

Location:	COLORADO	Slot:	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Field:	ADAMS COUNTY (NAD83/ TRUE NORTH)	Well:	BRIGHTON LAKES 20-17-1CDH
Facility:	SEC.20-T01S-R66W	Wellbore:	BRIGHTON LAKES 20-17-1CDH PWB

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Grid System: NAD83 / Lambert Colorado SP. Northern Zone (501). US feet

North Reference: True north

Scale: True distance

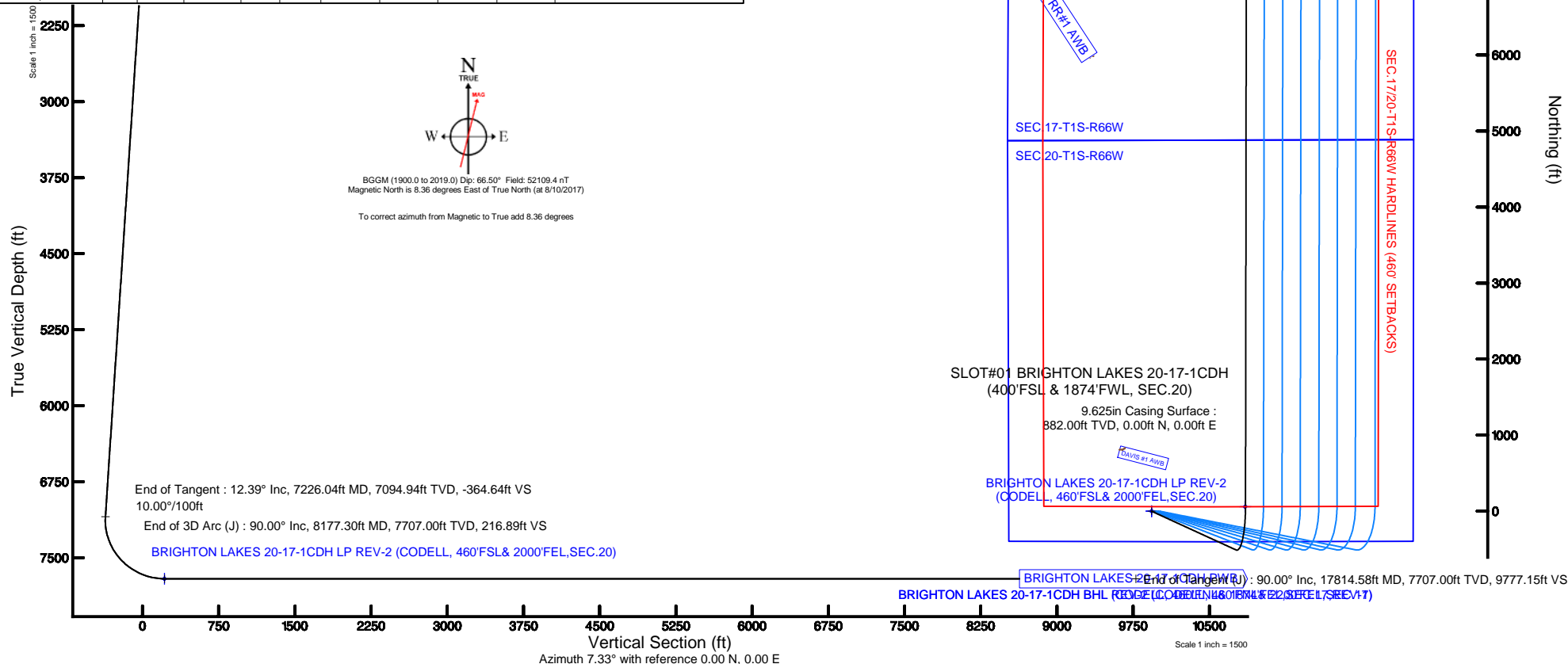
Depths are in feet

Created by: ingmjmr on 2017-08-10

Database: WA_DEN_Denver_Defn

Facility Name			Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
SEC.2D-T01S-R66W			3195665.301	1223370.474	39°56'39.912"N	104°48'07.704"W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
SLOT#01 BRIGHTON LAKES 20-17-1CDH (4007FSL & 1874FWL, SEC.20)	0.00	0.00	3195665.301	1223370.474	39°56'39.912"N	104°48'07.704"W
RIG (16" RK9) (RT) to Mud line (At Slot: SLOT#01 BRIGHTON LAKES 20-17-1CDH (4007FSL & 1874FWL, SEC.20))					5063Rt	
Mean Sea Level to Mud line (At Slot: SLOT#01 BRIGHTON LAKES 20-17-1CDH (4007FSL & 1874FWL, SEC.20))					0ft	
RIG (16" RK9) (RT) to Mean Sea Level					5063Rt	

Name	Start MD (ft)	End MD (ft)	Interval (ft)	Start TVD (ft)	End TVD (ft)	Start Local N (ft)	Start Local E (ft)	End Local N (ft)	End Local E (ft)	Wellbore
13.5in Open Hole	16.00	882.00	866.00	16.00	882.00	0.00	0.00	0.00	0.00	BRIGHTON LAKES 20-17-1CDH PWB
9.625in Casing Surface	16.00	882.00	866.00	16.00	882.00	0.00	0.00	0.00	0.00	BRIGHTON LAKES 20-17-1CDH PWB
8.5in Open Hole	882.00	17814.58	16932.58	882.00	7707.00	0.00	0.00	9697.26	1247.25	BRIGHTON LAKES 20-17-1CDH PWB





Planned Wellpath Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0, CODELL) PWP
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 5.1
North Reference	True	User	Ingmjmr
Scale	0.999971	Report Generated	8/10/2017 at 2:39:14 PM
Convergence at slot	0.45° East	Database/Source file	WA_DEN_Denver_Defn/BRIGHTON_LAKES_20-17-1CDH_REV-B.0_CODELL_PWP.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	3195665.30	1223370.47	39°56'39.912"N	104°48'07.704"W
Facility Reference Pt			3195665.30	1223370.47	39°56'39.912"N	104°48'07.704"W
Field Reference Pt			3175478.75	1240632.48	39°59'31.992"N	104°52'25.320"W

WELLPATH DATUM

Calculation method	Minimum curvature	RIG (16' RKB) (RT) to Facility Vertical Datum	5063.00ft
Horizontal Reference Pt	Slot	RIG (16' RKB) (RT) to Mean Sea Level	5063.00ft
Vertical Reference Pt	RIG (16' RKB) (RT)	RIG (16' RKB) (RT) to Mud Line at Slot (SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20))	5063.00ft
MD Reference Pt	RIG (16' RKB) (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	7.33°



Planned Wellpath Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
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Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

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	114.686	0.00	0.00	0.00	0.00	39°56'39.912"N	104°48'07.704"W	0.00	
16.00	0.000	114.686	16.00	0.00	0.00	0.00	39°56'39.912"N	104°48'07.704"W	0.00	Tie On
116.00†	0.000	114.686	116.00	0.00	0.00	0.00	39°56'39.912"N	104°48'07.704"W	0.00	
216.00†	0.000	114.686	216.00	0.00	0.00	0.00	39°56'39.912"N	104°48'07.704"W	0.00	
316.00†	0.000	114.686	316.00	0.00	0.00	0.00	39°56'39.912"N	104°48'07.704"W	0.00	
416.00†	0.000	114.686	416.00	0.00	0.00	0.00	39°56'39.912"N	104°48'07.704"W	0.00	
516.00†	0.000	114.686	516.00	0.00	0.00	0.00	39°56'39.912"N	104°48'07.704"W	0.00	
616.00†	0.000	114.686	616.00	0.00	0.00	0.00	39°56'39.912"N	104°48'07.704"W	0.00	
716.00†	0.000	114.686	716.00	0.00	0.00	0.00	39°56'39.912"N	104°48'07.704"W	0.00	
816.00†	0.000	114.686	816.00	0.00	0.00	0.00	39°56'39.912"N	104°48'07.704"W	0.00	
882.00†	0.000	114.686	882.00	0.00	0.00	0.00	39°56'39.912"N	104°48'07.704"W	0.00	Fox Hills (Surface Csg)
916.00†	0.000	114.686	916.00	0.00	0.00	0.00	39°56'39.912"N	104°48'07.704"W	0.00	
1016.00†	0.000	114.686	1016.00	0.00	0.00	0.00	39°56'39.912"N	104°48'07.704"W	0.00	
1116.00†	0.000	114.686	1116.00	0.00	0.00	0.00	39°56'39.912"N	104°48'07.704"W	0.00	
1216.00†	0.000	114.686	1216.00	0.00	0.00	0.00	39°56'39.912"N	104°48'07.704"W	0.00	
1316.00†	0.000	114.686	1316.00	0.00	0.00	0.00	39°56'39.912"N	104°48'07.704"W	0.00	
1325.00	0.000	114.686	1325.00	0.00	0.00	0.00	39°56'39.912"N	104°48'07.704"W	0.00	End of Tangent
1416.00†	2.730	114.686	1415.97	-0.65	-0.91	1.97	39°56'39.903"N	104°48'07.679"W	3.00	
1516.00†	5.730	114.686	1515.68	-2.85	-3.99	8.67	39°56'39.873"N	104°48'07.593"W	3.00	
1616.00†	8.730	114.686	1614.88	-6.60	-9.24	20.10	39°56'39.821"N	104°48'07.446"W	3.00	
1716.00†	11.730	114.686	1713.27	-11.90	-16.66	36.24	39°56'39.747"N	104°48'07.239"W	3.00	
1738.11	12.393	114.686	1734.90	-13.28	-18.59	40.44	39°56'39.728"N	104°48'07.185"W	3.00	End of Build
1816.00†	12.393	114.686	1810.97	-18.26	-25.57	55.63	39°56'39.659"N	104°48'06.990"W	0.00	
1916.00†	12.393	114.686	1908.64	-24.67	-34.53	75.13	39°56'39.571"N	104°48'06.739"W	0.00	
2016.00†	12.393	114.686	2006.31	-31.07	-43.50	94.63	39°56'39.482"N	104°48'06.489"W	0.00	
2116.00†	12.393	114.686	2103.98	-37.47	-52.46	114.13	39°56'39.394"N	104°48'06.239"W	0.00	
2216.00†	12.393	114.686	2201.65	-43.87	-61.42	133.63	39°56'39.305"N	104°48'05.988"W	0.00	
2316.00†	12.393	114.686	2299.32	-50.28	-70.39	153.13	39°56'39.216"N	104°48'05.738"W	0.00	
2416.00†	12.393	114.686	2396.99	-56.68	-79.35	172.63	39°56'39.128"N	104°48'05.488"W	0.00	
2516.00†	12.393	114.686	2494.66	-63.08	-88.31	192.13	39°56'39.039"N	104°48'05.237"W	0.00	



Planned Wellpath Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0, CODELL) PWP
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

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
2616.00†	12.393	114.686	2592.33	-69.48	-97.28	211.63	39°56'38.951"N	104°48'04.987"W	0.00	
2716.00†	12.393	114.686	2690.00	-75.89	-106.24	231.13	39°56'38.862"N	104°48'04.736"W	0.00	
2816.00†	12.393	114.686	2787.67	-82.29	-115.20	250.64	39°56'38.774"N	104°48'04.486"W	0.00	
2916.00†	12.393	114.686	2885.34	-88.69	-124.17	270.14	39°56'38.685"N	104°48'04.236"W	0.00	
3016.00†	12.393	114.686	2983.01	-95.09	-133.13	289.64	39°56'38.596"N	104°48'03.985"W	0.00	
3116.00†	12.393	114.686	3080.68	-101.50	-142.09	309.14	39°56'38.508"N	104°48'03.735"W	0.00	
3216.00†	12.393	114.686	3178.35	-107.90	-151.06	328.64	39°56'38.419"N	104°48'03.485"W	0.00	
3316.00†	12.393	114.686	3276.02	-114.30	-160.02	348.14	39°56'38.331"N	104°48'03.234"W	0.00	
3416.00†	12.393	114.686	3373.69	-120.70	-168.98	367.64	39°56'38.242"N	104°48'02.984"W	0.00	
3516.00†	12.393	114.686	3471.36	-127.11	-177.95	387.14	39°56'38.153"N	104°48'02.733"W	0.00	
3616.00†	12.393	114.686	3569.03	-133.51	-186.91	406.64	39°56'38.065"N	104°48'02.483"W	0.00	
3716.00†	12.393	114.686	3666.70	-139.91	-195.87	426.14	39°56'37.976"N	104°48'02.233"W	0.00	
3816.00†	12.393	114.686	3764.37	-146.31	-204.84	445.64	39°56'37.888"N	104°48'01.982"W	0.00	
3916.00†	12.393	114.686	3862.04	-152.72	-213.80	465.14	39°56'37.799"N	104°48'01.732"W	0.00	
4016.00†	12.393	114.686	3959.70	-159.12	-222.76	484.65	39°56'37.711"N	104°48'01.482"W	0.00	
4116.00†	12.393	114.686	4057.37	-165.52	-231.73	504.15	39°56'37.622"N	104°48'01.231"W	0.00	
4216.00†	12.393	114.686	4155.04	-171.92	-240.69	523.65	39°56'37.533"N	104°48'00.981"W	0.00	
4316.00†	12.393	114.686	4252.71	-178.33	-249.65	543.15	39°56'37.445"N	104°48'00.730"W	0.00	
4416.00†	12.393	114.686	4350.38	-184.73	-258.62	562.65	39°56'37.356"N	104°48'00.480"W	0.00	
4516.00†	12.393	114.686	4448.05	-191.13	-267.58	582.15	39°56'37.268"N	104°48'00.230"W	0.00	
4616.00†	12.393	114.686	4545.72	-197.53	-276.54	601.65	39°56'37.179"N	104°47'59.979"W	0.00	
4716.00†	12.393	114.686	4643.39	-203.94	-285.51	621.15	39°56'37.090"N	104°47'59.729"W	0.00	
4816.00†	12.393	114.686	4741.06	-210.34	-294.47	640.65	39°56'37.002"N	104°47'59.479"W	0.00	
4916.00†	12.393	114.686	4838.73	-216.74	-303.43	660.15	39°56'36.913"N	104°47'59.228"W	0.00	
4919.35†	12.393	114.686	4842.00	-216.96	-303.73	660.81	39°56'36.910"N	104°47'59.220"W	0.00	Sussex / Shannon
5016.00†	12.393	114.686	4936.40	-223.14	-312.40	679.65	39°56'36.825"N	104°47'58.978"W	0.00	
5116.00†	12.393	114.686	5034.07	-229.55	-321.36	699.16	39°56'36.736"N	104°47'58.727"W	0.00	
5216.00†	12.393	114.686	5131.74	-235.95	-330.33	718.66	39°56'36.647"N	104°47'58.477"W	0.00	
5316.00†	12.393	114.686	5229.41	-242.35	-339.29	738.16	39°56'36.559"N	104°47'58.227"W	0.00	
5416.00†	12.393	114.686	5327.08	-248.75	-348.25	757.66	39°56'36.470"N	104°47'57.976"W	0.00	



Planned Wellpath Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

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
5516.00†	12.393	114.686	5424.75	-255.16	-357.22	777.16	39°56'36.382"N	104°47'57.726"W	0.00	
5616.00†	12.393	114.686	5522.42	-261.56	-366.18	796.66	39°56'36.293"N	104°47'57.476"W	0.00	
5716.00†	12.393	114.686	5620.09	-267.96	-375.14	816.16	39°56'36.205"N	104°47'57.225"W	0.00	
5816.00†	12.393	114.686	5717.76	-274.36	-384.11	835.66	39°56'36.116"N	104°47'56.975"W	0.00	
5916.00†	12.393	114.686	5815.43	-280.77	-393.07	855.16	39°56'36.027"N	104°47'56.725"W	0.00	
6016.00†	12.393	114.686	5913.10	-287.17	-402.03	874.66	39°56'35.939"N	104°47'56.474"W	0.00	
6116.00†	12.393	114.686	6010.77	-293.57	-411.00	894.16	39°56'35.850"N	104°47'56.224"W	0.00	
6216.00†	12.393	114.686	6108.44	-299.97	-419.96	913.66	39°56'35.762"N	104°47'55.973"W	0.00	
6316.00†	12.393	114.686	6206.11	-306.38	-428.92	933.17	39°56'35.673"N	104°47'55.723"W	0.00	
6416.00†	12.393	114.686	6303.78	-312.78	-437.89	952.67	39°56'35.584"N	104°47'55.473"W	0.00	
6516.00†	12.393	114.686	6401.45	-319.18	-446.85	972.17	39°56'35.496"N	104°47'55.222"W	0.00	
6616.00†	12.393	114.686	6499.12	-325.58	-455.81	991.67	39°56'35.407"N	104°47'54.972"W	0.00	
6716.00†	12.393	114.686	6596.79	-331.99	-464.78	1011.17	39°56'35.319"N	104°47'54.722"W	0.00	
6816.00†	12.393	114.686	6694.46	-338.39	-473.74	1030.67	39°56'35.230"N	104°47'54.471"W	0.00	
6916.00†	12.393	114.686	6792.13	-344.79	-482.70	1050.17	39°56'35.142"N	104°47'54.221"W	0.00	
7016.00†	12.393	114.686	6889.80	-351.19	-491.67	1069.67	39°56'35.053"N	104°47'53.971"W	0.00	
7116.00†	12.393	114.686	6987.47	-357.60	-500.63	1089.17	39°56'34.964"N	104°47'53.720"W	0.00	
7216.00†	12.393	114.686	7085.14	-364.00	-509.59	1108.67	39°56'34.876"N	104°47'53.470"W	0.00	
7226.04	12.393	114.686	7094.94	-364.64	-510.49	1110.63	39°56'34.867"N	104°47'53.445"W	0.00	End of Tangent
7316.00†	11.934	71.034	7183.06	-363.40	-511.50	1128.24	39°56'34.857"N	104°47'53.219"W	10.00	
7407.79†	17.196	40.290	7272.00	-347.78	-498.04	1146.02	39°56'34.990"N	104°47'52.990"W	10.00	Niobrara A Chalk
7416.00†	17.819	38.512	7279.83	-345.68	-496.13	1147.59	39°56'35.009"N	104°47'52.970"W	10.00	
7460.77†	21.444	30.654	7322.00	-332.30	-483.72	1156.03	39°56'35.131"N	104°47'52.862"W	10.00	Niobrara A Marl
7516.00†	26.266	23.962	7372.50	-311.30	-463.86	1166.15	39°56'35.328"N	104°47'52.732"W	10.00	
7596.24†	33.636	17.556	7442.00	-272.36	-426.38	1180.09	39°56'35.698"N	104°47'52.553"W	10.00	Niobrara B Chalk
7616.00†	35.490	16.353	7458.27	-261.31	-415.66	1183.35	39°56'35.804"N	104°47'52.511"W	10.00	
7665.04†	40.135	13.788	7497.00	-231.53	-386.64	1191.13	39°56'36.091"N	104°47'52.411"W	10.00	Niobrara B Marl
7716.00†	45.013	11.600	7534.52	-197.21	-353.01	1198.68	39°56'36.423"N	104°47'52.314"W	10.00	
7719.52†	45.351	11.463	7537.00	-194.72	-350.56	1199.17	39°56'36.447"N	104°47'52.308"W	10.00	Niobrara C Chalk
7789.27†	52.084	9.033	7583.00	-142.41	-299.01	1208.44	39°56'36.957"N	104°47'52.189"W	10.00	Niobrara C Marl



Planned Wellpath Report

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Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

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MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
7816.00†	54.676	8.220	7598.94	-120.96	-277.80	1211.65	39°56'37.166"N	104°47'52.147"W	10.00	
7916.00†	64.413	5.570	7649.57	-34.88	-192.32	1221.89	39°56'38.011"N	104°47'52.016"W	10.00	
8009.23†	73.528	3.467	7683.00	51.94	-105.66	1228.69	39°56'38.867"N	104°47'51.929"W	10.00	Fort Hays
8016.00†	74.190	3.323	7684.88	58.42	-99.18	1229.07	39°56'38.932"N	104°47'51.924"W	10.00	
8116.00†	83.989	1.286	7703.79	156.11	-1.19	1232.99	39°56'39.900"N	104°47'51.873"W	10.00	
8177.21†	89.991	0.082	7707.00	216.80	59.91	1233.72	39°56'40.504"N	104°47'51.864"W	10.00	Codell (Landing Zone)
8177.30	90.000	0.080	7707.00†	216.89	60.00	1233.72	39°56'40.505"N	104°47'51.864"W	10.00	End of 3D Arc (J)
8216.00†	90.000	0.080	7707.00	255.28	98.70	1233.77	39°56'40.887"N	104°47'51.863"W	0.00	
8316.00†	90.000	0.080	7707.00	354.48	198.70	1233.91	39°56'41.875"N	104°47'51.861"W	0.00	
8416.00†	90.000	0.080	7707.00	453.68	298.69	1234.05	39°56'42.864"N	104°47'51.860"W	0.00	
8516.00†	90.000	0.080	7707.00	552.88	398.69	1234.19	39°56'43.852"N	104°47'51.858"W	0.00	
8616.00†	90.000	0.080	7707.00	652.08	498.69	1234.33	39°56'44.840"N	104°47'51.856"W	0.00	
8716.00†	90.000	0.080	7707.00	751.28	598.69	1234.47	39°56'45.828"N	104°47'51.854"W	0.00	
8816.00†	90.000	0.080	7707.00	850.48	698.69	1234.61	39°56'46.816"N	104°47'51.852"W	0.00	
8916.00†	90.000	0.080	7707.00	949.68	798.69	1234.75	39°56'47.805"N	104°47'51.850"W	0.00	
9016.00†	90.000	0.080	7707.00	1048.88	898.69	1234.89	39°56'48.793"N	104°47'51.848"W	0.00	
9116.00†	90.000	0.080	7707.00	1148.09	998.69	1235.03	39°56'49.781"N	104°47'51.846"W	0.00	
9216.00†	90.000	0.080	7707.00	1247.29	1098.69	1235.17	39°56'50.769"N	104°47'51.845"W	0.00	
9316.00†	90.000	0.080	7707.00	1346.49	1198.69	1235.32	39°56'51.758"N	104°47'51.843"W	0.00	
9416.00†	90.000	0.080	7707.00	1445.69	1298.69	1235.46	39°56'52.746"N	104°47'51.841"W	0.00	
9516.00†	90.000	0.080	7707.00	1544.89	1398.69	1235.60	39°56'53.734"N	104°47'51.839"W	0.00	
9616.00†	90.000	0.080	7707.00	1644.09	1498.69	1235.74	39°56'54.722"N	104°47'51.837"W	0.00	
9716.00†	90.000	0.080	7707.00	1743.29	1598.69	1235.88	39°56'55.711"N	104°47'51.835"W	0.00	
9816.00†	90.000	0.080	7707.00	1842.49	1698.69	1236.02	39°56'56.699"N	104°47'51.833"W	0.00	
9916.00†	90.000	0.080	7707.00	1941.69	1798.69	1236.16	39°56'57.687"N	104°47'51.832"W	0.00	
10016.00†	90.000	0.080	7707.00	2040.89	1898.69	1236.30	39°56'58.675"N	104°47'51.830"W	0.00	
10116.00†	90.000	0.080	7707.00	2140.09	1998.69	1236.44	39°56'59.664"N	104°47'51.828"W	0.00	
10216.00†	90.000	0.080	7707.00	2239.29	2098.69	1236.58	39°57'00.652"N	104°47'51.826"W	0.00	
10316.00†	90.000	0.080	7707.00	2338.50	2198.69	1236.72	39°57'01.640"N	104°47'51.824"W	0.00	
10416.00†	90.000	0.080	7707.00	2437.70	2298.69	1236.86	39°57'02.628"N	104°47'51.822"W	0.00	



