NOBLE ENERGY, INC

Location:	COLORADO	Slot:	SLOT#15 BISHOP A18-724 (859'FNL & 484'FEL,SEC.07)
Field:	WELD COUNTY (NOBLE NAD 83 GRID)	Well:	BISHOP A18-724
Facility:	SEC.07-T06N-R64W	Wellbore:	BISHOP A18-724 PWB

Plot reference wellpath is BISHOP A18-724 (REV-C.0) PWP	Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet
True vertical depths are referenced to RIG (4741'GL+30'KB@4771'RKB) (RKB)	North Reference: Grid north
Reference wellpath measured depths are referenced to RIG (4741'GL+30'KB@4771'RKB) (RKB)	Scale: True distance
RIG (4741'GL+30'KB@4771'RKB) (RKB) to Mean Sea Level: 4771 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: SLOT#15 BISHOP A18-724 (859'FNL & 484'FEL,SEC.07)): 0 feet	Depths are in feet
Offset wellpath MDs are referenced to each path's default MD datum	Created by: guenaler on 2023-10-06; Database: WA_Denver

Location Information

Facility Name			Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
SEC.07-T06N-R64W			3254380.716	1428262.611	40°30'19.3680"N	104°35'6.7200"W
Slot	**Local N (ft)**	**Local E (ft)**	**Grid East (US ft)**	**Grid North (US ft)**	**Latitude**	**Longitude**
SLOT#15 BISHOP A18-724 (859'FNL & 484'FEL,SEC.07)	0.46	-60.91	3254319.809	1428263.076	40°30'19.3788"N	104°35'7.5084"W
RIG (4741'GL+30'KB@4771'RKB) (RKB) to Ground level (At Slot: SLOT#15 BISHOP A18-724 (859'FNL & 484'FEL,SEC.07))					4771ft	
Mean Sea Level to Ground level (At Slot: SLOT#15 BISHOP A18-724 (859'FNL & 484'FEL,SEC.07))					0ft	
RIG (4741'GL+30'KB@4771'RKB) (RKB) to Mean Sea Level					4771ft	

Well Profile Data

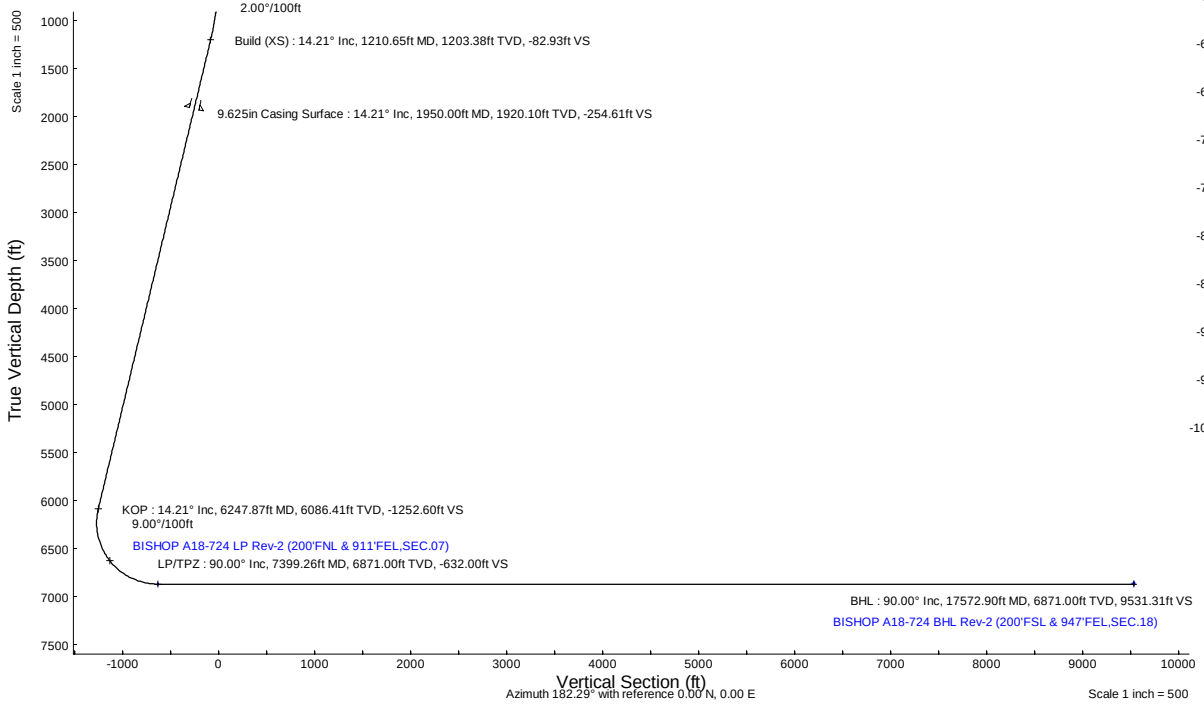
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
SHL	30.00	0.000	343.327	30.00	0.00	0.00	0.00	0.00
End of Tangent	500.00	0.000	343.327	500.00	0.00	0.00	0.00	0.00
Build (XS)	1210.65	14.213	343.327	1203.38	84.00	-25.16	2.00	-82.93
KOP	6247.87	14.213	343.327	6086.41	1268.78	-380.01	0.00	-1252.60
LP/TPZ	7399.26	90.000	179.705	6871.00	649.79	-432.85	9.00	-632.00
BHL	17572.90	90.000	179.705	6871.00	-9523.72	-380.42	0.00	9531.31

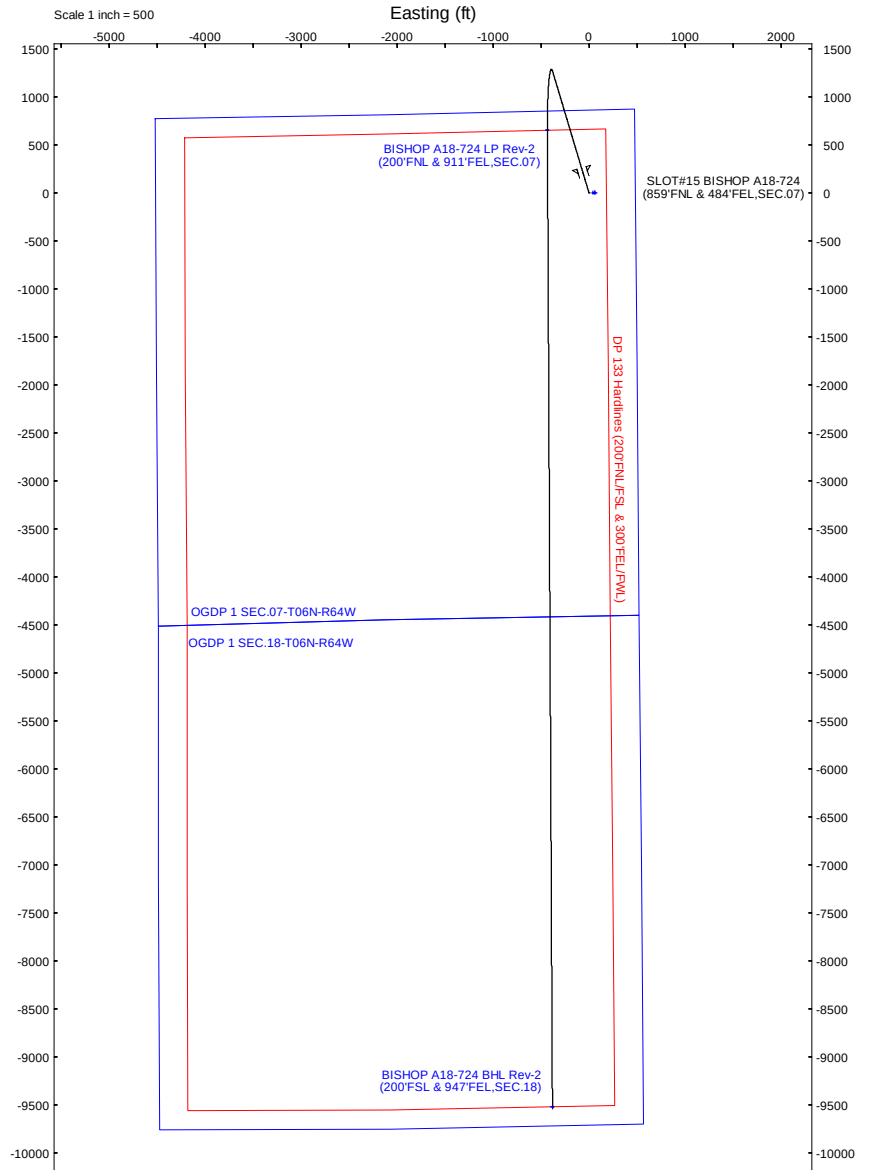
Targets

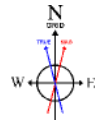
Name	MD (ft)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
OGDP 1 SEC.07-T06N-R64W	N/A	-1.00	-0.46	60.91	3254380.72	1428262.61	40°30'19.3680"N	104°35'6.7200"W
OGDP 1 SEC.18-T06N-R64W	N/A	-1.00	-0.46	60.91	3254380.72	1428262.61	40°30'19.3680"N	104°35'6.7200"W
BISHOP A18-724 BHL Rev-1 (200'FSL & 947'FEL,SEC.18)	N/A	6861.00	-9523.72	-380.42	3253939.40	1418739.70	40°28'45.3140"N	104°35'13.7021"W
BISHOP A18-724 LP Rev-1 (200'FNL & 911'FEL,SEC.07)	N/A	6861.00	649.79	-432.85	3253886.97	1428912.85	40°30'25.8434"N	104°35'13.0250"W
BISHOP A18-724 BHL Rev-2 (200'FSL & 947'FEL,SEC.18)	17572.90	6871.00	-9523.72	-380.42	3253939.40	1418739.70	40°28'45.3140"N	104°35'13.7021"W
BISHOP A18-724 LP Rev-2 (200'FNL & 911'FEL,SEC.07)	7399.26	6871.00	649.79	-432.85	3253886.97	1428912.85	40°30'25.8434"N	104°35'13.0250"W
DP 133 Hardlines (200'FNL/FSL & 300'FEL/FWL)	N/A	7000.00	-0.27	44.78	3254364.58	1428262.81	40°30'19.3716"N	104°35'6.9288"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)		BISHOP A18-724 PWB
1950.00	17638.03	OWSG MWD rev2	OWSG MWD rev2 (MS+IFR1)		BISHOP A18-724 PWB







