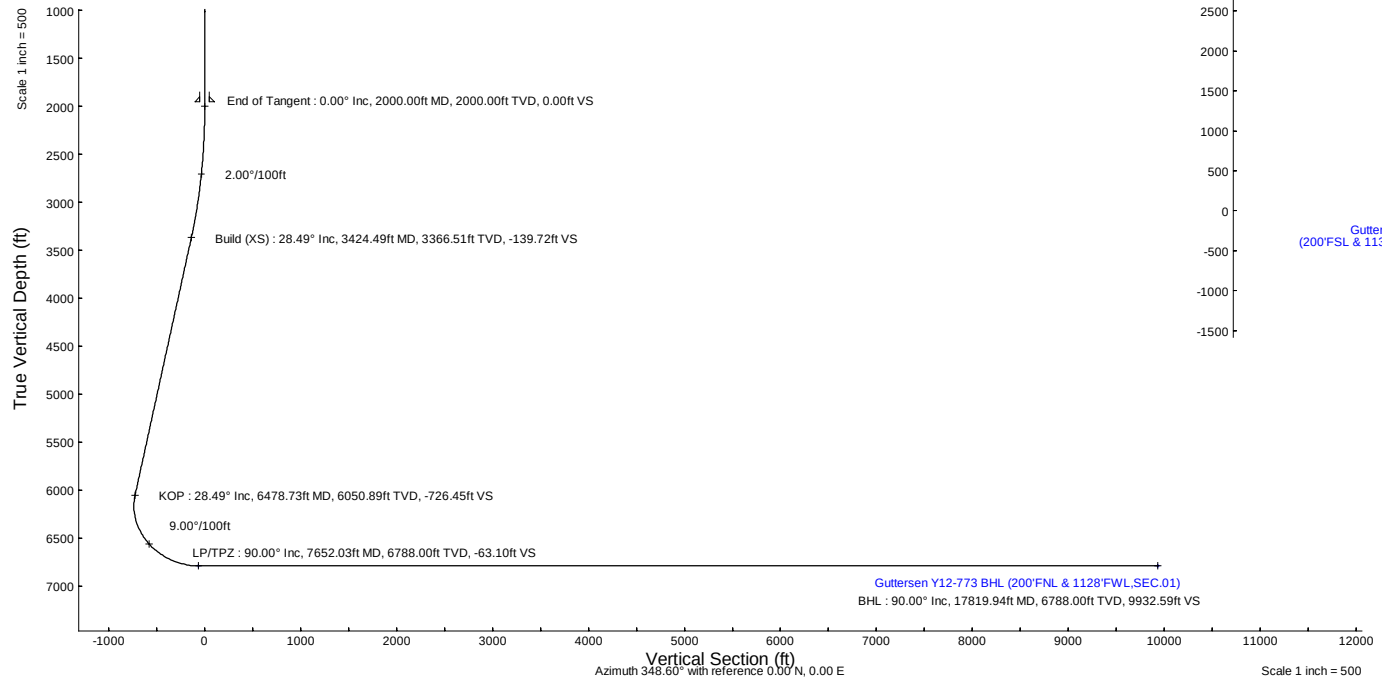
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
SHL	30.00	0.000	234.851	30.00	0.00	0.00	0.00	0.00
End of Tangent	2000.00	0.000	234.851	2000.00	0.00	0.00	0.00	0.00
Build (XS)	3424.49	28.490	234.851	3366.51	-199.72	-283.66	2.00	-139.72
KOP	6478.73	28.490	234.851	6050.89	-1038.45	-1474.90	0.00	-726.45
LP/TPZ	7652.03	90.000	359.161	6788.00	-430.17	-1814.28	9.00	-63.10
BHL	17819.94	90.000	359.161	6788.00	9736.65	-1963.16	0.00	9932.59

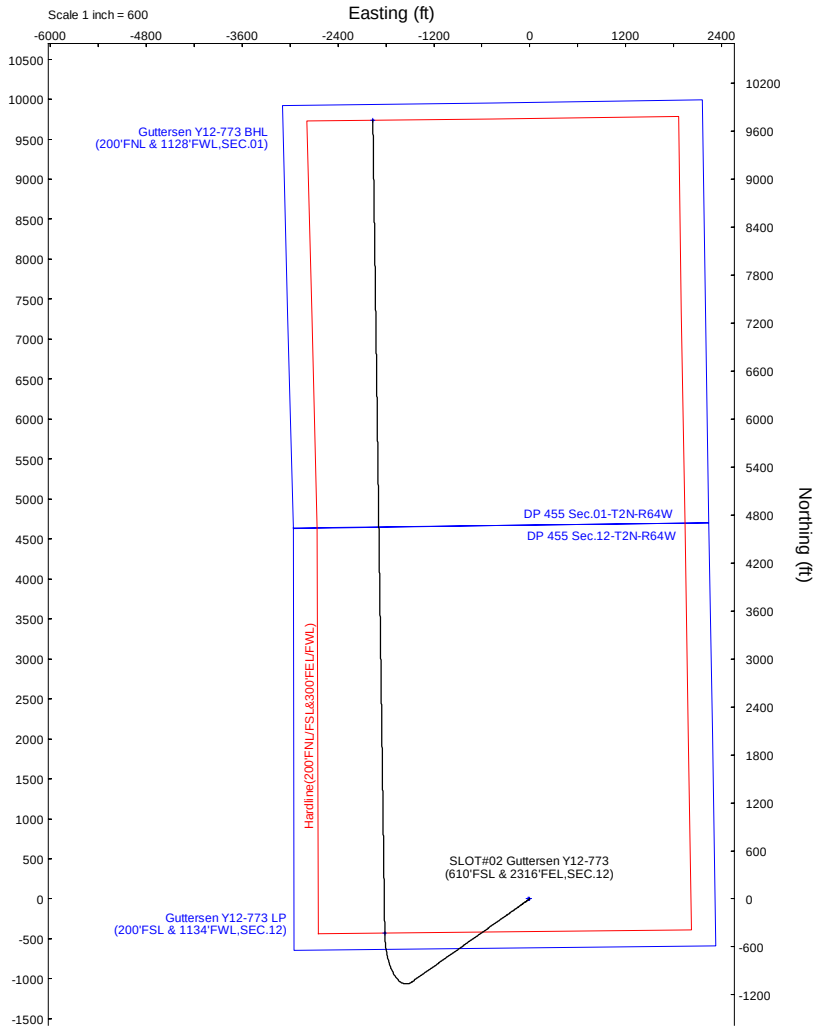
Targets

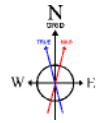
Name	MD (ft)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
DP 455 Sec.01-T2N-R64W	N/A	-3.00	-0.25	-22.36	3279878.76	1298091.40	40°08'50.3448"N	104°29'55.6692"W
DP 455 Sec.12-T2N-R64W	N/A	-3.00	-0.25	-22.36	3279878.76	1298091.40	40°08'50.3448"N	104°29'55.6692"W
Guttersen Y12-773 BHL (200'FNL & 1128'FWL,SEC.01)	17819.94	6788.00	9736.65	-1963.16	3277938.05	1307827.88	40°10'26.7751"N	104°30'19.2535"W
Guttersen Y12-773 LP (200'FSL & 1134'FWL,SEC.12)	7652.03	6788.00	-430.17	-1814.28	3278086.92	1297661.50	40°08'46.2958"N	104°30'18.8050"W
DP 455 West Hardline(200'FNL/FSL&300'FEL/FWL)	N/A	6849.00	0.65	90.02	3279991.13	1298092.31	40°08'50.3412"N	104°29'54.2220"W
DP455 East Hardline (200'FNL/FSL&300'FEL/FWL)	N/A	6900.00	0.00	0.00	3279901.12	1298091.66	40°08'50.3448"N	104°29'55.3812"W