Planned Wellpath Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

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
10516.00†	90.000	0.080	7707.00	2536.90	2398.69	1237.00	39°57'03.617"N	104°47'51.820"W	0.00	
10616.00†	90.000	0.080	7707.00	2636.10	2498.69	1237.14	39°57'04.605"N	104°47'51.818"W	0.00	
10716.00†	90.000	0.080	7707.00	2735.30	2598.69	1237.28	39°57'05.593"N	104°47'51.817"W	0.00	
10816.00†	90.000	0.080	7707.00	2834.50	2698.69	1237.42	39°57'06.581"N	104°47'51.815"W	0.00	
10916.00†	90.000	0.080	7707.00	2933.70	2798.69	1237.56	39°57'07.570"N	104°47'51.813"W	0.00	
11016.00†	90.000	0.080	7707.00	3032.90	2898.69	1237.70	39°57'08.558"N	104°47'51.811"W	0.00	
11116.00†	90.000	0.080	7707.00	3132.10	2998.69	1237.84	39°57'09.546"N	104°47'51.809"W	0.00	
11216.00†	90.000	0.080	7707.00	3231.30	3098.69	1237.98	39°57'10.534"N	104°47'51.807"W	0.00	
11316.00†	90.000	0.080	7707.00	3330.50	3198.69	1238.12	39°57'11.522"N	104°47'51.805"W	0.00	
11416.00†	90.000	0.080	7707.00	3429.70	3298.69	1238.26	39°57'12.511"N	104°47'51.804"W	0.00	
11516.00†	90.000	0.080	7707.00	3528.90	3398.69	1238.40	39°57'13.499"N	104°47'51.802"W	0.00	
11616.00†	90.000	0.080	7707.00	3628.11	3498.69	1238.55	39°57'14.487"N	104°47'51.800"W	0.00	
11716.00†	90.000	0.080	7707.00	3727.31	3598.69	1238.69	39°57'15.475"N	104°47'51.798"W	0.00	
11816.00†	90.000	0.080	7707.00	3826.51	3698.69	1238.83	39°57'16.464"N	104°47'51.796"W	0.00	
11916.00†	90.000	0.080	7707.00	3925.71	3798.69	1238.97	39°57'17.452"N	104°47'51.794"W	0.00	
12016.00†	90.000	0.080	7707.00	4024.91	3898.69	1239.11	39°57'18.440"N	104°47'51.792"W	0.00	
12116.00†	90.000	0.080	7707.00	4124.11	3998.69	1239.25	39°57'19.428"N	104°47'51.790"W	0.00	
12216.00†	90.000	0.080	7707.00	4223.31	4098.69	1239.39	39°57'20.417"N	104°47'51.789"W	0.00	
12316.00†	90.000	0.080	7707.00	4322.51	4198.69	1239.53	39°57'21.405"N	104°47'51.787"W	0.00	
12416.00†	90.000	0.080	7707.00	4421.71	4298.69	1239.67	39°57'22.393"N	104°47'51.785"W	0.00	
12516.00†	90.000	0.080	7707.00	4520.91	4398.69	1239.81	39°57'23.381"N	104°47'51.783"W	0.00	
12616.00†	90.000	0.080	7707.00	4620.11	4498.69	1239.95	39°57'24.370"N	104°47'51.781"W	0.00	
12716.00†	90.000	0.080	7707.00	4719.31	4598.69	1240.09	39°57'25.358"N	104°47'51.779"W	0.00	
12816.00†	90.000	0.080	7707.00	4818.52	4698.69	1240.23	39°57'26.346"N	104°47'51.777"W	0.00	
12916.00†	90.000	0.080	7707.00	4917.72	4798.69	1240.37	39°57'27.334"N	104°47'51.776"W	0.00	
12995.94†	90.000	0.080	7707.00	4997.02	4878.63	1240.48	39°57'28.124"N	104°47'51.774"W	0.00	Codell (Landing Zone)
13016.00†	90.000	0.080	7707.00	5016.92	4898.69	1240.51	39°57'28.323"N	104°47'51.774"W	0.00	
13116.00†	90.000	0.080	7707.00	5116.12	4998.69	1240.65	39°57'29.311"N	104°47'51.772"W	0.00	
13216.00†	90.000	0.080	7707.00	5215.32	5098.69	1240.79	39°57'30.299"N	104°47'51.770"W	0.00	
13316.00†	90.000	0.080	7707.00	5314.52	5198.69	1240.93	39°57'31.287"N	104°47'51.768"W	0.00	



Planned Wellpath Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0, CODELL) PWP
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

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
13416.00†	90.000	0.080	7707.00	5413.72	5298.69	1241.07	39°57'32.276"N	104°47'51.766"W	0.00	
13516.00†	90.000	0.080	7707.00	5512.92	5398.69	1241.21	39°57'33.264"N	104°47'51.764"W	0.00	
13616.00†	90.000	0.080	7707.00	5612.12	5498.69	1241.35	39°57'34.252"N	104°47'51.762"W	0.00	
13716.00†	90.000	0.080	7707.00	5711.32	5598.69	1241.49	39°57'35.240"N	104°47'51.761"W	0.00	
13816.00†	90.000	0.080	7707.00	5810.52	5698.69	1241.64	39°57'36.228"N	104°47'51.759"W	0.00	
13916.00†	90.000	0.080	7707.00	5909.72	5798.69	1241.78	39°57'37.217"N	104°47'51.757"W	0.00	
14016.00†	90.000	0.080	7707.00	6008.92	5898.69	1241.92	39°57'38.205"N	104°47'51.755"W	0.00	
14116.00†	90.000	0.080	7707.00	6108.13	5998.69	1242.06	39°57'39.193"N	104°47'51.753"W	0.00	
14216.00†	90.000	0.080	7707.00	6207.33	6098.69	1242.20	39°57'40.181"N	104°47'51.751"W	0.00	
14316.00†	90.000	0.080	7707.00	6306.53	6198.69	1242.34	39°57'41.170"N	104°47'51.749"W	0.00	
14416.00†	90.000	0.080	7707.00	6405.73	6298.69	1242.48	39°57'42.158"N	104°47'51.747"W	0.00	
14516.00†	90.000	0.080	7707.00	6504.93	6398.69	1242.62	39°57'43.146"N	104°47'51.746"W	0.00	
14616.00†	90.000	0.080	7707.00	6604.13	6498.69	1242.76	39°57'44.134"N	104°47'51.744"W	0.00	
14716.00†	90.000	0.080	7707.00	6703.33	6598.69	1242.90	39°57'45.123"N	104°47'51.742"W	0.00	
14816.00†	90.000	0.080	7707.00	6802.53	6698.69	1243.04	39°57'46.111"N	104°47'51.740"W	0.00	
14916.00†	90.000	0.080	7707.00	6901.73	6798.69	1243.18	39°57'47.099"N	104°47'51.738"W	0.00	
15016.00†	90.000	0.080	7707.00	7000.93	6898.69	1243.32	39°57'48.087"N	104°47'51.736"W	0.00	
15116.00†	90.000	0.080	7707.00	7100.13	6998.69	1243.46	39°57'49.076"N	104°47'51.734"W	0.00	
15216.00†	90.000	0.080	7707.00	7199.33	7098.69	1243.60	39°57'50.064"N	104°47'51.733"W	0.00	
15316.00†	90.000	0.080	7707.00	7298.54	7198.69	1243.74	39°57'51.052"N	104°47'51.731"W	0.00	
15416.00†	90.000	0.080	7707.00	7397.74	7298.69	1243.88	39°57'52.040"N	104°47'51.729"W	0.00	
15516.00†	90.000	0.080	7707.00	7496.94	7398.69	1244.02	39°57'53.029"N	104°47'51.727"W	0.00	
15616.00†	90.000	0.080	7707.00	7596.14	7498.69	1244.16	39°57'54.017"N	104°47'51.725"W	0.00	
15716.00†	90.000	0.080	7707.00	7695.34	7598.69	1244.30	39°57'55.005"N	104°47'51.723"W	0.00	
15816.00†	90.000	0.080	7707.00	7794.54	7698.69	1244.44	39°57'55.993"N	104°47'51.721"W	0.00	
15916.00†	90.000	0.080	7707.00	7893.74	7798.69	1244.58	39°57'56.982"N	104°47'51.719"W	0.00	
16016.00†	90.000	0.080	7707.00	7992.94	7898.69	1244.73	39°57'57.970"N	104°47'51.718"W	0.00	
16116.00†	90.000	0.080	7707.00	8092.14	7998.69	1244.87	39°57'58.958"N	104°47'51.716"W	0.00	
16216.00†	90.000	0.080	7707.00	8191.34	8098.69	1245.01	39°57'59.946"N	104°47'51.714"W	0.00	
16316.00†	90.000	0.080	7707.00	8290.54	8198.69	1245.15	39°58'00.934"N	104°47'51.712"W	0.00	



Planned Wellpath Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0, CODELL) PWP
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

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
16416.00†	90.000	0.080	7707.00	8389.74	8298.69	1245.29	39°58'01.923"N	104°47'51.710"W	0.00	
16516.00†	90.000	0.080	7707.00	8488.94	8398.69	1245.43	39°58'02.911"N	104°47'51.708"W	0.00	
16616.00†	90.000	0.080	7707.00	8588.15	8498.69	1245.57	39°58'03.899"N	104°47'51.706"W	0.00	
16716.00†	90.000	0.080	7707.00	8687.35	8598.69	1245.71	39°58'04.887"N	104°47'51.705"W	0.00	
16816.00†	90.000	0.080	7707.00	8786.55	8698.69	1245.85	39°58'05.876"N	104°47'51.703"W	0.00	
16916.00†	90.000	0.080	7707.00	8885.75	8798.69	1245.99	39°58'06.864"N	104°47'51.701"W	0.00	
17016.00†	90.000	0.080	7707.00	8984.95	8898.69	1246.13	39°58'07.852"N	104°47'51.699"W	0.00	
17116.00†	90.000	0.080	7707.00	9084.15	8998.69	1246.27	39°58'08.840"N	104°47'51.697"W	0.00	
17216.00†	90.000	0.080	7707.00	9183.35	9098.69	1246.41	39°58'09.829"N	104°47'51.695"W	0.00	
17316.00†	90.000	0.080	7707.00	9282.55	9198.69	1246.55	39°58'10.817"N	104°47'51.693"W	0.00	
17416.00†	90.000	0.080	7707.00	9381.75	9298.69	1246.69	39°58'11.805"N	104°47'51.691"W	0.00	
17516.00†	90.000	0.080	7707.00	9480.95	9398.69	1246.83	39°58'12.793"N	104°47'51.690"W	0.00	
17616.00†	90.000	0.080	7707.00	9580.15	9498.69	1246.97	39°58'13.782"N	104°47'51.688"W	0.00	
17716.00†	90.000	0.080	7707.00	9679.35	9598.69	1247.11	39°58'14.770"N	104°47'51.686"W	0.00	
17814.58	90.000	0.080	7707.00 ²	9777.15	9697.26	1247.25	39°58'15.744"N	104°47'51.684"W	0.00	End of Tangent (J)

HOLE & CASING SECTIONS

- Ref Wellbore: BRIGHTON LAKES 20-17-1CDH PWB Ref Wellpath: BRIGHTON LAKES 20-17-1CDH (REV-B.0, CODELL) 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]
13.5in Open Hole	16.00	882.00	866.00	16.00	882.00	0.00	0.00	0.00	0.00
9.625in Casing Surface	16.00	882.00	866.00	16.00	882.00	0.00	0.00	0.00	0.00
8.5in Open Hole	882.00	17814.58	16932.58	882.00	7707.00	0.00	0.00	9697.26	1247.25



Planned Wellpath Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SEC.17-T1S-R66W		0.00	0.00	0.00	3195665.30	1223370.47	39°56'39.912"N	104°48'07.704"W	polygon
SEC.17/20-T1S-R66W HARDLINES (460' SETBACKS)		0.00	0.00	0.00	3195665.30	1223370.47	39°56'39.912"N	104°48'07.704"W	polygon
SEC.20-T1S-R66W		0.00	0.00	0.00	3195665.30	1223370.47	39°56'39.912"N	104°48'07.704"W	polygon
BRIGHTON LAKES 20-17-1CDH BHL (CODELL, 460'FNL& 1874'FEL,SEC.17,REV-1)		7707.00	9697.26	1236.04	3196824.95	1233076.86	39°58'15.744"N	104°47'51.828"W	point
2) BRIGHTON LAKES 20-17-1CDH BHL REV-2 (CODELL, 460'FNL& 2200'FEL,SEC.17)	17814.58	7707.00	9697.26	1247.25	3196836.16	1233076.95	39°58'15.744"N	104°47'51.684"W	point
BRIGHTON LAKES 20-17-1CDH LP (CODELL, 460'FSL& 1874'FEL,SEC.20,REV-1)		7707.00	58.32	1225.30	3196890.07	1223438.43	39°56'40.488"N	104°47'51.972"W	point
1) BRIGHTON LAKES 20-17-1CDH LP REV-2 (CODELL, 460'FSL& 2000'FEL,SEC.20)	8177.30	7707.00	60.00	1233.72	3196898.47	1223440.18	39°56'40.505"N	104°47'51.864"W	point

SURVEY PROGRAM -

Ref Wellbore: BRIGHTON LAKES 20-17-1CDH PWB Ref Wellpath: BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
16.00	882.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		BRIGHTON LAKES 20-17- 1CDH PWB
882.00	17816.41	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)		BRIGHTON LAKES 20-17- 1CDH PWB



Planned Wellpath Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
882.00	0.000	114.686	882.00	Fox Hills (Surface Csg)
4919.35	12.393	114.686	4842.00	Sussex / Shannon
7407.79	17.196	40.290	7272.00	Niobrara A Chalk
7460.77	21.444	30.654	7322.00	Niobrara A Marl
7596.24	33.636	17.556	7442.00	Niobrara B Chalk
7665.04	40.135	13.788	7497.00	Niobrara B Marl
7719.52	45.351	11.463	7537.00	Niobrara C Chalk
7789.27	52.084	9.033	7583.00	Niobrara C Marl
8009.23	73.528	3.467	7683.00	Fort Hays
8177.21	89.991	0.082	7707.00	Codell (Landing Zone)
12995.94	90.000	0.080	7707.00	Codell (Landing Zone)

DESIGN COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
16.00	0.000	114.686	16.00	Tie On
1325.00	0.000	114.686	1325.00	End of Tangent
1738.11	12.393	114.686	1734.90	End of Build
7226.04	12.393	114.686	7094.94	End of Tangent
8177.30	90.000	0.080	7707.00	End of 3D Arc (J)
17814.58	90.000	0.080	7707.00	End of Tangent (J)



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

REPORT SETUP INFORMATION			
Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 5.1
North Reference	True	User	Ingmjmr
Scale	0.999971	Report Generated	8/10/2017 at 2:39:02 PM
Convergence at slot	0.45° East	Database/Source file	WA_DEN_Denver_Defn/BRIGHTON_LAKES_20-17-1CDH__REV-B.0_CODELL__PWP_CR.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	3195665.30	1223370.47	39°56'39.912"N	104°48'07.704"W
Facility Reference Pt			3195665.30	1223370.47	39°56'39.912"N	104°48'07.704"W
Field Reference Pt			3175478.75	1240632.48	39°59'31.992"N	104°52'25.320"W

WELLPATH DATUM			
Calculation method	Minimum Curvature	RIG (16' RKB) (RT) to Facility Vertical Datum	5063.00ft
Horizontal Reference Pt	Slot	RIG (16' RKB) (RT) to Mean Sea Level	5063.00ft
Vertical Reference Pt	RIG (16' RKB) (RT)	RIG (16' RKB) (RT) to Mud Line at Slot (SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20))	5063.00ft
MD Reference Pt	RIG (16' RKB) (RT)		
Field Vertical Reference	Mean Sea Level		

POSITIONAL UNCERTAINTY CALCULATION SETTINGS					
Ellipse Confidence Limit	3.00 Std Dev	Ellipse Start MD	16.00ft	Surface Position Uncertainty	included
Declination	8.40° East of TN	Dip Angle	66.53°	Mag Field Strength	52183 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					



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

ANTI-COLLISION RULE			
Rule Name	Baker Hughes Stop Drilling (offset is HSE risk)	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: BRIGHTON LAKES 20-17-1CDH PWB Ref Wellpath: BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) 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]
13.5in Open Hole	16.00	882.00	866.00	16.00	882.00	0.00	0.00	0.00	0.00
9.625in Casing Surface	16.00	882.00	866.00	16.00	882.00	0.00	0.00	0.00	0.00
8.5in Open Hole	882.00	17814.58	16932.58	882.00	7707.00	0.00	0.00	9697.26	1247.25

SURVEY PROGRAM - Ref Wellbore: BRIGHTON LAKES 20-17-1CDH PWB Ref Wellpath: BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
16.00	882.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		BRIGHTON LAKES 20-17-1CDH PWB
882.00	17816.41	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)		BRIGHTON LAKES 20-17-1CDH PWB



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CALCULATION RANGE & CUTOFF

From: 16.00ft MD	To: 17814.58ft MD	C-C Cutoff: 1000.00 ft
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OFFSET WELL CLEARANCE SUMMARY (10 Offset Wellpaths selected) Ratios are calculated in Closest Approach plane

Offset Facility	Offset Slot	Offset Well	Offset Wellbore	Offset Wellpath	C-C Clearance Distance			ACR 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]	ACR Status
SEC.20-T01S-R66W	SLOT#02 BRIGHTON LAKES 20-17-1NCH (400'FSL & 1889'FWL, SEC.20)	BRIGHTON LAKES 20-17-1NCH	BRIGHTON LAKES 20-17-1NCH PWB	BRIGHTON LAKES 20-17-1NCH (REV-A.0, NIO C CK) PWP	16.00	14.02	17814.58	17814.58	0.53	17814.58	FAIL
SEC.20-T01S-R66W	SLOT#03 BRIGHTON LAKES 20-17-1NBH (400'FSL & 1904'FWL, SEC.20)	BRIGHTON LAKES 20-17-1NBH	BRIGHTON LAKES 20-17-1NBH PWB	BRIGHTON LAKES 20-17-1NBH (NIO B CK, REV-A.0) PWP	16.00	30.84	17814.58	17814.58	0.96	17814.58	FAIL
SEC.20-T01S-R66W	SLOT#04 BRIGHTON LAKES 20-17-1NAH (400'FSL & 1919'FWL, SEC.20)	BRIGHTON LAKES 20-17-1NAH	BRIGHTON LAKES 20-17-1NAH PWB	BRIGHTON LAKES 20-17-1NAH (REV-A.0,NIO A CK,) PWP	16.00	44.86	17814.58	17814.58	1.51	17814.58	PASS
SEC.20-T01S-R66W	SLOT#05 BRIGHTON LAKES 20-17-2NBH (400'FSL & 1934'FWL, SEC.20)	BRIGHTON LAKES 20-17-2NBH	BRIGHTON LAKES 20-17-2NBH PWB	BRIGHTON LAKES 20-17-2NBH (NIO B CK, REV-A.0) PWP	16.00	58.88	17814.58	17814.58	1.63	17814.58	PASS
SEC.20-T01S-R66W	SLOT#06 BRIGHTON LAKES 20-17-2NCH (400'FSL & 1949'FWL, SEC.20)	BRIGHTON LAKES 20-17-2NCH	BRIGHTON LAKES 20-17-2NCH PWB	BRIGHTON LAKES 20-17-2NCH (REV-A.0, NIO C CK)	16.00	75.71	17814.58	17814.58	1.94	17814.58	PASS
SEC.20-T01S-R66W	SLOT#07 BRIGHTON LAKES 20-17-3NBH (400'FSL & 1964'FWL, SEC.20)	BRIGHTON LAKES 20-17-3NBH	BRIGHTON LAKES 20-17-3NBH PWB	BRIGHTON LAKES 20-17-3NBH (NIO B CK, REV-A.0) PWP	16.00	89.72	17814.58	17814.58	2.36	17814.58	PASS
SEC.20-T01S-R66W	SLOT#08 BRIGHTON LAKES 20-17-2CDH (400'FSL & 1980'FWL, SEC.20)	BRIGHTON LAKES 20-17-2CDH	BRIGHTON LAKES 20-17-2CDH PWB	BRIGHTON LAKES 20-17-2CDH (CODELL, REV-A.0) PWP	16.00	103.74	17814.58	17814.58	2.71	17814.58	PASS
SEC.17-T01S-R66W	SLOT#02 EX. CASE#1 (990'FNL & 990'FEL,SEC.17,PA,TD8237'MD)	CASE#1	CASE#1 AWB	CASE#1 AWP	17231.63	1183.82	17231.63	17367.92	3.56	17367.92	PASS
SEC.17-T01S-R66W	SLOT#01 EX. TASHIRO-UPRR#1 (1160'FSL & 1221'FWL,SEC.17,PA,TD@8225')	TASHIRO-UPRR#1	TASHIRO-UPRR#1 AWB	TASHIRO-UPRR#1 AWP	14078.50	2057.84	14078.50	14216.00	8.90	14216.00	PASS
SEC.20-T01S-R66W	SLOT#01 EX. DAVIS #1 (1327'FSL & 1629'FWL,SEC.20,PA,TD@8234	DAVIS #1	DAVIS #1 AWB	DAVIS #1 AWP	1077.88	895.11	8916.00	8567.08	16.45	9116.00	PASS



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-1NCH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NCH (REV-A.0, NIO C CK) PWP

Facility: SEC.20-T01S-R66W Slot: SLOT#02 BRIGHTON LAKES 20-17-1NCH (400'FSL & 1889'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-1NCH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
16.00	16.00	0.00	0.00	16.00	16.00	0.00	14.02	90.00	14.02	1.56	21.76	PASS
116.00†	116.00	0.00	0.00	116.00	116.00	0.00	14.02	90.00	14.02	1.89	14.05	PASS
216.00†	216.00	0.00	0.00	216.00	216.00	0.00	14.02	90.00	14.02	2.47	8.68	PASS
316.00†	316.00	0.00	0.00	316.00	316.00	0.00	14.02	90.00	14.02	3.07	6.18	PASS
416.00†	416.00	0.00	0.00	416.00	416.00	0.00	14.02	90.00	14.02	3.69	4.79	PASS
516.00†	516.00	0.00	0.00	516.00	516.00	0.00	14.02	90.00	14.02	4.31	3.90	PASS
616.00†	616.00	0.00	0.00	616.00	616.00	0.00	14.02	90.00	14.02	4.93	3.29	PASS
716.00†	716.00	0.00	0.00	716.00	716.00	0.00	14.02	90.00	14.02	5.56	2.84	PASS
816.00†	816.00	0.00	0.00	816.00	816.00	0.00	14.02	90.00	14.02	6.18	2.50	PASS
916.00†	916.00	0.00	0.00	916.00	916.00	0.00	14.02	90.00	14.02	6.25	2.40	PASS
1016.00†	1016.00	0.00	0.00	1016.00	1016.00	0.00	14.02	90.00	14.02	6.39	2.34	PASS
1116.00†	1116.00	0.00	0.00	1116.00	1116.00	0.00	14.02	90.00	14.02	6.72	2.22	PASS
1216.00†	1216.00	0.00	0.00	1216.00	1216.00	0.00	14.02	90.00	14.02	7.19	2.05	PASS
1316.00†	1316.00	0.00	0.00	1315.72	1315.71	-0.16	14.42	90.63	14.43	7.80	1.93	PASS
1325.00	1325.00	0.00	0.00	1324.65	1324.64	-0.23	14.62	90.92	14.63	7.88	1.94	PASS
1416.00†	1415.97	-0.91	1.97	1414.91	1414.79	-1.86	18.79	-21.40	16.89	8.88	1.98	PASS
1516.00†	1515.68	-3.99	8.67	1513.98	1513.36	-5.41	27.94	-20.31	19.46	10.80	1.86	PASS
1616.00†	1614.88	-9.24	20.10	1612.92	1611.16	-10.80	41.81	-20.27	22.08	12.58	1.80	PASS
1716.00†	1713.27	-16.66	36.24	1711.72	1707.93	-18.02	60.36	-20.94	24.74	14.18	1.78	PASS
1738.11	1734.90	-18.59	40.44	1733.56	1729.16	-19.85	65.08	-21.16	25.33	14.45	1.79	PASS
1816.00†	1810.97	-25.57	55.63	1811.06	1804.23	-26.84	83.04	-21.39	28.26	15.10	1.91	PASS
1916.00†	1908.64	-34.53	75.13	1910.98	1900.96	-35.92	106.40	-21.50	32.23	15.92	2.07	PASS
2016.00†	2006.31	-43.50	94.63	2010.90	1997.69	-45.00	129.75	-21.59	36.20	16.79	2.21	PASS
2116.00†	2103.98	-52.46	114.13	2110.82	2094.42	-54.08	153.10	-21.65	40.16	17.71	2.32	PASS
2216.00†	2201.65	-61.42	133.63	2210.75	2191.15	-63.16	176.46	-21.71	44.13	18.69	2.42	PASS
2316.00†	2299.32	-70.39	153.13	2310.67	2287.88	-72.24	199.81	-21.76	48.10	19.68	2.50	PASS
2416.00†	2396.99	-79.35	172.63	2410.59	2384.60	-81.32	223.17	-21.80	52.07	20.71	2.57	PASS
2516.00†	2494.66	-88.31	192.13	2510.51	2481.33	-90.39	246.52	-21.83	56.04	21.77	2.63	PASS
2616.00†	2592.33	-97.28	211.63	2610.43	2578.06	-99.47	269.87	-21.86	60.00	22.85	2.68	PASS
2716.00†	2690.00	-106.24	231.13	2710.35	2674.79	-108.55	293.23	-21.89	63.97	23.95	2.72	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-1NCH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NCH (REV-A.0, NIO C CK) PWP