BGGM (1900.0 to 2024.0) Dip: 66.68° Field: 51663.3 nT
Magnetic North is 7.38 degrees East of True North (at 10/4/2023)
Grid North is 0.59 degrees East of True North
To correct azimuth from True to Grid subtract 0.59 degrees
To correct azimuth from Magnetic to Grid add 6.79 degrees

Planned Wellpath Report

BISHOP A18-724 (REV-C.0) PWP

REFERENCE WELLPATH IDENTIFICATION			
Operator	**NOBLE ENERGY, INC**	Well	**BISHOP A18-724**
Field	**WELD COUNTY (NOBLE NAD 83 GRID)**	API/Legal	
Facility	**SEC.07-T06N-R64W**	Wellbore	**BISHOP A18-724 PWB**
Slot	**SLOT#15 BISHOP A18-724 (859'FNL & 484'FEL,SEC.07)**		

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	**0.999967**	Report Generated	**10/6/2023** at **1:26:44 PM**
Convergence at slot	**0.59° 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	0.46	-60.91	3254319.81	1428263.08	**40.5053830°**	**-104.5854190°**
Facility Reference Pt			3254380.72	1428262.61	**40.5053800°**	**-104.5852000°**
Field Reference Pt			**3000000.00**	**4454105.15**	48.7761986°	-105.5000000°

WELLPATH DATUM			
Calculation method	**Minimum curvature**	RIG (4741'GL+30'KB@4771'RKB) (RKB) to Facility Vertical Datum	**4771.00ft**
Horizontal Reference Pt	**Slot**	RIG (4741'GL+30'KB@4771'RKB) (RKB) to Mean Sea Level	**4771.00ft**
Vertical Reference Pt	**RIG (4741'GL+30'KB@4771'RKB) (RKB)**	RIG (4741'GL+30'KB@4771'RKB) (RKB) to Ground Level at Slot (SLOT#15 BISHOP A18-724 (859'FNL & 484'FEL,SEC.07))	**4771.00ft**
MD Reference Pt	**RIG (4741'GL+30'KB@4771'RKB) (RKB)**	Section Origin	**N 0.00, E 0.00 ft**
Field Vertical Reference	**Mean Sea Level**	Section Azimuth	**182.29°**

REFERENCE WELLPATH IDENTIFICATION			
Operator	NOBLE ENERGY, INC	Well	BISHOP A18-724
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	
Facility	SEC.07-T06N-R64W	Wellbore	BISHOP A18-724 PWB
Slot	SLOT#15 BISHOP A18-724 (859'FNL & 484'FEL,SEC.07)		

WELLPATH DATA (182 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	343.327	0.00	0.00	0.00	0.00	40.5053830	-104.5854190	0.00	
30.00	0.000	343.327	30.00	0.00	0.00	0.00	40.5053830	-104.5854190	0.00	SHL
130.00†	0.000	343.327	130.00	0.00	0.00	0.00	40.5053830	-104.5854190	0.00	
230.00†	0.000	343.327	230.00	0.00	0.00	0.00	40.5053830	-104.5854190	0.00	
330.00†	0.000	343.327	330.00	0.00	0.00	0.00	40.5053830	-104.5854190	0.00	
430.00†	0.000	343.327	430.00	0.00	0.00	0.00	40.5053830	-104.5854190	0.00	
500.00	0.000	343.327	500.00	0.00	0.00	0.00	40.5053830	-104.5854190	0.00	End of Tangent
530.00†	0.600	343.327	530.00	-0.15	0.15	-0.05	40.5053834	-104.5854192	2.00	
630.00†	2.600	343.327	629.96	-2.79	2.83	-0.85	40.5053908	-104.5854219	2.00	
730.00†	4.600	343.327	729.75	-8.73	8.84	-2.65	40.5054073	-104.5854282	2.00	
830.00†	6.600	343.327	829.27	-17.96	18.19	-5.45	40.5054331	-104.5854379	2.00	
930.00†	8.600	343.327	928.39	-30.46	30.86	-9.24	40.5054680	-104.5854511	2.00	
1030.00†	10.600	343.327	1026.98	-46.23	46.83	-14.03	40.5055119	-104.5854677	2.00	
1130.00†	12.600	343.327	1124.93	-65.25	66.09	-19.80	40.5055650	-104.5854877	2.00	
1210.65	14.213	343.327	1203.38	-82.93	84.00	-25.16	40.5056143	-104.5855064	2.00	Build (XS)
1230.00†	14.213	343.327	1222.14	-87.43	88.56	-26.52	40.5056268	-104.5855111	0.00	
1330.00†	14.213	343.327	1319.08	-110.65	112.08	-33.57	40.5056916	-104.5855355	0.00	
1430.00†	14.213	343.327	1416.02	-133.87	135.60	-40.61	40.5057563	-104.5855600	0.00	
1530.00†	14.213	343.327	1512.96	-157.09	159.12	-47.66	40.5058211	-104.5855845	0.00	
1630.00†	14.213	343.327	1609.90	-180.31	182.64	-54.70	40.5058858	-104.5856089	0.00	
1730.00†	14.213	343.327	1706.84	-203.53	206.16	-61.75	40.5059506	-104.5856334	0.00	
1830.00†	14.213	343.327	1803.78	-226.75	229.68	-68.79	40.5060153	-104.5856578	0.00	
1930.00†	14.213	343.327	1900.71	-249.97	253.20	-75.83	40.5060801	-104.5856823	0.00	
2030.00†	14.213	343.327	1997.65	-273.19	276.72	-82.88	40.5061449	-104.5857068	0.00	
2130.00†	14.213	343.327	2094.59	-296.41	300.24	-89.92	40.5062096	-104.5857312	0.00	
2230.00†	14.213	343.327	2191.53	-319.63	323.76	-96.97	40.5062744	-104.5857557	0.00	
2330.00†	14.213	343.327	2288.47	-342.85	347.28	-104.01	40.5063391	-104.5857801	0.00	
2430.00†	14.213	343.327	2385.41	-366.07	370.80	-111.06	40.5064039	-104.5858046	0.00	
2530.00†	14.213	343.327	2482.35	-389.29	394.32	-118.10	40.5064686	-104.5858291	0.00	
2630.00†	14.213	343.327	2579.29	-412.51	417.84	-125.15	40.5065334	-104.5858535	0.00	
2730.00†	14.213	343.327	2676.23	-435.73	441.36	-132.19	40.5065981	-104.5858780	0.00	
2830.00†	14.213	343.327	2773.17	-458.95	464.88	-139.24	40.5066629	-104.5859024	0.00	
2930.00†	14.213	343.327	2870.10	-482.18	488.40	-146.28	40.5067277	-104.5859269	0.00	
3030.00†	14.213	343.327	2967.04	-505.40	511.92	-153.32	40.5067924	-104.5859514	0.00	
3130.00†	14.213	343.327	3063.98	-528.62	535.44	-160.37	40.5068572	-104.5859758	0.00	
3230.00†	14.213	343.327	3160.92	-551.84	558.96	-167.41	40.5069219	-104.5860003	0.00	
3330.00†	14.213	343.327	3257.86	-575.06	582.48	-174.46	40.5069867	-104.5860247	0.00	
3430.00†	14.213	343.327	3354.80	-598.28	606.00	-181.50	40.5070514	-104.5860492	0.00	
3530.00†	14.213	343.327	3451.74	-621.50	629.52	-188.55	40.5071162	-104.5860736	0.00	
3630.00†	14.213	343.327	3548.68	-644.72	653.05	-195.59	40.5071810	-104.5860981	0.00	
3730.00†	14.213	343.327	3645.62	-667.94	676.57	-202.64	40.5072457	-104.5861226	0.00	
3830.00†	14.213	343.327	3742.56	-691.16	700.09	-209.68	40.5073105	-104.5861470	0.00	
3930.00†	14.213	343.327	3839.49	-714.38	723.61	-216.73	40.5073752	-104.5861715	0.00	
4030.00†	14.213	343.327	3936.43	-737.60	747.13	-223.77	40.5074400	-104.5861959	0.00	
4130.00†	14.213	343.327	4033.37	-760.82	770.65	-230.81	40.5075047	-104.5862204	0.00	

