

# NOBLE ENERGY, INC



Location: COLORADO Slot: SLOT#03 Guttersen Y12-763 (610'FSL & 2293'FEL,SEC.12)  
 Field: WELD COUNTY (NOBLE NAD 83 GRID) Well: Guttersen Y12-763  
 Facility: SEC.12-T02N-R64W Wellbore: Guttersen Y12-763 PWB

Plot reference wellpath is Guttersen Y12-763 (REV-B.1) PWP  
 Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501) US feet  
 True vertical depths are referenced to Rig on SLO763 Guttersen Y12-06 (610'FSL & RIG (4866'GL+30'KB@4896'RKB) (RKB)  
 Reference wellpath measured depths are referenced to Rig on SLO763 Guttersen Y12-06 (610'FSL & RIG (4866'GL+30'KB@4896'RKB) (RKB)  
 Rig on SLO763 Guttersen Y12-06 (610'FSL & RIG (4866'GL+30'KB@4896'RKB) to Mean Sea Level: 4894 feet  
 Mean Sea Level to Ground level (At Slot: SLO763 Guttersen Y12-763 (610'FSL & 2293'FEL,SEC.12)): 0 feet  
 Offsets 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
SLO763 Guttersen Y12-763 (610'FSL & 2293'FEL,SEC.12)	0.51	45.01	3279923.762	1298091.913	40°08'50.3448"N	104°29'55.6692"W
Rig on SLO763 Guttersen Y12-06 (610'FSL & RIG (4866'GL+30'KB@4896'RKB) (RKB) to Ground level (At Slot: SLO763 Guttersen Y12-763 (610'FSL & 2293'FEL,SEC.12))					4894ft	
Mean Sea Level to Ground level (At Slot: SLO763 Guttersen Y12-763 (610'FSL & 2293'FEL,SEC.12))					0ft	
Rig on SLO763 Guttersen Y12-06 (610'FSL & RIG (4866'GL+30'KB@4896'RKB) (RKB) to Mean Sea Level					4894ft	

### Well Profile Data

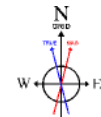
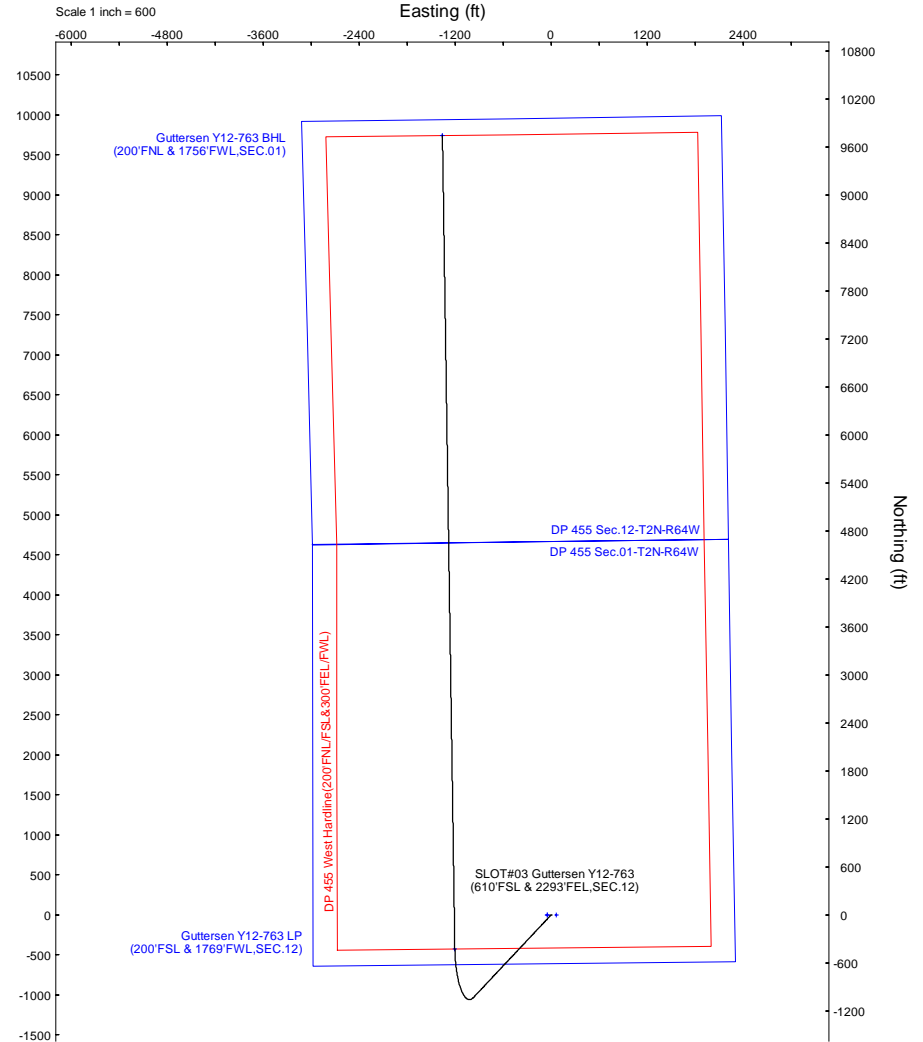
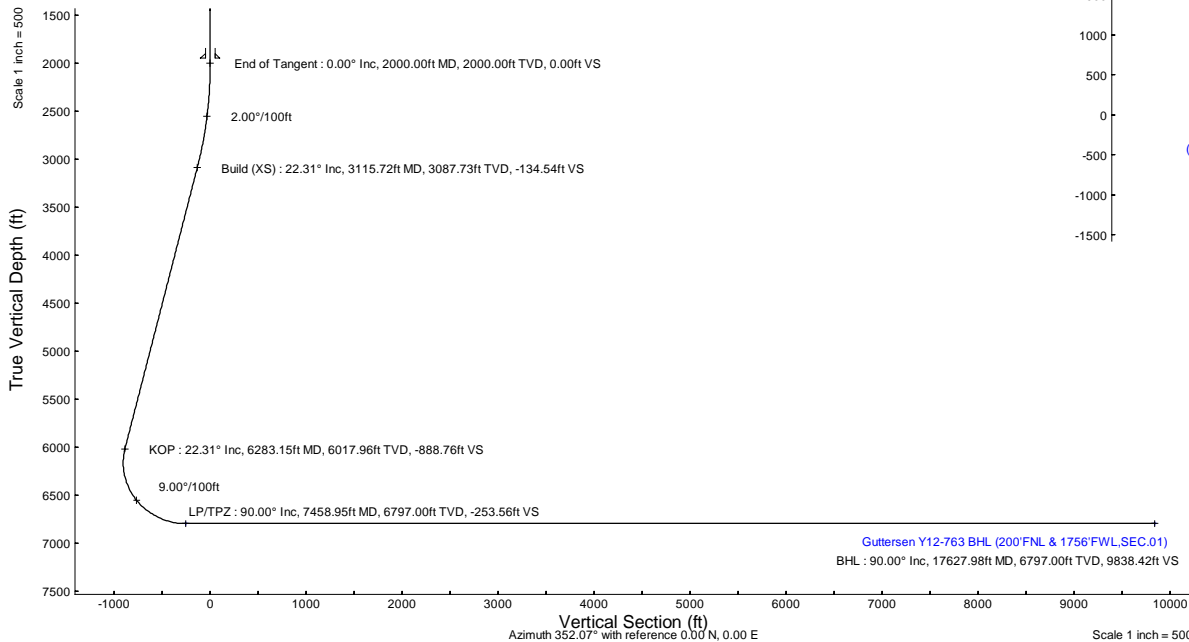
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	30.00	0.000	223.231	30.00	0.00	0.00	0.00	0.00
End of Tangent	2000.00	0.000	223.231	2000.00	0.00	0.00	0.00	0.00
Build (XS)	3115.72	22.314	223.231	3087.73	-156.31	-146.94	2.00	-134.54
KOP	6283.15	22.314	223.231	6017.96	-1032.55	-970.68	0.00	-888.76
LP/TPZ	7458.95	90.000	359.128	6797.00	-423.51	-1202.50	9.00	-253.56
BHL	17627.98	90.000	359.128	6797.00	9744.34	-1357.32	0.00	9838.42