Facility: SEC.20-T01S-R66W Slot: SLOT#02 BRIGHTON LAKES 20-17-1NCH (400'FSL & 1889'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-1NCH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2816.00†	2787.67	-115.20	250.64	2810.27	2771.52	-117.63	316.58	-21.91	67.94	25.07	2.76	PASS
2916.00†	2885.34	-124.17	270.14	2910.19	2868.25	-126.71	339.94	-21.93	71.91	26.20	2.79	PASS
3016.00†	2983.01	-133.13	289.64	3010.12	2964.97	-135.79	363.29	-21.95	75.88	27.35	2.82	PASS
3116.00†	3080.68	-142.09	309.14	3110.04	3061.70	-144.87	386.65	-21.97	79.84	28.50	2.85	PASS
3216.00†	3178.35	-151.06	328.64	3209.96	3158.43	-153.95	410.00	-21.98	83.81	29.67	2.87	PASS
3316.00†	3276.02	-160.02	348.14	3309.88	3255.16	-163.03	433.35	-21.99	87.78	30.85	2.89	PASS
3416.00†	3373.69	-168.98	367.64	3409.80	3351.89	-172.11	456.71	-22.01	91.75	32.03	2.91	PASS
3516.00†	3471.36	-177.95	387.14	3509.72	3448.62	-181.19	480.06	-22.02	95.72	33.22	2.92	PASS
3616.00†	3569.03	-186.91	406.64	3609.64	3545.35	-190.27	503.42	-22.03	99.69	34.41	2.94	PASS
3716.00†	3666.70	-195.87	426.14	3709.56	3642.07	-199.35	526.77	-22.04	103.65	35.61	2.95	PASS
3816.00†	3764.37	-204.84	445.64	3809.49	3738.80	-208.43	550.12	-22.05	107.62	36.82	2.96	PASS
3916.00†	3862.04	-213.80	465.14	3909.41	3835.53	-217.51	573.48	-22.06	111.59	38.03	2.97	PASS
4016.00†	3959.70	-222.76	484.65	4009.33	3932.26	-226.59	596.83	-22.06	115.56	39.24	2.98	PASS
4116.00†	4057.37	-231.73	504.15	4109.25	4028.99	-235.67	620.19	-22.07	119.53	40.46	2.99	PASS
4216.00†	4155.04	-240.69	523.65	4209.17	4125.72	-244.75	643.54	-22.08	123.49	41.68	3.00	PASS
4316.00†	4252.71	-249.65	543.15	4309.09	4222.44	-253.83	666.89	-22.08	127.46	42.90	3.00	PASS
4416.00†	4350.38	-258.62	562.65	4409.01	4319.17	-262.91	690.25	-22.09	131.43	44.13	3.01	PASS
4516.00†	4448.05	-267.58	582.15	4508.93	4415.90	-271.99	713.60	-22.10	135.40	45.36	3.02	PASS
4616.00†	4545.72	-276.54	601.65	4608.86	4512.63	-281.07	736.96	-22.10	139.37	46.59	3.02	PASS
4716.00†	4643.39	-285.51	621.15	4708.78	4609.36	-290.15	760.31	-22.11	143.34	47.82	3.03	PASS
4816.00†	4741.06	-294.47	640.65	4808.70	4706.09	-299.23	783.67	-22.11	147.30	49.06	3.03	PASS
4916.00†	4838.73	-303.43	660.15	4908.62	4802.82	-308.31	807.02	-22.12	151.27	50.30	3.04	PASS
5016.00†	4936.40	-312.40	679.65	5008.54	4899.54	-317.39	830.37	-22.12	155.24	51.54	3.04	PASS
5116.00†	5034.07	-321.36	699.16	5108.46	4996.27	-326.47	853.73	-22.12	159.21	52.78	3.04	PASS
5216.00†	5131.74	-330.33	718.66	5208.38	5093.00	-335.55	877.08	-22.13	163.18	54.02	3.05	PASS
5316.00†	5229.41	-339.29	738.16	5308.30	5189.73	-344.63	900.44	-22.13	167.15	55.26	3.05	PASS
5416.00†	5327.08	-348.25	757.66	5408.22	5286.46	-353.71	923.79	-22.13	171.11	56.51	3.05	PASS
5516.00†	5424.75	-357.22	777.16	5508.15	5383.19	-362.79	947.14	-22.14	175.08	57.75	3.06	PASS
5616.00†	5522.42	-366.18	796.66	5608.07	5479.91	-371.87	970.50	-22.14	179.05	59.00	3.06	PASS
5716.00†	5620.09	-375.14	816.16	5707.99	5576.64	-380.95	993.85	-22.14	183.02	60.25	3.06	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-1NCH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NCH (REV-A.0, NIO C CK) PWP

Facility: SEC.20-T01S-R66W Slot: SLOT#02 BRIGHTON LAKES 20-17-1NCH (400'FSL & 1889'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-1NCH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5816.00†	5717.76	-384.11	835.66	5807.91	5673.37	-390.03	1017.21	-22.15	186.99	61.50	3.06	PASS
5916.00†	5815.43	-393.07	855.16	5907.83	5770.10	-399.11	1040.56	-22.15	190.95	62.75	3.07	PASS
6016.00†	5913.10	-402.03	874.66	6007.75	5866.83	-408.19	1063.91	-22.15	194.92	64.00	3.07	PASS
6116.00†	6010.77	-411.00	894.16	6107.67	5963.56	-417.27	1087.27	-22.16	198.89	65.25	3.07	PASS
6216.00†	6108.44	-419.96	913.66	6207.59	6060.29	-426.35	1110.62	-22.16	202.86	66.51	3.07	PASS
6316.00†	6206.11	-428.92	933.17	6307.52	6157.01	-435.43	1133.98	-22.16	206.83	67.76	3.07	PASS
6416.00†	6303.78	-437.89	952.67	6407.44	6253.74	-444.51	1157.33	-22.16	210.80	69.01	3.08	PASS
6516.00†	6401.45	-446.85	972.17	6507.36	6350.47	-453.59	1180.68	-22.16	214.76	70.27	3.08	PASS
6616.00†	6499.12	-455.81	991.67	6607.28	6447.20	-462.67	1204.04	-22.17	218.73	71.52	3.08	PASS
6716.00†	6596.79	-464.78	1011.17	6707.20	6543.93	-471.75	1227.39	-22.17	222.70	72.78	3.08	PASS
6816.00†	6694.46	-473.74	1030.67	6807.12	6640.66	-480.83	1250.75	-22.17	226.67	74.04	3.08	PASS
6916.00†	6792.13	-482.70	1050.17	6907.04	6737.38	-489.91	1274.10	-22.17	230.64	75.29	3.08	PASS
7016.00†	6889.80	-491.67	1069.67	7006.96	6834.11	-498.99	1297.46	-22.17	234.61	76.55	3.08	PASS
7116.00†	6987.47	-500.63	1089.17	7106.89	6930.84	-508.07	1320.81	-22.18	238.57	77.81	3.09	PASS
7216.00†	7085.14	-509.59	1108.67	7207.12	7028.15	-509.10	1344.31	-24.09	242.43	79.93	3.05	PASS
7226.04	7094.94	-510.49	1110.63	7216.97	7037.68	-508.25	1346.62	-24.49	242.85	80.29	3.04	PASS
7316.00†	7183.06	-511.50	1128.24	7303.76	7120.74	-493.58	1366.70	14.20	247.13	82.97	3.00	PASS
7416.00†	7279.83	-496.13	1147.59	7397.67	7207.07	-463.38	1387.60	41.54	252.93	84.59	3.01	PASS
7516.00†	7372.50	-463.86	1166.15	7489.26	7285.53	-420.36	1406.62	51.33	259.38	85.57	3.05	PASS
7616.00†	7458.27	-415.66	1183.35	7578.87	7354.91	-366.34	1423.45	54.65	266.01	84.96	3.15	PASS
7716.00†	7534.52	-353.01	1198.68	7666.87	7414.26	-303.11	1437.88	55.59	272.34	83.46	3.28	PASS
7816.00†	7598.94	-277.80	1211.65	7753.58	7462.87	-232.39	1449.72	55.63	277.95	81.53	3.43	PASS
7916.00†	7649.57	-192.32	1221.89	7839.31	7500.18	-155.83	1458.84	55.38	282.48	79.71	3.57	PASS
8016.00†	7684.88	-99.18	1229.07	7924.36	7525.83	-75.07	1465.15	55.12	285.67	78.56	3.66	PASS
8116.00†	7703.79	-1.19	1232.99	8009.00	7539.55	8.30	1468.58	54.98	287.34	78.51	3.68	PASS
8177.30	7707.00	60.00	1233.72	8060.81	7542.00	60.03	1469.24	54.99	287.57	79.05	3.66	PASS
8216.00†	7707.00	98.70	1233.77	8099.15	7542.00	98.37	1469.29	54.99	287.57	79.48	3.64	PASS
8316.00†	7707.00	198.70	1233.91	8199.15	7542.00	198.37	1469.43	54.99	287.57	80.85	3.58	PASS
8416.00†	7707.00	298.69	1234.05	8299.15	7542.00	298.37	1469.57	54.99	287.57	82.60	3.50	PASS
8516.00†	7707.00	398.69	1234.19	8399.15	7542.00	398.37	1469.71	54.99	287.57	84.67	3.42	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-1NCH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NCH (REV-A.0, NIO C CK) PWP

Facility: SEC.20-T01S-R66W Slot: SLOT#02 BRIGHTON LAKES 20-17-1NCH (400'FSL & 1889'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-1NCH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8616.00†	7707.00	498.69	1234.33	8499.15	7542.00	498.37	1469.85	54.99	287.57	87.32	3.31	PASS
8716.00†	7707.00	598.69	1234.47	8599.15	7542.00	598.37	1469.99	54.99	287.57	89.64	3.23	PASS
8816.00†	7707.00	698.69	1234.61	8699.15	7542.00	698.37	1470.13	54.99	287.57	92.50	3.13	PASS
8916.00†	7707.00	798.69	1234.75	8799.15	7542.00	798.37	1470.27	54.99	287.56	95.57	3.02	PASS
9016.00†	7707.00	898.69	1234.89	8899.15	7542.00	898.37	1470.41	54.99	287.56	98.85	2.92	PASS
9116.00†	7707.00	998.69	1235.03	8999.15	7542.00	998.37	1470.55	54.99	287.56	102.30	2.82	PASS
9216.00†	7707.00	1098.69	1235.17	9099.15	7542.00	1098.37	1470.69	54.99	287.56	105.91	2.73	PASS
9316.00†	7707.00	1198.69	1235.32	9199.15	7542.00	1198.37	1470.83	54.99	287.56	109.68	2.63	PASS
9416.00†	7707.00	1298.69	1235.46	9299.15	7542.00	1298.37	1470.97	54.99	287.56	113.57	2.54	PASS
9516.00†	7707.00	1398.69	1235.60	9399.15	7542.00	1398.37	1471.11	54.99	287.56	117.58	2.45	PASS
9616.00†	7707.00	1498.69	1235.74	9499.15	7542.00	1498.37	1471.25	54.99	287.56	121.69	2.37	PASS
9716.00†	7707.00	1598.69	1235.88	9599.15	7542.00	1598.37	1471.39	54.99	287.56	125.90	2.29	PASS
9816.00†	7707.00	1698.69	1236.02	9699.15	7542.00	1698.36	1471.53	54.99	287.56	130.20	2.22	PASS
9916.00†	7707.00	1798.69	1236.16	9799.15	7542.00	1798.36	1471.67	54.98	287.56	134.57	2.14	PASS
10016.00†	7707.00	1898.69	1236.30	9899.15	7542.00	1898.36	1471.81	54.98	287.56	139.02	2.07	PASS
10116.00†	7707.00	1998.69	1236.44	9999.15	7542.00	1998.36	1471.94	54.98	287.56	143.53	2.01	PASS
10216.00†	7707.00	2098.69	1236.58	10099.15	7542.00	2098.36	1472.08	54.98	287.56	148.10	1.95	PASS
10316.00†	7707.00	2198.69	1236.72	10199.15	7542.00	2198.36	1472.22	54.98	287.55	152.72	1.89	PASS
10416.00†	7707.00	2298.69	1236.86	10299.15	7542.00	2298.36	1472.36	54.98	287.55	157.39	1.83	PASS
10516.00†	7707.00	2398.69	1237.00	10399.15	7542.00	2398.36	1472.50	54.98	287.55	162.10	1.78	PASS
10616.00†	7707.00	2498.69	1237.14	10499.15	7542.00	2498.36	1472.64	54.98	287.55	166.85	1.73	PASS
10716.00†	7707.00	2598.69	1237.28	10599.15	7542.00	2598.36	1472.78	54.98	287.55	171.64	1.68	PASS
10816.00†	7707.00	2698.69	1237.42	10699.15	7542.00	2698.36	1472.92	54.98	287.55	176.47	1.63	PASS
10916.00†	7707.00	2798.69	1237.56	10799.15	7542.00	2798.36	1473.06	54.98	287.55	181.32	1.59	PASS
11016.00†	7707.00	2898.69	1237.70	10899.15	7542.00	2898.36	1473.20	54.98	287.55	186.20	1.55	PASS
11116.00†	7707.00	2998.69	1237.84	10999.15	7542.00	2998.36	1473.34	54.98	287.55	191.11	1.51	PASS
11216.00†	7707.00	3098.69	1237.98	11099.15	7542.00	3098.36	1473.48	54.98	287.55	196.05	1.47	PASS
11316.00†	7707.00	3198.69	1238.12	11199.15	7542.00	3198.36	1473.62	54.98	287.55	201.01	1.43	PASS
11416.00†	7707.00	3298.69	1238.26	11299.15	7542.00	3298.36	1473.76	54.98	287.55	205.98	1.40	PASS
11516.00†	7707.00	3398.69	1238.40	11399.15	7542.00	3398.36	1473.90	54.98	287.55	210.98	1.36	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-1NCH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NCH (REV-A.0, NIO C CK) PWP

Facility: SEC.20-T01S-R66W Slot: SLOT#02 BRIGHTON LAKES 20-17-1NCH (400'FSL & 1889'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-1NCH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
11616.00†	7707.00	3498.69	1238.55	11499.15	7542.00	3498.36	1474.04	54.98	287.54	216.00	1.33	PASS
11716.00†	7707.00	3598.69	1238.69	11599.15	7542.00	3598.36	1474.18	54.98	287.54	221.03	1.30	PASS
11816.00†	7707.00	3698.69	1238.83	11699.15	7542.00	3698.36	1474.32	54.98	287.54	226.08	1.27	PASS
11916.00†	7707.00	3798.69	1238.97	11799.15	7542.00	3798.36	1474.46	54.98	287.54	231.14	1.24	PASS
12016.00†	7707.00	3898.69	1239.11	11899.15	7542.00	3898.36	1474.60	54.98	287.54	236.22	1.22	PASS
12116.00†	7707.00	3998.69	1239.25	11999.15	7542.00	3998.36	1474.74	54.98	287.54	241.31	1.19	PASS
12216.00†	7707.00	4098.69	1239.39	12099.15	7542.00	4098.36	1474.88	54.98	287.54	246.41	1.17	PASS
12316.00†	7707.00	4198.69	1239.53	12199.15	7542.00	4198.36	1475.01	54.98	287.54	251.53	1.14	PASS
12416.00†	7707.00	4298.69	1239.67	12299.15	7542.00	4298.36	1475.15	54.98	287.54	256.65	1.12	PASS
12516.00†	7707.00	4398.69	1239.81	12399.15	7542.00	4398.36	1475.29	54.98	287.54	261.79	1.10	PASS
12616.00†	7707.00	4498.69	1239.95	12499.15	7542.00	4498.36	1475.43	54.98	287.54	266.93	1.08	PASS
12716.00†	7707.00	4598.69	1240.09	12599.15	7542.00	4598.36	1475.57	54.98	287.54	272.08	1.06	PASS
12816.00†	7707.00	4698.69	1240.23	12699.15	7542.00	4698.36	1475.71	54.98	287.54	277.24	1.04	PASS
12916.00†	7707.00	4798.69	1240.37	12799.15	7542.00	4798.36	1475.85	54.98	287.53	282.41	1.02	PASS
13016.00†	7707.00	4898.69	1240.51	12899.15	7542.00	4898.36	1475.99	54.98	287.53	287.59	1.00	FAIL
13116.00†	7707.00	4998.69	1240.65	12999.15	7542.00	4998.36	1476.13	54.98	287.53	292.77	0.98	FAIL
13216.00†	7707.00	5098.69	1240.79	13099.15	7542.00	5098.36	1476.27	54.98	287.53	297.97	0.96	FAIL
13316.00†	7707.00	5198.69	1240.93	13199.15	7542.00	5198.36	1476.41	54.98	287.53	303.16	0.95	FAIL
13416.00†	7707.00	5298.69	1241.07	13299.15	7542.00	5298.36	1476.55	54.98	287.53	308.37	0.93	FAIL
13516.00†	7707.00	5398.69	1241.21	13399.15	7542.00	5398.36	1476.69	54.98	287.53	313.58	0.92	FAIL
13616.00†	7707.00	5498.69	1241.35	13499.15	7542.00	5498.36	1476.83	54.98	287.53	318.79	0.90	FAIL
13716.00†	7707.00	5598.69	1241.49	13599.15	7542.00	5598.36	1476.97	54.98	287.53	324.01	0.89	FAIL
13816.00†	7707.00	5698.69	1241.64	13699.15	7542.00	5698.36	1477.11	54.98	287.53	329.24	0.87	FAIL
13916.00†	7707.00	5798.69	1241.78	13799.15	7542.00	5798.36	1477.25	54.98	287.53	334.47	0.86	FAIL
14016.00†	7707.00	5898.69	1241.92	13899.15	7542.00	5898.36	1477.39	54.98	287.53	339.70	0.85	FAIL
14116.00†	7707.00	5998.69	1242.06	13999.15	7542.00	5998.36	1477.53	54.98	287.53	344.94	0.83	FAIL
14216.00†	7707.00	6098.69	1242.20	14099.15	7542.00	6098.36	1477.67	54.98	287.53	350.18	0.82	FAIL
14316.00†	7707.00	6198.69	1242.34	14199.15	7542.00	6198.36	1477.81	54.98	287.52	355.42	0.81	FAIL
14416.00†	7707.00	6298.69	1242.48	14299.15	7542.00	6298.36	1477.95	54.98	287.52	360.68	0.80	FAIL
14516.00†	7707.00	6398.69	1242.62	14399.15	7542.00	6398.36	1478.08	54.98	287.52	365.93	0.79	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-1NCH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NCH (REV-A.0, NIO C CK) PWP

Facility: SEC.20-T01S-R66W Slot: SLOT#02 BRIGHTON LAKES 20-17-1NCH (400'FSL & 1889'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-1NCH Threshold Value=1.00 † = interpolated/extrapolated station

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
14616.00†	7707.00	6498.69	1242.76	14499.15	7542.00	6498.36	1478.22	54.98	287.52	371.19	0.77	FAIL
14716.00†	7707.00	6598.69	1242.90	14599.15	7542.00	6598.36	1478.36	54.98	287.52	376.45	0.76	FAIL
14816.00†	7707.00	6698.69	1243.04	14699.15	7542.00	6698.36	1478.50	54.98	287.52	381.72	0.75	FAIL
14916.00†	7707.00	6798.69	1243.18	14799.15	7542.00	6798.36	1478.64	54.98	287.52	386.98	0.74	FAIL
15016.00†	7707.00	6898.69	1243.32	14899.15	7542.00	6898.36	1478.78	54.98	287.52	392.25	0.73	FAIL
15116.00†	7707.00	6998.69	1243.46	14999.15	7542.00	6998.36	1478.92	54.98	287.52	397.53	0.72	FAIL
15216.00†	7707.00	7098.69	1243.60	15099.15	7542.00	7098.36	1479.06	54.98	287.52	402.80	0.71	FAIL
15316.00†	7707.00	7198.69	1243.74	15199.15	7542.00	7198.36	1479.20	54.98	287.52	408.08	0.70	FAIL
15416.00†	7707.00	7298.69	1243.88	15299.15	7542.00	7298.36	1479.34	54.98	287.52	413.36	0.70	FAIL
15516.00†	7707.00	7398.69	1244.02	15399.15	7542.00	7398.36	1479.48	54.98	287.52	418.64	0.69	FAIL
15616.00†	7707.00	7498.69	1244.16	15499.15	7542.00	7498.36	1479.62	54.98	287.51	423.93	0.68	FAIL
15716.00†	7707.00	7598.69	1244.30	15599.15	7542.00	7598.36	1479.76	54.98	287.51	429.22	0.67	FAIL
15816.00†	7707.00	7698.69	1244.44	15699.15	7542.00	7698.36	1479.90	54.98	287.51	434.51	0.66	FAIL
15916.00†	7707.00	7798.69	1244.58	15799.15	7542.00	7798.36	1480.04	54.98	287.51	439.80	0.65	FAIL
16016.00†	7707.00	7898.69	1244.73	15899.15	7542.00	7898.36	1480.18	54.98	287.51	445.09	0.65	FAIL
16116.00†	7707.00	7998.69	1244.87	15999.15	7542.00	7998.36	1480.32	54.98	287.51	450.39	0.64	FAIL
16216.00†	7707.00	8098.69	1245.01	16099.15	7542.00	8098.36	1480.46	54.98	287.51	455.68	0.63	FAIL
16316.00†	7707.00	8198.69	1245.15	16199.15	7542.00	8198.36	1480.60	54.98	287.51	460.98	0.62	FAIL
16416.00†	7707.00	8298.69	1245.29	16299.15	7542.00	8298.36	1480.74	54.98	287.51	466.28	0.62	FAIL
16516.00†	7707.00	8398.69	1245.43	16399.15	7542.00	8398.36	1480.88	54.98	287.51	471.59	0.61	FAIL
16616.00†	7707.00	8498.69	1245.57	16499.15	7542.00	8498.36	1481.01	54.98	287.51	476.89	0.60	FAIL
16716.00†	7707.00	8598.69	1245.71	16599.15	7542.00	8598.36	1481.15	54.98	287.51	482.20	0.60	FAIL
16816.00†	7707.00	8698.69	1245.85	16699.15	7542.00	8698.36	1481.29	54.98	287.51	487.50	0.59	FAIL
16916.00†	7707.00	8798.69	1245.99	16799.15	7542.00	8798.36	1481.43	54.98	287.50	492.81	0.58	FAIL
17016.00†	7707.00	8898.69	1246.13	16899.15	7542.00	8898.36	1481.57	54.98	287.50	498.12	0.58	FAIL
17116.00†	7707.00	8998.69	1246.27	16999.15	7542.00	8998.36	1481.71	54.98	287.50	503.44	0.57	FAIL
17216.00†	7707.00	9098.69	1246.41	17099.15	7542.00	9098.36	1481.85	54.98	287.50	508.75	0.56	FAIL
17316.00†	7707.00	9198.69	1246.55	17199.15	7542.00	9198.36	1481.99	54.98	287.50	514.06	0.56	FAIL
17416.00†	7707.00	9298.69	1246.69	17299.15	7542.00	9298.36	1482.13	54.98	287.50	519.38	0.55	FAIL
17516.00†	7707.00	9398.69	1246.83	17399.15	7542.00	9398.36	1482.27	54.98	287.50	524.69	0.55	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-1NCH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NCH (REV-A.0, NIO C CK) PWP

Facility: SEC.20-T01S-R66W Slot: SLOT#02 BRIGHTON LAKES 20-17-1NCH (400'FSL & 1889'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-1NCH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17616.00†	7707.00	9498.69	1246.97	17499.15	7542.00	9498.36	1482.41	54.98	287.50	530.01	0.54	FAIL
17716.00†	7707.00	9598.69	1247.11	17599.15	7542.00	9598.36	1482.55	54.98	287.50	535.33	0.54	FAIL
17814.58	7707.00	9697.26	1247.25	17697.73	7542.00	9696.94	1482.69	54.98	287.50	540.57	0.53	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: BRIGHTON LAKES 20-17-1NCH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NCH (REV-A.0, NIO C CK) PWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: BRIGHTON LAKES 20-17-1NCH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NCH (REV-A.0, NIO C CK) 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]
13.5in Open Hole	16.00	882.00	866.00	16.00	882.00	0.00	8.55	0.00	8.55
9.625in Casing Surface	16.00	882.00	866.00	16.00	882.00	0.00	8.55	0.00	8.55
8.5in Open Hole	882.00	17698.07	16816.07	882.00	7542.00	0.00	8.55	2955.73	456.19

SURVEY PROGRAM - Offset Wellbore: BRIGHTON LAKES 20-17-1NCH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NCH (REV-A.0, NIO C CK) PWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
16.00	882.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		BRIGHTON LAKES 20-17-1NCH PWB
882.00	17698.07	BHI AutoTrak Curve (Standard)		BRIGHTON LAKES 20-17-1NCH PWB



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: BRIGHTON LAKES 20-17-1NCH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NCH (REV-A.0, NIO C CK) PWP	
MD Reference: RIG (16'RKB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	16.00ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-1NBH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NBH (NIO B CK, REV-A.0) PWP

Facility: SEC.20-T01S-R66W Slot: SLOT#03 BRIGHTON LAKES 20-17-1NBH (400'FSL & 1904'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-1NBH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
16.00	16.00	0.00	0.00	16.00	16.00	0.00	30.84	90.00	30.84	1.56	49.80	PASS
116.00†	116.00	0.00	0.00	116.00	116.00	0.00	30.84	90.00	30.84	1.89	32.15	PASS
216.00†	216.00	0.00	0.00	216.00	216.00	0.00	30.84	90.00	30.84	2.47	19.85	PASS
316.00†	316.00	0.00	0.00	316.00	316.00	0.00	30.84	90.00	30.84	3.08	14.15	PASS
416.00†	416.00	0.00	0.00	416.00	416.00	0.00	30.84	90.00	30.84	3.69	10.95	PASS
516.00†	516.00	0.00	0.00	516.00	516.00	0.00	30.84	90.00	30.84	4.31	8.92	PASS
616.00†	616.00	0.00	0.00	616.00	616.00	0.00	30.84	90.00	30.84	4.93	7.52	PASS
716.00†	716.00	0.00	0.00	716.00	716.00	0.00	30.84	90.00	30.84	5.56	6.50	PASS
816.00†	816.00	0.00	0.00	816.00	816.00	0.00	30.84	90.00	30.84	6.18	5.72	PASS
916.00†	916.00	0.00	0.00	916.00	916.00	0.00	30.84	90.00	30.84	6.25	5.43	PASS
1016.00†	1016.00	0.00	0.00	1016.00	1016.00	0.00	30.84	90.00	30.84	6.40	5.30	PASS
1116.00†	1116.00	0.00	0.00	1116.00	1116.00	0.00	30.84	90.00	30.84	6.73	5.01	PASS
1216.00†	1216.00	0.00	0.00	1216.00	1216.00	0.00	30.84	90.00	30.84	7.21	4.64	PASS
1316.00†	1316.00	0.00	0.00	1314.56	1314.53	-0.67	32.83	91.17	32.87	7.96	4.44	PASS
1325.00	1325.00	0.00	0.00	1323.41	1323.36	-0.81	33.25	91.39	33.30	8.06	4.43	PASS
1416.00†	1415.97	-0.91	1.97	1412.69	1412.39	-2.94	39.58	-21.52	37.83	9.37	4.29	PASS
1516.00†	1515.68	-3.99	8.67	1510.56	1509.50	-6.79	51.04	-20.69	42.91	11.21	4.02	PASS
1616.00†	1614.88	-9.24	20.10	1608.18	1605.61	-12.21	67.15	-20.68	48.04	12.92	3.88	PASS
1716.00†	1713.27	-16.66	36.24	1705.55	1700.50	-19.17	87.84	-21.25	53.22	14.48	3.81	PASS
1738.11	1734.90	-18.59	40.44	1727.05	1721.29	-20.92	93.03	-21.44	54.37	14.75	3.82	PASS
1816.00†	1810.97	-25.57	55.63	1803.26	1794.51	-27.65	113.05	-21.76	59.77	15.46	4.00	PASS
1916.00†	1908.64	-34.53	75.13	1902.95	1890.03	-36.75	140.10	-21.87	67.62	16.28	4.30	PASS
2016.00†	2006.31	-43.50	94.63	2002.65	1985.55	-45.85	167.15	-21.97	75.47	17.14	4.55	PASS
2116.00†	2103.98	-52.46	114.13	2102.34	2081.07	-54.95	194.20	-22.04	83.32	18.04	4.77	PASS
2216.00†	2201.65	-61.42	133.63	2202.03	2176.59	-64.05	221.25	-22.11	91.17	19.04	4.94	PASS
2316.00†	2299.32	-70.39	153.13	2301.72	2272.11	-73.15	248.30	-22.16	99.02	20.04	5.09	PASS
2416.00†	2396.99	-79.35	172.63	2401.41	2367.63	-82.25	275.35	-22.20	106.87	21.08	5.21	PASS
2516.00†	2494.66	-88.31	192.13	2501.10	2463.15	-91.35	302.40	-22.24	114.72	22.15	5.32	PASS
2616.00†	2592.33	-97.28	211.63	2600.79	2558.66	-100.45	329.44	-22.28	122.57	23.24	5.41	PASS
2716.00†	2690.00	-106.24	231.13	2700.49	2654.18	-109.55	356.49	-22.31	130.42	24.36	5.48	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-1NBH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NBH (NIO B CK, REV-A.0) PWP