REFERENCE WELLPATH IDENTIFICATION			
Operator	NOBLE ENERGY, INC	Well	BISHOP A18-724
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	
Facility	SEC.07-T06N-R64W	Wellbore	BISHOP A18-724 PWB
Slot	SLOT#15 BISHOP A18-724 (859'FNL & 484'FEL,SEC.07)		

WELLPATH DATA (182 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
4230.00†	14.213	343.327	4130.31	-784.04	794.17	-237.86	40.5075695	-104.5862449	0.00	
4330.00†	14.213	343.327	4227.25	-807.26	817.69	-244.90	40.5076342	-104.5862693	0.00	
4430.00†	14.213	343.327	4324.19	-830.48	841.21	-251.95	40.5076990	-104.5862938	0.00	
4530.00†	14.213	343.327	4421.13	-853.70	864.73	-258.99	40.5077638	-104.5863182	0.00	
4630.00†	14.213	343.327	4518.07	-876.92	888.25	-266.04	40.5078285	-104.5863427	0.00	
4730.00†	14.213	343.327	4615.01	-900.14	911.77	-273.08	40.5078933	-104.5863672	0.00	
4830.00†	14.213	343.327	4711.95	-923.36	935.29	-280.13	40.5079580	-104.5863916	0.00	
4930.00†	14.213	343.327	4808.88	-946.58	958.81	-287.17	40.5080228	-104.5864161	0.00	
5030.00†	14.213	343.327	4905.82	-969.80	982.33	-294.22	40.5080875	-104.5864405	0.00	
5130.00†	14.213	343.327	5002.76	-993.03	1005.85	-301.26	40.5081523	-104.5864650	0.00	
5230.00†	14.213	343.327	5099.70	-1016.25	1029.37	-308.30	40.5082170	-104.5864895	0.00	
5330.00†	14.213	343.327	5196.64	-1039.47	1052.89	-315.35	40.5082818	-104.5865139	0.00	
5430.00†	14.213	343.327	5293.58	-1062.69	1076.41	-322.39	40.5083466	-104.5865384	0.00	
5530.00†	14.213	343.327	5390.52	-1085.91	1099.93	-329.44	40.5084113	-104.5865628	0.00	
5630.00†	14.213	343.327	5487.46	-1109.13	1123.45	-336.48	40.5084761	-104.5865873	0.00	
5730.00†	14.213	343.327	5584.40	-1132.35	1146.97	-343.53	40.5085408	-104.5866118	0.00	
5830.00†	14.213	343.327	5681.34	-1155.57	1170.49	-350.57	40.5086056	-104.5866362	0.00	
5930.00†	14.213	343.327	5778.27	-1178.79	1194.01	-357.62	40.5086703	-104.5866607	0.00	
6030.00†	14.213	343.327	5875.21	-1202.01	1217.53	-364.66	40.5087351	-104.5866852	0.00	
6130.00†	14.213	343.327	5972.15	-1225.23	1241.05	-371.70	40.5087998	-104.5867096	0.00	
6230.00†	14.213	343.327	6069.09	-1248.45	1264.57	-378.75	40.5088646	-104.5867341	0.00	
6247.87	14.213	343.327	6086.41	-1252.60	1268.78	-380.01	40.5088762	-104.5867384	0.00	KOP
6330.00†	7.448	326.591	6167.05	-1266.48	1282.90	-385.84	40.5089151	-104.5867589	9.00	
6430.00†	4.933	235.551	6266.65	-1269.18	1285.88	-392.97	40.5089235	-104.5867844	9.00	
6530.00†	12.446	198.584	6365.49	-1256.23	1273.21	-399.96	40.5088889	-104.5868100	9.00	
6630.00†	21.147	190.344	6461.15	-1227.97	1245.20	-406.65	40.5088122	-104.5868351	9.00	
6730.00†	30.020	186.805	6551.26	-1185.09	1202.52	-412.87	40.5086952	-104.5868591	9.00	
6830.00†	38.948	184.774	6633.61	-1128.63	1146.25	-418.46	40.5085409	-104.5868812	9.00	
6930.00†	47.899	183.405	6706.16	-1060.00	1077.75	-423.29	40.5083531	-104.5869011	9.00	
7030.00†	56.862	182.377	6767.14	-980.88	998.72	-427.23	40.5081363	-104.5869183	9.00	
7130.00†	65.832	181.541	6815.05	-893.21	911.11	-430.20	40.5078959	-104.5869322	9.00	
7230.00†	74.806	180.816	6848.69	-799.17	817.07	-432.12	40.5076378	-104.5869426	9.00	
7330.00†	83.783	180.150	6867.25	-701.06	718.91	-432.94	40.5073685	-104.5869492	9.00	
7399.26	90.000	179.705	6871.00[1]	-632.00	649.79	-432.85	40.5071787	-104.5869514	9.00	LP/TPZ
7430.00†	90.000	179.705	6871.00	-601.29	619.05	-432.69	40.5070943	-104.5869520	0.00	
7530.00†	90.000	179.705	6871.00	-501.39	519.05	-432.18	40.5068199	-104.5869538	0.00	
7630.00†	90.000	179.705	6871.00	-401.49	419.05	-431.66	40.5065454	-104.5869557	0.00	
7730.00†	90.000	179.705	6871.00	-301.59	319.05	-431.15	40.5062709	-104.5869575	0.00	
7830.00†	90.000	179.705	6871.00	-201.69	219.06	-430.63	40.5059964	-104.5869594	0.00	
7930.00†	90.000	179.705	6871.00	-101.80	119.06	-430.12	40.5057219	-104.5869612	0.00	
8030.00†	90.000	179.705	6871.00	-1.90	19.06	-429.60	40.5054475	-104.5869631	0.00	
8130.00†	90.000	179.705	6871.00	98.00	-80.94	-429.09	40.5051730	-104.5869649	0.00	
8230.00†	90.000	179.705	6871.00	197.90	-180.94	-428.57	40.5048985	-104.5869668	0.00	
8330.00†	90.000	179.705	6871.00	297.80	-280.94	-428.06	40.5046240	-104.5869686	0.00	
8430.00†	90.000	179.705	6871.00	397.70	-380.94	-427.54	40.5043495	-104.5869705	0.00	

REFERENCE WELLPATH IDENTIFICATION			
Operator	NOBLE ENERGY, INC	Well	BISHOP A18-724
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	
Facility	SEC.07-T06N-R64W	Wellbore	BISHOP A18-724 PWB
Slot	SLOT#15 BISHOP A18-724 (859'FNL & 484'FEL,SEC.07)		