Survey Program

Start MD (ft)	End MD (ft)	Tool	Model	Log Name/Comment	Wellbore
30.00	17872.58	OWSG MWD rev2	OWSG MWD rev2 (MS+IFR1)		Guttersen Y12-773 PWB







BGGM (1900.0 to 2024.0) Dip: 66.38° Field: 51693.3 nT
Magnetic North is 7.63 degrees East of True North (at 3/31/2023)
Grid North is 0.65 degrees East of True North
To correct azimuth from True to Grid subtract 0.65 degrees
To correct azimuth from Magnetic to Grid add 6.98 degrees

Scale 1 inch = 500

Planned Wellpath Report

Guttersen Y12-773 (REV-B.1) PWP

REFERENCE WELLPATH IDENTIFICATION			
Operator	**NOBLE ENERGY, INC**	Well	**Guttersen Y12-773**
Field	**WELD COUNTY (NOBLE NAD 83 GRID)**	API/Legal	
Facility	**SEC.12-T02N-R64W**	Wellbore	**Guttersen Y12-773 PWB**
Slot	**SLOT#02 Guttersen Y12-773 (610'FSL & 2316'FEL,SEC.12)**		

REPORT SETUP INFORMATION			
Projection System	**NAD83 / Lambert Colorado SP, Northern Zone (501), US feet**	Software System	**WellArchitect® 6.0**
North Reference	**Grid**	User	**Guenaler**
Scale	**0.999958**	Report Generated	**2/12/2024** at **10:54:44 AM**
Convergence at slot	**0.65° East**	Database	**WA_Denver**

WELLPATH LOCATION	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	**East[ft]**	**Easting[US ft]**	**Northing[US ft]**	**Latitude**	**Longitude**
Slot Location	0.25	22.36	3279901.12	1298091.66	**40.1473180°**	**-104.4987170°**
Facility Reference Pt			3279878.76	1298091.40	**40.1473180°**	**-104.4987970°**
Field Reference Pt			**3000000.00**	**4454105.15**	48.7761986°	-105.5000000°

WELLPATH DATUM			
Calculation method	**Minimum curvature**	RIG (4866'GL+30'KB = 4896'RKB) (RKB) to Facility Vertical Datum	**4893.00ft**
Horizontal Reference Pt	**Slot**	RIG (4866'GL+30'KB = 4896'RKB) (RKB) to Mean Sea Level	**4893.00ft**
Vertical Reference Pt	**RIG (4866'GL+30'KB = 4896'RKB) (RKB)**	RIG (4866'GL+30'KB = 4896'RKB) (RKB) to Ground Level at Slot (SLOT#02 Guttersen Y12-773 (610'FSL & 2316'FEL,SEC.12))	**4893.00ft**
MD Reference Pt	**RIG (4866'GL+30'KB = 4896'RKB) (RKB)**	Section Origin	**N 0.00, E 0.00 ft**
Field Vertical Reference	**Mean Sea Level**	Section Azimuth	**348.60°**

REFERENCE WELLPATH IDENTIFICATION			
Operator	**NOBLE ENERGY, INC**	Well	**Guttersen Y12-773**
Field	**WELD COUNTY (NOBLE NAD 83 GRID)**	API/Legal	
Facility	**SEC.12-T02N-R64W**	Wellbore	**Guttersen Y12-773 PWB**
Slot	**SLOT#02 Guttersen Y12-773 (610'FSL & 2316'FEL,SEC.12)**		