### 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	-2.00	-0.51	-45.01	3279878.76	1298091.40	40°08'50.3448"N	104°29'55.6692"W
DP 455 Sec.12-T2N-R64W	N/A	-2.00	-0.51	-45.01	3279878.76	1298091.40	40°08'50.3448"N	104°29'55.6692"W
Guttersen Y12-763 BHL (200'FNL & 1756'FWL,SEC.01)	17627.98	6797.00	9744.34	-1357.32	3278566.50	1307835.83	40°10'26.7839"N	104°30'11.1566"W
Guttersen Y12-763 LP (200'FSL & 1769'FWL,SEC.12)	7458.95	6797.00	-423.51	-1202.50	3278721.32	1297668.42	40°08'46.2938"N	104°30'10.6349"W
DP 455 West Hardline(200'FNL/FSL&300'FEL/FWL)	N/A	6850.00	0.40	67.37	3279991.13	1298092.31	40°08'50.3412"N	104°29'54.2220"W

### Survey Program

Start MD (ft)	End MD (ft)	Tool	Model	Log Name/Comment	Wellbore
30.00	1950.00	OWSG MWD rev2	OWSG MWD rev2 (MS+IFR1)		Guttersen Y12-763 PWB
1950.00	17627.98	OWSG MWD rev2	OWSG MWD rev2 (MS+IFR1)		Guttersen Y12-763 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



# Planned Wellpath Report

Guttersen Y12-763 (REV-B.1) PWP

Page 1 of 8



## REFERENCE WELLPATH IDENTIFICATION

Operator	NOBLE ENERGY, INC	Well	Guttersen Y12-763
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	
Facility	SEC.12-T02N-R64W	Wellbore	Guttersen Y12-763 PWB
Slot	SLOT#03 Guttersen Y12-763 (610'FSL & 2293'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 10:54:53 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	0.51	45.01	3279923.76	1298091.91	40.1473180°	-104.4986360°
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 on SLOT#03 Guttersen Y12-06 (610'FSL & RIG (4866'GL+30'KB@4896'RKB) (RKB) to Facility Vertical Datum	4894.00ft
Horizontal Reference Pt	Slot	Rig on SLOT#03 Guttersen Y12-06 (610'FSL & RIG (4866'GL+30'KB@4896'RKB) (RKB) to Mean Sea Level	4894.00ft
Vertical Reference Pt	Rig on SLOT#03 Guttersen Y12-06 (610'FSL & RIG (4866'GL+30'KB@4896'RKB) (RKB)	Rig on SLOT#03 Guttersen Y12-06 (610'FSL & RIG (4866'GL+30'KB@4896'RKB) (RKB) to Ground Level at Slot (SLOT#03 Guttersen Y12-763 (610'FSL & 2293'FEL,SEC.12))	4894.00ft
MD Reference Pt	Rig on SLOT#03 Guttersen Y12-06 (610'FSL & 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	352.07°



# Planned Wellpath Report

Guttersen Y12-763 (REV-B.1) PWP  
Page 2 of 8



REFERENCE WELLPATH IDENTIFICATION			
Operator	NOBLE ENERGY, INC	Well	Guttersen Y12-763
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	
Facility	SEC.12-T02N-R64W	Wellbore	Guttersen Y12-763 PWB
Slot	SLOT#03 Guttersen Y12-763 (610'FSL & 2293'FEL, SEC.12)		