WELLPATH DATA (182 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
8530.00†	90.000	179.705	6871.00	497.60	-480.93	-427.03	40.5040751	-104.5869723	0.00	
8630.00†	90.000	179.705	6871.00	597.49	-580.93	-426.51	40.5038006	-104.5869742	0.00	
8730.00†	90.000	179.705	6871.00	697.39	-680.93	-425.99	40.5035261	-104.5869760	0.00	
8830.00†	90.000	179.705	6871.00	797.29	-780.93	-425.48	40.5032516	-104.5869779	0.00	
8930.00†	90.000	179.705	6871.00	897.19	-880.93	-424.96	40.5029771	-104.5869797	0.00	
9030.00†	90.000	179.705	6871.00	997.09	-980.93	-424.45	40.5027026	-104.5869816	0.00	
9130.00†	90.000	179.705	6871.00	1096.99	-1080.93	-423.93	40.5024282	-104.5869834	0.00	
9230.00†	90.000	179.705	6871.00	1196.88	-1180.93	-423.42	40.5021537	-104.5869852	0.00	
9330.00†	90.000	179.705	6871.00	1296.78	-1280.92	-422.90	40.5018792	-104.5869871	0.00	
9430.00†	90.000	179.705	6871.00	1396.68	-1380.92	-422.39	40.5016047	-104.5869889	0.00	
9530.00†	90.000	179.705	6871.00	1496.58	-1480.92	-421.87	40.5013302	-104.5869908	0.00	
9630.00†	90.000	179.705	6871.00	1596.48	-1580.92	-421.36	40.5010558	-104.5869926	0.00	
9730.00†	90.000	179.705	6871.00	1696.38	-1680.92	-420.84	40.5007813	-104.5869945	0.00	
9830.00†	90.000	179.705	6871.00	1796.27	-1780.92	-420.33	40.5005068	-104.5869963	0.00	
9930.00†	90.000	179.705	6871.00	1896.17	-1880.92	-419.81	40.5002323	-104.5869982	0.00	
10030.00†	90.000	179.705	6871.00	1996.07	-1980.91	-419.29	40.4999578	-104.5870000	0.00	
10130.00†	90.000	179.705	6871.00	2095.97	-2080.91	-418.78	40.4996834	-104.5870019	0.00	
10230.00†	90.000	179.705	6871.00	2195.87	-2180.91	-418.26	40.4994089	-104.5870037	0.00	
10330.00†	90.000	179.705	6871.00	2295.77	-2280.91	-417.75	40.4991344	-104.5870056	0.00	
10430.00†	90.000	179.705	6871.00	2395.67	-2380.91	-417.23	40.4988599	-104.5870074	0.00	
10530.00†	90.000	179.705	6871.00	2495.56	-2480.91	-416.72	40.4985854	-104.5870093	0.00	
10630.00†	90.000	179.705	6871.00	2595.46	-2580.91	-416.20	40.4983109	-104.5870111	0.00	
10730.00†	90.000	179.705	6871.00	2695.36	-2680.91	-415.69	40.4980365	-104.5870130	0.00	
10830.00†	90.000	179.705	6871.00	2795.26	-2780.90	-415.17	40.4977620	-104.5870148	0.00	
10930.00†	90.000	179.705	6871.00	2895.16	-2880.90	-414.66	40.4974875	-104.5870167	0.00	
11030.00†	90.000	179.705	6871.00	2995.06	-2980.90	-414.14	40.4972130	-104.5870185	0.00	
11130.00†	90.000	179.705	6871.00	3094.95	-3080.90	-413.63	40.4969385	-104.5870204	0.00	
11230.00†	90.000	179.705	6871.00	3194.85	-3180.90	-413.11	40.4966641	-104.5870222	0.00	
11330.00†	90.000	179.705	6871.00	3294.75	-3280.90	-412.59	40.4963896	-104.5870241	0.00	
11430.00†	90.000	179.705	6871.00	3394.65	-3380.90	-412.08	40.4961151	-104.5870259	0.00	
11530.00†	90.000	179.705	6871.00	3494.55	-3480.89	-411.56	40.4958406	-104.5870278	0.00	
11630.00†	90.000	179.705	6871.00	3594.45	-3580.89	-411.05	40.4955661	-104.5870296	0.00	
11730.00†	90.000	179.705	6871.00	3694.34	-3680.89	-410.53	40.4952916	-104.5870315	0.00	
11830.00†	90.000	179.705	6871.00	3794.24	-3780.89	-410.02	40.4950172	-104.5870333	0.00	
11930.00†	90.000	179.705	6871.00	3894.14	-3880.89	-409.50	40.4947427	-104.5870352	0.00	
12030.00†	90.000	179.705	6871.00	3994.04	-3980.89	-408.99	40.4944682	-104.5870370	0.00	
12130.00†	90.000	179.705	6871.00	4093.94	-4080.89	-408.47	40.4941937	-104.5870389	0.00	
12230.00†	90.000	179.705	6871.00	4193.84	-4180.89	-407.96	40.4939192	-104.5870407	0.00	
12330.00†	90.000	179.705	6871.00	4293.74	-4280.88	-407.44	40.4936447	-104.5870426	0.00	
12430.00†	90.000	179.705	6871.00	4393.63	-4380.88	-406.93	40.4933703	-104.5870444	0.00	
12530.00†	90.000	179.705	6871.00	4493.53	-4480.88	-406.41	40.4930958	-104.5870463	0.00	
12630.00†	90.000	179.705	6871.00	4593.43	-4580.88	-405.89	40.4928213	-104.5870481	0.00	
12730.00†	90.000	179.705	6871.00	4693.33	-4680.88	-405.38	40.4925468	-104.5870500	0.00	
12830.00†	90.000	179.705	6871.00	4793.23	-4780.88	-404.86	40.4922723	-104.5870518	0.00	
12930.00†	90.000	179.705	6871.00	4893.13	-4880.88	-404.35	40.4919979	-104.5870537	0.00	

REFERENCE WELLPATH IDENTIFICATION			
Operator	NOBLE ENERGY, INC	Well	BISHOP A18-724
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	
Facility	SEC.07-T06N-R64W	Wellbore	BISHOP A18-724 PWB
Slot	SLOT#15 BISHOP A18-724 (859'FNL & 484'FEL,SEC.07)		

WELLPATH DATA (182 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
13030.00†	90.000	179.705	6871.00	4993.02	-4980.87	-403.83	40.4917234	-104.5870555	0.00	
13130.00†	90.000	179.705	6871.00	5092.92	-5080.87	-403.32	40.4914489	-104.5870574	0.00	
13230.00†	90.000	179.705	6871.00	5192.82	-5180.87	-402.80	40.4911744	-104.5870592	0.00	
13330.00†	90.000	179.705	6871.00	5292.72	-5280.87	-402.29	40.4908999	-104.5870611	0.00	
13430.00†	90.000	179.705	6871.00	5392.62	-5380.87	-401.77	40.4906254	-104.5870629	0.00	
13530.00†	90.000	179.705	6871.00	5492.52	-5480.87	-401.26	40.4903510	-104.5870647	0.00	
13630.00†	90.000	179.705	6871.00	5592.41	-5580.87	-400.74	40.4900765	-104.5870666	0.00	
13730.00†	90.000	179.705	6871.00	5692.31	-5680.87	-400.23	40.4898020	-104.5870684	0.00	
13830.00†	90.000	179.705	6871.00	5792.21	-5780.86	-399.71	40.4895275	-104.5870703	0.00	
13930.00†	90.000	179.705	6871.00	5892.11	-5880.86	-399.20	40.4892530	-104.5870721	0.00	
14030.00†	90.000	179.705	6871.00	5992.01	-5980.86	-398.68	40.4889786	-104.5870740	0.00	
14130.00†	90.000	179.705	6871.00	6091.91	-6080.86	-398.16	40.4887041	-104.5870758	0.00	
14230.00†	90.000	179.705	6871.00	6191.81	-6180.86	-397.65	40.4884296	-104.5870777	0.00	
14330.00†	90.000	179.705	6871.00	6291.70	-6280.86	-397.13	40.4881551	-104.5870795	0.00	
14430.00†	90.000	179.705	6871.00	6391.60	-6380.86	-396.62	40.4878806	-104.5870814	0.00	
14530.00†	90.000	179.705	6871.00	6491.50	-6480.86	-396.10	40.4876061	-104.5870832	0.00	
14630.00†	90.000	179.705	6871.00	6591.40	-6580.85	-395.59	40.4873317	-104.5870851	0.00	
14730.00†	90.000	179.705	6871.00	6691.30	-6680.85	-395.07	40.4870572	-104.5870869	0.00	
14830.00†	90.000	179.705	6871.00	6791.20	-6780.85	-394.56	40.4867827	-104.5870888	0.00	
14930.00†	90.000	179.705	6871.00	6891.09	-6880.85	-394.04	40.4865082	-104.5870906	0.00	
15030.00†	90.000	179.705	6871.00	6990.99	-6980.85	-393.53	40.4862337	-104.5870925	0.00	
15130.00†	90.000	179.705	6871.00	7090.89	-7080.85	-393.01	40.4859592	-104.5870943	0.00	
15230.00†	90.000	179.705	6871.00	7190.79	-7180.85	-392.50	40.4856848	-104.5870962	0.00	
15330.00†	90.000	179.705	6871.00	7290.69	-7280.84	-391.98	40.4854103	-104.5870980	0.00	
15430.00†	90.000	179.705	6871.00	7390.59	-7380.84	-391.46	40.4851358	-104.5870999	0.00	
15530.00†	90.000	179.705	6871.00	7490.48	-7480.84	-390.95	40.4848613	-104.5871017	0.00	
15630.00†	90.000	179.705	6871.00	7590.38	-7580.84	-390.43	40.4845868	-104.5871036	0.00	
15730.00†	90.000	179.705	6871.00	7690.28	-7680.84	-389.92	40.4843123	-104.5871054	0.00	
15830.00†	90.000	179.705	6871.00	7790.18	-7780.84	-389.40	40.4840379	-104.5871073	0.00	
15930.00†	90.000	179.705	6871.00	7890.08	-7880.84	-388.89	40.4837634	-104.5871091	0.00	
16030.00†	90.000	179.705	6871.00	7989.98	-7980.84	-388.37	40.4834889	-104.5871110	0.00	
16130.00†	90.000	179.705	6871.00	8089.88	-8080.83	-387.86	40.4832144	-104.5871128	0.00	
16230.00†	90.000	179.705	6871.00	8189.77	-8180.83	-387.34	40.4829399	-104.5871147	0.00	
16330.00†	90.000	179.705	6871.00	8289.67	-8280.83	-386.83	40.4826655	-104.5871165	0.00	
16430.00†	90.000	179.705	6871.00	8389.57	-8380.83	-386.31	40.4823910	-104.5871183	0.00	
16530.00†	90.000	179.705	6871.00	8489.47	-8480.83	-385.80	40.4821165	-104.5871202	0.00	
16630.00†	90.000	179.705	6871.00	8589.37	-8580.83	-385.28	40.4818420	-104.5871220	0.00	
16730.00†	90.000	179.705	6871.00	8689.27	-8680.83	-384.76	40.4815675	-104.5871239	0.00	
16830.00†	90.000	179.705	6871.00	8789.16	-8780.82	-384.25	40.4812930	-104.5871257	0.00	
16930.00†	90.000	179.705	6871.00	8889.06	-8880.82	-383.73	40.4810186	-104.5871276	0.00	
17030.00†	90.000	179.705	6871.00	8988.96	-8980.82	-383.22	40.4807441	-104.5871294	0.00	
17130.00†	90.000	179.705	6871.00	9088.86	-9080.82	-382.70	40.4804696	-104.5871313	0.00	
17230.00†	90.000	179.705	6871.00	9188.76	-9180.82	-382.19	40.4801951	-104.5871331	0.00	
17330.00†	90.000	179.705	6871.00	9288.66	-9280.82	-381.67	40.4799206	-104.5871350	0.00	
17430.00†	90.000	179.705	6871.00	9388.55	-9380.82	-381.16	40.4796461	-104.5871368	0.00	