Facility: SEC.20-T01S-R66W Slot: SLOT#03 BRIGHTON LAKES 20-17-1NBH (400'FSL & 1904'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-1NBH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2816.00†	2787.67	-115.20	250.64	2800.18	2749.70	-118.65	383.54	-22.33	138.27	25.49	5.55	PASS
2916.00†	2885.34	-124.17	270.14	2899.87	2845.22	-127.75	410.59	-22.36	146.12	26.64	5.61	PASS
3016.00†	2983.01	-133.13	289.64	2999.56	2940.74	-136.85	437.64	-22.38	153.97	27.80	5.66	PASS
3116.00†	3080.68	-142.09	309.14	3099.25	3036.26	-145.95	464.69	-22.40	161.82	28.98	5.70	PASS
3216.00†	3178.35	-151.06	328.64	3198.94	3131.78	-155.05	491.74	-22.41	169.67	30.16	5.74	PASS
3316.00†	3276.02	-160.02	348.14	3298.63	3227.30	-164.15	518.79	-22.43	177.52	31.36	5.77	PASS
3416.00†	3373.69	-168.98	367.64	3398.33	3322.82	-173.25	545.84	-22.44	185.36	32.56	5.80	PASS
3516.00†	3471.36	-177.95	387.14	3498.02	3418.34	-182.34	572.89	-22.46	193.21	33.77	5.82	PASS
3616.00†	3569.03	-186.91	406.64	3597.71	3513.86	-191.44	599.94	-22.47	201.06	34.99	5.84	PASS
3716.00†	3666.70	-195.87	426.14	3697.40	3609.38	-200.54	626.99	-22.48	208.91	36.21	5.86	PASS
3816.00†	3764.37	-204.84	445.64	3797.09	3704.90	-209.64	654.04	-22.49	216.76	37.44	5.88	PASS
3916.00†	3862.04	-213.80	465.14	3896.78	3800.41	-218.74	681.08	-22.50	224.61	38.67	5.90	PASS
4016.00†	3959.70	-222.76	484.65	3996.47	3895.93	-227.84	708.13	-22.51	232.46	39.91	5.91	PASS
4116.00†	4057.37	-231.73	504.15	4096.17	3991.45	-236.94	735.18	-22.52	240.31	41.15	5.92	PASS
4216.00†	4155.04	-240.69	523.65	4195.86	4086.97	-246.04	762.23	-22.53	248.16	42.39	5.94	PASS
4316.00†	4252.71	-249.65	543.15	4295.55	4182.49	-255.14	789.28	-22.53	256.01	43.64	5.95	PASS
4416.00†	4350.38	-258.62	562.65	4395.24	4278.01	-264.24	816.33	-22.54	263.86	44.89	5.96	PASS
4516.00†	4448.05	-267.58	582.15	4494.93	4373.53	-273.34	843.38	-22.55	271.71	46.15	5.96	PASS
4616.00†	4545.72	-276.54	601.65	4594.62	4469.05	-282.44	870.43	-22.55	279.56	47.41	5.97	PASS
4716.00†	4643.39	-285.51	621.15	4694.31	4564.57	-291.54	897.48	-22.56	287.41	48.66	5.98	PASS
4816.00†	4741.06	-294.47	640.65	4794.01	4660.09	-300.64	924.53	-22.57	295.26	49.93	5.98	PASS
4916.00†	4838.73	-303.43	660.15	4893.70	4755.61	-309.74	951.58	-22.57	303.11	51.19	5.99	PASS
5016.00†	4936.40	-312.40	679.65	4993.39	4851.13	-318.84	978.63	-22.58	310.96	52.45	6.00	PASS
5116.00†	5034.07	-321.36	699.16	5093.08	4946.64	-327.94	1005.68	-22.58	318.81	53.72	6.00	PASS
5216.00†	5131.74	-330.33	718.66	5192.77	5042.16	-337.04	1032.72	-22.59	326.66	54.99	6.00	PASS
5316.00†	5229.41	-339.29	738.16	5292.46	5137.68	-346.13	1059.77	-22.59	334.51	56.26	6.01	PASS
5416.00†	5327.08	-348.25	757.66	5392.15	5233.20	-355.23	1086.82	-22.59	342.36	57.53	6.01	PASS
5516.00†	5424.75	-357.22	777.16	5491.85	5328.72	-364.33	1113.87	-22.60	350.21	58.80	6.02	PASS
5616.00†	5522.42	-366.18	796.66	5591.54	5424.24	-373.43	1140.92	-22.60	358.06	60.08	6.02	PASS
5716.00†	5620.09	-375.14	816.16	5691.23	5519.76	-382.53	1167.97	-22.61	365.91	61.35	6.02	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-1NBH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NBH (NIO B CK, REV-A.0) PWP

Facility: SEC.20-T01S-R66W Slot: SLOT#03 BRIGHTON LAKES 20-17-1NBH (400'FSL & 1904'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-1NBH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5816.00†	5717.76	-384.11	835.66	5790.92	5615.28	-391.63	1195.02	-22.61	373.76	62.63	6.02	PASS
5916.00†	5815.43	-393.07	855.16	5890.61	5710.80	-400.73	1222.07	-22.61	381.61	63.91	6.03	PASS
6016.00†	5913.10	-402.03	874.66	5990.30	5806.32	-409.83	1249.12	-22.62	389.46	65.18	6.03	PASS
6116.00†	6010.77	-411.00	894.16	6089.99	5901.84	-418.93	1276.17	-22.62	397.31	66.46	6.03	PASS
6216.00†	6108.44	-419.96	913.66	6189.69	5997.36	-428.03	1303.22	-22.62	405.16	67.74	6.03	PASS
6316.00†	6206.11	-428.92	933.17	6289.38	6092.88	-437.13	1330.27	-22.62	413.01	69.02	6.04	PASS
6416.00†	6303.78	-437.89	952.67	6389.07	6188.39	-446.23	1357.32	-22.63	420.86	70.31	6.04	PASS
6516.00†	6401.45	-446.85	972.17	6488.76	6283.91	-455.33	1384.36	-22.63	428.71	71.59	6.04	PASS
6616.00†	6499.12	-455.81	991.67	6588.45	6379.43	-464.43	1411.41	-22.63	436.56	72.87	6.04	PASS
6716.00†	6596.79	-464.78	1011.17	6688.14	6474.95	-473.53	1438.46	-22.63	444.41	74.15	6.04	PASS
6816.00†	6694.46	-473.74	1030.67	6787.83	6570.47	-482.63	1465.51	-22.64	452.26	75.44	6.04	PASS
6916.00†	6792.13	-482.70	1050.17	6887.53	6665.99	-491.73	1492.56	-22.64	460.11	76.72	6.04	PASS
7016.00†	6889.80	-491.67	1069.67	6987.22	6761.51	-500.82	1519.61	-22.64	467.96	78.01	6.04	PASS
7116.00†	6987.47	-500.63	1089.17	7087.17	6857.30	-509.69	1546.74	-22.68	475.81	79.31	6.04	PASS
7216.00†	7085.14	-509.59	1108.67	7186.77	6952.98	-507.11	1573.85	-24.06	483.59	81.22	6.00	PASS
7226.04	7094.94	-510.49	1110.63	7196.48	6962.25	-505.94	1576.48	-24.30	484.40	81.47	5.99	PASS
7316.00†	7183.06	-511.50	1128.24	7281.87	7042.62	-488.64	1599.27	15.56	492.06	83.39	5.94	PASS
7416.00†	7279.83	-496.13	1147.59	7373.92	7125.43	-456.33	1622.78	44.06	501.22	84.77	5.95	PASS
7516.00†	7372.50	-463.86	1166.15	7463.43	7200.18	-412.09	1644.01	54.85	510.62	85.21	6.03	PASS
7616.00†	7458.27	-415.66	1183.35	7550.84	7265.92	-357.73	1662.71	58.98	519.75	84.82	6.17	PASS
7716.00†	7534.52	-353.01	1198.68	7636.56	7321.93	-294.95	1678.67	60.56	528.17	83.91	6.34	PASS
7816.00†	7598.94	-277.80	1211.65	7720.95	7367.67	-225.32	1691.72	61.08	535.45	82.79	6.52	PASS
7916.00†	7649.57	-192.32	1221.89	7804.36	7402.72	-150.40	1701.76	61.16	541.27	81.82	6.66	PASS
8016.00†	7684.88	-99.18	1229.07	7887.07	7426.80	-71.64	1708.69	61.11	545.34	81.33	6.76	PASS
8116.00†	7703.79	-1.19	1232.99	7969.39	7439.68	9.50	1712.45	61.06	547.50	81.57	6.76	PASS
8177.30	7707.00	60.00	1233.72	8019.77	7442.00	59.81	1713.18	61.07	547.82	82.10	6.72	PASS
8216.00†	7707.00	98.70	1233.77	8057.99	7442.00	98.03	1713.23	61.07	547.82	82.51	6.69	PASS
8316.00†	7707.00	198.70	1233.91	8157.99	7442.00	198.03	1713.37	61.07	547.82	83.85	6.58	PASS
8416.00†	7707.00	298.69	1234.05	8257.99	7442.00	298.03	1713.51	61.07	547.82	85.63	6.44	PASS
8516.00†	7707.00	398.69	1234.19	8357.99	7442.00	398.03	1713.65	61.07	547.82	87.74	6.29	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-1NBH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NBH (NIO B CK, REV-A.0) PWP

Facility: SEC.20-T01S-R66W Slot: SLOT#03 BRIGHTON LAKES 20-17-1NBH (400'FSL & 1904'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-1NBH Threshold Value=1.00 † = interpolated/extrapolated station

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8616.00†	7707.00	498.69	1234.33	8457.99	7442.00	498.03	1713.79	61.07	547.82	88.74	6.22	PASS
8716.00†	7707.00	598.69	1234.47	8557.99	7442.00	598.03	1713.92	61.07	547.81	92.88	5.94	PASS
8816.00†	7707.00	698.69	1234.61	8657.99	7442.00	698.03	1714.06	61.07	547.81	95.85	5.75	PASS
8916.00†	7707.00	798.69	1234.75	8757.99	7442.00	798.03	1714.20	61.07	547.81	99.06	5.56	PASS
9016.00†	7707.00	898.69	1234.89	8857.99	7442.00	898.03	1714.34	61.07	547.81	102.48	5.38	PASS
9116.00†	7707.00	998.69	1235.03	8957.99	7442.00	998.03	1714.48	61.07	547.81	106.10	5.19	PASS
9216.00†	7707.00	1098.69	1235.17	9057.99	7442.00	1098.03	1714.62	61.07	547.81	109.90	5.01	PASS
9316.00†	7707.00	1198.69	1235.32	9157.99	7442.00	1198.03	1714.76	61.07	547.80	113.85	4.84	PASS
9416.00†	7707.00	1298.69	1235.46	9257.99	7442.00	1298.03	1714.89	61.07	547.80	117.95	4.67	PASS
9516.00†	7707.00	1398.69	1235.60	9357.99	7442.00	1398.03	1715.03	61.07	547.80	122.17	4.50	PASS
9616.00†	7707.00	1498.69	1235.74	9457.99	7442.00	1498.03	1715.17	61.07	547.80	126.50	4.35	PASS
9716.00†	7707.00	1598.69	1235.88	9557.99	7442.00	1598.03	1715.31	61.07	547.80	130.94	4.20	PASS
9816.00†	7707.00	1698.69	1236.02	9657.99	7442.00	1698.03	1715.45	61.07	547.80	135.48	4.06	PASS
9916.00†	7707.00	1798.69	1236.16	9757.99	7442.00	1798.03	1715.59	61.07	547.79	140.09	3.93	PASS
10016.00†	7707.00	1898.69	1236.30	9857.99	7442.00	1898.03	1715.73	61.07	547.79	144.78	3.80	PASS
10116.00†	7707.00	1998.69	1236.44	9957.99	7442.00	1998.03	1715.86	61.07	547.79	149.54	3.68	PASS
10216.00†	7707.00	2098.69	1236.58	10057.99	7442.00	2098.03	1716.00	61.07	547.79	154.37	3.56	PASS
10316.00†	7707.00	2198.69	1236.72	10157.99	7442.00	2198.03	1716.14	61.07	547.79	159.24	3.45	PASS
10416.00†	7707.00	2298.69	1236.86	10257.99	7442.00	2298.03	1716.28	61.07	547.78	164.17	3.35	PASS
10516.00†	7707.00	2398.69	1237.00	10357.99	7442.00	2398.03	1716.42	61.07	547.78	169.15	3.25	PASS
10616.00†	7707.00	2498.69	1237.14	10457.99	7442.00	2498.03	1716.56	61.07	547.78	174.17	3.15	PASS
10716.00†	7707.00	2598.69	1237.28	10557.99	7442.00	2598.03	1716.69	61.07	547.78	179.23	3.06	PASS
10816.00†	7707.00	2698.69	1237.42	10657.99	7442.00	2698.03	1716.83	61.07	547.78	184.32	2.98	PASS
10916.00†	7707.00	2798.69	1237.56	10757.99	7442.00	2798.03	1716.97	61.07	547.78	189.45	2.90	PASS
11016.00†	7707.00	2898.69	1237.70	10857.99	7442.00	2898.03	1717.11	61.07	547.77	194.61	2.82	PASS
11116.00†	7707.00	2998.69	1237.84	10957.99	7442.00	2998.03	1717.25	61.07	547.77	199.80	2.75	PASS
11216.00†	7707.00	3098.69	1237.98	11057.99	7442.00	3098.03	1717.39	61.07	547.77	205.01	2.68	PASS
11316.00†	7707.00	3198.69	1238.12	11157.99	7442.00	3198.03	1717.53	61.07	547.77	210.25	2.61	PASS
11416.00†	7707.00	3298.69	1238.26	11257.99	7442.00	3298.03	1717.66	61.07	547.77	215.50	2.55	PASS
11516.00†	7707.00	3398.69	1238.40	11357.99	7442.00	3398.03	1717.80	61.07	547.77	220.78	2.49	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-1NBH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NBH (NIO B CK, REV-A.0) PWP												
Facility: SEC.20-T01S-R66W		Slot: SLOT#03 BRIGHTON LAKES 20-17-1NBH (400'FSL & 1904'FWL, SEC.20)			Well: BRIGHTON LAKES 20-17-1NBH			Threshold Value=1.00 † = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
11616.00†	7707.00	3498.69	1238.55	11457.99	7442.00	3498.03	1717.94	61.07	547.76	226.08	2.43	PASS
11716.00†	7707.00	3598.69	1238.69	11557.99	7442.00	3598.03	1718.08	61.07	547.76	231.40	2.37	PASS
11816.00†	7707.00	3698.69	1238.83	11657.99	7442.00	3698.03	1718.22	61.07	547.76	236.73	2.32	PASS
11916.00†	7707.00	3798.69	1238.97	11757.99	7442.00	3798.03	1718.36	61.07	547.76	242.08	2.27	PASS
12016.00†	7707.00	3898.69	1239.11	11857.99	7442.00	3898.03	1718.50	61.07	547.76	247.44	2.22	PASS
12116.00†	7707.00	3998.69	1239.25	11957.99	7442.00	3998.03	1718.63	61.07	547.76	252.82	2.17	PASS
12216.00†	7707.00	4098.69	1239.39	12057.99	7442.00	4098.03	1718.77	61.07	547.75	258.21	2.12	PASS
12316.00†	7707.00	4198.69	1239.53	12157.99	7442.00	4198.03	1718.91	61.07	547.75	263.61	2.08	PASS
12416.00†	7707.00	4298.69	1239.67	12257.99	7442.00	4298.03	1719.05	61.07	547.75	269.02	2.04	PASS
12516.00†	7707.00	4398.69	1239.81	12357.99	7442.00	4398.03	1719.19	61.07	547.75	274.44	2.00	PASS
12616.00†	7707.00	4498.69	1239.95	12457.99	7442.00	4498.03	1719.33	61.07	547.75	279.88	1.96	PASS
12716.00†	7707.00	4598.69	1240.09	12557.99	7442.00	4598.03	1719.46	61.07	547.75	285.32	1.92	PASS
12816.00†	7707.00	4698.69	1240.23	12657.99	7442.00	4698.03	1719.60	61.07	547.74	290.77	1.89	PASS
12916.00†	7707.00	4798.69	1240.37	12757.99	7442.00	4798.03	1719.74	61.07	547.74	296.23	1.85	PASS
13016.00†	7707.00	4898.69	1240.51	12857.99	7442.00	4898.03	1719.88	61.07	547.74	301.70	1.82	PASS
13116.00†	7707.00	4998.69	1240.65	12957.99	7442.00	4998.03	1720.02	61.07	547.74	307.17	1.78	PASS
13216.00†	7707.00	5098.69	1240.79	13057.99	7442.00	5098.03	1720.16	61.07	547.74	312.65	1.75	PASS
13316.00†	7707.00	5198.69	1240.93	13157.99	7442.00	5198.03	1720.30	61.07	547.74	318.14	1.72	PASS
13416.00†	7707.00	5298.69	1241.07	13257.99	7442.00	5298.03	1720.43	61.07	547.73	323.64	1.69	PASS
13516.00†	7707.00	5398.69	1241.21	13357.99	7442.00	5398.03	1720.57	61.07	547.73	329.14	1.67	PASS
13616.00†	7707.00	5498.69	1241.35	13457.99	7442.00	5498.03	1720.71	61.07	547.73	334.65	1.64	PASS
13716.00†	7707.00	5598.69	1241.49	13557.99	7442.00	5598.03	1720.85	61.07	547.73	340.16	1.61	PASS
13816.00†	7707.00	5698.69	1241.64	13657.99	7442.00	5698.03	1720.99	61.07	547.73	345.68	1.59	PASS
13916.00†	7707.00	5798.69	1241.78	13757.99	7442.00	5798.03	1721.13	61.07	547.72	351.20	1.56	PASS
14016.00†	7707.00	5898.69	1241.92	13857.99	7442.00	5898.03	1721.27	61.07	547.72	356.73	1.54	PASS
14116.00†	7707.00	5998.69	1242.06	13957.99	7442.00	5998.03	1721.40	61.07	547.72	362.26	1.51	PASS
14216.00†	7707.00	6098.69	1242.20	14057.99	7442.00	6098.03	1721.54	61.07	547.72	367.80	1.49	PASS
14316.00†	7707.00	6198.69	1242.34	14157.99	7442.00	6198.03	1721.68	61.06	547.72	373.34	1.47	PASS
14416.00†	7707.00	6298.69	1242.48	14257.99	7442.00	6298.03	1721.82	61.06	547.72	378.88	1.45	PASS
14516.00†	7707.00	6398.69	1242.62	14357.99	7442.00	6398.03	1721.96	61.06	547.71	384.43	1.43	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-1NBH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NBH (NIO B CK, REV-A.0) PWP

Facility: SEC.20-T01S-R66W Slot: SLOT#03 BRIGHTON LAKES 20-17-1NBH (400'FSL & 1904'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-1NBH Threshold Value=1.00 † = interpolated/extrapolated station

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
14616.00†	7707.00	6498.69	1242.76	14457.99	7442.00	6498.03	1722.10	61.06	547.71	389.98	1.41	PASS
14716.00†	7707.00	6598.69	1242.90	14557.99	7442.00	6598.02	1722.23	61.06	547.71	395.54	1.39	PASS
14816.00†	7707.00	6698.69	1243.04	14657.99	7442.00	6698.02	1722.37	61.06	547.71	401.10	1.37	PASS
14916.00†	7707.00	6798.69	1243.18	14757.99	7442.00	6798.02	1722.51	61.06	547.71	406.66	1.35	PASS
15016.00†	7707.00	6898.69	1243.32	14857.99	7442.00	6898.02	1722.65	61.06	547.71	412.22	1.33	PASS
15116.00†	7707.00	6998.69	1243.46	14957.99	7442.00	6998.02	1722.79	61.06	547.70	417.79	1.31	PASS
15216.00†	7707.00	7098.69	1243.60	15057.99	7442.00	7098.02	1722.93	61.06	547.70	423.36	1.29	PASS
15316.00†	7707.00	7198.69	1243.74	15157.99	7442.00	7198.02	1723.07	61.06	547.70	428.94	1.28	PASS
15416.00†	7707.00	7298.69	1243.88	15257.99	7442.00	7298.02	1723.20	61.06	547.70	434.51	1.26	PASS
15516.00†	7707.00	7398.69	1244.02	15357.99	7442.00	7398.02	1723.34	61.06	547.70	440.09	1.24	PASS
15616.00†	7707.00	7498.69	1244.16	15457.99	7442.00	7498.02	1723.48	61.06	547.70	445.67	1.23	PASS
15716.00†	7707.00	7598.69	1244.30	15557.99	7442.00	7598.02	1723.62	61.06	547.69	451.25	1.21	PASS
15816.00†	7707.00	7698.69	1244.44	15657.99	7442.00	7698.02	1723.76	61.06	547.69	456.84	1.20	PASS
15916.00†	7707.00	7798.69	1244.58	15757.99	7442.00	7798.02	1723.90	61.06	547.69	462.43	1.18	PASS
16016.00†	7707.00	7898.69	1244.73	15857.99	7442.00	7898.02	1724.04	61.06	547.69	468.02	1.17	PASS
16116.00†	7707.00	7998.69	1244.87	15957.99	7442.00	7998.02	1724.17	61.06	547.69	473.63	1.16	PASS
16216.00†	7707.00	8098.69	1245.01	16057.99	7442.00	8098.02	1724.31	61.06	547.69	479.20	1.14	PASS
16316.00†	7707.00	8198.69	1245.15	16157.99	7442.00	8198.02	1724.45	61.06	547.68	484.80	1.13	PASS
16416.00†	7707.00	8298.69	1245.29	16257.99	7442.00	8298.02	1724.59	61.06	547.68	490.40	1.12	PASS
16516.00†	7707.00	8398.69	1245.43	16357.99	7442.00	8398.02	1724.73	61.06	547.68	495.99	1.10	PASS
16616.00†	7707.00	8498.69	1245.57	16457.99	7442.00	8498.02	1724.87	61.06	547.68	501.60	1.09	PASS
16716.00†	7707.00	8598.69	1245.71	16557.99	7442.00	8598.02	1725.00	61.06	547.68	507.20	1.08	PASS
16816.00†	7707.00	8698.69	1245.85	16657.99	7442.00	8698.02	1725.14	61.06	547.68	512.80	1.07	PASS
16916.00†	7707.00	8798.69	1245.99	16757.99	7442.00	8798.02	1725.28	61.06	547.67	518.41	1.06	PASS
17016.00†	7707.00	8898.69	1246.13	16857.99	7442.00	8898.02	1725.42	61.06	547.67	524.01	1.05	PASS
17116.00†	7707.00	8998.69	1246.27	16957.99	7442.00	8998.02	1725.56	61.06	547.67	529.62	1.03	PASS
17216.00†	7707.00	9098.69	1246.41	17057.99	7442.00	9098.02	1725.70	61.06	547.67	535.23	1.02	PASS
17316.00†	7707.00	9198.69	1246.55	17157.99	7442.00	9198.02	1725.84	61.06	547.67	540.84	1.01	PASS
17416.00†	7707.00	9298.69	1246.69	17257.99	7442.00	9298.02	1725.97	61.06	547.67	546.46	1.00	PASS
17516.00†	7707.00	9398.69	1246.83	17357.99	7442.00	9398.02	1726.11	61.06	547.66	552.07	0.99	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-1NBH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NBH (NIO B CK, REV-A.0) PWP

Facility: SEC.20-T01S-R66W Slot: SLOT#03 BRIGHTON LAKES 20-17-1NBH (400'FSL & 1904'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-1NBH Threshold Value=1.00 † = interpolated/extrapolated station													
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
17616.00†	7707.00	9498.69	1246.97	17457.99	7442.00	9498.02	1726.25	61.06	547.66	557.68	0.98	FAIL	
17716.00†	7707.00	9598.69	1247.11	17557.99	7442.00	9598.02	1726.39	61.06	547.66	563.30	0.97	FAIL	
17814.58	7707.00	9697.26	1247.25	17656.57	7442.00	9696.60	1726.53	61.06	547.66	568.83	0.96	FAIL	