WELLPATH DATA (195 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00†	0.000	234.851	0.00	0.00	0.00	0.00	40.1473180	-104.4987170	0.00	
30.00	0.000	234.851	30.00	0.00	0.00	0.00	40.1473180	-104.4987170	0.00	SHL
130.00†	0.000	234.851	130.00	0.00	0.00	0.00	40.1473180	-104.4987170	0.00	
230.00†	0.000	234.851	230.00	0.00	0.00	0.00	40.1473180	-104.4987170	0.00	
330.00†	0.000	234.851	330.00	0.00	0.00	0.00	40.1473180	-104.4987170	0.00	
430.00†	0.000	234.851	430.00	0.00	0.00	0.00	40.1473180	-104.4987170	0.00	
530.00†	0.000	234.851	530.00	0.00	0.00	0.00	40.1473180	-104.4987170	0.00	
630.00†	0.000	234.851	630.00	0.00	0.00	0.00	40.1473180	-104.4987170	0.00	
730.00†	0.000	234.851	730.00	0.00	0.00	0.00	40.1473180	-104.4987170	0.00	
830.00†	0.000	234.851	830.00	0.00	0.00	0.00	40.1473180	-104.4987170	0.00	
930.00†	0.000	234.851	930.00	0.00	0.00	0.00	40.1473180	-104.4987170	0.00	
940.33†	0.000	234.851	940.33	0.00	0.00	0.00	40.1473180	-104.4987170	0.00	Upper Pierre Aquifer Top
1030.00†	0.000	234.851	1030.00	0.00	0.00	0.00	40.1473180	-104.4987170	0.00	
1130.00†	0.000	234.851	1130.00	0.00	0.00	0.00	40.1473180	-104.4987170	0.00	
1230.00†	0.000	234.851	1230.00	0.00	0.00	0.00	40.1473180	-104.4987170	0.00	
1330.00†	0.000	234.851	1330.00	0.00	0.00	0.00	40.1473180	-104.4987170	0.00	
1430.00†	0.000	234.851	1430.00	0.00	0.00	0.00	40.1473180	-104.4987170	0.00	
1530.00†	0.000	234.851	1530.00	0.00	0.00	0.00	40.1473180	-104.4987170	0.00	
1630.00†	0.000	234.851	1630.00	0.00	0.00	0.00	40.1473180	-104.4987170	0.00	
1660.82†	0.000	234.851	1660.82	0.00	0.00	0.00	40.1473180	-104.4987170	0.00	Upper Pierre Aquifer Base
1730.00†	0.000	234.851	1730.00	0.00	0.00	0.00	40.1473180	-104.4987170	0.00	
1830.00†	0.000	234.851	1830.00	0.00	0.00	0.00	40.1473180	-104.4987170	0.00	
1930.00†	0.000	234.851	1930.00	0.00	0.00	0.00	40.1473180	-104.4987170	0.00	
2000.00	0.000	234.851	2000.00	0.00	0.00	0.00	40.1473180	-104.4987170	0.00	End of Tangent
2030.00†	0.600	234.851	2030.00	-0.06	-0.09	-0.13	40.1473178	-104.4987175	2.00	
2130.00†	2.600	234.851	2129.96	-1.19	-1.70	-2.41	40.1473134	-104.4987257	2.00	
2230.00†	4.600	234.851	2229.75	-3.72	-5.31	-7.55	40.1473037	-104.4987442	2.00	
2330.00†	6.600	234.851	2329.27	-7.65	-10.93	-15.52	40.1472885	-104.4987730	2.00	
2430.00†	8.600	234.851	2428.39	-12.97	-18.54	-26.34	40.1472679	-104.4988120	2.00	
2530.00†	10.600	234.851	2526.98	-19.69	-28.14	-39.97	40.1472420	-104.4988611	2.00	
2630.00†	12.600	234.851	2624.93	-27.79	-39.72	-56.41	40.1472107	-104.4989204	2.00	
2730.00†	14.600	234.851	2722.13	-37.26	-53.26	-75.64	40.1471742	-104.4989897	2.00	
2830.00†	16.600	234.851	2818.44	-48.09	-68.74	-97.63	40.1471324	-104.4990690	2.00	
2930.00†	18.600	234.851	2913.75	-60.26	-86.14	-122.35	40.1470853	-104.4991581	2.00	
3030.00†	20.600	234.851	3007.95	-73.77	-105.45	-149.78	40.1470332	-104.4992570	2.00	
3130.00†	22.600	234.851	3100.93	-88.60	-126.65	-179.87	40.1469759	-104.4993655	2.00	
3230.00†	24.600	234.851	3192.56	-104.72	-149.69	-212.61	40.1469137	-104.4994835	2.00	
3330.00†	26.600	234.851	3282.74	-122.12	-174.57	-247.94	40.1468465	-104.4996109	2.00	
3424.49	28.490	234.851	3366.51	-139.72	-199.72	-283.66	40.1467786	-104.4997397	2.00	Build (XS)
3430.00†	28.490	234.851	3371.35	-140.77	-201.23	-285.81	40.1467745	-104.4997474	0.00	
3530.00†	28.490	234.851	3459.24	-159.99	-228.70	-324.81	40.1467003	-104.4998880	0.00	
3630.00†	28.490	234.851	3547.13	-179.20	-256.16	-363.82	40.1466262	-104.5000286	0.00	
3730.00†	28.490	234.851	3635.02	-198.41	-283.62	-402.82	40.1465520	-104.5001693	0.00	
3830.00†	28.490	234.851	3722.91	-217.62	-311.08	-441.82	40.1464778	-104.5003099	0.00	
3930.00†	28.490	234.851	3810.80	-236.83	-338.54	-480.83	40.1464037	-104.5004505	0.00	

REFERENCE WELLPATH IDENTIFICATION			
Operator	NOBLE ENERGY, INC	Well	Guttersen Y12-773
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	
Facility	SEC.12-T02N-R64W	Wellbore	Guttersen Y12-773 PWB
Slot	SLOT#02 Guttersen Y12-773 (610'FSL & 2316'FEL,SEC.12)		

WELLPATH DATA (195 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
3943.06†	28.490	234.851	3822.28	-239.34	-342.13	-485.92	40.1463940	-104.5004688	0.00	Parkman
4030.00†	28.490	234.851	3898.69	-256.04	-366.00	-519.83	40.1463295	-104.5005911	0.00	
4130.00†	28.490	234.851	3986.59	-275.25	-393.46	-558.83	40.1462553	-104.5007317	0.00	
4230.00†	28.490	234.851	4074.48	-294.46	-420.92	-597.83	40.1461811	-104.5008723	0.00	
4311.35†	28.490	234.851	4145.97	-310.09	-443.26	-629.56	40.1461208	-104.5009867	0.00	Sussex
4330.00†	28.490	234.851	4162.37	-313.67	-448.38	-636.84	40.1461070	-104.5010129	0.00	
4430.00†	28.490	234.851	4250.26	-332.88	-475.84	-675.84	40.1460328	-104.5011535	0.00	
4530.00†	28.490	234.851	4338.15	-352.09	-503.31	-714.84	40.1459586	-104.5012941	0.00	
4630.00†	28.490	234.851	4426.04	-371.30	-530.77	-753.84	40.1458845	-104.5014347	0.00	
4730.00†	28.490	234.851	4513.93	-390.51	-558.23	-792.85	40.1458103	-104.5015753	0.00	
4830.00†	28.490	234.851	4601.82	-409.72	-585.69	-831.85	40.1457361	-104.5017160	0.00	
4930.00†	28.490	234.851	4689.71	-428.93	-613.15	-870.85	40.1456619	-104.5018566	0.00	
5030.00†	28.490	234.851	4777.60	-448.14	-640.61	-909.85	40.1455878	-104.5019972	0.00	
5130.00†	28.490	234.851	4865.49	-467.35	-668.07	-948.86	40.1455136	-104.5021378	0.00	
5230.00†	28.490	234.851	4953.38	-486.56	-695.53	-987.86	40.1454394	-104.5022784	0.00	
5249.62†	28.490	234.851	4970.62	-490.33	-700.92	-995.51	40.1454249	-104.5023060	0.00	Shannon
5330.00†	28.490	234.851	5041.27	-505.77	-722.99	-1026.86	40.1453653	-104.5024190	0.00	
5430.00†	28.490	234.851	5129.16	-524.98	-750.45	-1065.87	40.1452911	-104.5025596	0.00	
5530.00†	28.490	234.851	5217.05	-544.19	-777.92	-1104.87	40.1452169	-104.5027002	0.00	
5630.00†	28.490	234.851	5304.94	-563.40	-805.38	-1143.87	40.1451427	-104.5028408	0.00	
5730.00†	28.490	234.851	5392.83	-582.62	-832.84	-1182.87	40.1450686	-104.5029814	0.00	
5830.00†	28.490	234.851	5480.72	-601.83	-860.30	-1221.88	40.1449944	-104.5031220	0.00	
5930.00†	28.490	234.851	5568.61	-621.04	-887.76	-1260.88	40.1449202	-104.5032626	0.00	
6030.00†	28.490	234.851	5656.50	-640.25	-915.22	-1299.88	40.1448461	-104.5034032	0.00	
6130.00†	28.490	234.851	5744.39	-659.46	-942.68	-1338.88	40.1447719	-104.5035438	0.00	
6230.00†	28.490	234.851	5832.28	-678.67	-970.14	-1377.89	40.1446977	-104.5036844	0.00	
6330.00†	28.490	234.851	5920.17	-697.88	-997.60	-1416.89	40.1446235	-104.5038250	0.00	
6424.94†	28.490	234.851	6003.61	-716.12	-1023.67	-1453.92	40.1445531	-104.5039585	0.00	Teepee Buttes
6430.00†	28.490	234.851	6008.06	-717.09	-1025.06	-1455.89	40.1445494	-104.5039656	0.00	
6478.73	28.490	234.851	6050.89	-726.45	-1038.45	-1474.90	40.1445132	-104.5040342	0.00	KOP
6530.00†	26.390	243.780	6096.41	-734.29	-1050.53	-1495.13	40.1444807	-104.5041070	9.00	
6630.00†	24.223	264.323	6186.98	-737.94	-1062.40	-1535.56	40.1444493	-104.5042521	9.00	
6730.00†	25.086	285.907	6278.05	-726.14	-1058.61	-1576.45	40.1444610	-104.5043982	9.00	
6830.00†	28.708	304.221	6367.37	-699.20	-1039.25	-1616.78	40.1445154	-104.5045417	9.00	
6930.00†	34.219	317.924	6452.75	-657.76	-1004.80	-1655.56	40.1446111	-104.5046790	9.00	
7030.00†	40.857	327.942	6532.07	-602.86	-956.11	-1691.84	40.1447459	-104.5048068	9.00	
7130.00†	48.150	335.488	6603.39	-535.85	-894.38	-1724.72	40.1449164	-104.5049219	9.00	
7171.63†	51.312	338.123	6630.30	-504.76	-865.18	-1737.21	40.1449969	-104.5049654	9.00	Sharon Springs
7230.00†	55.835	341.447	6664.96	-458.36	-821.12	-1753.39	40.1451183	-104.5050215	9.00	
7235.45†	56.261	341.739	6668.00	-453.88	-816.83	-1754.82	40.1451301	-104.5050265	9.00	Top A Chalk, Top A Marl
7306.92†	61.914	345.320	6704.71	-392.84	-758.05	-1772.14	40.1452920	-104.5050860	9.00	Top B Chalk
7330.00†	63.759	346.394	6715.25	-372.32	-738.14	-1777.16	40.1453468	-104.5051032	9.00	
7411.36†	70.317	349.933	6746.98	-297.47	-664.86	-1792.46	40.1455484	-104.5051550	9.00	Top B Marl
7430.00†	71.830	350.700	6753.03	-279.85	-647.48	-1795.42	40.1455962	-104.5051649	9.00	
7530.00†	79.988	354.622	6777.36	-183.20	-551.38	-1807.74	40.1458604	-104.5052051	9.00	