REFERENCE WELLPATH IDENTIFICATION			
Operator	NOBLE ENERGY, INC	Well	BISHOP A18-724
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	
Facility	SEC.07-T06N-R64W	Wellbore	BISHOP A18-724 PWB
Slot	SLOT#15 BISHOP A18-724 (859'FNL & 484'FEL,SEC.07)		

WELLPATH DATA (182 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
17530.00†	90.000	179.705	6871.00	9488.45	-9480.82	-380.64	40.4793717	-104.5871387	0.00	
17572.90	90.000	179.705	6871.00[2]	9531.31	-9523.72	-380.42	40.4792539	-104.5871395	0.00	BHL

HOLE & CASING SECTIONS - Ref Wellbore: BISHOP A18-724 PWB Ref Wellpath: BISHOP A18-724 (REV-C.0) 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	1920.10	0.00	0.00	257.90	-77.24

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
OGDP 1 SEC.07-T06N-R64W	N/A	-1.00	-0.46	60.91	3254380.72	1428262.61	40.5053800	-104.5852000	polygon
	2D Polygon: dimensions not calculated								
OGDP 1 SEC.18-T06N-R64W	N/A	-1.00	-0.46	60.91	3254380.72	1428262.61	40.5053800	-104.5852000	polygon
	2D Polygon: dimensions not calculated								
BISHOP A18-724 BHL Rev-1 (200'FSL & 947'FEL,SEC.18)	N/A	6861.00	-9523.72	-380.42	**3253939.40**	**1418739.70**	40.4792539	-104.5871395	point
BISHOP A18-724 LP Rev-1 (200'FNL & 911'FEL,SEC.07)	N/A	6861.00	649.79	-432.85	**3253886.97**	**1428912.85**	40.5071787	-104.5869514	point
2) BISHOP A18-724 BHL Rev-2 (200'FSL & 947'FEL,SEC.18)	17572.90	6871.00	-9523.72	-380.42	**3253939.40**	**1418739.70**	40.4792539	-104.5871395	point
1) BISHOP A18-724 LP Rev-2 (200'FNL & 911'FEL,SEC.07)	7399.26	6871.00	649.79	-432.85	**3253886.97**	**1428912.85**	40.5071787	-104.5869514	point
DP 133 Hardlines (200'FNL/FSL & 300'FEL/FWL)	N/A	7000.00	-0.27	44.78	3254364.58	1428262.81	40.5053810	-104.5852580	polygon
	2D Polygon: dimensions not calculated								

SURVEY PROGRAM - Ref Wellbore: BISHOP A18-724 PWB Ref Wellpath: BISHOP A18-724 (REV-C.0) PWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
30.00	1950.00	OWSG MWD rev2 (MS+IFR1)		BISHOP A18-724 PWB
1950.00	17638.03	OWSG MWD rev2 (MS+IFR1)		BISHOP A18-724 PWB

Planned Wellpath Report

BISHOP A18-724 (REV-C.0) PWP

REFERENCE WELLPATH IDENTIFICATION			
Operator	**NOBLE ENERGY, INC**	Well	**BISHOP A18-724**
Field	**WELD COUNTY (NOBLE NAD 83 GRID)**	API/Legal	
Facility	**SEC.07-T06N-R64W**	Wellbore	**BISHOP A18-724 PWB**
Slot	**SLOT#15 BISHOP A18-724 (859'FNL & 484'FEL,SEC.07)**		

DESIGN COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
30.00	0.000	343.327	30.00	SHL
500.00	0.000	343.327	500.00	End of Tangent
1210.65	14.213	343.327	1203.38	Build (XS)
6247.87	14.213	343.327	6086.41	KOP
7399.26	90.000	179.705	6871.00	LP/TPZ
17572.90	90.000	179.705	6871.00	BHL

Closest Approach Clearance Summary Report

BISHOP A18-724 (REV-C.0) PWP - SPE WPTS Stop Drilling HSE Risk (2017)

REFERENCE WELLPATH IDENTIFICATION			
Operator	**NOBLE ENERGY, INC**	Well	**BISHOP A18-724**
Field	**WELD COUNTY (NOBLE NAD 83 GRID)**	API/Legal	
Facility	**SEC.07-T06N-R64W**	Wellbore	**BISHOP A18-724 PWB**
Slot	**SLOT#15 BISHOP A18-724 (859'FNL & 484'FEL,SEC.07)**		

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	**0.999967**	Report Generated	**10/6/2023** at **1:34:02 PM**
Convergence at slot	**0.59° 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	0.46	-60.91	3254319.81	1428263.08	**40°30'19.3788"N**	**104°35'7.5084"W**
Facility Reference Pt			3254380.72	1428262.61	**40°30'19.3680"N**	**104°35'6.7200"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 (4741'GL+30'KB@4771'RKB) (RKB) to Facility Vertical Datum	**4771.00ft**
Horizontal Reference Pt	**Slot**	RIG (4741'GL+30'KB@4771'RKB) (RKB) to Mean Sea Level	**4771.00ft**
Vertical Reference Pt	**RIG (4741'GL+30'KB@4771'RKB) (RKB)**	RIG (4741'GL+30'KB@4771'RKB) (RKB) to Ground Level at Slot (SLOT#15 BISHOP A18-724 (859'FNL & 484'FEL,SEC.07))	**4771.00ft**
MD Reference Pt	**RIG (4741'GL+30'KB@4771'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	**7.38° East of TN**	Dip Angle	**66.68°**	Mag Field Strength	**51663 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

BISHOP A18-724 (REV-C.0) PWP - SPE WPTS Stop Drilling HSE Risk (2017)

REFERENCE WELLPATH IDENTIFICATION			
Operator	NOBLE ENERGY, INC	Well	BISHOP A18-724
Field	WELD COUNTY (NOBLE NAD 83 GRID)	API/Legal	
Facility	SEC.07-T06N-R64W	Wellbore	BISHOP A18-724 PWB
Slot	SLOT#15 BISHOP A18-724 (859'FNL & 484'FEL,SEC.07)		

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: BISHOP A18-724 PWB Ref Wellpath: BISHOP A18-724 (REV-C.0) 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	1920.10	0.00	0.00	257.90	-77.24

SURVEY PROGRAM - Ref Wellbore: BISHOP A18-724 PWB Ref Wellpath: BISHOP A18-724 (REV-C.0) PWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
30.00	1950.00	OWSG MWD rev2 (MS+IFR1)		BISHOP A18-724 PWB
1950.00	17638.03	OWSG MWD rev2 (MS+IFR1)		BISHOP A18-724 PWB

Closest Approach Clearance Summary Report

BISHOP A18-724 (REV-C.0) PWP - SPE WPTS Stop Drilling HSE Risk (2017)

REFERENCE WELLPATH IDENTIFICATION			
Operator	**NOBLE ENERGY, INC**	Well	**BISHOP A18-724**
Field	**WELD COUNTY (NOBLE NAD 83 GRID)**	API/Legal	
Facility	**SEC.07-T06N-R64W**	Wellbore	**BISHOP A18-724 PWB**
Slot	**SLOT#15 BISHOP A18-724 (859'FNL & 484'FEL,SEC.07)**		

CALCULATION RANGE & CUTOFF		
From: **30.00ft MD**	To: **17572.90ft MD**	C-C Cutoff: **(none)**