WELLPATH DATA (192 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	223.231	0.00	0.00	0.00	0.00	40.1473180	-104.4986360	0.00	
30.00	0.000	223.231	30.00	0.00	0.00	0.00	40.1473180	-104.4986360	0.00	Tie On
130.00†	0.000	223.231	130.00	0.00	0.00	0.00	40.1473180	-104.4986360	0.00	
230.00†	0.000	223.231	230.00	0.00	0.00	0.00	40.1473180	-104.4986360	0.00	
330.00†	0.000	223.231	330.00	0.00	0.00	0.00	40.1473180	-104.4986360	0.00	
430.00†	0.000	223.231	430.00	0.00	0.00	0.00	40.1473180	-104.4986360	0.00	
530.00†	0.000	223.231	530.00	0.00	0.00	0.00	40.1473180	-104.4986360	0.00	
630.00†	0.000	223.231	630.00	0.00	0.00	0.00	40.1473180	-104.4986360	0.00	
730.00†	0.000	223.231	730.00	0.00	0.00	0.00	40.1473180	-104.4986360	0.00	
830.00†	0.000	223.231	830.00	0.00	0.00	0.00	40.1473180	-104.4986360	0.00	
930.00†	0.000	223.231	930.00	0.00	0.00	0.00	40.1473180	-104.4986360	0.00	
932.33†	0.000	223.231	932.33	0.00	0.00	0.00	40.1473180	-104.4986360	0.00	Upper Pierre Aquifer Top
1030.00†	0.000	223.231	1030.00	0.00	0.00	0.00	40.1473180	-104.4986360	0.00	
1130.00†	0.000	223.231	1130.00	0.00	0.00	0.00	40.1473180	-104.4986360	0.00	
1230.00†	0.000	223.231	1230.00	0.00	0.00	0.00	40.1473180	-104.4986360	0.00	
1330.00†	0.000	223.231	1330.00	0.00	0.00	0.00	40.1473180	-104.4986360	0.00	
1430.00†	0.000	223.231	1430.00	0.00	0.00	0.00	40.1473180	-104.4986360	0.00	
1530.00†	0.000	223.231	1530.00	0.00	0.00	0.00	40.1473180	-104.4986360	0.00	
1630.00†	0.000	223.231	1630.00	0.00	0.00	0.00	40.1473180	-104.4986360	0.00	
1652.82†	0.000	223.231	1652.82	0.00	0.00	0.00	40.1473180	-104.4986360	0.00	Upper Pierre Aquifer Base
1730.00†	0.000	223.231	1730.00	0.00	0.00	0.00	40.1473180	-104.4986360	0.00	
1830.00†	0.000	223.231	1830.00	0.00	0.00	0.00	40.1473180	-104.4986360	0.00	
1930.00†	0.000	223.231	1930.00	0.00	0.00	0.00	40.1473180	-104.4986360	0.00	
2000.00	0.000	223.231	2000.00	0.00	0.00	0.00	40.1473180	-104.4986360	0.00	End of Tangent
2030.00†	0.600	223.231	2030.00	-0.10	-0.11	-0.11	40.1473177	-104.4986364	2.00	
2130.00†	2.600	223.231	2129.96	-1.85	-2.15	-2.02	40.1473122	-104.4986433	2.00	
2230.00†	4.600	223.231	2229.75	-5.79	-6.72	-6.32	40.1472997	-104.4986589	2.00	
2330.00†	6.600	223.231	2329.27	-11.91	-13.83	-13.00	40.1472804	-104.4986831	2.00	
2430.00†	8.600	223.231	2428.39	-20.20	-23.47	-22.06	40.1472543	-104.4987159	2.00	
2530.00†	10.600	223.231	2526.98	-30.66	-35.62	-33.48	40.1472213	-104.4987572	2.00	
2630.00†	12.600	223.231	2624.93	-43.27	-50.27	-47.26	40.1471815	-104.4988071	2.00	
2730.00†	14.600	223.231	2722.13	-58.01	-67.40	-63.36	40.1471350	-104.4988654	2.00	
2830.00†	16.600	223.231	2818.44	-74.88	-86.99	-81.78	40.1470818	-104.4989320	2.00	
2930.00†	18.600	223.231	2913.75	-93.84	-109.02	-102.49	40.1470219	-104.4990070	2.00	
3030.00†	20.600	223.231	3007.95	-114.88	-133.46	-125.46	40.1469556	-104.4990902	2.00	
3115.72	22.314	223.231	3087.73	-134.54	-156.31	-146.94	40.1468935	-104.4991679	2.00	Build (XS)
3130.00†	22.314	223.231	3100.94	-137.94	-160.26	-150.65	40.1468828	-104.4991813	0.00	
3230.00†	22.314	223.231	3193.45	-161.75	-187.92	-176.66	40.1468077	-104.4992755	0.00	
3330.00†	22.314	223.231	3285.96	-185.56	-215.59	-202.67	40.1467325	-104.4993696	0.00	
3430.00†	22.314	223.231	3378.47	-209.38	-243.25	-228.67	40.1466574	-104.4994637	0.00	
3530.00†	22.314	223.231	3470.98	-233.19	-270.91	-254.68	40.1465823	-104.4995579	0.00	
3630.00†	22.314	223.231	3563.50	-257.00	-298.58	-280.69	40.1465071	-104.4996520	0.00	
3730.00†	22.314	223.231	3656.01	-280.81	-326.24	-306.69	40.1464320	-104.4997461	0.00	
3830.00†	22.314	223.231	3748.52	-304.62	-353.91	-332.70	40.1463569	-104.4998403	0.00	
3901.08†	22.314	223.231	3814.28	-321.55	-373.57	-351.19	40.1463035	-104.4999072	0.00	Parkman



# Planned Wellpath Report

Guttersen Y12-763 (REV-B.1) PWP  
Page 3 of 8



REFERENCE WELLPATH IDENTIFICATION			
Operator	NOBLE ENERGY, INC	Well	Guttersen Y12-763
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	
Facility	SEC.12-T02N-R64W	Wellbore	Guttersen Y12-763 PWB
Slot	SLOT#03 Guttersen Y12-763 (610'FSL & 2293'FEL, SEC.12)		