REFERENCE WELLPATH IDENTIFICATION			
Operator	**NOBLE ENERGY, INC**	Well	**Guttersen Y12-773**
Field	**WELD COUNTY (NOBLE NAD 83 GRID)**	API/Legal	
Facility	**SEC.12-T02N-R64W**	Wellbore	**Guttersen Y12-773 PWB**
Slot	**SLOT#02 Guttersen Y12-773 (610'FSL & 2316'FEL,SEC.12)**		

WELLPATH DATA (195 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
7630.00†	88.191	358.350	6787.65	-84.78	-452.20	-1813.80	40.1461328	-104.5052228	9.00	
7652.03	90.000	359.161	6788.00[1]	-63.10	-430.17	-1814.28	40.1461933	-104.5052236	9.00	LP/TPZ
7730.00†	90.000	359.161	6788.00	13.55	-352.22	-1815.42	40.1464073	-104.5052246	0.00	
7830.00†	90.000	359.161	6788.00	111.85	-252.23	-1816.89	40.1466818	-104.5052258	0.00	
7930.00†	90.000	359.161	6788.00	210.16	-152.24	-1818.35	40.1469563	-104.5052270	0.00	
8030.00†	90.000	359.161	6788.00	308.47	-52.25	-1819.82	40.1472308	-104.5052282	0.00	
8130.00†	90.000	359.161	6788.00	406.77	47.74	-1821.28	40.1475053	-104.5052295	0.00	
8230.00†	90.000	359.161	6788.00	505.08	147.73	-1822.75	40.1477798	-104.5052307	0.00	
8330.00†	90.000	359.161	6788.00	603.39	247.72	-1824.21	40.1480543	-104.5052319	0.00	
8430.00†	90.000	359.161	6788.00	701.69	347.71	-1825.67	40.1483288	-104.5052331	0.00	
8530.00†	90.000	359.161	6788.00	800.00	447.70	-1827.14	40.1486033	-104.5052344	0.00	
8630.00†	90.000	359.161	6788.00	898.30	547.69	-1828.60	40.1488778	-104.5052356	0.00	
8730.00†	90.000	359.161	6788.00	996.61	647.68	-1830.07	40.1491523	-104.5052368	0.00	
8830.00†	90.000	359.161	6788.00	1094.92	747.67	-1831.53	40.1494268	-104.5052380	0.00	
8930.00†	90.000	359.161	6788.00	1193.22	847.66	-1832.99	40.1497013	-104.5052393	0.00	
9030.00†	90.000	359.161	6788.00	1291.53	947.65	-1834.46	40.1499758	-104.5052405	0.00	
9130.00†	90.000	359.161	6788.00	1389.84	1047.63	-1835.92	40.1502503	-104.5052417	0.00	
9230.00†	90.000	359.161	6788.00	1488.14	1147.62	-1837.39	40.1505248	-104.5052429	0.00	
9330.00†	90.000	359.161	6788.00	1586.45	1247.61	-1838.85	40.1507993	-104.5052442	0.00	
9430.00†	90.000	359.161	6788.00	1684.75	1347.60	-1840.32	40.1510738	-104.5052454	0.00	
9530.00†	90.000	359.161	6788.00	1783.06	1447.59	-1841.78	40.1513483	-104.5052466	0.00	
9630.00†	90.000	359.161	6788.00	1881.37	1547.58	-1843.24	40.1516228	-104.5052478	0.00	
9730.00†	90.000	359.161	6788.00	1979.67	1647.57	-1844.71	40.1518973	-104.5052491	0.00	
9830.00†	90.000	359.161	6788.00	2077.98	1747.56	-1846.17	40.1521718	-104.5052503	0.00	
9930.00†	90.000	359.161	6788.00	2176.28	1847.55	-1847.64	40.1524463	-104.5052515	0.00	
10030.00†	90.000	359.161	6788.00	2274.59	1947.54	-1849.10	40.1527208	-104.5052527	0.00	
10130.00†	90.000	359.161	6788.00	2372.90	2047.53	-1850.56	40.1529953	-104.5052540	0.00	
10230.00†	90.000	359.161	6788.00	2471.20	2147.52	-1852.03	40.1532698	-104.5052552	0.00	
10330.00†	90.000	359.161	6788.00	2569.51	2247.51	-1853.49	40.1535443	-104.5052564	0.00	
10430.00†	90.000	359.161	6788.00	2667.82	2347.50	-1854.96	40.1538188	-104.5052576	0.00	
10530.00†	90.000	359.161	6788.00	2766.12	2447.48	-1856.42	40.1540933	-104.5052589	0.00	
10630.00†	90.000	359.161	6788.00	2864.43	2547.47	-1857.89	40.1543678	-104.5052601	0.00	
10730.00†	90.000	359.161	6788.00	2962.73	2647.46	-1859.35	40.1546423	-104.5052613	0.00	
10830.00†	90.000	359.161	6788.00	3061.04	2747.45	-1860.81	40.1549168	-104.5052625	0.00	
10930.00†	90.000	359.161	6788.00	3159.35	2847.44	-1862.28	40.1551913	-104.5052638	0.00	
11030.00†	90.000	359.161	6788.00	3257.65	2947.43	-1863.74	40.1554658	-104.5052650	0.00	
11130.00†	90.000	359.161	6788.00	3355.96	3047.42	-1865.21	40.1557403	-104.5052662	0.00	
11230.00†	90.000	359.161	6788.00	3454.26	3147.41	-1866.67	40.1560148	-104.5052674	0.00	
11330.00†	90.000	359.161	6788.00	3552.57	3247.40	-1868.13	40.1562893	-104.5052687	0.00	
11430.00†	90.000	359.161	6788.00	3650.88	3347.39	-1869.60	40.1565638	-104.5052699	0.00	
11530.00†	90.000	359.161	6788.00	3749.18	3447.38	-1871.06	40.1568383	-104.5052711	0.00	
11630.00†	90.000	359.161	6788.00	3847.49	3547.37	-1872.53	40.1571128	-104.5052723	0.00	
11730.00†	90.000	359.161	6788.00	3945.80	3647.36	-1873.99	40.1573873	-104.5052736	0.00	
11830.00†	90.000	359.161	6788.00	4044.10	3747.35	-1875.46	40.1576618	-104.5052748	0.00	
11930.00†	90.000	359.161	6788.00	4142.41	3847.33	-1876.92	40.1579363	-104.5052760	0.00	