OFFSET WELL CLEARANCE SUMMARY (88 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.07-T06N-R64W	SLOT#37 DYER #42-7 (05-123-13959)	DYER #42-7 (05-123-13959)	DYER #42-7 AWB	DYER #42-7 AWP (05-123-13959)	Drilling	9189.88	14.60	9189.88	9189.88	0.00	9189.88	FAIL
SEC.06-T06N-R64W	SLOT#08 KREPS TRUST #44-6 (05-123-21722)	KREPS TRUST #44-6	KREPS TRUST #44-6 AWB	KREPS TRUST #44-6 AWP	Drilling	6350.50	549.08	6350.50	6432.39	0.07	6432.39	FAIL
SEC.06-T06N-R64W	SLOT#13 KREPS TRUST #34-6 (05-123-21723)	KREPS TRUST #34-6	KREPS TRUST #34-6 AWB	KREPS TRUST #34-6 AWP	Drilling	6723.58	819.78	6723.58	6858.56	0.10	6858.56	FAIL
SEC.07-T06N-R64W	SLOT#35 CARLSON #33-7 (05-123-19548)	CARLSON #33-7 (05-123-19548)	CARLSON #33-7 AWB	CARLSON #33-7 AWP	Drilling	10445.25	848.89	10445.25	10445.25	0.10	10445.25	FAIL
SEC.07-T06N-R64W	SLOT#41 Ehrlich #32-7 (05-123-20196)	Ehrlich #32-7 (05-123-20196)	Ehrlich #32-7 AWB	Ehrlich #32-7 AWP	Drilling	9370.55	859.95	9370.55	9370.55	0.10	9370.55	FAIL
SEC.18-T06N-R64W	SLOT#24 WPF III A #18-7 (05-123-26642)	WPF III A #18-7	WPF III A #18-7 AWB	WPF III A #18-7 AWP	Drilling	14463.98	1042.55	14463.98	14464.01	0.12	14464.01	FAIL
SEC.18-T06N-R64W	SLOT#17 FOOSE #A18-10 (05-123-13855)	FOOSE #A18-10	FOOSE #A18-10 AWB	FOOSE #A18-10 AWP	Drilling	15881.97	1052.01	15881.97	15882.00	0.13	15882.00	FAIL
SEC.18-T06N-R64W	SLOT#28 RICH FOOSE #1 (05-123-13946)	RICH FOOSE #1	RICH FOOSE #1 AWB	RICH FOOSE #1 AWP	Drilling	17134.28	1150.51	17134.28	17134.33	0.14	17134.33	FAIL
SEC.06-T06N-R64W	SLOT#02 KREPS #43-6 (05-123-22600)	KREPS #43-6	KREPS #43-6 AWB	KREPS #43-6 AWP	Drilling	6386.24	1429.12	6386.24	6534.40	0.19	6534.40	FAIL
SEC.06-T06N-R64W	SLOT#05 KREPS #33-6 (05-123-22597)	KREPS #33-6	KREPS #33-6 AWB	KREPS #33-6 AWP	Drilling	6430.00	1821.69	6430.00	6622.47	0.23	6622.47	FAIL
SEC.06-T06N-R64W	SLOT#09 KREPS #24-6 (05-123-23621)	KREPS #24-6	KREPS #24-6 AWB	KREPS #24-6 AWP	Drilling	6792.24	2140.99	6792.24	7092.61	0.26	7092.61	FAIL
SEC.18-T06N-R64W	SLOT#22 KERKSIEK A #18-14 (05-123-24865)	KERKSIEK A #18-14	KERKSIEK A #18-14 AWB	KERKSIEK A #18-14 AWP	Drilling	17138.36	2169.51	17138.36	17138.36	0.26	17138.36	FAIL
SEC.07-T06N-R64W	SLOT#32 EHRLICH #3 (05-123-12737)	EHRLICH #3 (05-123-12737)	EHRLICH #3 AWB	EHRLICH #3 AWP	Drilling	10556.25	2261.73	10556.25	10556.31	0.27	10556.31	FAIL
SEC.07-T06N-R64W	SLOT#30 KREPS #21-7 (05-123-20207)	KREPS #21-7 (05-123-20207)	KREPS #21-7 AWB	KREPS #21-7 AWP	Drilling	7790.03	2422.53	7790.03	7790.04	0.29	7790.04	FAIL
SEC.18-T06N-R64W	SLOT#20 WPF III #BC A18-6 (05-123-14329)	WPF III #BC A18-6	WPF III #BC A18-6 AWB	WPF III #BC A18-6 AWP	Drilling	14521.33	2437.81	14521.33	14521.47	0.29	14521.47	FAIL
SEC.07-T06N-R64W	SLOT#38 EHRLICH #22-7 (05-123-14184)	EHRLICH #22-7 (05-123-14184)	EHRLICH #22-7 AWB	EHRLICH #22-7 AWP	Drilling	9776.59	2621.09	9776.59	9776.65	0.31	9776.65	FAIL
SEC.06-T06N-R64W	SLOT#03 STEPHENSON #6-31 (05-123-22625)	STEPHENSON #6-31	STEPHENSON #6-31 AWB	STEPHENSON #6-31 AWP	Drilling	6465.21	2657.57	6465.21	6818.80	0.33	6818.80	FAIL
SEC.07-T06N-R64W	SLOT#42 EHRLICH #4 (05-123-12738)	EHRLICH #4 (05-123-12738)	EHRLICH #4 AWB	EHRLICH #4 AWP	Drilling	9234.38	3472.04	9234.38	9234.45	0.42	9234.45	FAIL
SEC.07-T06N-R64W	SLOT#34 KREPS #11-7 (05-123-14166)	KREPS #11-7 (05-123-14166)	KREPS #11-7 AWB	KREPS #11-7 AWP	Drilling	7857.70	3565.13	7857.70	7857.72	0.43	7857.72	FAIL
SEC.18-T06N-R64W	SLOT#18 GOZA #1 (05-123-13598)	GOZA #1	GOZA #1 AWB	GOZA #1 AWP	Drilling	15840.95	3608.13	15840.95	15841.30	0.43	15841.30	FAIL
SEC.06-T06N-R64W	SLOT#04 KREPS #31-6 (05-123-22628)	KREPS #31-6	KREPS #31-6 AWB	KREPS #31-6 AWP	Drilling	6430.00	4363.48	6430.00	6792.48	0.55	6792.48	FAIL
SEC.18-T06N-R64W	SLOT#09 FOOSE PC A18-65HN (05-123-35047)	FOOSE PC A18-65HN	FOOSE PC A18-65HN AWB	FOOSE PC A18-65HN AWP	Drilling	15298.31	82.58	15298.31	15292.94	0.65	15292.94	FAIL
SEC.18-T06N-R64W	SLOT#25 CARLSON #A18-17 (05-123-32627)	CARLSON #A18-17	CARLSON #A18-17 AWB	CARLSON #A18-17 AWP	Drilling	13838.85	481.08	13838.85	13841.18	1.11	13841.18	PASS
SEC.18-T06N-R64W	SLOT#30 LOG CABIN #1 (05-123-13426)	LOG CABIN #1	LOG CABIN #1 AWB	LOG CABIN #1 AWP	Drilling	17078.00	4546.76	17078.00	17094.61	1.30	17094.61	PASS
SEC.18-T06N-R64W	SLOT#27 FOOSE #2 (05-123-14425)	FOOSE #2	FOOSE #2 AWB	FOOSE #2 AWP	Drilling	17036.89	3355.47	17036.89	14275.25	1.35	17572.90	PASS

Closest Approach Clearance Summary Report

BISHOP A18-724 (REV-C.0) PWP - SPE WPTS Stop Drilling HSE Risk (2017)

REFERENCE WELLPATH IDENTIFICATION			
Operator	**NOBLE ENERGY, INC**	Well	**BISHOP A18-724**
Field	**WELD COUNTY (NOBLE NAD 83 GRID)**	API/Legal	
Facility	**SEC.07-T06N-R64W**	Wellbore	**BISHOP A18-724 PWB**
Slot	**SLOT#15 BISHOP A18-724 (859'FNL & 484'FEL,SEC.07)**		

CALCULATION RANGE & CUTOFF		
From: **30.00ft MD**	To: **17572.90ft MD**	C-C Cutoff: **(none)**