WELLPATH DATA (192 stations) † = interpolated, ‡ = extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
3930.00†	22.314	223.231	3841.03	-328.43	-381.57	-358.71	40.1462818	-104.4999344	0.00	
4030.00†	22.314	223.231	3933.54	-352.25	-409.24	-384.71	40.1462066	-104.5000286	0.00	
4130.00†	22.314	223.231	4026.05	-376.06	-436.90	-410.72	40.1461315	-104.5001227	0.00	
4230.00†	22.314	223.231	4118.56	-399.87	-464.56	-436.73	40.1460564	-104.5002168	0.00	
4250.98†	22.314	223.231	4137.97	-404.86	-470.37	-442.18	40.1460406	-104.5002366	0.00	Sussex
4330.00†	22.314	223.231	4211.08	-423.68	-492.23	-462.73	40.1459812	-104.5003110	0.00	
4430.00†	22.314	223.231	4303.59	-447.49	-519.89	-488.74	40.1459061	-104.5004051	0.00	
4530.00†	22.314	223.231	4396.10	-471.31	-547.56	-514.74	40.1458310	-104.5004992	0.00	
4630.00†	22.314	223.231	4488.61	-495.12	-575.22	-540.75	40.1457559	-104.5005934	0.00	
4730.00†	22.314	223.231	4581.12	-518.93	-602.88	-566.76	40.1456807	-104.5006875	0.00	
4830.00†	22.314	223.231	4673.63	-542.74	-630.55	-592.76	40.1456056	-104.5007816	0.00	
4930.00†	22.314	223.231	4766.14	-566.55	-658.21	-618.77	40.1455305	-104.5008758	0.00	
5030.00†	22.314	223.231	4858.66	-590.36	-685.88	-644.78	40.1454553	-104.5009699	0.00	
5130.00†	22.314	223.231	4951.17	-614.18	-713.54	-670.78	40.1453802	-104.5010640	0.00	
5142.38†	22.314	223.231	4962.62	-617.12	-716.97	-674.00	40.1453709	-104.5010757	0.00	Shannon
5230.00†	22.314	223.231	5043.68	-637.99	-741.20	-696.79	40.1453051	-104.5011581	0.00	
5330.00†	22.314	223.231	5136.19	-661.80	-768.87	-722.80	40.1452299	-104.5012523	0.00	
5430.00†	22.314	223.231	5228.70	-685.61	-796.53	-748.80	40.1451548	-104.5013464	0.00	
5530.00†	22.314	223.231	5321.21	-709.42	-824.20	-774.81	40.1450797	-104.5014405	0.00	
5630.00†	22.314	223.231	5413.72	-733.23	-851.86	-800.81	40.1450046	-104.5015347	0.00	
5730.00†	22.314	223.231	5506.24	-757.05	-879.53	-826.82	40.1449294	-104.5016288	0.00	
5830.00†	22.314	223.231	5598.75	-780.86	-907.19	-852.83	40.1448543	-104.5017229	0.00	
5930.00†	22.314	223.231	5691.26	-804.67	-934.85	-878.83	40.1447792	-104.5018171	0.00	
6030.00†	22.314	223.231	5783.77	-828.48	-962.52	-904.84	40.1447040	-104.5019112	0.00	
6130.00†	22.314	223.231	5876.28	-852.29	-990.18	-930.85	40.1446289	-104.5020053	0.00	
6230.00†	22.314	223.231	5968.79	-876.10	-1017.85	-956.85	40.1445538	-104.5020995	0.00	
6258.99†	22.314	223.231	5995.61	-883.01	-1025.87	-964.39	40.1445320	-104.5021267	0.00	Teepee Buttes
6283.15	22.314	223.231	6017.96	-888.76	-1032.55	-970.68	40.1445138	-104.5021495	0.00	KOP
6330.00†	19.629	232.340	6061.72	-898.24	-1043.84	-983.00	40.1444832	-104.5021940	9.00	
6430.00†	16.147	259.720	6157.03	-907.16	-1056.61	-1010.04	40.1444490	-104.5022912	9.00	
6530.00†	17.145	291.325	6253.04	-900.52	-1053.73	-1037.51	40.1444578	-104.5023894	9.00	
6630.00†	22.021	314.200	6347.36	-878.47	-1035.26	-1064.73	40.1445093	-104.5024860	9.00	
6730.00†	28.872	327.928	6437.69	-841.56	-1001.66	-1091.05	40.1446023	-104.5025788	9.00	
6830.00†	36.602	336.510	6521.78	-790.71	-953.76	-1115.80	40.1447346	-104.5026654	9.00	
6930.00†	44.755	342.384	6597.58	-727.15	-892.74	-1138.38	40.1449028	-104.5027437	9.00	
6965.74†	47.730	344.079	6622.30	-701.65	-868.03	-1145.82	40.1449708	-104.5027693	9.00	Sharon Springs
7024.66†	52.681	346.551	6660.00	-656.71	-824.25	-1157.26	40.1450914	-104.5028085	9.00	Top A Chalk, Top A Marl
7030.00†	53.133	346.759	6663.22	-652.47	-820.10	-1158.24	40.1451028	-104.5028118	9.00	
7089.36†	58.171	348.915	6696.71	-603.61	-772.20	-1168.54	40.1452346	-104.5028467	9.00	Top B Chalk
7130.00†	61.639	350.258	6717.08	-568.49	-737.63	-1174.88	40.1453297	-104.5028680	9.00	
7179.53†	65.883	351.781	6738.98	-524.08	-693.76	-1181.81	40.1454503	-104.5028910	9.00	Top B Marl
7230.00†	70.221	353.232	6757.84	-477.28	-647.36	-1187.90	40.1455778	-104.5029109	9.00	
7330.00†	78.847	355.899	6784.49	-381.10	-551.51	-1196.97	40.1458412	-104.5029395	9.00	
7430.00†	87.495	358.412	6796.37	-282.30	-452.44	-1201.87	40.1461133	-104.5029531	9.00	
7458.95	90.000	359.128	6797.00 <sup>1</sup>	-253.56	-423.51	-1202.50	40.1461927	-104.5029541	9.00	LP/TPZ