REFERENCE WELLPATH IDENTIFICATION			
Operator	NOBLE ENERGY, INC	Well	Guttersen Y12-773
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	
Facility	SEC.12-T02N-R64W	Wellbore	Guttersen Y12-773 PWB
Slot	SLOT#02 Guttersen Y12-773 (610'FSL & 2316'FEL,SEC.12)		

WELLPATH DATA (195 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
12030.00†	90.000	359.161	6788.00	4240.71	3947.32	-1878.38	40.1582108	-104.5052772	0.00	
12130.00†	90.000	359.161	6788.00	4339.02	4047.31	-1879.85	40.1584853	-104.5052785	0.00	
12230.00†	90.000	359.161	6788.00	4437.33	4147.30	-1881.31	40.1587598	-104.5052797	0.00	
12330.00†	90.000	359.161	6788.00	4535.63	4247.29	-1882.78	40.1590343	-104.5052809	0.00	
12430.00†	90.000	359.161	6788.00	4633.94	4347.28	-1884.24	40.1593088	-104.5052821	0.00	
12530.00†	90.000	359.161	6788.00	4732.25	4447.27	-1885.70	40.1595833	-104.5052834	0.00	
12630.00†	90.000	359.161	6788.00	4830.55	4547.26	-1887.17	40.1598578	-104.5052846	0.00	
12730.00†	90.000	359.161	6788.00	4928.86	4647.25	-1888.63	40.1601323	-104.5052858	0.00	
12830.00†	90.000	359.161	6788.00	5027.16	4747.24	-1890.10	40.1604068	-104.5052871	0.00	
12930.00†	90.000	359.161	6788.00	5125.47	4847.23	-1891.56	40.1606813	-104.5052883	0.00	
13030.00†	90.000	359.161	6788.00	5223.78	4947.22	-1893.03	40.1609558	-104.5052895	0.00	
13130.00†	90.000	359.161	6788.00	5322.08	5047.21	-1894.49	40.1612303	-104.5052907	0.00	
13230.00†	90.000	359.161	6788.00	5420.39	5147.20	-1895.95	40.1615048	-104.5052920	0.00	
13330.00†	90.000	359.161	6788.00	5518.69	5247.18	-1897.42	40.1617793	-104.5052932	0.00	
13430.00†	90.000	359.161	6788.00	5617.00	5347.17	-1898.88	40.1620538	-104.5052944	0.00	
13530.00†	90.000	359.161	6788.00	5715.31	5447.16	-1900.35	40.1623283	-104.5052956	0.00	
13630.00†	90.000	359.161	6788.00	5813.61	5547.15	-1901.81	40.1626028	-104.5052969	0.00	
13730.00†	90.000	359.161	6788.00	5911.92	5647.14	-1903.27	40.1628773	-104.5052981	0.00	
13830.00†	90.000	359.161	6788.00	6010.23	5747.13	-1904.74	40.1631518	-104.5052993	0.00	
13930.00†	90.000	359.161	6788.00	6108.53	5847.12	-1906.20	40.1634263	-104.5053005	0.00	
14030.00†	90.000	359.161	6788.00	6206.84	5947.11	-1907.67	40.1637008	-104.5053018	0.00	
14130.00†	90.000	359.161	6788.00	6305.14	6047.10	-1909.13	40.1639753	-104.5053030	0.00	
14230.00†	90.000	359.161	6788.00	6403.45	6147.09	-1910.60	40.1642498	-104.5053042	0.00	
14330.00†	90.000	359.161	6788.00	6501.76	6247.08	-1912.06	40.1645243	-104.5053054	0.00	
14430.00†	90.000	359.161	6788.00	6600.06	6347.07	-1913.52	40.1647988	-104.5053067	0.00	
14530.00†	90.000	359.161	6788.00	6698.37	6447.06	-1914.99	40.1650733	-104.5053079	0.00	
14630.00†	90.000	359.161	6788.00	6796.68	6547.05	-1916.45	40.1653478	-104.5053091	0.00	
14730.00†	90.000	359.161	6788.00	6894.98	6647.03	-1917.92	40.1656223	-104.5053103	0.00	
14830.00†	90.000	359.161	6788.00	6993.29	6747.02	-1919.38	40.1658968	-104.5053116	0.00	
14930.00†	90.000	359.161	6788.00	7091.59	6847.01	-1920.85	40.1661713	-104.5053128	0.00	
15030.00†	90.000	359.161	6788.00	7189.90	6947.00	-1922.31	40.1664458	-104.5053140	0.00	
15130.00†	90.000	359.161	6788.00	7288.21	7046.99	-1923.77	40.1667203	-104.5053152	0.00	
15230.00†	90.000	359.161	6788.00	7386.51	7146.98	-1925.24	40.1669948	-104.5053165	0.00	
15330.00†	90.000	359.161	6788.00	7484.82	7246.97	-1926.70	40.1672693	-104.5053177	0.00	
15430.00†	90.000	359.161	6788.00	7583.12	7346.96	-1928.17	40.1675438	-104.5053189	0.00	
15530.00†	90.000	359.161	6788.00	7681.43	7446.95	-1929.63	40.1678183	-104.5053201	0.00	
15630.00†	90.000	359.161	6788.00	7779.74	7546.94	-1931.09	40.1680928	-104.5053214	0.00	
15730.00†	90.000	359.161	6788.00	7878.04	7646.93	-1932.56	40.1683673	-104.5053226	0.00	
15830.00†	90.000	359.161	6788.00	7976.35	7746.92	-1934.02	40.1686418	-104.5053238	0.00	
15930.00†	90.000	359.161	6788.00	8074.66	7846.91	-1935.49	40.1689163	-104.5053250	0.00	
16030.00†	90.000	359.161	6788.00	8172.96	7946.90	-1936.95	40.1691908	-104.5053263	0.00	
16130.00†	90.000	359.161	6788.00	8271.27	8046.88	-1938.42	40.1694653	-104.5053275	0.00	
16230.00†	90.000	359.161	6788.00	8369.57	8146.87	-1939.88	40.1697398	-104.5053287	0.00	
16330.00†	90.000	359.161	6788.00	8467.88	8246.86	-1941.34	40.1700143	-104.5053299	0.00	
16430.00†	90.000	359.161	6788.00	8566.19	8346.85	-1942.81	40.1702888	-104.5053312	0.00	