OFFSET WELL CLEARANCE SUMMARY (88 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.18-T06N-R64W	SLOT#19 DOUBLE BAR S #12-18 (05-123-14542)	DOUBLE BAR S #12-18	DOUBLE BAR S #12-18 AWB	DOUBLE BAR S #12-18 AWP	Drilling	16216.48	4561.08	16216.48	16239.46	1.36	16239.46	PASS
SEC.18-T06N-R64W	SLOT#21 LOG CABIN #2 (05-123-14563)	LOG CABIN #2	LOG CABIN #2 AWB	LOG CABIN #2 AWP	Drilling	16814.33	4115.52	16814.33	15363.15	1.37	17572.90	PASS
SEC.18-T06N-R64W	SLOT#10 CARLSON #41-18 (05-123-21670)	CARLSON #41-18	CARLSON #41-18 AWB	CARLSON #41-18 AWP	Drilling	12913.37	150.91	12913.37	12912.55	1.41	12912.55	PASS
SEC.07-T06N-R64W	SLOT#39 CARLSON #44-7 (05-123-14171)	CARLSON #44-7 (05-123-14171)	CARLSON #44-7 AWB	CARLSON #44-7 AWP (05-123-14171)	Drilling	11926.28	159.43	11926.28	11924.90	1.82	11924.90	PASS
SEC.18-T06N-R64W	SLOT#11 CARLSON #42-18 (05-123-21671)	CARLSON #42-18	CARLSON #42-18 AWB	CARLSON #42-18 AWP	Drilling	14392.83	264.21	14392.83	14393.55	2.14	14393.55	PASS
SEC.18-T06N-R64W	SLOT#14 FOOSE #A18-23 (05-123-32666)	FOOSE #A18-23	FOOSE #A18-23 AWB	FOOSE #A18-23 AWP	Drilling	16263.23	327.88	16263.23	16272.16	2.24	16272.16	PASS
SEC.07-T06N-R64W	SLOT#14 BISHOP A18-733 (859'FNL & 507'FEL,SEC.07)	BISHOP A18-733	BISHOP A18-733 PWB	BISHOP A18-733 (REV-C.0) PWP	Planned	501.99	22.52	501.99	673.41	2.74	17572.90	PASS
SEC.07-T06N-R64W	SLOT#16 BISHOP A18-715 (860'FNL & 462'FEL,SEC.07)	BISHOP A18-715	BISHOP A18-715 PWB	BISHOP A18-715 (REV-C.0) PWP	Planned	30.00	22.25	500.00	622.32	2.74	17572.90	PASS
SEC.18-T06N-R64W	SLOT#12 FOOSE #A18-9 (05-123-13528)	FOOSE #A18-9	FOOSE #A18-9 AWB	FOOSE #A18-9 AWP	Drilling	15867.83	391.71	15867.83	15870.78	2.78	15870.78	PASS
SEC.07-T06N-R64W	SLOT#23 BISHOP A06-722 (1009'FNL & 486'FEL,SEC.07)	BISHOP A06-722	BISHOP A06-722 PWB	BISHOP A06-722 (REV-C.0) PWP	Planned	30.00	150.11	7239.23	7239.23	2.92	7239.23	PASS
SEC.07-T06N-R64W	SLOT#29 DYER #41-7 (05-123-20669)	DYER #41-7 (05-123-20669)	DYER #41-7 AWB	DYER #41-7 AWP	Drilling	1791.87	129.18	7911.55	7911.55	3.39	7911.55	PASS
SEC.07-T06N-R64W	SLOT#31 ROY CARLSON #43-7 (05-123-21867)	ROY CARLSON #43-7 (05-123-21867)	ROY CARLSON #43-7 AWB	ROY CARLSON #43-7 AWP	Drilling	10676.86	303.56	10676.86	10679.02	4.13	10679.02	PASS
SEC.18-T06N-R64W	SLOT#08 Foose State A17-618 (2347'FSL & 687'FEL,SEC.18)	Foose State A17-618	Foose State A17-618 PWB	Foose State A17-618 (REV-C.0) PWP	Planned	17115.29	654.78	17115.29	17146.89	4.28	17146.89	PASS
SEC.18-T06N-R64W	SLOT#06 Foose State A17-637 (2349'FSL & 762'FEL,SEC.18)	Foose State A17-637	Foose State A17-637 PWB	Foose State A17-637 (REV-C.0) PWP	Planned	15987.28	656.83	15987.28	16020.42	4.81	16020.42	PASS
SEC.18-T06N-R64W	SLOT#07 Foose State A17-627 (2348'FSL & 724'FEL,SEC.18)	Foose State A17-627	Foose State A17-627 PWB	Foose State A17-627 (REV-B.0) PWP	Planned	16532.30	694.56	16532.30	16569.49	4.83	16569.49	PASS
SEC.18-T06N-R64W	SLOT#05 Foose State A17-647 (2349'FSL & 799'FEL,SEC.18)	Foose State A17-647	Foose State A17-647 PWB	Foose State A17-647 (REV-B.0) PWP	Planned	15350.98	682.37	15350.98	15389.74	5.34	15389.74	PASS
SEC.18-T06N-R64W	SLOT#04 Foose State A17-656 (2350'FSL & 837'FEL,SEC.18)	Foose State A17-656	Foose State A17-656 PWB	Foose State A17-656 (REV-B.0) PWP	Planned	14762.60	657.92	14762.60	14800.10	5.45	14800.10	PASS
SEC.07-T06N-R64W	SLOT#01 BISHOP A08-685 (860'FNL & 439'FEL,SEC.07)	BISHOP A08-685	BISHOP A08-685 PWB	BISHOP A08-685 (REV-C.0) PWP	Planned	30.00	44.78	7530.00	734.31	5.49	7630.00	PASS
SEC.07-T06N-R64W	SLOT#13 BISHOP A18-742 (858'FNL & 529'FEL,SEC.07)	BISHOP A18-742	BISHOP A18-742 PWB	BISHOP A18-742 (REV-C.0) PWP	Planned	501.65	45.05	501.65	17572.90	5.59	17572.90	PASS
SEC.18-T06N-R64W	SLOT#03 Foose State A17-665 (2351'FSL & 874'FEL,SEC.18)	Foose State A17-665	Foose State A17-665 PWB	Foose State A17-665 (REV-B.0) PWP	Planned	14171.78	679.82	14171.78	14216.98	5.97	14216.98	PASS
SEC.18-T06N-R64W	SLOT#01 Foose State A17-685 (2352'FSL & 949'FEL,SEC.18)	Foose State A17-685	Foose State A17-685 PWB	Foose State A17-685 (REV-B.0) PWP	Planned	13006.55	615.83	13006.55	13057.41	5.98	13057.41	PASS
SEC.18-T06N-R64W	SLOT#02 Foose State A17-675 (2351'FSL & 912'FEL,SEC.18)	Foose State A17-675	Foose State A17-675 PWB	Foose State A17-675 (REV-B.0) PWP	Planned	13590.24	663.92	13590.24	13633.87	6.10	13633.87	PASS
SEC.07-T06N-R64W	SLOT#08 CARLSON A08-615 (1422'FSL & 807'FEL,SEC.07)	CARLSON A08-615	CARLSON A08-615 PWB	CARLSON A08-615 (REV-C.0) PWP	Planned	12031.07	654.74	12031.07	12086.67	7.70	12086.67	PASS
SEC.07-T06N-R64W	SLOT#22 BISHOP A06-731 (1009'FNL & 508'FEL,SEC.07)	BISHOP A06-731	BISHOP A06-731 PWB	BISHOP A06-731 (REV-B.0) PWP	Planned	30.00	152.04	7399.26	7340.78	7.86	7340.78	PASS
SEC.07-T06N-R64W	SLOT#02 BISHOP A08-675 (861'FNL & 417'FEL,SEC.07)	BISHOP A08-675	BISHOP A08-675 PWB	BISHOP A08-675 (REV-C.0) PWP	Planned	30.00	67.30	8130.00	816.60	8.01	8230.00	PASS

Closest Approach Clearance Summary Report

BISHOP A18-724 (REV-C.0) PWP - SPE WPTS Stop Drilling HSE Risk (2017)

REFERENCE WELLPATH IDENTIFICATION			
Operator	**NOBLE ENERGY, INC**	Well	**BISHOP A18-724**
Field	**WELD COUNTY (NOBLE NAD 83 GRID)**	API/Legal	
Facility	**SEC.07-T06N-R64W**	Wellbore	**BISHOP A18-724 PWB**
Slot	**SLOT#15 BISHOP A18-724 (859'FNL & 484'FEL,SEC.07)**		

CALCULATION RANGE & CUTOFF		
From: **30.00ft MD**	To: **17572.90ft MD**	C-C Cutoff: **(none)**