# Planned Wellpath Report

Guttersen Y12-763 (REV-B.1) PWP

Page 4 of 8



## REFERENCE WELLPATH IDENTIFICATION

Operator	NOBLE ENERGY, INC	Well	Guttersen Y12-763
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	
Facility	SEC.12-T02N-R64W	Wellbore	Guttersen Y12-763 PWB
Slot	SLOT#03 Guttersen Y12-763 (610'FSL & 2293'FEL,SEC.12)		

## WELLPATH DATA (192 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
7530.00†	90.000	359.128	6797.00	-183.05	-352.47	-1203.58	40.1463878	-104.5029552	0.00	
7630.00†	90.000	359.128	6797.00	-83.81	-252.48	-1205.10	40.1466623	-104.5029566	0.00	
7730.00†	90.000	359.128	6797.00	15.44	-152.49	-1206.62	40.1469368	-104.5029580	0.00	
7830.00†	90.000	359.128	6797.00	114.68	-52.50	-1208.15	40.1472113	-104.5029594	0.00	
7930.00†	90.000	359.128	6797.00	213.92	47.49	-1209.67	40.1474858	-104.5029608	0.00	
8030.00†	90.000	359.128	6797.00	313.16	147.48	-1211.19	40.1477603	-104.5029623	0.00	
8130.00†	90.000	359.128	6797.00	412.41	247.46	-1212.71	40.1480348	-104.5029637	0.00	
8230.00†	90.000	359.128	6797.00	511.65	347.45	-1214.24	40.1483093	-104.5029651	0.00	
8330.00†	90.000	359.128	6797.00	610.89	447.44	-1215.76	40.1485838	-104.5029665	0.00	
8430.00†	90.000	359.128	6797.00	710.13	547.43	-1217.28	40.1488583	-104.5029680	0.00	
8530.00†	90.000	359.128	6797.00	809.37	647.42	-1218.80	40.1491328	-104.5029694	0.00	
8630.00†	90.000	359.128	6797.00	908.62	747.41	-1220.33	40.1494073	-104.5029708	0.00	
8730.00†	90.000	359.128	6797.00	1007.86	847.39	-1221.85	40.1496818	-104.5029722	0.00	
8830.00†	90.000	359.128	6797.00	1107.10	947.38	-1223.37	40.1499563	-104.5029737	0.00	
8930.00†	90.000	359.128	6797.00	1206.34	1047.37	-1224.89	40.1502308	-104.5029751	0.00	
9030.00†	90.000	359.128	6797.00	1305.59	1147.36	-1226.42	40.1505053	-104.5029765	0.00	
9130.00†	90.000	359.128	6797.00	1404.83	1247.35	-1227.94	40.1507798	-104.5029779	0.00	
9230.00†	90.000	359.128	6797.00	1504.07	1347.34	-1229.46	40.1510543	-104.5029794	0.00	
9330.00†	90.000	359.128	6797.00	1603.31	1447.32	-1230.98	40.1513288	-104.5029808	0.00	
9430.00†	90.000	359.128	6797.00	1702.56	1547.31	-1232.51	40.1516033	-104.5029822	0.00	
9530.00†	90.000	359.128	6797.00	1801.80	1647.30	-1234.03	40.1518778	-104.5029836	0.00	
9630.00†	90.000	359.128	6797.00	1901.04	1747.29	-1235.55	40.1521523	-104.5029851	0.00	
9730.00†	90.000	359.128	6797.00	2000.28	1847.28	-1237.07	40.1524268	-104.5029865	0.00	
9830.00†	90.000	359.128	6797.00	2099.52	1947.27	-1238.60	40.1527013	-104.5029879	0.00	
9930.00†	90.000	359.128	6797.00	2198.77	2047.26	-1240.12	40.1529758	-104.5029893	0.00	
10030.00†	90.000	359.128	6797.00	2298.01	2147.24	-1241.64	40.1532503	-104.5029908	0.00	
10130.00†	90.000	359.128	6797.00	2397.25	2247.23	-1243.16	40.1535248	-104.5029922	0.00	
10230.00†	90.000	359.128	6797.00	2496.49	2347.22	-1244.69	40.1537993	-104.5029936	0.00	
10330.00†	90.000	359.128	6797.00	2595.74	2447.21	-1246.21	40.1540738	-104.5029950	0.00	
10430.00†	90.000	359.128	6797.00	2694.98	2547.20	-1247.73	40.1543483	-104.5029965	0.00	
10530.00†	90.000	359.128	6797.00	2794.22	2647.19	-1249.25	40.1546228	-104.5029979	0.00	
10630.00†	90.000	359.128	6797.00	2893.46	2747.17	-1250.78	40.1548973	-104.5029993	0.00	
10730.00†	90.000	359.128	6797.00	2992.71	2847.16	-1252.30	40.1551717	-104.5030007	0.00	
10830.00†	90.000	359.128	6797.00	3091.95	2947.15	-1253.82	40.1554462	-104.5030022	0.00	
10930.00†	90.000	359.128	6797.00	3191.19	3047.14	-1255.34	40.1557207	-104.5030036	0.00	
11030.00†	90.000	359.128	6797.00	3290.43	3147.13	-1256.87	40.1559952	-104.5030050	0.00	
11130.00†	90.000	359.128	6797.00	3389.68	3247.12	-1258.39	40.1562697	-104.5030064	0.00	
11230.00†	90.000	359.128	6797.00	3488.92	3347.10	-1259.91	40.1565442	-104.5030079	0.00	
11330.00†	90.000	359.128	6797.00	3588.16	3447.09	-1261.43	40.1568187	-104.5030093	0.00	
11430.00†	90.000	359.128	6797.00	3687.40	3547.08	-1262.96	40.1570932	-104.5030107	0.00	
11530.00†	90.000	359.128	6797.00	3786.64	3647.07	-1264.48	40.1573677	-104.5030121	0.00	
11630.00†	90.000	359.128	6797.00	3885.89	3747.06	-1266.00	40.1576422	-104.5030136	0.00	
11730.00†	90.000	359.128	6797.00	3985.13	3847.05	-1267.52	40.1579167	-104.5030150	0.00	
11830.00†	90.000	359.128	6797.00	4084.37	3947.03	-1269.05	40.1581912	-104.5030164	0.00	
11930.00†	90.000	359.128	6797.00	4183.61	4047.02	-1270.57	40.1584657	-104.5030178	0.00	