REFERENCE WELLPATH IDENTIFICATION			
Operator	NOBLE ENERGY, INC	Well	Guttersen Y12-773
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	
Facility	SEC.12-T02N-R64W	Wellbore	Guttersen Y12-773 PWB
Slot	SLOT#02 Guttersen Y12-773 (610'FSL & 2316'FEL,SEC.12)		

WELLPATH DATA (195 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
16530.00†	90.000	359.161	6788.00	8664.49	8446.84	-1944.27	40.1705633	-104.5053324	0.00	
16630.00†	90.000	359.161	6788.00	8762.80	8546.83	-1945.74	40.1708378	-104.5053336	0.00	
16730.00†	90.000	359.161	6788.00	8861.11	8646.82	-1947.20	40.1711123	-104.5053348	0.00	
16830.00†	90.000	359.161	6788.00	8959.41	8746.81	-1948.66	40.1713868	-104.5053361	0.00	
16930.00†	90.000	359.161	6788.00	9057.72	8846.80	-1950.13	40.1716613	-104.5053373	0.00	
17030.00†	90.000	359.161	6788.00	9156.02	8946.79	-1951.59	40.1719358	-104.5053385	0.00	
17130.00†	90.000	359.161	6788.00	9254.33	9046.78	-1953.06	40.1722103	-104.5053397	0.00	
17230.00†	90.000	359.161	6788.00	9352.64	9146.77	-1954.52	40.1724848	-104.5053410	0.00	
17330.00†	90.000	359.161	6788.00	9450.94	9246.76	-1955.99	40.1727593	-104.5053422	0.00	
17430.00†	90.000	359.161	6788.00	9549.25	9346.75	-1957.45	40.1730338	-104.5053434	0.00	
17530.00†	90.000	359.161	6788.00	9647.55	9446.73	-1958.91	40.1733083	-104.5053447	0.00	
17630.00†	90.000	359.161	6788.00	9745.86	9546.72	-1960.38	40.1735828	-104.5053459	0.00	
17730.00†	90.000	359.161	6788.00	9844.17	9646.71	-1961.84	40.1738573	-104.5053471	0.00	
17795.99†	90.000	359.161	6788.00	9909.04	9712.70	-1962.81	40.1740384	-104.5053479	0.00	
17819.94	90.000	359.161	6788.00[2]	9932.59	9736.65	-1963.16	40.1741042	-104.5053482	0.00	BHL

HOLE & CASING SECTIONS - Ref Wellbore: Guttersen Y12-773 PWB Ref Wellpath: Guttersen Y12-773 (REV-B.1) PWP

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
9.625in Casing Surface	30.00	1950.00	1920.00	30.00	1950.00	0.00	0.00	0.00	0.00

REFERENCE WELLPATH IDENTIFICATION			
Operator	**NOBLE ENERGY, INC**	Well	**Guttersen Y12-773**
Field	**WELD COUNTY (NOBLE NAD 83 GRID)**	API/Legal	
Facility	**SEC.12-T02N-R64W**	Wellbore	**Guttersen Y12-773 PWB**
Slot	**SLOT#02 Guttersen Y12-773 (610'FSL & 2316'FEL,SEC.12)**		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
DP 455 Sec.01-T2N-R64W	N/A	-3.00	-0.25	-22.36	3279878.76	1298091.40	40.1473180	-104.4987970	polygon
	2D Polygon: dimensions not calculated								
DP 455 Sec.12-T2N-R64W	N/A	-3.00	-0.25	-22.36	3279878.76	1298091.40	40.1473180	-104.4987970	polygon
	2D Polygon: dimensions not calculated								
2) Guttersen Y12-773 BHL (200'FNL & 1128'FWL,SEC.01)	17819.94	6788.00	9736.65	-1963.16	**3277938.05**	**1307827.88**	40.1741042	-104.5053482	point
Guttersen Y12-773 BPZ (200'FNL & 1128'FWL,SEC.01)	N/A	6788.00	9736.65	-1963.16	**3277938.05**	**1307827.88**	40.1741042	-104.5053482	point
1) Guttersen Y12-773 LP (200'FSL & 1134'FWL,SEC.12)	7652.03	6788.00	-430.17	-1814.28	**3278086.92**	**1297661.50**	40.1461933	-104.5052236	point
DP 455 West Hardline(200'FNL/FSL&300'FEL/FWL)	N/A	6849.00	0.65	90.02	3279991.13	1298092.31	40.1473170	-104.4983950	polygon
	2D Polygon: dimensions not calculated								

SURVEY PROGRAM - Ref Wellbore: Guttersen Y12-773 PWB Ref Wellpath: Guttersen Y12-773 (REV-B.1) PWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
30.00	17872.58	OWSG MWD rev2 (MS+IFR1)		Guttersen Y12-773 PWB

Planned Wellpath Report

Guttersen Y12-773 (REV-B.1) PWP

REFERENCE WELLPATH IDENTIFICATION			
Operator	**NOBLE ENERGY, INC**	Well	**Guttersen Y12-773**
Field	**WELD COUNTY (NOBLE NAD 83 GRID)**	API/Legal	
Facility	**SEC.12-T02N-R64W**	Wellbore	**Guttersen Y12-773 PWB**
Slot	**SLOT#02 Guttersen Y12-773 (610'FSL & 2316'FEL,SEC.12)**		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
940.33	0.000	234.851	940.33	Upper Pierre Aquifer Top
1660.82	0.000	234.851	1660.82	Upper Pierre Aquifer Base
3943.06	28.490	234.851	3822.28	Parkman
4311.35	28.490	234.851	4145.97	Sussex
5249.62	28.490	234.851	4970.62	Shannon
6424.94	28.490	234.851	6003.61	Teepee Buttes
7171.63	51.312	338.123	6630.30	Sharon Springs
7235.45	56.261	341.739	6668.00	Top A Chalk, Top A Marl
7306.92	61.914	345.320	6704.71	Top B Chalk
7411.36	70.317	349.933	6746.98	Top B Marl