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: BRIGHTON LAKES 20-17-1NBH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NBH (NIO B CK, REV-A.0) PWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: BRIGHTON LAKES 20-17-1NBH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NBH (NIO B CK, REV-A.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]
13.5in Open Hole	16.00	882.00	866.00	16.00	882.00	0.00	18.80	0.00	18.80
9.625in Casing Surface	16.00	882.00	866.00	16.00	882.00	0.00	18.80	0.00	18.80
8.5in Open Hole	882.00	17661.00	16779.00	882.00	N/A	0.00	18.80	N/A	N/A

SURVEY PROGRAM - Offset Wellbore: BRIGHTON LAKES 20-17-1NBH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NBH (NIO B CK, REV-A.0) PWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
16.00	882.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		BRIGHTON LAKES 20-17-1NBH PWB
882.00	17660.90	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)		BRIGHTON LAKES 20-17-1NBH PWB



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: BRIGHTON LAKES 20-17-1NBH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NBH (NIO B CK, REV-A.0) PWP	
MD Reference: RIG (16'RKB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	16.00ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-1NAH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NAH (REV-A.0,NIO A CK,) PWP

Facility: SEC.20-T01S-R66W Slot: SLOT#04 BRIGHTON LAKES 20-17-1NAH (400'FSL & 1919'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-1NAH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
16.00	16.00	0.00	0.00	16.00	16.00	0.00	44.86	90.00	44.86	1.56	73.16	PASS
116.00†	116.00	0.00	0.00	116.00	116.00	0.00	44.86	90.00	44.86	1.89	47.22	PASS
216.00†	216.00	0.00	0.00	216.00	216.00	0.00	44.86	90.00	44.86	2.47	29.15	PASS
316.00†	316.00	0.00	0.00	316.00	316.00	0.00	44.86	90.00	44.86	3.08	20.79	PASS
416.00†	416.00	0.00	0.00	416.00	416.00	0.00	44.86	90.00	44.86	3.69	16.09	PASS
516.00†	516.00	0.00	0.00	516.00	516.00	0.00	44.86	90.00	44.86	4.31	13.11	PASS
616.00†	616.00	0.00	0.00	616.00	616.00	0.00	44.86	90.00	44.86	4.94	11.05	PASS
716.00†	716.00	0.00	0.00	716.00	716.00	0.00	44.86	90.00	44.86	5.56	9.55	PASS
816.00†	816.00	0.00	0.00	816.00	816.00	0.00	44.86	90.00	44.86	6.19	8.41	PASS
916.00†	916.00	0.00	0.00	916.00	916.00	0.00	44.86	90.00	44.86	6.25	7.96	PASS
1016.00†	1016.00	0.00	0.00	1016.00	1016.00	0.00	44.86	90.00	44.86	6.40	7.76	PASS
1116.00†	1116.00	0.00	0.00	1116.00	1116.00	0.00	44.86	90.00	44.86	6.73	7.34	PASS
1216.00†	1216.00	0.00	0.00	1215.09	1215.09	-0.12	45.27	90.15	45.28	7.21	6.85	PASS
1316.00†	1316.00	0.00	0.00	1312.66	1312.54	-1.41	49.62	91.63	49.76	8.09	6.64	PASS
1325.00	1325.00	0.00	0.00	1321.41	1321.27	-1.60	50.24	91.82	50.40	8.20	6.63	PASS
1416.00†	1415.97	-0.91	1.97	1409.73	1409.14	-4.11	58.67	-21.36	57.20	9.58	6.37	PASS
1516.00†	1515.68	-3.99	8.67	1506.43	1504.77	-8.17	72.36	-20.67	64.75	11.40	5.99	PASS
1616.00†	1614.88	-9.24	20.10	1602.77	1599.20	-13.59	90.59	-20.69	72.34	13.06	5.80	PASS
1716.00†	1713.27	-16.66	36.24	1698.75	1692.21	-20.34	113.27	-21.20	79.94	14.60	5.70	PASS
1738.11	1734.90	-18.59	40.44	1719.92	1712.56	-22.00	118.87	-21.37	81.63	14.88	5.71	PASS
1816.00†	1810.97	-25.57	55.63	1794.24	1783.44	-28.36	140.25	-21.77	89.03	15.68	5.90	PASS
1916.00†	1908.64	-34.53	75.13	1892.85	1876.70	-37.49	170.98	-21.85	101.08	16.52	6.35	PASS
2016.00†	2006.31	-43.50	94.63	1992.12	1970.56	-46.71	201.97	-21.90	113.19	17.39	6.74	PASS
2116.00†	2103.98	-52.46	114.13	2091.38	2064.41	-55.92	232.96	-21.95	125.29	18.37	7.05	PASS
2216.00†	2201.65	-61.42	133.63	2190.65	2158.26	-65.13	263.94	-21.98	137.40	19.27	7.36	PASS
2316.00†	2299.32	-70.39	153.13	2289.91	2252.11	-74.34	294.93	-22.01	149.50	20.28	7.60	PASS
2416.00†	2396.99	-79.35	172.63	2389.18	2345.97	-83.55	325.92	-22.04	161.61	21.32	7.81	PASS
2516.00†	2494.66	-88.31	192.13	2488.44	2439.82	-92.77	356.90	-22.06	173.71	22.39	7.98	PASS
2616.00†	2592.33	-97.28	211.63	2587.71	2533.67	-101.98	387.89	-22.08	185.82	23.49	8.13	PASS
2716.00†	2690.00	-106.24	231.13	2686.97	2627.53	-111.19	418.88	-22.10	197.93	24.61	8.25	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-1NAH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NAH (REV-A.0,NIO A CK,) PWP

Facility: SEC.20-T01S-R66W Slot: SLOT#04 BRIGHTON LAKES 20-17-1NAH (400'FSL & 1919'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-1NAH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2816.00†	2787.67	-115.20	250.64	2786.23	2721.38	-120.40	449.86	-22.11	210.03	25.75	8.36	PASS
2916.00†	2885.34	-124.17	270.14	2885.50	2815.23	-129.61	480.85	-22.13	222.14	26.91	8.45	PASS
3016.00†	2983.01	-133.13	289.64	2984.76	2909.09	-138.83	511.84	-22.14	234.24	28.08	8.53	PASS
3116.00†	3080.68	-142.09	309.14	3084.03	3002.94	-148.04	542.82	-22.15	246.35	29.26	8.60	PASS
3216.00†	3178.35	-151.06	328.64	3183.29	3096.79	-157.25	573.81	-22.16	258.45	30.46	8.66	PASS
3316.00†	3276.02	-160.02	348.14	3282.56	3190.65	-166.46	604.80	-22.17	270.56	31.66	8.72	PASS
3416.00†	3373.69	-168.98	367.64	3381.82	3284.50	-175.67	635.78	-22.18	282.67	32.88	8.77	PASS
3516.00†	3471.36	-177.95	387.14	3481.09	3378.35	-184.89	666.77	-22.18	294.77	34.10	8.81	PASS
3616.00†	3569.03	-186.91	406.64	3580.35	3472.21	-194.10	697.76	-22.19	306.88	35.33	8.84	PASS
3716.00†	3666.70	-195.87	426.14	3679.62	3566.06	-203.31	728.74	-22.20	318.98	36.56	8.88	PASS
3816.00†	3764.37	-204.84	445.64	3778.88	3659.91	-212.52	759.73	-22.20	331.09	37.80	8.91	PASS
3916.00†	3862.04	-213.80	465.14	3878.14	3753.77	-221.73	790.72	-22.21	343.19	39.05	8.93	PASS
4016.00†	3959.70	-222.76	484.65	3977.41	3847.62	-230.94	821.70	-22.21	355.30	40.30	8.96	PASS
4116.00†	4057.37	-231.73	504.15	4076.67	3941.47	-240.16	852.69	-22.22	367.41	41.56	8.98	PASS
4216.00†	4155.04	-240.69	523.65	4175.94	4035.32	-249.37	883.68	-22.22	379.51	42.81	9.00	PASS
4316.00†	4252.71	-249.65	543.15	4275.20	4129.18	-258.58	914.66	-22.23	391.62	44.08	9.01	PASS
4416.00†	4350.38	-258.62	562.65	4374.47	4223.03	-267.79	945.65	-22.23	403.72	45.34	9.03	PASS
4516.00†	4448.05	-267.58	582.15	4473.73	4316.88	-277.00	976.64	-22.23	415.83	46.61	9.04	PASS
4616.00†	4545.72	-276.54	601.65	4573.00	4410.74	-286.22	1007.62	-22.24	427.93	47.88	9.06	PASS
4716.00†	4643.39	-285.51	621.15	4672.26	4504.59	-295.43	1038.61	-22.24	440.04	49.16	9.07	PASS
4816.00†	4741.06	-294.47	640.65	4771.53	4598.44	-304.64	1069.60	-22.24	452.15	50.43	9.08	PASS
4916.00†	4838.73	-303.43	660.15	4870.79	4692.30	-313.85	1100.58	-22.25	464.25	51.71	9.09	PASS
5016.00†	4936.40	-312.40	679.65	4970.05	4786.15	-323.06	1131.57	-22.25	476.36	52.99	9.10	PASS
5116.00†	5034.07	-321.36	699.16	5069.32	4880.00	-332.28	1162.56	-22.25	488.46	54.27	9.11	PASS
5216.00†	5131.74	-330.33	718.66	5168.58	4973.86	-341.49	1193.54	-22.26	500.57	55.56	9.11	PASS
5316.00†	5229.41	-339.29	738.16	5267.85	5067.71	-350.70	1224.53	-22.26	512.68	56.84	9.12	PASS
5416.00†	5327.08	-348.25	757.66	5367.11	5161.56	-359.91	1255.52	-22.26	524.78	58.13	9.13	PASS
5516.00†	5424.75	-357.22	777.16	5466.38	5255.42	-369.12	1286.50	-22.26	536.89	59.42	9.13	PASS
5616.00†	5522.42	-366.18	796.66	5565.64	5349.27	-378.34	1317.49	-22.26	548.99	60.71	9.14	PASS
5716.00†	5620.09	-375.14	816.16	5664.91	5443.12	-387.55	1348.48	-22.27	561.10	62.00	9.14	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-1NAH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NAH (REV-A.0,NIO A CK,) PWP

Facility: SEC.20-T01S-R66W Slot: SLOT#04 BRIGHTON LAKES 20-17-1NAH (400'FSL & 1919'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-1NAH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5816.00†	5717.76	-384.11	835.66	5764.17	5536.98	-396.76	1379.46	-22.27	573.20	63.29	9.15	PASS
5916.00†	5815.43	-393.07	855.16	5863.44	5630.83	-405.97	1410.45	-22.27	585.31	64.59	9.15	PASS
6016.00†	5913.10	-402.03	874.66	5962.70	5724.68	-415.18	1441.44	-22.27	597.42	65.88	9.16	PASS
6116.00†	6010.77	-411.00	894.16	6061.96	5818.54	-424.39	1472.42	-22.27	609.52	67.17	9.16	PASS
6216.00†	6108.44	-419.96	913.66	6161.23	5912.39	-433.61	1503.41	-22.28	621.63	68.47	9.16	PASS
6316.00†	6206.11	-428.92	933.17	6260.49	6006.24	-442.82	1534.40	-22.28	633.73	69.77	9.17	PASS
6416.00†	6303.78	-437.89	952.67	6359.76	6100.09	-452.03	1565.38	-22.28	645.84	71.07	9.17	PASS
6516.00†	6401.45	-446.85	972.17	6459.02	6193.95	-461.24	1596.37	-22.28	657.94	72.36	9.17	PASS
6616.00†	6499.12	-455.81	991.67	6558.29	6287.80	-470.45	1627.36	-22.28	670.05	73.66	9.17	PASS
6716.00†	6596.79	-464.78	1011.17	6657.55	6381.65	-479.67	1658.34	-22.28	682.16	74.96	9.18	PASS
6816.00†	6694.46	-473.74	1030.67	6756.82	6475.51	-488.88	1689.33	-22.28	694.26	76.27	9.18	PASS
6916.00†	6792.13	-482.70	1050.17	6856.08	6569.36	-498.09	1720.32	-22.29	706.37	77.57	9.18	PASS
7016.00†	6889.80	-491.67	1069.67	6955.35	6663.21	-507.30	1751.30	-22.29	718.47	78.87	9.18	PASS
7116.00†	6987.47	-500.63	1089.17	7056.24	6758.88	-509.47	1782.90	-22.86	730.47	80.42	9.15	PASS
7216.00†	7085.14	-509.59	1108.67	7152.11	6848.79	-495.22	1812.62	-24.64	742.70	82.52	9.07	PASS
7226.04	7094.94	-510.49	1110.63	7161.26	6857.22	-493.04	1815.40	-24.87	743.99	82.74	9.06	PASS
7316.00†	7183.06	-511.50	1128.24	7241.05	6929.11	-468.07	1839.18	14.70	756.19	84.50	9.02	PASS
7416.00†	7279.83	-496.13	1147.59	7326.28	7001.45	-430.07	1863.13	42.88	770.62	85.63	9.07	PASS
7516.00†	7372.50	-463.86	1166.15	7408.60	7065.50	-383.03	1884.35	53.36	785.23	85.85	9.21	PASS
7616.00†	7458.27	-415.66	1183.35	7488.65	7121.02	-328.48	1902.76	57.21	799.30	85.31	9.44	PASS
7716.00†	7534.52	-353.01	1198.68	7566.95	7167.83	-267.75	1918.31	58.55	812.16	84.33	9.70	PASS
7816.00†	7598.94	-277.80	1211.65	7643.93	7205.77	-202.04	1930.93	58.86	823.21	83.24	9.97	PASS
7916.00†	7649.57	-192.32	1221.89	7719.94	7234.69	-132.48	1940.58	58.78	832.00	82.34	10.18	PASS
8016.00†	7684.88	-99.18	1229.07	7795.29	7254.49	-60.13	1947.21	58.61	838.14	81.94	10.31	PASS
8116.00†	7703.79	-1.19	1232.99	7870.26	7265.08	13.94	1950.81	58.50	841.41	82.21	10.32	PASS
8177.30	7707.00	60.00	1233.72	7916.14	7267.00	59.77	1951.51	58.49	841.92	82.72	10.26	PASS
8216.00†	7707.00	98.70	1233.77	7954.08	7267.00	97.71	1951.56	58.49	841.92	83.15	10.20	PASS
8316.00†	7707.00	198.70	1233.91	8054.08	7267.00	197.71	1951.70	58.49	841.92	84.53	10.04	PASS
8416.00†	7707.00	298.69	1234.05	8154.08	7267.00	297.71	1951.84	58.49	841.91	86.32	9.83	PASS
8516.00†	7707.00	398.69	1234.19	8254.08	7267.00	397.71	1951.98	58.49	841.91	88.42	9.59	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-1NAH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NAH (REV-A.0,NIO A CK,) PWP

Facility: SEC.20-T01S-R66W Slot: SLOT#04 BRIGHTON LAKES 20-17-1NAH (400'FSL & 1919'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-1NAH Threshold Value=1.00 † = interpolated/extrapolated station

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8616.00†	7707.00	498.69	1234.33	8354.08	7267.00	497.71	1952.11	58.49	841.91	89.98	9.42	PASS
8716.00†	7707.00	598.69	1234.47	8454.08	7267.00	597.71	1952.25	58.49	841.91	93.50	9.07	PASS
8816.00†	7707.00	698.69	1234.61	8554.08	7267.00	697.71	1952.39	58.49	841.90	96.42	8.79	PASS
8916.00†	7707.00	798.69	1234.75	8654.08	7267.00	797.71	1952.53	58.49	841.90	99.56	8.51	PASS
9016.00†	7707.00	898.69	1234.89	8754.08	7267.00	897.71	1952.66	58.49	841.90	102.91	8.23	PASS
9116.00†	7707.00	998.69	1235.03	8854.08	7267.00	997.71	1952.80	58.49	841.90	106.45	7.95	PASS
9216.00†	7707.00	1098.69	1235.17	8954.08	7267.00	1097.71	1952.94	58.49	841.89	110.16	7.69	PASS
9316.00†	7707.00	1198.69	1235.32	9054.08	7267.00	1197.71	1953.08	58.49	841.89	114.01	7.42	PASS
9416.00†	7707.00	1298.69	1235.46	9154.08	7267.00	1297.71	1953.21	58.49	841.89	118.01	7.17	PASS
9516.00†	7707.00	1398.69	1235.60	9254.08	7267.00	1397.71	1953.35	58.49	841.89	122.12	6.93	PASS
9616.00†	7707.00	1498.69	1235.74	9354.08	7267.00	1497.71	1953.49	58.49	841.88	126.35	6.70	PASS
9716.00†	7707.00	1598.69	1235.88	9454.08	7267.00	1597.71	1953.63	58.49	841.88	130.67	6.47	PASS
9816.00†	7707.00	1698.69	1236.02	9554.08	7267.00	1697.71	1953.76	58.49	841.88	135.09	6.26	PASS
9916.00†	7707.00	1798.69	1236.16	9654.08	7267.00	1797.71	1953.90	58.49	841.88	139.59	6.06	PASS
10016.00†	7707.00	1898.69	1236.30	9754.08	7267.00	1897.71	1954.04	58.49	841.87	144.16	5.86	PASS
10116.00†	7707.00	1998.69	1236.44	9854.08	7267.00	1997.71	1954.18	58.49	841.87	148.80	5.68	PASS
10216.00†	7707.00	2098.69	1236.58	9954.08	7267.00	2097.71	1954.31	58.49	841.87	153.50	5.51	PASS
10316.00†	7707.00	2198.69	1236.72	10054.08	7267.00	2197.71	1954.45	58.49	841.87	158.26	5.34	PASS
10416.00†	7707.00	2298.69	1236.86	10154.08	7267.00	2297.71	1954.59	58.49	841.86	163.07	5.18	PASS
10516.00†	7707.00	2398.69	1237.00	10254.08	7267.00	2397.71	1954.73	58.49	841.86	167.92	5.03	PASS
10616.00†	7707.00	2498.69	1237.14	10354.08	7267.00	2497.71	1954.86	58.49	841.86	172.82	4.89	PASS
10716.00†	7707.00	2598.69	1237.28	10454.08	7267.00	2597.71	1955.00	58.49	841.86	177.75	4.75	PASS
10816.00†	7707.00	2698.69	1237.42	10554.08	7267.00	2697.71	1955.14	58.49	841.85	182.72	4.62	PASS
10916.00†	7707.00	2798.69	1237.56	10654.08	7267.00	2797.71	1955.28	58.49	841.85	187.72	4.50	PASS
11016.00†	7707.00	2898.69	1237.70	10754.08	7267.00	2897.71	1955.41	58.49	841.85	192.76	4.38	PASS
11116.00†	7707.00	2998.69	1237.84	10854.08	7267.00	2997.71	1955.55	58.49	841.85	197.82	4.27	PASS
11216.00†	7707.00	3098.69	1237.98	10954.08	7267.00	3097.71	1955.69	58.49	841.84	202.90	4.16	PASS
11316.00†	7707.00	3198.69	1238.12	11054.08	7267.00	3197.71	1955.83	58.49	841.84	208.01	4.06	PASS
11416.00†	7707.00	3298.69	1238.26	11154.08	7267.00	3297.70	1955.96	58.49	841.84	213.15	3.96	PASS
11516.00†	7707.00	3398.69	1238.40	11254.08	7267.00	3397.70	1956.10	58.49	841.84	218.30	3.87	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-1NAH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NAH (REV-A.0,NIO A CK,) PWP

Facility: SEC.20-T01S-R66W Slot: SLOT#04 BRIGHTON LAKES 20-17-1NAH (400'FSL & 1919'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-1NAH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
11616.00†	7707.00	3498.69	1238.55	11354.08	7267.00	3497.70	1956.24	58.49	841.83	223.47	3.78	PASS
11716.00†	7707.00	3598.69	1238.69	11454.08	7267.00	3597.70	1956.38	58.49	841.83	228.66	3.69	PASS
11816.00†	7707.00	3698.69	1238.83	11554.08	7267.00	3697.70	1956.51	58.49	841.83	233.87	3.61	PASS
11916.00†	7707.00	3798.69	1238.97	11654.08	7267.00	3797.70	1956.65	58.49	841.83	239.09	3.53	PASS
12016.00†	7707.00	3898.69	1239.11	11754.08	7267.00	3897.70	1956.79	58.49	841.82	244.33	3.45	PASS
12116.00†	7707.00	3998.69	1239.25	11854.08	7267.00	3997.70	1956.93	58.49	841.82	249.58	3.38	PASS
12216.00†	7707.00	4098.69	1239.39	11954.08	7267.00	4097.70	1957.06	58.49	841.82	254.85	3.31	PASS
12316.00†	7707.00	4198.69	1239.53	12054.08	7267.00	4197.70	1957.20	58.49	841.82	260.12	3.24	PASS
12416.00†	7707.00	4298.69	1239.67	12154.08	7267.00	4297.70	1957.34	58.49	841.81	265.41	3.18	PASS
12516.00†	7707.00	4398.69	1239.81	12254.08	7267.00	4397.70	1957.48	58.49	841.81	270.71	3.12	PASS
12616.00†	7707.00	4498.69	1239.95	12354.08	7267.00	4497.70	1957.61	58.49	841.81	276.02	3.06	PASS
12716.00†	7707.00	4598.69	1240.09	12454.08	7267.00	4597.70	1957.75	58.49	841.81	281.33	3.00	PASS
12816.00†	7707.00	4698.69	1240.23	12554.08	7267.00	4697.70	1957.89	58.49	841.80	286.66	2.94	PASS
12916.00†	7707.00	4798.69	1240.37	12654.08	7267.00	4797.70	1958.03	58.49	841.80	292.00	2.89	PASS
13016.00†	7707.00	4898.69	1240.51	12754.08	7267.00	4897.70	1958.16	58.49	841.80	297.34	2.84	PASS
13116.00†	7707.00	4998.69	1240.65	12854.08	7267.00	4997.70	1958.30	58.49	841.80	302.69	2.79	PASS
13216.00†	7707.00	5098.69	1240.79	12954.08	7267.00	5097.70	1958.44	58.49	841.79	308.05	2.74	PASS
13316.00†	7707.00	5198.69	1240.93	13054.08	7267.00	5197.70	1958.58	58.49	841.79	313.41	2.69	PASS
13416.00†	7707.00	5298.69	1241.07	13154.08	7267.00	5297.70	1958.71	58.49	841.79	318.78	2.64	PASS
13516.00†	7707.00	5398.69	1241.21	13254.08	7267.00	5397.70	1958.85	58.49	841.79	324.16	2.60	PASS
13616.00†	7707.00	5498.69	1241.35	13354.08	7267.00	5497.70	1958.99	58.49	841.78	329.54	2.56	PASS
13716.00†	7707.00	5598.69	1241.49	13454.08	7267.00	5597.70	1959.13	58.49	841.78	334.93	2.52	PASS
13816.00†	7707.00	5698.69	1241.64	13554.08	7267.00	5697.70	1959.27	58.49	841.78	340.33	2.48	PASS
13916.00†	7707.00	5798.69	1241.78	13654.08	7267.00	5797.70	1959.40	58.49	841.78	345.72	2.44	PASS
14016.00†	7707.00	5898.69	1241.92	13754.08	7267.00	5897.70	1959.54	58.49	841.77	351.13	2.40	PASS
14116.00†	7707.00	5998.69	1242.06	13854.08	7267.00	5997.70	1959.68	58.49	841.77	356.54	2.36	PASS
14216.00†	7707.00	6098.69	1242.20	13954.08	7267.00	6097.70	1959.82	58.49	841.77	361.95	2.33	PASS
14316.00†	7707.00	6198.69	1242.34	14054.08	7267.00	6197.70	1959.95	58.49	841.77	367.37	2.29	PASS
14416.00†	7707.00	6298.69	1242.48	14154.08	7267.00	6297.70	1960.09	58.49	841.76	372.79	2.26	PASS
14516.00†	7707.00	6398.69	1242.62	14254.08	7267.00	6397.70	1960.23	58.49	841.76	378.21	2.23	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-1NAH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NAH (REV-A.0,NIO A CK,) PWP