# Planned Wellpath Report

Guttersen Y12-763 (REV-B.1) PWP  
Page 5 of 8



REFERENCE WELLPATH IDENTIFICATION			
Operator	NOBLE ENERGY, INC	Well	Guttersen Y12-763
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	
Facility	SEC.12-T02N-R64W	Wellbore	Guttersen Y12-763 PWB
Slot	SLOT#03 Guttersen Y12-763 (610'FSL & 2293'FEL, SEC.12)		

WELLPATH DATA (192 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	359.128	6797.00	4282.86	4147.01	-1272.09	40.1587402	-104.5030193	0.00	
12130.00†	90.000	359.128	6797.00	4382.10	4247.00	-1273.61	40.1590147	-104.5030207	0.00	
12230.00†	90.000	359.128	6797.00	4481.34	4346.99	-1275.14	40.1592892	-104.5030221	0.00	
12330.00†	90.000	359.128	6797.00	4580.58	4446.98	-1276.66	40.1595637	-104.5030235	0.00	
12430.00†	90.000	359.128	6797.00	4679.83	4546.97	-1278.18	40.1598382	-104.5030250	0.00	
12530.00†	90.000	359.128	6797.00	4779.07	4646.95	-1279.70	40.1601127	-104.5030264	0.00	
12630.00†	90.000	359.128	6797.00	4878.31	4746.94	-1281.23	40.1603872	-104.5030278	0.00	
12730.00†	90.000	359.128	6797.00	4977.55	4846.93	-1282.75	40.1606617	-104.5030292	0.00	
12830.00†	90.000	359.128	6797.00	5076.79	4946.92	-1284.27	40.1609362	-104.5030307	0.00	
12930.00†	90.000	359.128	6797.00	5176.04	5046.91	-1285.79	40.1612107	-104.5030321	0.00	
13030.00†	90.000	359.128	6797.00	5275.28	5146.90	-1287.32	40.1614852	-104.5030335	0.00	
13130.00†	90.000	359.128	6797.00	5374.52	5246.88	-1288.84	40.1617597	-104.5030349	0.00	
13230.00†	90.000	359.128	6797.00	5473.76	5346.87	-1290.36	40.1620342	-104.5030364	0.00	
13330.00†	90.000	359.128	6797.00	5573.01	5446.86	-1291.88	40.1623087	-104.5030378	0.00	
13430.00†	90.000	359.128	6797.00	5672.25	5546.85	-1293.41	40.1625832	-104.5030392	0.00	
13530.00†	90.000	359.128	6797.00	5771.49	5646.84	-1294.93	40.1628577	-104.5030406	0.00	
13630.00†	90.000	359.128	6797.00	5870.73	5746.83	-1296.45	40.1631322	-104.5030421	0.00	
13730.00†	90.000	359.128	6797.00	5969.98	5846.81	-1297.97	40.1634067	-104.5030435	0.00	
13830.00†	90.000	359.128	6797.00	6069.22	5946.80	-1299.50	40.1636812	-104.5030449	0.00	
13930.00†	90.000	359.128	6797.00	6168.46	6046.79	-1301.02	40.1639557	-104.5030463	0.00	
14030.00†	90.000	359.128	6797.00	6267.70	6146.78	-1302.54	40.1642302	-104.5030478	0.00	
14130.00†	90.000	359.128	6797.00	6366.94	6246.77	-1304.06	40.1645047	-104.5030492	0.00	
14230.00†	90.000	359.128	6797.00	6466.19	6346.76	-1305.59	40.1647792	-104.5030506	0.00	
14330.00†	90.000	359.128	6797.00	6565.43	6446.75	-1307.11	40.1650537	-104.5030520	0.00	
14430.00†	90.000	359.128	6797.00	6664.67	6546.73	-1308.63	40.1653282	-104.5030535	0.00	
14530.00†	90.000	359.128	6797.00	6763.91	6646.72	-1310.15	40.1656027	-104.5030549	0.00	
14630.00†	90.000	359.128	6797.00	6863.16	6746.71	-1311.68	40.1658772	-104.5030563	0.00	
14730.00†	90.000	359.128	6797.00	6962.40	6846.70	-1313.20	40.1661517	-104.5030577	0.00	
14830.00†	90.000	359.128	6797.00	7061.64	6946.69	-1314.72	40.1664262	-104.5030592	0.00	
14930.00†	90.000	359.128	6797.00	7160.88	7046.68	-1316.25	40.1667007	-104.5030606	0.00	
15030.00†	90.000	359.128	6797.00	7260.13	7146.66	-1317.77	40.1669752	-104.5030620	0.00	
15130.00†	90.000	359.128	6797.00	7359.37	7246.65	-1319.29	40.1672497	-104.5030634	0.00	
15230.00†	90.000	359.128	6797.00	7458.61	7346.64	-1320.81	40.1675242	-104.5030649	0.00	
15330.00†	90.000	359.128	6797.00	7557.85	7446.63	-1322.34	40.1677987	-104.5030663	0.00	
15430.00†	90.000	359.128	6797.00	7657.10	7546.62	-1323.86	40.1680732	-104.5030677	0.00	
15530.00†	90.000	359.128	6797.00	7756.34	7646.61	-1325.38	40.1683477	-104.5030691	0.00	
15630.00†	90.000	359.128	6797.00	7855.58	7746.59	-1326.90	40.1686222	-104.5030706	0.00	
15730.00†	90.000	359.128	6797.00	7954.82	7846.58	-1328.43	40.1688967	-104.5030720	0.00	
15830.00†	90.000	359.128	6797.00	8054.06	7946.57	-1329.95	40.1691712	-104.5030734	0.00	
15930.00†	90.000	359.128	6797.00	8153.31	8046.56	-1331.47	40.1694457	-104.5030748	0.00	
16030.00†	90.000	359.128	6797.00	8252.55	8146.55	-1332.99	40.1697202	-104.5030763	0.00	
16130.00†	90.000	359.128	6797.00	8351.79	8246.54	-1334.52	40.1699947	-104.5030777	0.00	
16230.00†	90.000	359.128	6797.00	8451.03	8346.52	-1336.04	40.1702692	-104.5030791	0.00	
16330.00†	90.000	359.128	6797.00	8550.28	8446.51	-1337.56	40.1705437	-104.5030805	0.00	
16430.00†	90.000	359.128	6797.00	8649.52	8546.50	-1339.08	40.1708182	-104.5030820	0.00	