DESIGN COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
30.00	0.000	234.851	30.00	SHL
2000.00	0.000	234.851	2000.00	End of Tangent
3424.49	28.490	234.851	3366.51	Build (XS)
6478.73	28.490	234.851	6050.89	KOP
7652.03	90.000	359.161	6788.00	LP/TPZ
17819.94	90.000	359.161	6788.00	BHL

Closest Approach Clearance Summary Report

Guttersen Y12-773 (REV-B.1) PWP - SPE WPTS Stop Drilling HSE Risk (2017)

REFERENCE WELLPATH IDENTIFICATION			
Operator	**NOBLE ENERGY, INC**	Well	**Guttersen Y12-773**
Field	**WELD COUNTY (NOBLE NAD 83 GRID)**	API/Legal	
Facility	**SEC.12-T02N-R64W**	Wellbore	**Guttersen Y12-773 PWB**
Slot	**SLOT#02 Guttersen Y12-773 (610'FSL & 2316'FEL,SEC.12)**		

REPORT SETUP INFORMATION			
Projection System	**NAD83 / Lambert Colorado SP, Northern Zone (501), US feet**	Software System	**WellArchitect® 6.0**
North Reference	**Grid**	User	**Guenaler**
Scale	**0.999958**	Report Generated	**2/12/2024** at **10:41:09 AM**
Convergence at slot	**0.65° East**	Database	**WA_Denver**

WELLPATH LOCATION	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	**East[ft]**	**Easting[US ft]**	**Northing[US ft]**	**Latitude**	**Longitude**
Slot Location	0.25	22.36	3279901.12	1298091.66	**40°08'50.3448"N**	**104°29'55.3812"W**
Facility Reference Pt			3279878.76	1298091.40	**40°08'50.3448"N**	**104°29'55.6692"W**
Field Reference Pt			**3000000.00**	**4454105.15**	48°46'34.3150"N	105°30'0.0000"W

WELLPATH DATUM			
Calculation method	**Minimum Curvature**	RIG (4866'GL+30'KB = 4896'RKB) (RKB) to Facility Vertical Datum	**4893.00ft**
Horizontal Reference Pt	**Slot**	RIG (4866'GL+30'KB = 4896'RKB) (RKB) to Mean Sea Level	**4893.00ft**
Vertical Reference Pt	**RIG (4866'GL+30'KB = 4896'RKB) (RKB)**	RIG (4866'GL+30'KB = 4896'RKB) (RKB) to Ground Level at Slot (SLOT#02 Guttersen Y12-773 (610'FSL & 2316'FEL,SEC.12))	**4893.00ft**
MD Reference Pt	**RIG (4866'GL+30'KB = 4896'RKB) (RKB)**		
Field Vertical Reference	**Mean Sea Level**		

POSITIONAL UNCERTAINTY CALCULATION SETTINGS					
Ellipse Confidence Limit	**3.50 Std Dev**	Ellipse Start MD	**30.00ft**	Surface Position Uncertainty	**included**
Declination	**7.63° East of TN**	Dip Angle	**66.38°**	Mag Field Strength	**51693 nT**
Slot Surface Uncertainty @1SD		Horizontal	**0.100ft**	Vertical	**1.000ft**
Facility Surface Uncertainty @1SD		Horizontal	**8.200ft**	Vertical	**3.000ft**
Positional Uncertainty values in the WELLPATH DATA table are the projection of the ellipsoid of uncertainty onto the vertical and horizontal planes					

Closest Approach Clearance Summary Report

Guttersen Y12-773 (REV-B.1) PWP - SPE WPTS Stop Drilling HSE Risk (2017)

REFERENCE WELLPATH IDENTIFICATION			
Operator	**NOBLE ENERGY, INC**	Well	**Guttersen Y12-773**
Field	**WELD COUNTY (NOBLE NAD 83 GRID)**	API/Legal	
Facility	**SEC.12-T02N-R64W**	Wellbore	**Guttersen Y12-773 PWB**
Slot	**SLOT#02 Guttersen Y12-773 (610'FSL & 2316'FEL,SEC.12)**		

PROXIMITY-SCAN RULE			
Rule Name	**SPE WPTS Stop Drilling HSE Risk (2017)**	Rule Based On	**Ratio**
Plane of Rule	**Closest Approach**	Threshold Value	**1.00**
Include Casing & Hole Size	**yes**	Apply Cone of Safety	**no**

HOLE & CASING SECTIONS - Ref Wellbore: Guttersen Y12-773 PWB Ref Wellpath: Guttersen Y12-773 (REV-B.1) PWP

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
9.625in Casing Surface	30.00	1950.00	1920.00	30.00	1950.00	0.00	0.00	0.00	0.00

SURVEY PROGRAM - Ref Wellbore: Guttersen Y12-773 PWB Ref Wellpath: Guttersen Y12-773 (REV-B.1) PWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
30.00	17872.58	OWSG MWD rev2 (MS+IFR1)		Guttersen Y12-773 PWB

Closest Approach Clearance Summary Report

Guttersen Y12-773 (REV-B.1) PWP - SPE WPTS Stop Drilling HSE Risk (2017)

REFERENCE WELLPATH IDENTIFICATION			
Operator	**NOBLE ENERGY, INC**	Well	**Guttersen Y12-773**
Field	**WELD COUNTY (NOBLE NAD 83 GRID)**	API/Legal	
Facility	**SEC.12-T02N-R64W**	Wellbore	**Guttersen Y12-773 PWB**
Slot	**SLOT#02 Guttersen Y12-773 (610'FSL & 2316'FEL,SEC.12)**		

CALCULATION RANGE & CUTOFF		
From: **30.00ft MD**	To: **17819.94ft MD**	C-C Cutoff: **(none)**

OFFSET WELL CLEARANCE SUMMARY (20 Offset Wellpaths selected) Ratios are calculated in Closest Approach plane

Offset Facility	Offset Slot	Offset Well	Offset Wellbore	Offset Wellpath	Wellbore Status	C-C Clearance Distance			Rule Separation Ratio			
						Ref MD [ft]	Min C-C Clear Dist [ft]	Diverging from MD [ft]	Ref MD of Min Ratio [ft]	Min Ratio	Min Ratio Dvrg from [ft]	Rule Status
SEC.12-T02N-R64W	SLOT#01 Guttersen Y12-782 (610'FSL & 2338'FEL,SEC.12)	Guttersen Y12-782	Guttersen Y12-782 PWB	Guttersen Y12-782 (REV-B.1) PWP	Planned	30.00	22.36	17819.94	2202.32	0.98	17819.94	FAIL
SEC.12-T02N-R64W	SLOT#03 Guttersen Y12-763 (610'FSL & 2293'FEL,SEC.12)	Guttersen Y12-763	Guttersen Y12-763 PWB	Guttersen Y12-763 (REV-B.1) PWP	Planned	2005.48	22.64	17819.94	2105.91	1.01	17819.94	WARN
SEC.24-T02N-R64W	SLOT#04 BOYD 24-4H (1441'FSL&2275'FWL,SEC.24)	BOYD 24-4H (05-123-46596)	BOYD 24-4H AWB	BOYD 24-4H AWP	Drilling	7125.88	319.74	7125.88	7034.79	2.02	7034.79	PASS
SEC.12-T02N-R64W	SLOT#04 Guttersen Y12-754 (610'FSL & 2271'FEL,SEC.12)	Guttersen Y12-754	Guttersen Y12-754 PWB	Guttersen Y12-754 (REV-B.1) PWP	Planned	2001.06	45.01	17819.94	2073.47	2.23	17819.94	PASS
SEC.24-T02N-R64W	SLOT#03 BOYD 24-1H(1441'FSL&2255'FWL,SEC.24)	BOYD 24-1H (05-123-46594)	BOYD 24-1H AWB	BOYD 24-1H AWP	Drilling	7201.00	744.58	7201.00	7171.48	2.26	7171.48	PASS
SEC.12-T02N-R64W	SLOT#05 Guttersen Y12-744 (610'FSL & 2248'FEL,SEC.12)	Guttersen Y12-744	Guttersen Y12-744 PWB	Guttersen Y12-744 (REV-B.1) PWP	Planned	30.00	67.65	17819.94	2055.25	3.59	17819.94	PASS
SEC.25-T03N-R64W	SLOT#31 GUTTERSEN STATE D36-781 (1242'FNL & 2009'FWL,SEC.25)	GUTTERSEN STATE D36-781 (05-123-48626)	GUTTERSEN STATE D36-781 AWB	GUTTERSEN STATE D36-781 AWP	Drilling	17819.94	646.55	17819.94	17819.94	3.66	17819.94	PASS
SEC.25-T03N-R64W	SLOT#30 GUTTERSEN STATE D36-771 (1268'FNL & 2035'FWL,SEC.25)	GUTTERSEN STATE D36-771 (05-123-48629)	GUTTERSEN STATE D36-771 AWB	GUTTERSEN STATE D36-771 AWP	Drilling	17819.94	419.69	17819.94	17819.94	4.16	17819.94	PASS
SEC.25-T03N-R64W	SLOT#29 GUTTERSEN STATE D36-762 (1295'FNL & 2062'FWL,SEC.25)	GUTTERSEN STATE D36-762 (05-123-48632)	GUTTERSEN STATE D36-762 AWB	GUTTERSEN STATE D36-762 AWP	Drilling	17819.94	880.89	17819.94	17819.94	4.54	17819.94	PASS
SEC.12-T02N-R64W	SLOT#06 Guttersen Y12-734 (610'FSL & 2226'FEL,SEC.12)	Guttersen Y12-734	Guttersen Y12-734 PWB	Guttersen Y12-734 (REV-B.1) PWP	Planned	30.00	90.02	17819.94	2048.68	4.81	17819.94	PASS
SEC.23-T03N-R64W	SLOT#34 GUTTERSEN STATE D35-790 (911'FSL & 1398'FEL, SEC.23)	GUTTERSEN STATE D35-790 (05-123-48843)	GUTTERSEN STATE D35-790 AWB	GUTTERSEN STATE D35-790 AWP	Drilling	17819.94	1187.81	17819.94	17819.94	5.57	17819.94	PASS
SEC.02-T02N-R64W	Waste Management 2Y-201 230'FSL & 986' FEL,Sec.02)	Waste Management 2Y-201 (05-123-36986)	Waste Management 2Y-201	Waste Management 2Y-201 AWP	Drilling	13268.45	1222.38	16830.00	17554.91	5.87	17554.91	PASS
SEC.12-T02N-R64W	SLOT#07 Guttersen Y12-725 (610'FSL & 2203'FEL,SEC.12)	Guttersen Y12-725	Guttersen Y12-725 PWB	Guttersen Y12-725 (REV-B.1) PWP	Planned	30.00	112.66	17819.94	2051.12	6.04	17819.94	PASS
SEC.25-T03N-R64W	SLOT#28 GUTTERSEN STATE D36-752 (1322'FNL & 2088'FWL,SEC.25)	GUTTERSEN STATE D36-752 (05-123-48625)	GUTTERSEN STATE D36-752 AWB	GUTTERSEN STATE D36-752 AWP	Drilling	17819.94	1399.66	17819.94	17819.94	6.80	17819.94	PASS
SEC.12-T02N-R64W	SLOT#08 Guttersen Y12-715 (610'FSL & 2181'FEL,SEC.12)	Guttersen Y12-715	Guttersen Y12-715 PWB	Guttersen Y12-715 (REV-B.1) PWP	Planned	30.00	135.03	17819.94	2056.96	7.25	17819.94	PASS
SEC.25-T03N-R64W	SLOT#27 GUTTERSEN STATE D36-743 (1729'FNL & 1206'FEL,SEC.25)	GUTTERSEN STATE D36-743 (05-123-48638)	GUTTERSEN STATE D36-743 AWB	GUTTERSEN STATE D36-743 AWP	Drilling	17819.94	2031.41	17819.94	17819.94	10.01	17819.94	PASS
SEC.11-T02N-R64W	SLOT#01 WASTE MANAGEMENT Y23-712(787'FNL&756'FEL,SEC.11)	WASTE MANAGEMENT Y23-712 (05-123-44840)	WASTE MANAGEMENT Y23-712 AWB	WASTE MANAGEMENT Y23-712 AWP	Drilling	12304.82	1202.28	12304.82	12701.05	11.80	12701.05	PASS
SEC.25-T03N-R64W	SLOT#26 GUTTERSEN STATE D36-733 (1729'FNL & 1169'FEL,SEC.25)	GUTTERSEN STATE D36-733 (05-123-48639)	GUTTERSEN STATE D36-733 AWB	GUTTERSEN STATE D36-733 AWP	Drilling	17819.94	2660.20	17819.94	17819.94	12.97	17819.94	PASS
SEC.25-T03N-R64W	SLOT#25 GUTTERSEN STATE D36-724 (1730'FNL & 1131'FEL,SEC.25)	GUTTERSEN STATE D36-724 (05-123-48633)	GUTTERSEN STATE D36-724 AWB	GUTTERSEN STATE D36-724 AWP	Drilling	17819.94	3255.57	17819.94	17819.94	15.79	17819.94	PASS
SEC.25-T03N-R64W	SLOT#24 GUTTERSEN STATE D36-714 (1730'FNL & 1094'FEL,SEC.25)	GUTTERSEN STATE D36-714 (05-123-48842)	GUTTERSEN STATE D36-714 AWB	GUTTERSEN STATE D36-714 AWP	Drilling	17819.94	3877.62	17819.94	17819.94	18.79	17819.94	PASS