Facility: SEC.20-T01S-R66W Slot: SLOT#04 BRIGHTON LAKES 20-17-1NAH (400'FSL & 1919'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-1NAH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
14616.00†	7707.00	6498.69	1242.76	14354.08	7267.00	6497.70	1960.37	58.49	841.76	383.64	2.20	PASS
14716.00†	7707.00	6598.69	1242.90	14454.08	7267.00	6597.70	1960.50	58.49	841.76	389.07	2.17	PASS
14816.00†	7707.00	6698.69	1243.04	14554.08	7267.00	6697.70	1960.64	58.49	841.76	394.51	2.14	PASS
14916.00†	7707.00	6798.69	1243.18	14654.08	7267.00	6797.70	1960.78	58.49	841.75	399.95	2.11	PASS
15016.00†	7707.00	6898.69	1243.32	14754.08	7267.00	6897.70	1960.92	58.49	841.75	405.39	2.08	PASS
15116.00†	7707.00	6998.69	1243.46	14854.08	7267.00	6997.70	1961.05	58.49	841.75	410.83	2.05	PASS
15216.00†	7707.00	7098.69	1243.60	14954.08	7267.00	7097.70	1961.19	58.49	841.75	416.28	2.02	PASS
15316.00†	7707.00	7198.69	1243.74	15054.08	7267.00	7197.70	1961.33	58.49	841.74	421.73	2.00	PASS
15416.00†	7707.00	7298.69	1243.88	15154.08	7267.00	7297.70	1961.47	58.49	841.74	427.18	1.97	PASS
15516.00†	7707.00	7398.69	1244.02	15254.08	7267.00	7397.70	1961.60	58.49	841.74	432.64	1.95	PASS
15616.00†	7707.00	7498.69	1244.16	15354.08	7267.00	7497.70	1961.74	58.48	841.74	438.10	1.92	PASS
15716.00†	7707.00	7598.69	1244.30	15454.08	7267.00	7597.70	1961.88	58.48	841.73	443.56	1.90	PASS
15816.00†	7707.00	7698.69	1244.44	15554.08	7267.00	7697.70	1962.02	58.48	841.73	449.02	1.88	PASS
15916.00†	7707.00	7798.69	1244.58	15654.08	7267.00	7797.70	1962.15	58.48	841.73	454.48	1.85	PASS
16016.00†	7707.00	7898.69	1244.73	15754.08	7267.00	7897.70	1962.29	58.48	841.73	459.95	1.83	PASS
16116.00†	7707.00	7998.69	1244.87	15854.08	7267.00	7997.70	1962.43	58.48	841.72	465.42	1.81	PASS
16216.00†	7707.00	8098.69	1245.01	15954.08	7267.00	8097.70	1962.57	58.48	841.72	470.89	1.79	PASS
16316.00†	7707.00	8198.69	1245.15	16054.08	7267.00	8197.70	1962.70	58.48	841.72	476.36	1.77	PASS
16416.00†	7707.00	8298.69	1245.29	16154.08	7267.00	8297.70	1962.84	58.48	841.72	481.84	1.75	PASS
16516.00†	7707.00	8398.69	1245.43	16254.08	7267.00	8397.70	1962.98	58.48	841.71	487.31	1.73	PASS
16616.00†	7707.00	8498.69	1245.57	16354.08	7267.00	8497.70	1963.12	58.48	841.71	492.79	1.71	PASS
16716.00†	7707.00	8598.69	1245.71	16454.08	7267.00	8597.70	1963.25	58.48	841.71	498.27	1.69	PASS
16816.00†	7707.00	8698.69	1245.85	16554.08	7267.00	8697.70	1963.39	58.48	841.71	503.75	1.67	PASS
16916.00†	7707.00	8798.69	1245.99	16654.08	7267.00	8797.70	1963.53	58.48	841.70	509.24	1.65	PASS
17016.00†	7707.00	8898.69	1246.13	16754.08	7267.00	8897.70	1963.67	58.48	841.70	514.72	1.64	PASS
17116.00†	7707.00	8998.69	1246.27	16854.08	7267.00	8997.70	1963.80	58.48	841.70	520.21	1.62	PASS
17216.00†	7707.00	9098.69	1246.41	16954.08	7267.00	9097.70	1963.94	58.48	841.70	525.69	1.60	PASS
17316.00†	7707.00	9198.69	1246.55	17054.08	7267.00	9197.70	1964.08	58.48	841.69	531.18	1.59	PASS
17416.00†	7707.00	9298.69	1246.69	17154.08	7267.00	9297.70	1964.22	58.48	841.69	536.67	1.57	PASS
17516.00†	7707.00	9398.69	1246.83	17254.08	7267.00	9397.70	1964.35	58.48	841.69	542.16	1.55	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-1NAH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NAH (REV-A.0,NIO A CK,) PWP

Facility: SEC.20-T01S-R66W Slot: SLOT#04 BRIGHTON LAKES 20-17-1NAH (400'FSL & 1919'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-1NAH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17616.00†	7707.00	9498.69	1246.97	17354.08	7267.00	9497.70	1964.49	58.48	841.69	547.65	1.54	PASS
17716.00†	7707.00	9598.69	1247.11	17454.08	7267.00	9597.70	1964.63	58.48	841.68	553.15	1.52	PASS
17814.58	7707.00	9697.26	1247.25	17552.66	7267.00	9696.28	1964.76	58.48	841.68	558.56	1.51	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: BRIGHTON LAKES 20-17-1NAH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NAH (REV-A.0,NIO A CK,) PWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: BRIGHTON LAKES 20-17-1NAH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NAH (REV-A.0,NIO A CK,) 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]
13.5in Open Hole	16.00	882.00	866.00	16.00	882.00	0.00	27.35	0.00	27.35
9.625in Casing Surface	16.00	882.00	866.00	16.00	882.00	0.00	27.35	0.00	27.35
8.5in Open Hole	882.00	17558.00	16676.00	882.00	N/A	0.00	27.35	N/A	N/A

SURVEY PROGRAM - Offset Wellbore: BRIGHTON LAKES 20-17-1NAH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NAH (REV-A.0,NIO A CK,) PWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
16.00	882.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		BRIGHTON LAKES 20-17-1NAH PWB
882.00	17557.33	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)		BRIGHTON LAKES 20-17-1NAH PWB



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: BRIGHTON LAKES 20-17-1NAH PWB Offset Wellpath: BRIGHTON LAKES 20-17-1NAH (REV-A.0,NIO A CK,) PWP	
MD Reference: RIG (16'RKB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	16.00ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-2NBH PWB Offset Wellpath: BRIGHTON LAKES 20-17-2NBH (NIO B CK, REV-A.0) PWP

Facility: SEC.20-T01S-R66W Slot: SLOT#05 BRIGHTON LAKES 20-17-2NBH (400'FSL & 1934'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-2NBH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
16.00	16.00	0.00	0.00	16.00	16.00	0.00	58.88	90.00	58.88	1.56	96.53	PASS
116.00†	116.00	0.00	0.00	116.00	116.00	0.00	58.88	90.00	58.88	1.89	62.30	PASS
216.00†	216.00	0.00	0.00	216.00	216.00	0.00	58.88	90.00	58.88	2.47	38.46	PASS
316.00†	316.00	0.00	0.00	316.00	316.00	0.00	58.88	90.00	58.88	3.08	27.42	PASS
416.00†	416.00	0.00	0.00	416.00	416.00	0.00	58.88	90.00	58.88	3.69	21.23	PASS
516.00†	516.00	0.00	0.00	516.00	516.00	0.00	58.88	90.00	58.88	4.31	17.29	PASS
616.00†	616.00	0.00	0.00	616.00	616.00	0.00	58.88	90.00	58.88	4.94	14.58	PASS
716.00†	716.00	0.00	0.00	716.00	716.00	0.00	58.88	90.00	58.88	5.56	12.60	PASS
816.00†	816.00	0.00	0.00	816.00	816.00	0.00	58.88	90.00	58.88	6.19	11.09	PASS
916.00†	916.00	0.00	0.00	916.00	916.00	0.00	58.88	90.00	58.88	6.25	10.49	PASS
1016.00†	1016.00	0.00	0.00	1016.00	1016.00	0.00	58.88	90.00	58.88	6.40	10.22	PASS
1116.00†	1116.00	0.00	0.00	1116.00	1116.00	0.00	58.88	90.00	58.88	6.73	9.67	PASS
1216.00†	1216.00	0.00	0.00	1213.30	1213.27	-0.52	60.86	90.49	60.92	7.37	9.04	PASS
1316.00†	1316.00	0.00	0.00	1309.89	1309.60	-2.28	67.53	91.94	67.87	8.60	8.51	PASS
1325.00	1325.00	0.00	0.00	1318.55	1318.21	-2.50	68.36	92.10	68.74	8.71	8.50	PASS
1416.00†	1415.97	-0.91	1.97	1405.81	1404.80	-5.26	78.81	-21.32	77.77	10.05	8.24	PASS
1516.00†	1515.68	-3.99	8.67	1501.25	1498.82	-9.43	94.60	-20.76	87.74	11.73	7.90	PASS
1616.00†	1614.88	-9.24	20.10	1596.23	1591.46	-14.76	114.80	-20.81	97.71	13.36	7.67	PASS
1716.00†	1713.27	-16.66	36.24	1690.74	1682.50	-21.23	139.31	-21.29	107.66	14.86	7.56	PASS
1738.11	1734.90	-18.59	40.44	1711.58	1702.40	-22.81	145.29	-21.44	109.86	15.12	7.57	PASS
1816.00†	1810.97	-25.57	55.63	1784.64	1771.60	-28.79	167.93	-21.89	119.05	15.88	7.80	PASS
1916.00†	1908.64	-34.53	75.13	1882.53	1863.44	-37.44	200.71	-22.15	133.50	16.72	8.29	PASS
2016.00†	2006.31	-43.50	94.63	1981.47	1956.23	-46.21	233.90	-22.35	148.03	17.52	8.76	PASS
2116.00†	2103.98	-52.46	114.13	2080.41	2049.02	-54.97	267.10	-22.52	162.56	18.50	9.09	PASS
2216.00†	2201.65	-61.42	133.63	2179.35	2141.81	-63.74	300.29	-22.66	177.09	19.46	9.40	PASS
2316.00†	2299.32	-70.39	153.13	2278.28	2234.60	-72.50	333.49	-22.78	191.63	20.47	9.66	PASS
2416.00†	2396.99	-79.35	172.63	2377.22	2327.39	-81.26	366.68	-22.88	206.16	21.53	9.87	PASS
2516.00†	2494.66	-88.31	192.13	2476.16	2420.18	-90.03	399.88	-22.97	220.70	22.61	10.05	PASS
2616.00†	2592.33	-97.28	211.63	2575.10	2512.97	-98.79	433.07	-23.05	235.23	23.72	10.19	PASS
2716.00†	2690.00	-106.24	231.13	2674.03	2605.76	-107.55	466.26	-23.11	249.77	24.85	10.32	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-2NBH PWB Offset Wellpath: BRIGHTON LAKES 20-17-2NBH (NIO B CK, REV-A.0) PWP

Facility: SEC.20-T01S-R66W Slot: SLOT#05 BRIGHTON LAKES 20-17-2NBH (400'FSL & 1934'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-2NBH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2816.00†	2787.67	-115.20	250.64	2772.97	2698.55	-116.32	499.46	-23.17	264.30	26.01	10.42	PASS
2916.00†	2885.34	-124.17	270.14	2871.91	2791.34	-125.08	532.65	-23.23	278.84	27.18	10.51	PASS
3016.00†	2983.01	-133.13	289.64	2970.85	2884.13	-133.85	565.85	-23.28	293.38	28.37	10.58	PASS
3116.00†	3080.68	-142.09	309.14	3069.78	2976.92	-142.61	599.04	-23.32	307.92	29.58	10.64	PASS
3216.00†	3178.35	-151.06	328.64	3168.72	3069.71	-151.37	632.24	-23.36	322.45	30.79	10.70	PASS
3316.00†	3276.02	-160.02	348.14	3267.66	3162.50	-160.14	665.43	-23.40	336.99	32.02	10.74	PASS
3416.00†	3373.69	-168.98	367.64	3366.60	3255.29	-168.90	698.63	-23.43	351.53	33.25	10.78	PASS
3516.00†	3471.36	-177.95	387.14	3465.53	3348.08	-177.66	731.82	-23.46	366.06	34.50	10.81	PASS
3616.00†	3569.03	-186.91	406.64	3564.47	3440.87	-186.43	765.02	-23.49	380.60	35.75	10.84	PASS
3716.00†	3666.70	-195.87	426.14	3663.41	3533.66	-195.19	798.21	-23.52	395.14	37.01	10.87	PASS
3816.00†	3764.37	-204.84	445.64	3762.35	3626.45	-203.96	831.41	-23.54	409.68	38.27	10.89	PASS
3916.00†	3862.04	-213.80	465.14	3861.28	3719.24	-212.72	864.60	-23.57	424.21	39.54	10.91	PASS
4016.00†	3959.70	-222.76	484.65	3960.22	3812.02	-221.48	897.80	-23.59	438.75	40.82	10.92	PASS
4116.00†	4057.37	-231.73	504.15	4059.16	3904.81	-230.25	930.99	-23.61	453.29	42.10	10.93	PASS
4216.00†	4155.04	-240.69	523.65	4158.10	3997.60	-239.01	964.19	-23.63	467.83	43.38	10.95	PASS
4316.00†	4252.71	-249.65	543.15	4257.03	4090.39	-247.78	997.38	-23.65	482.37	44.67	10.96	PASS
4416.00†	4350.38	-258.62	562.65	4355.97	4183.18	-256.54	1030.57	-23.66	496.90	45.96	10.96	PASS
4516.00†	4448.05	-267.58	582.15	4454.91	4275.97	-265.30	1063.77	-23.68	511.44	47.26	10.97	PASS
4616.00†	4545.72	-276.54	601.65	4553.85	4368.76	-274.07	1096.96	-23.69	525.98	48.55	10.98	PASS
4716.00†	4643.39	-285.51	621.15	4652.78	4461.55	-282.83	1130.16	-23.71	540.52	49.85	10.98	PASS
4816.00†	4741.06	-294.47	640.65	4751.72	4554.34	-291.59	1163.35	-23.72	555.06	51.16	10.99	PASS
4916.00†	4838.73	-303.43	660.15	4850.66	4647.13	-300.36	1196.55	-23.73	569.60	52.46	10.99	PASS
5016.00†	4936.40	-312.40	679.65	4949.60	4739.92	-309.12	1229.74	-23.75	584.13	53.77	11.00	PASS
5116.00†	5034.07	-321.36	699.16	5048.53	4832.71	-317.89	1262.94	-23.76	598.67	55.08	11.00	PASS
5216.00†	5131.74	-330.33	718.66	5147.47	4925.50	-326.65	1296.13	-23.77	613.21	56.39	11.00	PASS
5316.00†	5229.41	-339.29	738.16	5246.41	5018.29	-335.41	1329.33	-23.78	627.75	57.70	11.00	PASS
5416.00†	5327.08	-348.25	757.66	5345.35	5111.08	-344.18	1362.52	-23.79	642.29	59.02	11.00	PASS
5516.00†	5424.75	-357.22	777.16	5444.28	5203.87	-352.94	1395.72	-23.80	656.83	60.33	11.00	PASS
5616.00†	5522.42	-366.18	796.66	5543.22	5296.66	-361.71	1428.91	-23.81	671.36	61.65	11.00	PASS
5716.00†	5620.09	-375.14	816.16	5642.16	5389.45	-370.47	1462.11	-23.82	685.90	62.97	11.01	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-2NBH PWB Offset Wellpath: BRIGHTON LAKES 20-17-2NBH (NIO B CK, REV-A.0) PWP

Facility: SEC.20-T01S-R66W Slot: SLOT#05 BRIGHTON LAKES 20-17-2NBH (400'FSL & 1934'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-2NBH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5816.00†	5717.76	-384.11	835.66	5741.10	5482.24	-379.23	1495.30	-23.82	700.44	64.29	11.01	PASS
5916.00†	5815.43	-393.07	855.16	5840.03	5575.03	-388.00	1528.50	-23.83	714.98	65.61	11.01	PASS
6016.00†	5913.10	-402.03	874.66	5938.97	5667.82	-396.76	1561.69	-23.84	729.52	66.93	11.01	PASS
6116.00†	6010.77	-411.00	894.16	6037.91	5760.61	-405.52	1594.88	-23.85	744.06	68.25	11.01	PASS
6216.00†	6108.44	-419.96	913.66	6136.85	5853.40	-414.29	1628.08	-23.85	758.59	69.58	11.00	PASS
6316.00†	6206.11	-428.92	933.17	6235.78	5946.19	-423.05	1661.27	-23.86	773.13	70.90	11.00	PASS
6416.00†	6303.78	-437.89	952.67	6334.72	6038.98	-431.82	1694.47	-23.87	787.67	72.23	11.00	PASS
6516.00†	6401.45	-446.85	972.17	6433.66	6131.77	-440.58	1727.66	-23.87	802.21	73.55	11.00	PASS
6616.00†	6499.12	-455.81	991.67	6532.60	6224.56	-449.34	1760.86	-23.88	816.75	74.88	11.00	PASS
6716.00†	6596.79	-464.78	1011.17	6631.53	6317.35	-458.11	1794.05	-23.89	831.29	76.21	11.00	PASS
6816.00†	6694.46	-473.74	1030.67	6730.47	6410.14	-466.87	1827.25	-23.89	845.83	77.54	11.00	PASS
6916.00†	6792.13	-482.70	1050.17	6829.41	6502.93	-475.64	1860.44	-23.90	860.36	78.87	11.00	PASS
7016.00†	6889.80	-491.67	1069.67	6928.35	6595.72	-484.40	1893.64	-23.90	874.90	80.20	11.00	PASS
7116.00†	6987.47	-500.63	1089.17	7027.28	6688.51	-493.16	1926.83	-23.91	889.44	81.53	11.00	PASS
7216.00†	7085.14	-509.59	1108.67	7126.22	6781.30	-501.93	1960.03	-23.91	903.98	82.86	10.99	PASS
7226.04	7094.94	-510.49	1110.63	7136.15	6790.61	-502.81	1963.36	-23.91	905.44	83.00	10.99	PASS
7316.00†	7183.06	-511.50	1128.24	7224.69	6873.68	-510.10	1993.08	17.93	918.51	83.81	11.04	PASS
7416.00†	7279.83	-496.13	1147.59	7323.52	6966.54	-506.00	2026.31	48.70	932.95	84.30	11.15	PASS
7516.00†	7372.50	-463.86	1166.15	7424.45	7059.23	-484.41	2059.52	61.53	946.92	84.55	11.29	PASS
7616.00†	7458.27	-415.66	1183.35	7527.67	7148.83	-444.84	2091.63	67.46	959.99	84.57	11.44	PASS
7716.00†	7534.52	-353.01	1198.68	7633.26	7232.05	-387.38	2121.49	70.57	971.73	84.56	11.58	PASS
7816.00†	7598.94	-277.80	1211.65	7741.22	7305.40	-312.92	2147.85	72.33	981.76	84.63	11.69	PASS
7916.00†	7649.57	-192.32	1221.89	7851.34	7365.34	-223.29	2169.42	73.36	989.73	84.89	11.75	PASS
8016.00†	7684.88	-99.18	1229.07	7963.28	7408.59	-121.43	2185.04	73.95	995.34	85.37	11.75	PASS
8116.00†	7703.79	-1.19	1232.99	8076.49	7432.56	-11.32	2193.76	74.25	998.38	86.11	11.68	PASS
8177.30	7707.00	60.00	1233.72	8146.24	7436.99	58.22	2195.44	74.32	998.91	86.64	11.62	PASS
8216.00†	7707.00	98.70	1233.77	8185.40	7437.00	97.38	2195.50	74.32	998.91	86.99	11.57	PASS
8316.00†	7707.00	198.70	1233.91	8285.40	7437.00	197.38	2195.64	74.32	998.91	88.23	11.41	PASS
8416.00†	7707.00	298.69	1234.05	8385.40	7437.00	297.38	2195.77	74.32	998.91	89.95	11.18	PASS
8516.00†	7707.00	398.69	1234.19	8485.40	7437.00	397.38	2195.91	74.32	998.90	92.07	10.93	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-2NBH PWB Offset Wellpath: BRIGHTON LAKES 20-17-2NBH (NIO B CK, REV-A.0) PWP

Facility: SEC.20-T01S-R66W Slot: SLOT#05 BRIGHTON LAKES 20-17-2NBH (400'FSL & 1934'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-2NBH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8616.00†	7707.00	498.69	1234.33	8585.40	7437.00	497.38	2196.05	74.32	998.90	94.53	10.64	PASS
8716.00†	7707.00	598.69	1234.47	8685.40	7437.00	597.38	2196.18	74.32	998.89	98.21	10.24	PASS
8816.00†	7707.00	698.69	1234.61	8785.40	7437.00	697.38	2196.32	74.32	998.89	100.43	10.01	PASS
8916.00†	7707.00	798.69	1234.75	8885.40	7437.00	797.38	2196.46	74.32	998.89	103.81	9.68	PASS
9016.00†	7707.00	898.69	1234.89	8985.40	7437.00	897.38	2196.59	74.32	998.88	107.43	9.35	PASS
9116.00†	7707.00	998.69	1235.03	9085.40	7437.00	997.38	2196.73	74.32	998.88	111.27	9.03	PASS
9216.00†	7707.00	1098.69	1235.17	9185.40	7437.00	1097.38	2196.87	74.32	998.88	115.32	8.71	PASS
9316.00†	7707.00	1198.69	1235.32	9285.40	7437.00	1197.38	2197.00	74.32	998.87	119.54	8.40	PASS
9416.00†	7707.00	1298.69	1235.46	9385.40	7437.00	1297.38	2197.14	74.32	998.87	123.93	8.10	PASS
9516.00†	7707.00	1398.69	1235.60	9485.40	7437.00	1397.38	2197.28	74.32	998.86	128.46	7.81	PASS
9616.00†	7707.00	1498.69	1235.74	9585.40	7437.00	1497.38	2197.41	74.32	998.86	133.12	7.54	PASS
9716.00†	7707.00	1598.69	1235.88	9685.40	7437.00	1597.38	2197.55	74.32	998.86	137.90	7.28	PASS
9816.00†	7707.00	1698.69	1236.02	9785.40	7437.00	1697.38	2197.69	74.32	998.85	142.79	7.03	PASS
9916.00†	7707.00	1798.69	1236.16	9885.40	7437.00	1797.38	2197.82	74.32	998.85	147.77	6.79	PASS
10016.00†	7707.00	1898.69	1236.30	9985.40	7437.00	1897.38	2197.96	74.32	998.85	152.83	6.56	PASS
10116.00†	7707.00	1998.69	1236.44	10085.40	7437.00	1997.38	2198.10	74.32	998.84	157.97	6.35	PASS
10216.00†	7707.00	2098.69	1236.58	10185.40	7437.00	2097.38	2198.23	74.32	998.84	163.18	6.14	PASS
10316.00†	7707.00	2198.69	1236.72	10285.40	7437.00	2197.38	2198.37	74.32	998.83	168.46	5.95	PASS
10416.00†	7707.00	2298.69	1236.86	10385.40	7437.00	2297.38	2198.51	74.32	998.83	173.79	5.77	PASS
10516.00†	7707.00	2398.69	1237.00	10485.40	7437.00	2397.38	2198.64	74.32	998.83	179.17	5.59	PASS
10616.00†	7707.00	2498.69	1237.14	10585.40	7437.00	2497.38	2198.78	74.32	998.82	184.61	5.43	PASS
10716.00†	7707.00	2598.69	1237.28	10685.40	7437.00	2597.38	2198.92	74.32	998.82	190.08	5.27	PASS
10816.00†	7707.00	2698.69	1237.42	10785.40	7437.00	2697.38	2199.05	74.32	998.82	195.60	5.12	PASS
10916.00†	7707.00	2798.69	1237.56	10885.40	7437.00	2797.38	2199.19	74.32	998.81	201.15	4.98	PASS
11016.00†	7707.00	2898.69	1237.70	10985.40	7437.00	2897.38	2199.32	74.32	998.81	206.74	4.84	PASS
11116.00†	7707.00	2998.69	1237.84	11085.40	7437.00	2997.38	2199.46	74.32	998.80	212.35	4.72	PASS
11216.00†	7707.00	3098.69	1237.98	11185.40	7437.00	3097.38	2199.60	74.32	998.80	218.00	4.59	PASS
11316.00†	7707.00	3198.69	1238.12	11285.40	7437.00	3197.38	2199.73	74.32	998.80	223.67	4.48	PASS
11416.00†	7707.00	3298.69	1238.26	11385.40	7437.00	3297.38	2199.87	74.32	998.79	229.37	4.36	PASS
11516.00†	7707.00	3398.69	1238.40	11485.40	7437.00	3397.38	2200.01	74.32	998.79	235.09	4.26	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-2NBH PWB Offset Wellpath: BRIGHTON LAKES 20-17-2NBH (NIO B CK, REV-A.0) PWP