REFERENCE WELLPATH IDENTIFICATION			
Operator	NOBLE ENERGY, INC	Well	Guttersen Y12-763
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	
Facility	SEC.12-T02N-R64W	Wellbore	Guttersen Y12-763 PWB
Slot	SLOT#03 Guttersen Y12-763 (610'FSL & 2293'FEL,SEC.12)		

WELLPATH DATA (192 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	359.128	6797.00	8748.76	8646.49	-1340.61	40.1710927	-104.5030834	0.00	
16630.00†	90.000	359.128	6797.00	8848.00	8746.48	-1342.13	40.1713672	-104.5030848	0.00	
16730.00†	90.000	359.128	6797.00	8947.25	8846.47	-1343.65	40.1716417	-104.5030862	0.00	
16830.00†	90.000	359.128	6797.00	9046.49	8946.46	-1345.17	40.1719162	-104.5030877	0.00	
16930.00†	90.000	359.128	6797.00	9145.73	9046.44	-1346.70	40.1721907	-104.5030891	0.00	
17030.00†	90.000	359.128	6797.00	9244.97	9146.43	-1348.22	40.1724652	-104.5030905	0.00	
17130.00†	90.000	359.128	6797.00	9344.21	9246.42	-1349.74	40.1727397	-104.5030919	0.00	
17230.00†	90.000	359.128	6797.00	9443.46	9346.41	-1351.26	40.1730142	-104.5030934	0.00	
17330.00†	90.000	359.128	6797.00	9542.70	9446.40	-1352.79	40.1732887	-104.5030948	0.00	
17430.00†	90.000	359.128	6797.00	9641.94	9546.39	-1354.31	40.1735632	-104.5030962	0.00	
17530.00†	90.000	359.128	6797.00	9741.18	9646.37	-1355.83	40.1738377	-104.5030976	0.00	
17627.98	90.000	359.128	6797.00‡	9838.42	9744.34	-1357.32	40.1741066	-104.5030990	0.00	BHL

HOLE & CASING SECTIONS - Ref Wellbore: Guttersen Y12-763 PWB Ref Wellpath: Guttersen Y12-763 (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

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	-2.00	-0.51	-45.01	3279878.76	1298091.40	40.1473180	-104.4987970	polygon
2D Polygon: dimensions not calculated									
DP 455 Sec.12-T2N-R64W	N/A	-2.00	-0.51	-45.01	3279878.76	1298091.40	40.1473180	-104.4987970	polygon
2D Polygon: dimensions not calculated									
2) Guttersen Y12-763 BHL (200'FNL & 1756'FWL,SEC.01)	17627.98	6797.00	9744.34	-1357.32	3278566.50	1307835.83	40.1741066	-104.5030990	point
Guttersen Y12-763 BPZ (200'FNL & 1756'FWL,SEC.01)	N/A	6797.00	9744.34	-1357.32	3278566.50	1307835.83	40.1741066	-104.5030990	point
1) Guttersen Y12-763 LP (200'FSL & 1769'FWL,SEC.12)	7458.95	6797.00	-423.51	-1202.50	3278721.32	1297668.42	40.1461927	-104.5029541	point
DP 455 West Hardline(200'FNL/FSL&300'FEL/FWL)	N/A	6850.00	0.40	67.37	3279991.13	1298092.31	40.1473170	-104.4983950	polygon
2D Polygon: dimensions not calculated									



# Planned Wellpath Report

Guttersen Y12-763 (REV-B.1) PWP

Page 7 of 8



REFERENCE WELLPATH IDENTIFICATION			
Operator	NOBLE ENERGY, INC	Well	Guttersen Y12-763
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	
Facility	SEC.12-T02N-R64W	Wellbore	Guttersen Y12-763 PWB
Slot	SLOT#03 Guttersen Y12-763 (610'FSL & 2293'FEL,SEC.12)		

SURVEY PROGRAM - Ref Wellbore: Guttersen Y12-763 PWB Ref Wellpath: Guttersen Y12-763 (REV-B.1) PWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
30.00	1950.00	OWSG MWD rev2 (MS+IFR1)		Guttersen Y12-763 PWB
1950.00	17627.98	OWSG MWD rev2 (MS+IFR1)		Guttersen Y12-763 PWB

REFERENCE WELLPATH IDENTIFICATION			
Operator	NOBLE ENERGY, INC	Well	Guttersen Y12-763
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	
Facility	SEC.12-T02N-R64W	Wellbore	Guttersen Y12-763 PWB
Slot	SLOT#03 Guttersen Y12-763 (610'FSL & 2293'FEL, SEC.12)		