OFFSET WELL CLEARANCE SUMMARY (88 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.07-T06N-R64W	SLOT#07 CARLSON A08-625 (1423'FSL & 844'FEL,SEC.07)	CARLSON A08-625	CARLSON A08-625 PWB	CARLSON A08-625 (REV-C.0) PWP	Planned	11425.37	649.41	11425.37	11486.28	8.39	11486.28	PASS
SEC.07-T06N-R64W	SLOT#12 BRASKALAND A18-755 (800'FNL & 319'FWL,SEC.07)	BRASKALAND A18-755	BRASKALAND A18-755 PWB	BRASKALAND A18-755 (REV-C.0) PWP	Planned	7421.31	1743.16	7421.31	17572.90	8.41	17572.90	PASS
SEC.07-T06N-R64W	SLOT#06 CARLSON A08-635 (1423'FSL & 882'FEL,SEC.07)	CARLSON A08-635	CARLSON A08-635 PWB	CARLSON A08-635 (REV-C.0) PWP	Planned	10818.32	642.36	10818.32	10884.56	9.06	10884.56	PASS
SEC.18-T06N-R64W	SLOT#15 WPF III #A18-2 (05-123-13195)	WPF III #A18-2	WPF III #A18-2 AWB	WPF III #A18-2 AWP	Drilling	13109.31	1092.76	13109.31	13204.90	10.15	13204.90	PASS
SEC.07-T06N-R64W	SLOT#05 CARLSON A08-645 (1424'FSL & 919'FEL,SEC.07)	CARLSON A08-645	CARLSON A08-645 PWB	CARLSON A08-645 (REV-C.0) PWP	Planned	10209.33	670.06	10209.33	10294.33	10.25	10294.33	PASS
SEC.07-T06N-R64W	SLOT#03 BISHOP A08-665 (861'FNL & 394'FEL,SEC.07)	BISHOP A08-665	BISHOP A08-665 PWB	BISHOP A08-665 (REV-C.0) PWP	Planned	30.00	89.83	8830.00	830.00	10.44	8930.00	PASS
SEC.07-T06N-R64W	SLOT#11 BRASKALAND A18-764 (777'FNL & 319'FWL,SEC.07)	BRASKALAND A18-764	BRASKALAND A18-764 PWB	BRASKALAND A18-764 (REV-C.0) PWP	Planned	7421.86	2325.07	7421.86	17572.90	11.23	17572.90	PASS
SEC.07-T06N-R64W	SLOT#04 BISHOP A08-655 (862'FNL & 372'FEL,SEC.07)	BISHOP A08-655	BISHOP A08-655 PWB	BISHOP A08-655 (REV-C.0) PWP	Planned	30.00	112.36	9430.00	9489.89	11.49	9489.89	PASS
SEC.07-T06N-R64W	SLOT#43 CARLSON #34-7 (05-123-14251)	CARLSON #34-7 (05-123-14251)	CARLSON #34-7 AWB	CARLSON #34-7 AWP	Drilling	11822.09	1050.87	11822.09	11936.90	12.36	11936.90	PASS
SEC.07-T06N-R64W	SLOT#10 BRASKALAND A18-773 (755'FNL & 319'FWL,SEC.07)	BRASKALAND A18-773	BRASKALAND A18-773 PWB	BRASKALAND A18-773 (REV-C.0) PWP	Planned	7414.32	2905.68	7414.32	17572.90	14.07	17572.90	PASS
SEC.07-T06N-R64W	SLOT#24 BISHOP A06-712 (1010'FNL & 463'FEL,SEC.07)	BISHOP A06-712	BISHOP A06-712 PWB	BISHOP A06-712 (REV-C.0) PWP	Planned	30.00	151.90	7330.00	7230.00	15.27	7230.00	PASS
SEC.07-T06N-R64W	SLOT#09 BRASKALAND A18-782 (732'FNL & 319'FWL,SEC.07)	BRASKALAND A18-782	BRASKALAND A18-782 PWB	BRASKALAND A18-782 (REV-C.0) PWP	Planned	7374.60	3486.48	7374.60	17572.90	16.91	17572.90	PASS
SEC.07-T06N-R64W	SLOT#33 KREPS #1 (05-123-12736)	KREPS #1 (05-123-12736)	KREPS #1 AWB	KREPS #1 AWP	Drilling	7854.64	957.87	7854.64	7884.72	17.15	7884.72	PASS
SEC.18-T06N-R64W	SLOT#23 Kerksiek USX #A18-25 (05-123-32655)	Kerksiek USX #A18-25	Kerksiek USX #A18-25 AWB	Kerksiek USX #A18-25 AWP	Drilling	16491.90	2653.82	16491.90	16865.77	17.68	16865.77	PASS
SEC.07-T06N-R64W	SLOT#25 BISHOP A05-783 (1010'FNL & 441'FEL,SEC.07)	BISHOP A05-783	BISHOP A05-783 PWB	BISHOP A05-783 (REV-C.0) PWP	Planned	501.50	156.59	7430.00	930.00	18.10	7030.00	PASS
SEC.06-T06N-R64W	SLOT#12 Stille #12-6H (05-123-34410)	Stille #12-6H	Stille #12-6H AWB	Stille #12-6H AWP	Drilling	6530.00	3535.81	6530.00	6542.17	18.24	6542.17	PASS
SEC.07-T06N-R64W	SLOT#21 BISHOP A06-740 (1008'FNL & 531'FEL,SEC.07)	BISHOP A06-740	BISHOP A06-740 PWB	BISHOP A06-740 (REV-C.0) PWP	Planned	30.00	156.85	7630.00	930.00	18.54	7630.00	PASS
SEC.07-T06N-R64W	SLOT#26 BISHOP A05-773 (1011'FNL & 418'FEL,SEC.07)	BISHOP A05-773	BISHOP A05-773 PWB	BISHOP A05-773 (REV-C.0) PWP	Planned	30.00	164.60	7630.00	830.00	19.94	7630.00	PASS
SEC.18-T06N-R64W	SLOT#13 WPF III #A18-3 (05-123-13196)	WPF III #A18-3	WPF III #A18-3 AWB	WPF III #A18-3 AWP	Drilling	13145.52	2349.28	13145.52	13536.55	21.44	13536.55	PASS
SEC.07-T06N-R64W	SLOT#27 BISHOP A05-764 (1011'FNL & 396'FEL,SEC.07)	BISHOP A05-764	BISHOP A05-764 PWB	BISHOP A05-764 (REV-C.0) PWP	Planned	30.00	175.16	7630.00	830.00	21.49	7730.00	PASS
SEC.18-T06N-R64W	SLOT#29 WPF III #A18-13A (05-123-13197)	WPF III #A18-13A	WPF III #A18-13A AWB	WPF III #A18-13A AWP	Drilling	17041.18	3545.72	17041.18	17572.90	22.35	17572.90	PASS
SEC.07-T06N-R64W	SLOT#28 BISHOP A05-755 (1012'FNL & 373'FEL,SEC.07)	BISHOP A05-755	BISHOP A05-755 PWB	BISHOP A05-755 (REV-C.0) PWP	Planned	30.00	187.54	7630.00	830.00	23.11	8530.00	PASS
SEC.07-T06N-R64W	SLOT#40 EHRLICH #24-7 (05-123-20469)	EHRLICH #24-7 (05-123-20469)	EHRLICH #24-7 AWB	EHRLICH #24-7 AWP	Drilling	11865.44	2344.18	11865.44	12348.95	26.82	12348.95	PASS
SEC.18-T06N-R64W	SLOT#26 HELDT #12-18 (05-123-19549)	HELDT #12-18	HELDT #12-18 AWB	HELDT #12-18 AWP	Drilling	14537.34	3443.99	14537.34	15249.47	26.95	15249.47	PASS
SEC.07-T06N-R64W	SLOT#20 BRASKALAND A06-756 (642'FNL & 320'FWL,SEC.07)	BRASKALAND A06-756	BRASKALAND A06-756 PWB	BRASKALAND A06-756 (REV-C.0) PWP	Planned	7170.59	1837.31	7170.59	7071.36	29.57	7071.36	PASS

Closest Approach Clearance Summary Report

BISHOP A18-724 (REV-C.0) PWP - SPE WPTS Stop Drilling HSE Risk (2017)

REFERENCE WELLPATH IDENTIFICATION			
Operator	**NOBLE ENERGY, INC**	Well	**BISHOP A18-724**
Field	**WELD COUNTY (NOBLE NAD 83 GRID)**	API/Legal	
Facility	**SEC.07-T06N-R64W**	Wellbore	**BISHOP A18-724 PWB**
Slot	**SLOT#15 BISHOP A18-724 (859'FNL & 484'FEL,SEC.07)**		

CALCULATION RANGE & CUTOFF		
From: **30.00ft MD**	To: **17572.90ft MD**	C-C Cutoff: **(none)**

OFFSET WELL CLEARANCE SUMMARY (88 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.18-T06N-R64W	SLOT#16 HELDT #11-18 (05-123-20466)	HELDT #11-18	HELDT #11-18 AWB	HELDT #11-18 AWP	Drilling	13170.52	3498.61	13170.52	13993.35	31.14	13993.35	PASS
SEC.07-T06N-R64W	SLOT#44 EHRLICH #2 (05-123-12460)	EHRLICH #2 (05-123-12460)	EHRLICH #2 AWB	EHRLICH #2 AWP	Drilling	11913.16	3463.78	11913.16	12905.43	38.09	12905.43	PASS
SEC.07-T06N-R64W	SLOT#19 BRASKALAND A06-765 (665'FNL & 319'FWL,SEC.07)	BRASKALAND A06-765	BRASKALAND A06-765 PWB	BRASKALAND A06-765 (REV-C.0) PWP	Planned	7222.01	2420.56	7222.01	6990.54	40.63	6990.54	PASS
SEC.07-T06N-R64W	SLOT#36 EHRLICH #1 (05-123-12382)	EHRLICH #1 (05-123-12382)	EHRLICH #1 AWB	EHRLICH #1 AWP	Drilling	10578.95	3538.85	10578.95	11763.50	45.61	11763.50	PASS
SEC.06-T06N-R64W	SLOT#15 KREPS #6-35 (05-123-24937)	KREPS #6-35	KREPS #6-35 AWB	KREPS #6-35 AWP	Drilling	6560.82	3227.61	6560.82	6882.38	48.19	6882.38	PASS
SEC.06-T06N-R64W	SLOT#10 KREPS #32-6 (05-123-22629)	KREPS #32-6	KREPS #32-6 AWB	KREPS #32-6 AWP	Drilling	6430.00	3183.62	6430.00	6543.14	48.70	6543.14	PASS
SEC.06-T06N-R64W	SLOT#07 MOODY #22-6 (05-123-22579)	MOODY #22-6	MOODY #22-6 AWB	MOODY #22-6 AWP	Drilling	6430.00	3408.91	6430.00	6683.17	51.27	6683.17	PASS
SEC.07-T06N-R64W	SLOT#18 BRASKALAND A06-773 (687'FNL & 319'FWL,SEC.07)	BRASKALAND A06-773	BRASKALAND A06-773 PWB	BRASKALAND A06-773 (REV-C.0) PWP	Planned	7238.52	2996.63	7238.52	6943.20	51.87	6943.20	PASS
SEC.06-T06N-R64W	SLOT#14 STEPHENSON #6-33 (05-123-22623)	STEPHENSON #6-33	STEPHENSON #6-33 AWB	STEPHENSON #6-33 AWP	Drilling	6717.91	3734.08	6717.91	7078.28	55.14	7078.28	PASS
SEC.06-T06N-R64W	SLOT#06 STEPHENSON #6-32 (05-123-22622)	STEPHENSON #6-32	STEPHENSON #6-32 AWB	STEPHENSON #6-32 AWP	Drilling	6504.82	3693.91	6504.82	6882.01	55.16	6882.01	PASS
SEC.07-T06N-R64W	SLOT#17 BRASKALAND A06-782 (710'FNL & 319'FWL,SEC.07)	BRASKALAND A06-782	BRASKALAND A06-782 PWB	BRASKALAND A06-782 (REV-C.0) PWP	Planned	7347.79	3574.97	7347.79	7024.22	62.57	7024.22	PASS
SEC.06-T06N-R64W	SLOT#11 MOODY #12-6 (05-123-22569)	MOODY #12-6	MOODY #12-6 AWB	MOODY #12-6 AWP	Drilling	6460.64	4451.06	6460.64	6881.26	66.43	6881.26	PASS
SEC.06-T06N-R64W	SLOT#01 MOODY #21-6 (05-123-23586)	MOODY #21-6	MOODY #21-6 AWB	MOODY #21-6 AWP	Drilling	6430.00	4660.21	6430.00	6738.15	70.14	6738.15	PASS