Facility: SEC.20-T01S-R66W Slot: SLOT#05 BRIGHTON LAKES 20-17-2NBH (400'FSL & 1934'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-2NBH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
11616.00†	7707.00	3498.69	1238.55	11585.40	7437.00	3497.38	2200.14	74.32	998.79	240.83	4.16	PASS
11716.00†	7707.00	3598.69	1238.69	11685.40	7437.00	3597.38	2200.28	74.32	998.78	246.59	4.06	PASS
11816.00†	7707.00	3698.69	1238.83	11785.40	7437.00	3697.38	2200.42	74.32	998.78	252.37	3.97	PASS
11916.00†	7707.00	3798.69	1238.97	11885.40	7437.00	3797.38	2200.55	74.32	998.77	258.16	3.88	PASS
12016.00†	7707.00	3898.69	1239.11	11985.40	7437.00	3897.38	2200.69	74.32	998.77	263.97	3.79	PASS
12116.00†	7707.00	3998.69	1239.25	12085.40	7437.00	3997.38	2200.83	74.32	998.77	269.80	3.71	PASS
12216.00†	7707.00	4098.69	1239.39	12185.40	7437.00	4097.38	2200.96	74.32	998.76	275.64	3.63	PASS
12316.00†	7707.00	4198.69	1239.53	12285.40	7437.00	4197.38	2201.10	74.32	998.76	281.49	3.55	PASS
12416.00†	7707.00	4298.69	1239.67	12385.40	7437.00	4297.38	2201.24	74.32	998.76	287.36	3.48	PASS
12516.00†	7707.00	4398.69	1239.81	12485.40	7437.00	4397.38	2201.37	74.32	998.75	293.24	3.41	PASS
12616.00†	7707.00	4498.69	1239.95	12585.40	7437.00	4497.38	2201.51	74.32	998.75	299.12	3.34	PASS
12716.00†	7707.00	4598.69	1240.09	12685.40	7437.00	4597.38	2201.65	74.32	998.74	305.02	3.28	PASS
12816.00†	7707.00	4698.69	1240.23	12785.40	7437.00	4697.38	2201.78	74.32	998.74	310.93	3.22	PASS
12916.00†	7707.00	4798.69	1240.37	12885.40	7437.00	4797.38	2201.92	74.32	998.74	316.85	3.16	PASS
13016.00†	7707.00	4898.69	1240.51	12985.40	7437.00	4897.38	2202.06	74.32	998.73	322.77	3.10	PASS
13116.00†	7707.00	4998.69	1240.65	13085.40	7437.00	4997.38	2202.19	74.32	998.73	328.70	3.04	PASS
13216.00†	7707.00	5098.69	1240.79	13185.40	7437.00	5097.38	2202.33	74.32	998.73	334.65	2.99	PASS
13316.00†	7707.00	5198.69	1240.93	13285.40	7437.00	5197.38	2202.47	74.32	998.72	340.59	2.94	PASS
13416.00†	7707.00	5298.69	1241.07	13385.40	7437.00	5297.38	2202.60	74.32	998.72	346.55	2.89	PASS
13516.00†	7707.00	5398.69	1241.21	13485.40	7437.00	5397.38	2202.74	74.32	998.71	352.51	2.84	PASS
13616.00†	7707.00	5498.69	1241.35	13585.40	7437.00	5497.38	2202.88	74.32	998.71	358.48	2.79	PASS
13716.00†	7707.00	5598.69	1241.49	13685.40	7437.00	5597.38	2203.01	74.32	998.71	364.45	2.74	PASS
13816.00†	7707.00	5698.69	1241.64	13785.40	7437.00	5697.38	2203.15	74.32	998.70	370.43	2.70	PASS
13916.00†	7707.00	5798.69	1241.78	13885.40	7437.00	5797.38	2203.29	74.32	998.70	376.42	2.66	PASS
14016.00†	7707.00	5898.69	1241.92	13985.40	7437.00	5897.38	2203.42	74.32	998.70	382.41	2.61	PASS
14116.00†	7707.00	5998.69	1242.06	14085.40	7437.00	5997.38	2203.56	74.32	998.69	388.40	2.57	PASS
14216.00†	7707.00	6098.69	1242.20	14185.40	7437.00	6097.38	2203.69	74.32	998.69	394.40	2.53	PASS
14316.00†	7707.00	6198.69	1242.34	14285.40	7437.00	6197.38	2203.83	74.32	998.68	400.41	2.50	PASS
14416.00†	7707.00	6298.69	1242.48	14385.40	7437.00	6297.38	2203.97	74.32	998.68	406.42	2.46	PASS
14516.00†	7707.00	6398.69	1242.62	14485.40	7437.00	6397.38	2204.10	74.31	998.68	412.43	2.42	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-2NBH PWB Offset Wellpath: BRIGHTON LAKES 20-17-2NBH (NIO B CK, REV-A.0) PWP

Facility: SEC.20-T01S-R66W Slot: SLOT#05 BRIGHTON LAKES 20-17-2NBH (400'FSL & 1934'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-2NBH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
14616.00†	7707.00	6498.69	1242.76	14585.40	7437.00	6497.38	2204.24	74.31	998.67	418.44	2.39	PASS
14716.00†	7707.00	6598.69	1242.90	14685.40	7437.00	6597.38	2204.38	74.31	998.67	424.46	2.36	PASS
14816.00†	7707.00	6698.69	1243.04	14785.40	7437.00	6697.38	2204.51	74.31	998.67	430.49	2.32	PASS
14916.00†	7707.00	6798.69	1243.18	14885.40	7437.00	6797.38	2204.65	74.31	998.66	436.51	2.29	PASS
15016.00†	7707.00	6898.69	1243.32	14985.40	7437.00	6897.38	2204.79	74.31	998.66	442.55	2.26	PASS
15116.00†	7707.00	6998.69	1243.46	15085.40	7437.00	6997.38	2204.92	74.31	998.66	448.58	2.23	PASS
15216.00†	7707.00	7098.69	1243.60	15185.40	7437.00	7097.38	2205.06	74.31	998.65	454.62	2.20	PASS
15316.00†	7707.00	7198.69	1243.74	15285.40	7437.00	7197.38	2205.20	74.31	998.65	460.65	2.17	PASS
15416.00†	7707.00	7298.69	1243.88	15385.40	7437.00	7297.38	2205.33	74.31	998.64	466.70	2.14	PASS
15516.00†	7707.00	7398.69	1244.02	15485.40	7437.00	7397.38	2205.47	74.31	998.64	472.74	2.11	PASS
15616.00†	7707.00	7498.69	1244.16	15585.40	7437.00	7497.37	2205.61	74.31	998.64	478.79	2.09	PASS
15716.00†	7707.00	7598.69	1244.30	15685.40	7437.00	7597.37	2205.74	74.31	998.63	484.84	2.06	PASS
15816.00†	7707.00	7698.69	1244.44	15785.40	7437.00	7697.37	2205.88	74.31	998.63	490.89	2.04	PASS
15916.00†	7707.00	7798.69	1244.58	15885.40	7437.00	7797.37	2206.02	74.31	998.63	496.95	2.01	PASS
16016.00†	7707.00	7898.69	1244.73	15985.40	7437.00	7897.37	2206.15	74.31	998.62	503.00	1.99	PASS
16116.00†	7707.00	7998.69	1244.87	16085.40	7437.00	7997.37	2206.29	74.31	998.62	509.06	1.96	PASS
16216.00†	7707.00	8098.69	1245.01	16185.40	7437.00	8097.37	2206.43	74.31	998.61	515.12	1.94	PASS
16316.00†	7707.00	8198.69	1245.15	16285.40	7437.00	8197.37	2206.56	74.31	998.61	521.19	1.92	PASS
16416.00†	7707.00	8298.69	1245.29	16385.40	7437.00	8297.37	2206.70	74.31	998.61	527.25	1.90	PASS
16516.00†	7707.00	8398.69	1245.43	16485.40	7437.00	8397.37	2206.84	74.31	998.60	533.32	1.87	PASS
16616.00†	7707.00	8498.69	1245.57	16585.40	7437.00	8497.37	2206.97	74.31	998.60	539.39	1.85	PASS
16716.00†	7707.00	8598.69	1245.71	16685.40	7437.00	8597.37	2207.11	74.31	998.60	545.46	1.83	PASS
16816.00†	7707.00	8698.69	1245.85	16785.40	7437.00	8697.37	2207.25	74.31	998.59	551.53	1.81	PASS
16916.00†	7707.00	8798.69	1245.99	16885.40	7437.00	8797.37	2207.38	74.31	998.59	557.60	1.79	PASS
17016.00†	7707.00	8898.69	1246.13	16985.40	7437.00	8897.37	2207.52	74.31	998.58	563.68	1.77	PASS
17116.00†	7707.00	8998.69	1246.27	17085.40	7437.00	8997.37	2207.65	74.31	998.58	569.76	1.75	PASS
17216.00†	7707.00	9098.69	1246.41	17185.40	7437.00	9097.37	2207.79	74.31	998.58	575.83	1.74	PASS
17316.00†	7707.00	9198.69	1246.55	17285.40	7437.00	9197.37	2207.93	74.31	998.57	581.91	1.72	PASS
17416.00†	7707.00	9298.69	1246.69	17385.40	7437.00	9297.37	2208.06	74.31	998.57	587.99	1.70	PASS
17516.00†	7707.00	9398.69	1246.83	17485.40	7437.00	9397.37	2208.20	74.31	998.57	594.08	1.68	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-2NBH PWB Offset Wellpath: BRIGHTON LAKES 20-17-2NBH (NIO B CK, REV-A.0) PWP

Facility: SEC.20-T01S-R66W Slot: SLOT#05 BRIGHTON LAKES 20-17-2NBH (400'FSL & 1934'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-2NBH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17616.00†	7707.00	9498.69	1246.97	17585.40	7437.00	9497.37	2208.34	74.31	998.56	600.16	1.66	PASS
17716.00†	7707.00	9598.69	1247.11	17685.40	7437.00	9597.37	2208.47	74.31	998.56	606.25	1.65	PASS
17814.58	7707.00	9697.26	1247.25	17783.98	7437.00	9695.95	2208.61	74.31	998.55	612.24	1.63	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: BRIGHTON LAKES 20-17-2NBH PWB Offset Wellpath: BRIGHTON LAKES 20-17-2NBH (NIO B CK, REV-A.0) PWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: BRIGHTON LAKES 20-17-2NBH PWB Offset Wellpath: BRIGHTON LAKES 20-17-2NBH (NIO B CK, REV-A.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]
13.5in Open Hole	16.00	882.00	866.00	16.00	882.00	0.00	35.89	0.00	35.89
9.625in Casing Surface	16.00	882.00	866.00	16.00	882.00	0.00	35.89	0.00	35.89
8.5in Open Hole	882.00	17790.00	16908.00	882.00	N/A	0.00	35.89	N/A	N/A

SURVEY PROGRAM - Offset Wellbore: BRIGHTON LAKES 20-17-2NBH PWB Offset Wellpath: BRIGHTON LAKES 20-17-2NBH (NIO B CK, REV-A.0) PWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
16.00	882.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		BRIGHTON LAKES 20-17-2NBH PWB
882.00	17789.00	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)		BRIGHTON LAKES 20-17-2NBH PWB



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: BRIGHTON LAKES 20-17-2NBH PWB Offset Wellpath: BRIGHTON LAKES 20-17-2NBH (NIO B CK, REV-A.0) PWP	
MD Reference: RIG (16'RKB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	16.00ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-2NCH PWB Offset Wellpath: BRIGHTON LAKES 20-17-2NCH (REV-A.0, NIO C CK)

Facility: SEC.20-T01S-R66W Slot: SLOT#06 BRIGHTON LAKES 20-17-2NCH (400'FSL & 1949'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-2NCH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
16.00	16.00	0.00	0.00	16.00	16.00	0.00	75.71	90.00	75.71	1.56	124.57	PASS
116.00†	116.00	0.00	0.00	116.00	116.00	0.00	75.71	90.00	75.71	1.89	80.38	PASS
216.00†	216.00	0.00	0.00	216.00	216.00	0.00	75.71	90.00	75.71	2.47	49.62	PASS
316.00†	316.00	0.00	0.00	316.00	316.00	0.00	75.71	90.00	75.71	3.08	35.38	PASS
416.00†	416.00	0.00	0.00	416.00	416.00	0.00	75.71	90.00	75.71	3.69	27.39	PASS
516.00†	516.00	0.00	0.00	516.00	516.00	0.00	75.71	90.00	75.71	4.31	22.32	PASS
616.00†	616.00	0.00	0.00	616.00	616.00	0.00	75.71	90.00	75.71	4.94	18.82	PASS
716.00†	716.00	0.00	0.00	716.00	716.00	0.00	75.71	90.00	75.71	5.56	16.26	PASS
816.00†	816.00	0.00	0.00	816.00	816.00	0.00	75.71	90.00	75.71	6.19	14.31	PASS
916.00†	916.00	0.00	0.00	916.00	916.00	0.00	75.71	90.00	75.71	6.25	13.52	PASS
1016.00†	1016.00	0.00	0.00	1016.00	1016.00	0.00	75.71	90.00	75.71	6.40	13.18	PASS
1116.00†	1116.00	0.00	0.00	1114.47	1114.47	-0.09	76.10	90.07	76.12	6.73	12.52	PASS
1216.00†	1216.00	0.00	0.00	1210.54	1210.42	-1.11	80.38	90.80	80.58	7.51	11.74	PASS
1316.00†	1316.00	0.00	0.00	1305.92	1305.36	-3.23	89.27	92.08	89.96	8.82	11.01	PASS
1325.00	1325.00	0.00	0.00	1314.46	1313.83	-3.48	90.29	92.21	91.04	8.94	10.97	PASS
1416.00†	1415.97	-0.91	1.97	1400.47	1398.90	-6.42	102.62	-21.41	102.23	10.25	10.64	PASS
1516.00†	1515.68	-3.99	8.67	1494.46	1491.09	-10.64	120.33	-20.92	114.53	11.86	10.20	PASS
1616.00†	1614.88	-9.24	20.10	1587.89	1581.74	-15.88	142.29	-20.96	126.77	13.47	9.88	PASS
1716.00†	1713.27	-16.66	36.24	1680.77	1670.67	-22.09	168.38	-21.37	138.94	14.94	9.71	PASS
1738.11	1734.90	-18.59	40.44	1701.24	1690.08	-23.60	174.69	-21.50	141.62	15.21	9.72	PASS
1816.00†	1810.97	-25.57	55.63	1772.94	1757.51	-29.25	198.38	-21.95	152.48	15.95	9.96	PASS
1916.00†	1908.64	-34.53	75.13	1869.50	1847.29	-37.49	232.95	-22.26	169.36	16.81	10.47	PASS
2016.00†	2006.31	-43.50	94.63	1968.03	1938.84	-45.94	268.38	-22.52	186.41	17.82	10.85	PASS
2116.00†	2103.98	-52.46	114.13	2066.56	2030.39	-54.39	303.81	-22.73	203.47	18.58	11.34	PASS
2216.00†	2201.65	-61.42	133.63	2165.10	2121.95	-62.83	339.24	-22.91	220.53	19.55	11.67	PASS
2316.00†	2299.32	-70.39	153.13	2263.63	2213.50	-71.28	374.68	-23.06	237.59	20.57	11.93	PASS
2416.00†	2396.99	-79.35	172.63	2362.16	2305.05	-79.73	410.11	-23.20	254.65	21.63	12.14	PASS
2516.00†	2494.66	-88.31	192.13	2460.69	2396.60	-88.18	445.54	-23.31	271.71	22.72	12.31	PASS
2616.00†	2592.33	-97.28	211.63	2559.22	2488.16	-96.62	480.97	-23.42	288.78	23.84	12.45	PASS
2716.00†	2690.00	-106.24	231.13	2657.76	2579.71	-105.07	516.40	-23.51	305.84	24.99	12.57	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-2NCH PWB Offset Wellpath: BRIGHTON LAKES 20-17-2NCH (REV-A.0, NIO C CK)

Facility: SEC.20-T01S-R66W Slot: SLOT#06 BRIGHTON LAKES 20-17-2NCH (400'FSL & 1949'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-2NCH Threshold Value=1.00 † = interpolated/extrapolated station

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2816.00†	2787.67	-115.20	250.64	2756.29	2671.26	-113.52	551.83	-23.59	322.91	26.15	12.66	PASS
2916.00†	2885.34	-124.17	270.14	2854.82	2762.81	-121.97	587.26	-23.66	339.98	27.34	12.74	PASS
3016.00†	2983.01	-133.13	289.64	2953.35	2854.37	-130.42	622.69	-23.73	357.05	28.54	12.80	PASS
3116.00†	3080.68	-142.09	309.14	3051.88	2945.92	-138.86	658.12	-23.79	374.11	29.76	12.85	PASS
3216.00†	3178.35	-151.06	328.64	3150.42	3037.47	-147.31	693.55	-23.84	391.18	30.99	12.89	PASS
3316.00†	3276.02	-160.02	348.14	3248.95	3129.02	-155.76	728.98	-23.89	408.25	32.23	12.93	PASS
3416.00†	3373.69	-168.98	367.64	3347.48	3220.58	-164.21	764.41	-23.94	425.32	33.49	12.95	PASS
3516.00†	3471.36	-177.95	387.14	3446.01	3312.13	-172.65	799.85	-23.98	442.39	34.75	12.98	PASS
3616.00†	3569.03	-186.91	406.64	3544.54	3403.68	-181.10	835.28	-24.02	459.46	36.01	12.99	PASS
3716.00†	3666.70	-195.87	426.14	3643.08	3495.23	-189.55	870.71	-24.06	476.53	37.29	13.01	PASS
3816.00†	3764.37	-204.84	445.64	3741.61	3586.79	-198.00	906.14	-24.09	493.60	38.57	13.02	PASS
3916.00†	3862.04	-213.80	465.14	3840.14	3678.34	-206.44	941.57	-24.13	510.66	39.86	13.03	PASS
4016.00†	3959.70	-222.76	484.65	3938.67	3769.89	-214.89	977.00	-24.15	527.73	41.15	13.03	PASS
4116.00†	4057.37	-231.73	504.15	4037.20	3861.44	-223.34	1012.43	-24.18	544.80	42.45	13.03	PASS
4216.00†	4155.04	-240.69	523.65	4135.73	3952.99	-231.79	1047.86	-24.21	561.87	43.75	13.04	PASS
4316.00†	4252.71	-249.65	543.15	4234.27	4044.55	-240.23	1083.29	-24.23	578.95	45.06	13.04	PASS
4416.00†	4350.38	-258.62	562.65	4332.80	4136.10	-248.68	1118.72	-24.26	596.02	46.37	13.04	PASS
4516.00†	4448.05	-267.58	582.15	4431.33	4227.65	-257.13	1154.15	-24.28	613.09	47.68	13.04	PASS
4616.00†	4545.72	-276.54	601.65	4529.86	4319.20	-265.58	1189.58	-24.30	630.16	49.00	13.03	PASS
4716.00†	4643.39	-285.51	621.15	4628.39	4410.76	-274.02	1225.02	-24.32	647.23	50.32	13.03	PASS
4816.00†	4741.06	-294.47	640.65	4726.93	4502.31	-282.47	1260.45	-24.34	664.30	51.64	13.03	PASS
4916.00†	4838.73	-303.43	660.15	4825.46	4593.86	-290.92	1295.88	-24.36	681.37	52.96	13.03	PASS
5016.00†	4936.40	-312.40	679.65	4923.99	4685.41	-299.37	1331.31	-24.37	698.44	54.29	13.02	PASS
5116.00†	5034.07	-321.36	699.16	5022.52	4776.97	-307.82	1366.74	-24.39	715.51	55.62	13.02	PASS
5216.00†	5131.74	-330.33	718.66	5121.05	4868.52	-316.26	1402.17	-24.40	732.58	56.95	13.01	PASS
5316.00†	5229.41	-339.29	738.16	5219.59	4960.07	-324.71	1437.60	-24.42	749.65	58.28	13.01	PASS
5416.00†	5327.08	-348.25	757.66	5318.12	5051.62	-333.16	1473.03	-24.43	766.72	59.61	13.00	PASS
5516.00†	5424.75	-357.22	777.16	5416.65	5143.18	-341.61	1508.46	-24.45	783.79	60.95	13.00	PASS
5616.00†	5522.42	-366.18	796.66	5515.18	5234.73	-350.05	1543.89	-24.46	800.86	62.28	12.99	PASS
5716.00†	5620.09	-375.14	816.16	5613.71	5326.28	-358.50	1579.32	-24.47	817.94	63.62	12.99	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-2NCH PWB Offset Wellpath: BRIGHTON LAKES 20-17-2NCH (REV-A.0, NIO C CK)

Facility: SEC.20-T01S-R66W Slot: SLOT#06 BRIGHTON LAKES 20-17-2NCH (400'FSL & 1949'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-2NCH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5816.00†	5717.76	-384.11	835.66	5712.25	5417.83	-366.95	1614.75	-24.48	835.01	64.96	12.98	PASS
5916.00†	5815.43	-393.07	855.16	5810.78	5509.39	-375.40	1650.19	-24.49	852.08	66.30	12.98	PASS
6016.00†	5913.10	-402.03	874.66	5909.31	5600.94	-383.84	1685.62	-24.51	869.15	67.64	12.97	PASS
6116.00†	6010.77	-411.00	894.16	6007.84	5692.49	-392.29	1721.05	-24.52	886.22	68.98	12.97	PASS
6216.00†	6108.44	-419.96	913.66	6106.37	5784.04	-400.74	1756.48	-24.53	903.29	70.33	12.96	PASS
6316.00†	6206.11	-428.92	933.17	6204.91	5875.60	-409.19	1791.91	-24.54	920.36	71.67	12.96	PASS
6416.00†	6303.78	-437.89	952.67	6303.44	5967.15	-417.63	1827.34	-24.55	937.43	73.02	12.95	PASS
6516.00†	6401.45	-446.85	972.17	6401.97	6058.70	-426.08	1862.77	-24.55	954.51	74.36	12.95	PASS
6616.00†	6499.12	-455.81	991.67	6500.50	6150.25	-434.53	1898.20	-24.56	971.58	75.71	12.94	PASS
6716.00†	6596.79	-464.78	1011.17	6599.03	6241.81	-442.98	1933.63	-24.57	988.65	77.06	12.94	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: BRIGHTON LAKES 20-17-2NCH PWB Offset Wellpath: BRIGHTON LAKES 20-17-2NCH (REV-A.0, NIO C CK)

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: BRIGHTON LAKES 20-17-2NCH PWB Offset Wellpath: BRIGHTON LAKES 20-17-2NCH (REV-A.0, NIO C CK)

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]
13.5in Open Hole	16.00	882.00	866.00	16.00	882.00	0.00	46.15	0.00	46.15
9.625in Casing Surface	16.00	882.00	866.00	16.00	882.00	0.00	46.15	0.00	46.15
8.5in Open Hole	882.00	17952.00	17070.00	882.00	N/A	0.00	46.15	N/A	N/A



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

SURVEY PROGRAM - Offset Wellbore: BRIGHTON LAKES 20-17-2NCH PWB Offset Wellpath: BRIGHTON LAKES 20-17-2NCH (REV-A.0, NIO C CK)				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
16.00	882.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		BRIGHTON LAKES 20-17-2NCH PWB
882.00	17951.38	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)		BRIGHTON LAKES 20-17-2NCH PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: BRIGHTON LAKES 20-17-2NCH PWB Offset Wellpath: BRIGHTON LAKES 20-17-2NCH (REV-A.0, NIO C CK)	
MD Reference: RIG (16' RKB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	16.00ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-3NBH PWB Offset Wellpath: BRIGHTON LAKES 20-17-3NBH (NIO B CK, REV-A.0) PWP

Facility: SEC.20-T01S-R66W Slot: SLOT#07 BRIGHTON LAKES 20-17-3NBH (400'FSL & 1964'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-3NBH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
16.00	16.00	0.00	0.00	16.00	16.00	0.00	89.72	90.00	89.72	1.56	147.94	PASS
116.00†	116.00	0.00	0.00	116.00	116.00	0.00	89.72	90.00	89.72	1.89	95.45	PASS
216.00†	216.00	0.00	0.00	216.00	216.00	0.00	89.72	90.00	89.72	2.47	58.93	PASS
316.00†	316.00	0.00	0.00	316.00	316.00	0.00	89.72	90.00	89.72	3.08	42.02	PASS
416.00†	416.00	0.00	0.00	416.00	416.00	0.00	89.72	90.00	89.72	3.69	32.53	PASS
516.00†	516.00	0.00	0.00	516.00	516.00	0.00	89.72	90.00	89.72	4.31	26.50	PASS
616.00†	616.00	0.00	0.00	616.00	616.00	0.00	89.72	90.00	89.72	4.94	22.34	PASS
716.00†	716.00	0.00	0.00	716.00	716.00	0.00	89.72	90.00	89.72	5.56	19.31	PASS
816.00†	816.00	0.00	0.00	816.00	816.00	0.00	89.72	90.00	89.72	6.19	17.00	PASS
916.00†	916.00	0.00	0.00	916.00	916.00	0.00	89.72	90.00	89.72	6.26	16.05	PASS
1016.00†	1016.00	0.00	0.00	1016.00	1016.00	0.00	89.72	90.00	89.72	6.40	15.64	PASS
1116.00†	1116.00	0.00	0.00	1111.95	1111.92	-0.42	91.66	90.26	91.75	6.90	14.71	PASS
1216.00†	1216.00	0.00	0.00	1207.06	1206.79	-1.84	98.20	91.08	98.65	8.05	13.34	PASS
1316.00†	1316.00	0.00	0.00	1301.28	1300.32	-4.24	109.22	92.22	110.42	9.36	12.68	PASS
1325.00	1325.00	0.00	0.00	1309.70	1308.65	-4.50	110.42	92.33	111.72	9.42	12.74	PASS
1416.00†	1415.97	-0.91	1.97	1394.52	1392.22	-7.57	124.55	-21.40	125.03	10.57	12.61	PASS
1516.00†	1515.68	-3.99	8.67	1487.11	1482.61	-11.82	144.09	-20.97	139.62	12.17	12.11	PASS
1616.00†	1614.88	-9.24	20.10	1579.07	1571.33	-16.96	167.71	-21.00	154.09	13.73	11.78	PASS
1716.00†	1713.27	-16.66	36.24	1670.41	1658.19	-22.95	195.28	-21.35	168.42	15.16	11.60	PASS
1738.11	1734.90	-18.59	40.44	1690.52	1677.14	-24.39	201.89	-21.47	171.57	15.42	11.61	PASS
1816.00†	1810.97	-25.57	55.63	1760.93	1742.86	-29.76	226.57	-21.91	184.06	16.17	11.86	PASS
1916.00†	1908.64	-34.53	75.13	1853.29	1827.70	-37.51	262.22	-22.22	203.87	17.08	12.41	PASS
2016.00†	2006.31	-43.50	94.63	1951.11	1917.20	-45.90	300.80	-22.45	224.62	17.99	12.95	PASS
2116.00†	2103.98	-52.46	114.13	2048.93	2006.69	-54.29	339.39	-22.64	245.38	18.83	13.50	PASS
2216.00†	2201.65	-61.42	133.63	2146.75	2096.19	-62.68	377.97	-22.80	266.13	19.80	13.90	PASS
2316.00†	2299.32	-70.39	153.13	2244.57	2185.68	-71.07	416.56	-22.94	286.89	20.81	14.23	PASS
2416.00†	2396.99	-79.35	172.63	2342.39	2275.18	-79.46	455.14	-23.06	307.65	21.87	14.51	PASS
2516.00†	2494.66	-88.31	192.13	2440.21	2364.68	-87.85	493.73	-23.16	328.41	22.96	14.73	PASS
2616.00†	2592.33	-97.28	211.63	2538.03	2454.17	-96.25	532.31	-23.26	349.17	24.08	14.91	PASS
2716.00†	2690.00	-106.24	231.13	2635.85	2543.67	-104.64	570.89	-23.34	369.94	25.23	15.06	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-3NBH PWB Offset Wellpath: BRIGHTON LAKES 20-17-3NBH (NIO B CK, REV-A.0) PWP