WELLPATH COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
932.33	0.000	223.231	932.33	Upper Pierre Aquifer Top
1652.82	0.000	223.231	1652.82	Upper Pierre Aquifer Base
3901.08	22.314	223.231	3814.28	Parkman
4250.98	22.314	223.231	4137.97	Sussex
5142.38	22.314	223.231	4962.62	Shannon
6258.99	22.314	223.231	5995.61	Teepee Buttes
6965.74	47.730	344.079	6622.30	Sharon Springs
7024.66	52.681	346.551	6660.00	Top A Chalk, Top A Marl
7089.36	58.171	348.915	6696.71	Top B Chalk
7179.53	65.883	351.781	6738.98	Top B Marl

DESIGN COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
30.00	0.000	223.231	30.00	Tie On
2000.00	0.000	223.231	2000.00	End of Tangent
3115.72	22.314	223.231	3087.73	Build (XS)
6283.15	22.314	223.231	6017.96	KOP
7458.95	90.000	359.128	6797.00	LP/TPZ
17627.98	90.000	359.128	6797.00	BHL



# Closest Approach Clearance Summary Report

Guttersen Y12-763 (REV-B.1) PWP - SPE WPTS Stop Drilling HSE Risk (2017)  
Page 1 of 3



REFERENCE WELLPATH IDENTIFICATION			
Operator	NOBLE ENERGY, INC	Well	Guttersen Y12-763
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	
Facility	SEC.12-T02N-R64W	Wellbore	Guttersen Y12-763 PWB
Slot	SLOT#03 Guttersen Y12-763 (610'FSL & 2293'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 10:40:27 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	0.51	45.01	3279923.76	1298091.91	40°08'50.3448"N	104°29'55.0896"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 on SLOT#03 Guttersen Y12-06 (610'FSL & RIG (4866'GL+30'KB@4896'RKB) (RKB) to Facility Vertical Datum	4894.00ft
Horizontal Reference Pt	Slot	Rig on SLOT#03 Guttersen Y12-06 (610'FSL & RIG (4866'GL+30'KB@4896'RKB) (RKB) to Mean Sea Level	4894.00ft
Vertical Reference Pt	Rig on SLOT#03 Guttersen Y12-06 (610'FSL & RIG (4866'GL+30'KB@4896'RKB) (RKB)	Rig on SLOT#03 Guttersen Y12-06 (610'FSL & RIG (4866'GL+30'KB@4896'RKB) (RKB) to Ground Level at Slot (SLOT#03 Guttersen Y12-763 (610'FSL & 2293'FEL, SEC.12))	4894.00ft
MD Reference Pt	Rig on SLOT#03 Guttersen Y12-06 (610'FSL & 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 Y12-763 (REV-B.1) PWP - SPE WPTS Stop Drilling HSE Risk (2017)



REFERENCE WELLPATH IDENTIFICATION			
Operator	NOBLE ENERGY, INC	Well	Guttersen Y12-763
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	
Facility	SEC.12-T02N-R64W	Wellbore	Guttersen Y12-763 PWB
Slot	SLOT#03 Guttersen Y12-763 (610'FSL & 2293'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 Y12-763 PWB    Ref Wellpath: Guttersen Y12-763 (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 Y12-763 PWB    Ref Wellpath: Guttersen Y12-763 (REV-B.1) PWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
30.00	1950.00	OWSG MWD rev2 (MS+IFR1)		Guttersen Y12-763 PWB
1950.00	17627.98	OWSG MWD rev2 (MS+IFR1)		Guttersen Y12-763 PWB



# Closest Approach Clearance Summary Report

Guttersen Y12-763 (REV-B.1) PWP - SPE WPTS Stop Drilling HSE Risk (2017)  
Page 3 of 3



REFERENCE WELLPATH IDENTIFICATION			
Operator	NOBLE ENERGY, INC	Well	Guttersen Y12-763
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	
Facility	SEC.12-T02N-R64W	Wellbore	Guttersen Y12-763 PWB
Slot	SLOT#03 Guttersen Y12-763 (610'FSL & 2293'FEL,SEC.12)		

CALCULATION RANGE & CUTOFF		
From: 30.00ft MD	To: 17627.98ft MD	C-C Cutoff: (none)

OFFSET WELL CLEARANCE SUMMARY (17 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#02 Guttersen Y12-773 (610'FSL & 2316'FEL,SEC.12)	Guttersen Y12-773	Guttersen Y12-773 PWB	Guttersen Y12-773 (REV-B.1) PWP	Planned	2006.52	22.64	17627.98	2106.84	1.01	17627.98	WARN
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	30.00	22.37	17627.98	2001.90	1.02	17627.98	WARN
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	2004.74	45.01	17627.98	2010.82	2.27	17627.98	PASS
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	7007.77	739.50	7007.77	6981.65	2.36	6981.65	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	45.01	17627.98	2001.68	2.39	17627.98	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	67.38	17627.98	2001.59	3.63	17627.98	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	17627.98	665.51	17627.98	17627.98	3.87	17627.98	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	7033.80	1327.37	7033.80	7033.80	3.94	7033.80	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	17627.98	433.44	17627.98	17627.98	4.09	17627.98	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	17627.98	817.65	17627.98	17627.98	4.31	17627.98	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	90.02	17627.98	2001.74	4.88	17627.98	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	17627.98	1205.20	17627.98	17627.98	6.00	17627.98	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	112.38	17627.98	2002.00	6.11	17627.98	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	17627.98	1420.67	17627.98	17627.98	7.22	17627.98	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	17627.98	2041.02	17627.98	17627.98	10.12	17627.98	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	17627.98	2632.96	17627.98	17627.98	12.94	17627.98	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	17627.98	3253.12	17627.98	17627.98	15.93	17627.98	PASS