Facility: SEC.20-T01S-R66W Slot: SLOT#07 BRIGHTON LAKES 20-17-3NBH (400'FSL & 1964'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-3NBH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2816.00†	2787.67	-115.20	250.64	2733.67	2633.16	-113.03	609.48	-23.41	390.70	26.40	15.18	PASS
2916.00†	2885.34	-124.17	270.14	2831.49	2722.66	-121.42	648.06	-23.48	411.46	27.59	15.28	PASS
3016.00†	2983.01	-133.13	289.64	2929.31	2812.16	-129.81	686.65	-23.53	432.22	28.80	15.36	PASS
3116.00†	3080.68	-142.09	309.14	3027.13	2901.65	-138.20	725.23	-23.59	452.99	30.02	15.43	PASS
3216.00†	3178.35	-151.06	328.64	3124.95	2991.15	-146.59	763.82	-23.64	473.75	31.26	15.48	PASS
3316.00†	3276.02	-160.02	348.14	3222.77	3080.64	-154.98	802.40	-23.68	494.52	32.51	15.53	PASS
3416.00†	3373.69	-168.98	367.64	3320.59	3170.14	-163.37	840.98	-23.72	515.28	33.77	15.57	PASS
3516.00†	3471.36	-177.95	387.14	3418.41	3259.64	-171.76	879.57	-23.76	536.05	35.03	15.60	PASS
3616.00†	3569.03	-186.91	406.64	3516.23	3349.13	-180.15	918.15	-23.80	556.81	36.31	15.62	PASS
3716.00†	3666.70	-195.87	426.14	3614.05	3438.63	-188.54	956.74	-23.83	577.58	37.60	15.64	PASS
3816.00†	3764.37	-204.84	445.64	3711.87	3528.13	-196.93	995.32	-23.86	598.35	38.89	15.65	PASS
3916.00†	3862.04	-213.80	465.14	3809.69	3617.62	-205.32	1033.91	-23.89	619.11	40.18	15.67	PASS
4016.00†	3959.70	-222.76	484.65	3907.51	3707.12	-213.71	1072.49	-23.91	639.88	41.49	15.67	PASS
4116.00†	4057.37	-231.73	504.15	4005.33	3796.61	-222.10	1111.07	-23.94	660.64	42.80	15.68	PASS
4216.00†	4155.04	-240.69	523.65	4103.15	3886.11	-230.50	1149.66	-23.96	681.41	44.11	15.68	PASS
4316.00†	4252.71	-249.65	543.15	4200.97	3975.61	-238.89	1188.24	-23.98	702.18	45.42	15.69	PASS
4416.00†	4350.38	-258.62	562.65	4298.79	4065.10	-247.28	1226.83	-24.01	722.94	46.75	15.69	PASS
4516.00†	4448.05	-267.58	582.15	4396.61	4154.60	-255.67	1265.41	-24.02	743.71	48.07	15.69	PASS
4616.00†	4545.72	-276.54	601.65	4494.42	4244.09	-264.06	1304.00	-24.04	764.48	49.40	15.69	PASS
4716.00†	4643.39	-285.51	621.15	4592.24	4333.59	-272.45	1342.58	-24.06	785.24	50.73	15.68	PASS
4816.00†	4741.06	-294.47	640.65	4690.06	4423.09	-280.84	1381.16	-24.08	806.01	52.06	15.68	PASS
4916.00†	4838.73	-303.43	660.15	4787.88	4512.58	-289.23	1419.75	-24.09	826.78	53.40	15.68	PASS
5016.00†	4936.40	-312.40	679.65	4885.70	4602.08	-297.62	1458.33	-24.11	847.54	54.73	15.67	PASS
5116.00†	5034.07	-321.36	699.16	4983.52	4691.57	-306.01	1496.92	-24.12	868.31	56.07	15.67	PASS
5216.00†	5131.74	-330.33	718.66	5081.34	4781.07	-314.40	1535.50	-24.14	889.08	57.42	15.67	PASS
5316.00†	5229.41	-339.29	738.16	5179.16	4870.57	-322.79	1574.09	-24.15	909.84	58.76	15.66	PASS
5416.00†	5327.08	-348.25	757.66	5276.98	4960.06	-331.18	1612.67	-24.16	930.61	60.11	15.66	PASS
5516.00†	5424.75	-357.22	777.16	5374.80	5049.56	-339.57	1651.25	-24.17	951.38	61.45	15.65	PASS
5616.00†	5522.42	-366.18	796.66	5472.62	5139.05	-347.96	1689.84	-24.18	972.15	62.80	15.64	PASS
5716.00†	5620.09	-375.14	816.16	5570.44	5228.55	-356.35	1728.42	-24.20	992.91	64.15	15.64	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

POSITIONAL UNCERTAINTY - Offset Wellbore: BRIGHTON LAKES 20-17-3NBH PWB Offset Wellpath: BRIGHTON LAKES 20-17-3NBH (NIO B CK, REV-A.0) PWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: BRIGHTON LAKES 20-17-3NBH PWB Offset Wellpath: BRIGHTON LAKES 20-17-3NBH (NIO B CK, REV-A.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]
13.5in Open Hole	16.00	882.00	866.00	16.00	882.00	0.00	54.70	0.00	54.70
9.625in Casing Surface	16.00	882.00	866.00	16.00	882.00	0.00	54.70	0.00	54.70
8.5in Open Hole	882.00	17936.00	17054.00	882.00	N/A	0.00	54.70	N/A	N/A

SURVEY PROGRAM - Offset Wellbore: BRIGHTON LAKES 20-17-3NBH PWB Offset Wellpath: BRIGHTON LAKES 20-17-3NBH (NIO B CK, REV-A.0) PWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
16.00	882.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		BRIGHTON LAKES 20-17-3NBH PWB
882.00	17935.33	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)		BRIGHTON LAKES 20-17-3NBH PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: BRIGHTON LAKES 20-17-3NBH PWB Offset Wellpath: BRIGHTON LAKES 20-17-3NBH (NIO B CK, REV-A.0) PWP

MD Reference: RIG (16' RKB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	16.00ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-2CDH PWB Offset Wellpath: BRIGHTON LAKES 20-17-2CDH (CODELL, REV-A.0) PWP

Facility: SEC.20-T01S-R66W Slot: SLOT#08 BRIGHTON LAKES 20-17-2CDH (400'FSL & 1980'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-2CDH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
16.00	16.00	0.00	0.00	16.00	16.00	0.00	103.74	90.00	103.74	1.56	171.30	PASS
116.00†	116.00	0.00	0.00	116.00	116.00	0.00	103.74	90.00	103.74	1.89	110.52	PASS
216.00†	216.00	0.00	0.00	216.00	216.00	0.00	103.74	90.00	103.74	2.47	68.23	PASS
316.00†	316.00	0.00	0.00	316.00	316.00	0.00	103.74	90.00	103.74	3.08	48.65	PASS
416.00†	416.00	0.00	0.00	416.00	416.00	0.00	103.74	90.00	103.74	3.69	37.66	PASS
516.00†	516.00	0.00	0.00	516.00	516.00	0.00	103.74	90.00	103.74	4.31	30.68	PASS
616.00†	616.00	0.00	0.00	616.00	616.00	0.00	103.74	90.00	103.74	4.94	25.87	PASS
716.00†	716.00	0.00	0.00	716.00	716.00	0.00	103.74	90.00	103.74	5.56	22.36	PASS
816.00†	816.00	0.00	0.00	816.00	816.00	0.00	103.74	90.00	103.74	6.19	19.68	PASS
916.00†	916.00	0.00	0.00	916.00	916.00	0.00	103.74	90.00	103.74	6.26	18.58	PASS
1016.00†	1016.00	0.00	0.00	1013.92	1013.92	-0.08	104.13	90.04	104.15	6.41	18.16	PASS
1116.00†	1116.00	0.00	0.00	1108.65	1108.54	-0.91	108.33	90.48	108.59	7.05	17.00	PASS
1216.00†	1216.00	0.00	0.00	1202.72	1202.18	-2.63	117.05	91.29	117.89	8.27	15.49	PASS
1316.00†	1316.00	0.00	0.00	1295.70	1294.19	-5.21	130.10	92.29	132.02	9.57	14.81	PASS
1325.00	1325.00	0.00	0.00	1304.00	1302.37	-5.48	131.48	92.39	133.52	9.64	14.87	PASS
1416.00†	1415.97	-0.91	1.97	1387.56	1384.35	-8.60	147.29	-21.46	148.92	10.71	14.81	PASS
1516.00†	1515.68	-3.99	8.67	1478.69	1472.87	-12.80	168.53	-21.08	165.73	12.30	14.24	PASS
1616.00†	1614.88	-9.24	20.10	1569.13	1559.59	-17.76	193.68	-21.10	182.36	13.83	13.84	PASS
1716.00†	1713.27	-16.66	36.24	1658.89	1644.37	-23.47	222.59	-21.42	198.80	15.24	13.63	PASS
1738.11	1734.90	-18.59	40.44	1678.65	1662.83	-24.84	229.48	-21.53	202.41	15.49	13.64	PASS
1816.00†	1810.97	-25.57	55.63	1747.75	1726.84	-29.88	255.03	-21.96	216.47	16.21	13.92	PASS
1916.00†	1908.64	-34.53	75.13	1840.17	1811.12	-37.23	292.21	-22.34	238.00	17.21	14.38	PASS
2016.00†	2006.31	-43.50	94.63	1937.68	1899.82	-45.08	331.96	-22.65	260.13	17.93	15.07	PASS
2116.00†	2103.98	-52.46	114.13	2035.19	1988.51	-52.93	371.71	-22.91	282.28	18.84	15.53	PASS
2216.00†	2201.65	-61.42	133.63	2132.70	2077.21	-60.78	411.45	-23.13	304.42	19.82	15.89	PASS
2316.00†	2299.32	-70.39	153.13	2230.21	2165.90	-68.63	451.20	-23.32	326.57	20.84	16.19	PASS
2416.00†	2396.99	-79.35	172.63	2327.72	2254.60	-76.48	490.95	-23.49	348.72	21.90	16.42	PASS
2516.00†	2494.66	-88.31	192.13	2425.23	2343.29	-84.33	530.69	-23.64	370.88	23.01	16.60	PASS
2616.00†	2592.33	-97.28	211.63	2522.74	2431.99	-92.18	570.44	-23.77	393.03	24.14	16.74	PASS
2716.00†	2690.00	-106.24	231.13	2620.25	2520.69	-100.04	610.19	-23.89	415.19	25.30	16.86	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: BRIGHTON LAKES 20-17-2CDH PWB Offset Wellpath: BRIGHTON LAKES 20-17-2CDH (CODELL, REV-A.0) PWP

Facility: SEC.20-T01S-R66W Slot: SLOT#08 BRIGHTON LAKES 20-17-2CDH (400'FSL & 1980'FWL, SEC.20) Well: BRIGHTON LAKES 20-17-2CDH Threshold Value=1.00 † = interpolated/extrapolated station

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2816.00†	2787.67	-115.20	250.64	2717.76	2609.38	-107.89	649.93	-23.99	437.35	26.48	16.94	PASS
2916.00†	2885.34	-124.17	270.14	2815.27	2698.08	-115.74	689.68	-24.09	459.52	27.69	17.01	PASS
3016.00†	2983.01	-133.13	289.64	2912.78	2786.77	-123.59	729.43	-24.17	481.68	28.91	17.06	PASS
3116.00†	3080.68	-142.09	309.14	3010.29	2875.47	-131.44	769.17	-24.25	503.84	30.15	17.09	PASS
3216.00†	3178.35	-151.06	328.64	3107.81	2964.16	-139.29	808.92	-24.32	526.01	31.40	17.12	PASS
3316.00†	3276.02	-160.02	348.14	3205.32	3052.86	-147.14	848.67	-24.39	548.17	32.66	17.13	PASS
3416.00†	3373.69	-168.98	367.64	3302.83	3141.56	-154.99	888.41	-24.45	570.34	33.94	17.14	PASS
3516.00†	3471.36	-177.95	387.14	3400.34	3230.25	-162.84	928.16	-24.51	592.50	35.22	17.15	PASS
3616.00†	3569.03	-186.91	406.64	3497.85	3318.95	-170.69	967.91	-24.56	614.67	36.51	17.15	PASS
3716.00†	3666.70	-195.87	426.14	3595.36	3407.64	-178.54	1007.65	-24.61	636.84	37.81	17.14	PASS
3816.00†	3764.37	-204.84	445.64	3692.87	3496.34	-186.40	1047.40	-24.66	659.00	39.12	17.14	PASS
3916.00†	3862.04	-213.80	465.14	3790.38	3585.03	-194.25	1087.14	-24.70	681.17	40.44	17.13	PASS
4016.00†	3959.70	-222.76	484.65	3887.89	3673.73	-202.10	1126.89	-24.74	703.34	41.76	17.12	PASS
4116.00†	4057.37	-231.73	504.15	3985.40	3762.43	-209.95	1166.64	-24.78	725.51	43.08	17.11	PASS
4216.00†	4155.04	-240.69	523.65	4082.91	3851.12	-217.80	1206.38	-24.81	747.68	44.41	17.09	PASS
4316.00†	4252.71	-249.65	543.15	4180.42	3939.82	-225.65	1246.13	-24.84	769.85	45.74	17.08	PASS
4416.00†	4350.38	-258.62	562.65	4277.93	4028.51	-233.50	1285.88	-24.88	792.02	47.08	17.06	PASS
4516.00†	4448.05	-267.58	582.15	4375.44	4117.21	-241.35	1325.62	-24.91	814.19	48.42	17.05	PASS
4616.00†	4545.72	-276.54	601.65	4472.96	4205.90	-249.20	1365.37	-24.93	836.36	49.77	17.03	PASS
4716.00†	4643.39	-285.51	621.15	4570.47	4294.60	-257.05	1405.12	-24.96	858.53	51.12	17.02	PASS
4816.00†	4741.06	-294.47	640.65	4667.98	4383.29	-264.91	1444.86	-24.99	880.70	52.47	17.00	PASS
4916.00†	4838.73	-303.43	660.15	4765.49	4471.99	-272.76	1484.61	-25.01	902.87	53.82	16.99	PASS
5016.00†	4936.40	-312.40	679.65	4863.00	4560.69	-280.61	1524.36	-25.03	925.04	55.18	16.97	PASS
5116.00†	5034.07	-321.36	699.16	4960.51	4649.38	-288.46	1564.10	-25.05	947.21	56.54	16.95	PASS
5216.00†	5131.74	-330.33	718.66	5058.02	4738.08	-296.31	1603.85	-25.08	969.38	57.90	16.94	PASS
5316.00†	5229.41	-339.29	738.16	5155.53	4826.77	-304.16	1643.60	-25.10	991.55	59.26	16.92	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

POSITIONAL UNCERTAINTY - Offset Wellbore: BRIGHTON LAKES 20-17-2CDH PWB Offset Wellpath: BRIGHTON LAKES 20-17-2CDH (CODELL, REV-A.0) PWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: BRIGHTON LAKES 20-17-2CDH PWB Offset Wellpath: BRIGHTON LAKES 20-17-2CDH (CODELL, REV-A.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]
13.5in Open Hole	16.00	882.00	866.00	16.00	882.00	0.00	63.24	0.00	63.24
9.625in Casing Surface	16.00	882.00	866.00	16.00	882.00	0.00	63.24	0.00	63.24
8.5in Open Hole	882.00	18285.00	17403.00	882.00	N/A	0.00	63.24	N/A	N/A

SURVEY PROGRAM - Offset Wellbore: BRIGHTON LAKES 20-17-2CDH PWB Offset Wellpath: BRIGHTON LAKES 20-17-2CDH (CODELL, REV-A.0) PWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
16.00	882.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		BRIGHTON LAKES 20-17-2CDH PWB
882.00	18284.22	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)		BRIGHTON LAKES 20-17-2CDH PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: BRIGHTON LAKES 20-17-2CDH PWB Offset Wellpath: BRIGHTON LAKES 20-17-2CDH (CODELL, REV-A.0) PWP

MD Reference: RIG (16'RKB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	16.00ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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Operator		Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: CASE#1 AWB Offset Wellpath: CASE#1 AWP												
Facility: SEC.17-T01S-R66W		Slot: SLOT#02 EX. CASE#1 (990'FNL & 990'FEL,SEC.17,PA,TD8237'MD)			Well: CASE#1		Threshold Value=1.00 † = interpolated/extrapolated station					
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
16.00	16.00	0.00	0.00	-14.00	16.00	9172.38	2455.32	14.99	9495.32	25.57	385.92	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: CASE#1 AWB Offset Wellpath: CASE#1 AWP				
Slot Surface Uncertainty @1SD		Horizontal	0.100ft	Vertical 1.000ft
Facility Surface Uncertainty @1SD		Horizontal	8.200ft	Vertical 3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: CASE#1 AWB Offset Wellpath: CASE#1 AWP									
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]
12.25in Open Hole	0.00	113.00	113.00	14.00	127.00	5591.55	1496.48	5591.59	1496.49
8.625in Casing Surface	0.00	113.00	113.00	14.00	127.00	5591.55	1496.48	5591.59	1496.49
7.875in Open Hole	113.00	8237.00	8124.00	127.00	8250.10	5591.59	1496.49	5573.99	1489.37
4.5in Casing Production	0.00	8237.00	8237.00	14.00	8250.10	5591.55	1496.48	5573.99	1489.37

WELLPATH COMPOSITION - Offset Wellbore: CASE#1 AWB Offset Wellpath: CASE#1 AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	8050.00	BHI Generic gyro - continuous (Standard)	VES/GYRO <100-8050>	CASE#1 AWB
8050.00	8237.00	BHI Unknown Tool (Standard)	ASSUMED VERTICAL TO TD <8050-8237>	CASE#1 AWB



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: CASE#1 AWB Offset Wellpath: CASE#1 AWP	
MD Reference: Rig on SLOT#02 EX. CASE#1 (990'FNL & 990'FEL,SEC.17,PA,TD8237'MD) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: TASHIRO-UPRR#1 AWB Offset Wellpath: TASHIRO-UPRR#1 AWP

Facility: SEC.17-T01S-R66W		Slot: SLOT#01 EX. TASHIRO-UPRR#1 (1160'FSL & 1221'FWL, SEC.17, PA, TD@8225')				Well: TASHIRO-UPRR#1		Threshold Value=1.00 † = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
16.00	16.00	0.00	0.00	-16.00	18.00	5981.14	-766.37	-7.30	6030.04	25.57	245.07	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: TASHIRO-UPRR#1 AWB Offset Wellpath: TASHIRO-UPRR#1 AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: TASHIRO-UPRR#1 AWB Offset Wellpath: TASHIRO-UPRR#1 AWP

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]
12.25in Open Hole	0.00	158.00	158.00	18.00	175.99	3646.11	-467.12	3646.40	-466.79
8.625in Casing Surface	0.00	158.00	158.00	18.00	175.99	3646.11	-467.12	3646.40	-466.79
7.875in Open Hole	158.00	8210.00	8052.00	175.99	8226.90	3646.40	-466.79	3641.72	-482.20
4.5in Casing Production	0.00	8210.00	8210.00	18.00	8226.90	3646.11	-467.12	3641.72	-482.20

WELLPATH COMPOSITION - Offset Wellbore: TASHIRO-UPRR#1 AWB Offset Wellpath: TASHIRO-UPRR#1 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7500.00	BHI Generic gyro - continuous (Standard)	VES/GYRO <0-7500>	TASHIRO-UPRR#1 AWB
7500.00	8225.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD <7500-8225>	TASHIRO-UPRR#1 AWB



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: TASHIRO-UPRR#1 AWB Offset Wellpath: TASHIRO-UPRR#1 AWP	
MD Reference: Rig on SLOT#01 EX. TASHIRO-UPRR#1 (1160'FSL & 1221'FWL,SEC.17,PA,TD@8225') (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

CLEARANCE DATA - Offset Wellbore: DAVIS #1 AWB Offset Wellpath: DAVIS #1 AWP

Facility: SEC.20-T01S-R66W Slot: SLOT#01 EX. DAVIS #1 (1327'FSL & 1629'FWL,SEC.20,PA,TD@8234 Well: DAVIS #1 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
16.00	16.00	0.00	0.00	-7.00	16.00	836.74	-351.57	-22.79	907.60	25.57	36.85	PASS
116.00†	116.00	0.00	0.00	103.23	126.23	836.46	-350.72	-22.75	907.07	50.13	18.41	PASS
216.00†	216.00	0.00	0.00	209.18	232.15	835.52	-348.90	-22.67	905.59	49.97	18.38	PASS
316.00†	316.00	0.00	0.00	310.47	333.42	834.06	-347.46	-22.62	903.71	50.00	18.33	PASS
416.00†	416.00	0.00	0.00	407.66	430.60	832.37	-347.05	-22.63	901.94	50.04	18.28	PASS
516.00†	516.00	0.00	0.00	505.94	528.85	830.43	-347.81	-22.73	900.42	50.08	18.24	PASS
616.00†	616.00	0.00	0.00	605.73	628.60	828.12	-349.68	-22.89	899.01	50.13	18.19	PASS
716.00†	716.00	0.00	0.00	706.02	728.83	825.54	-352.07	-23.10	897.57	50.18	18.14	PASS
816.00†	816.00	0.00	0.00	800.04	822.79	823.41	-354.44	-23.29	896.48	50.24	18.10	PASS
916.00†	916.00	0.00	0.00	899.29	922.00	821.57	-356.90	-23.48	895.77	50.08	18.07	PASS
1016.00†	1016.00	0.00	0.00	997.13	1019.80	820.04	-359.08	-23.65	895.22	50.12	18.05	PASS
1077.88†	1077.88	0.00	0.00	1054.06	1076.72	819.44	-360.18	-23.73	895.11	50.15	18.03	PASS
1116.00†	1116.00	0.00	0.00	1089.75	1112.40	819.27	-360.80	-23.77	895.20	50.17	18.03	PASS
1216.00†	1216.00	0.00	0.00	1187.43	1210.07	819.24	-362.23	-23.85	895.76	50.22	18.02	PASS
1316.00†	1316.00	0.00	0.00	1297.35	1319.99	818.94	-363.39	-23.93	895.96	50.30	18.00	PASS
1325.00	1325.00	0.00	0.00	1306.59	1329.22	818.86	-363.47	-23.94	895.91	50.31	17.99	PASS
1416.00†	1415.97	-0.91	1.97	1397.01	1419.64	818.04	-364.33	-138.76	897.14	50.41	17.98	PASS
1516.00†	1515.68	-3.99	8.67	1496.79	1519.40	817.05	-365.53	-139.06	902.30	50.58	18.02	PASS
1616.00†	1614.88	-9.24	20.10	1597.01	1619.60	815.91	-366.89	-139.51	911.41	50.79	18.13	PASS
1716.00†	1713.27	-16.66	36.24	1697.22	1719.80	814.66	-368.09	-140.08	924.45	51.02	18.30	PASS
1738.11	1734.90	-18.59	40.44	1718.13	1740.71	814.40	-368.31	-140.21	927.88	51.07	18.35	PASS
1816.00†	1810.97	-25.57	55.63	1791.07	1813.64	813.62	-369.11	-140.89	940.56	51.20	18.56	PASS
1916.00†	1908.64	-34.53	75.13	1887.27	1909.83	812.83	-370.24	-141.77	957.28	51.38	18.82	PASS
2016.00†	2006.31	-43.50	94.63	1981.98	2004.53	812.29	-371.29	-142.59	974.40	51.58	19.08	PASS
2116.00†	2103.98	-52.46	114.13	2080.84	2103.39	811.98	-372.18	-143.40	991.85	51.79	19.34	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

BRIGHTON LAKES 20-17-1CDH (REV-B.0,CODELL) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 BRIGHTON LAKES 20-17-1CDH (400'FSL & 1874'FWL, SEC.20)
Area	COLORADO	Well	BRIGHTON LAKES 20-17-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	BRIGHTON LAKES 20-17-1CDH PWB
Facility	SEC.20-T01S-R66W		

POSITIONAL UNCERTAINTY - Offset Wellbore: DAVIS #1 AWB Offset Wellpath: DAVIS #1 AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: DAVIS #1 AWB Offset Wellpath: DAVIS #1 AWP

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]
12.25in Open Hole	0.00	132.00	132.00	7.00	138.99	510.08	-214.31	509.94	-213.91
8.625in Casing Surface	0.00	132.00	132.00	7.00	138.99	510.08	-214.31	509.94	-213.91
7.875in Open Hole	132.00	8231.00	8099.00	138.99	8236.91	509.94	-213.91	499.15	-232.46
4.5in Casing Production	0.00	8231.00	8231.00	7.00	8236.91	510.08	-214.31	499.15	-232.46

WELLPATH COMPOSITION - Offset Wellbore: DAVIS #1 AWB Offset Wellpath: DAVIS #1 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7200.00	BHI Generic gyro - continuous (Standard)	VES/GYRO <0-7200>	DAVIS #1 AWB
7200.00	8234.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL TO TD <7300-8234>	DAVIS #1 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: DAVIS #1 AWB Offset Wellpath: DAVIS #1 AWP

MD Reference: Rig on SLOT#01 EX. DAVIS #1 (1327'FSL & 1629'FWL,SEC.20,PA,TD@8234 (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft