

PETROSHARE

Location: COLORADO Slot: SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Field: ADAMS COUNTY (NAD83/ TRUE NORTH) Well: CONNER 19-18-4CDH
Facility: SEC.19-T01S-R65W Wellbore: CONNER 19-18-4CDH PWB

Plot reference wellpath is CONNER 19-18-4CDH PWP (REV-A.0)

True vertical depths are referenced to RIG (5142'GL + 13'KB) (RKB)	Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet
Measured depths are referenced to RIG (5142'GL + 13'KB) (RKB)	North Reference: True north
RIG (5142'GL + 13'KB) (RKB) to Mean Sea Level: 5155 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: ingnjmr on 2017-07-28
	Database: WA_DEN_Denver_Delth

Location Information

Facility Name				Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
SEC.19-T01S-R65W				3222009.380	1223555.333	39°56'39.552"N	104°42'29.448"W
Slot	Local N (ft)	Local E (ft)		Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)	0.00	179.45		3222188.817	1223556.936	39°56'39.552"N	104°42'27.144"W
RIG (5142'GL + 13'KB) (RKB) to Mud line (At Slot: SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19))				5155ft			
Mean Sea Level to Mud line (At Slot: SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19))				0ft			
RIG (5142'GL + 13'KB) (RKB) to Mean Sea Level				5155ft			

Well Profile Data

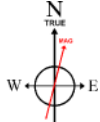
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	13.00	0.000	106.206	13.00	0.00	0.00	0.00	0.00
End of Tangent	1200.00	0.000	106.206	1200.00	0.00	0.00	0.00	0.00
End of Build	2050.60	17.012	106.206	2038.16	-34.99	120.37	2.00	-13.08
End of Tangent	7263.34	17.012	106.206	7022.81	-460.64	1584.88	0.00	-172.27
End of 3D Arc	8209.78	90.000	0.143	7617.00	110.00	1761.00	10.00	420.55
End of Tangent	18007.75	90.000	0.143	7617.00	9907.94	1785.39	0.00	10067.52

Survey Program

Start MD (ft)	End MD (ft)	Tool	Model	Log Name/Comment	Wellbore
13.00	700.00	BHI NavTrak	BHI NavTrak (Standard)		CONNER 19-18-4CDH PWB
700.00	18007.75	BHI AutoTrak Curve	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)		CONNER 19-18-4CDH PWB

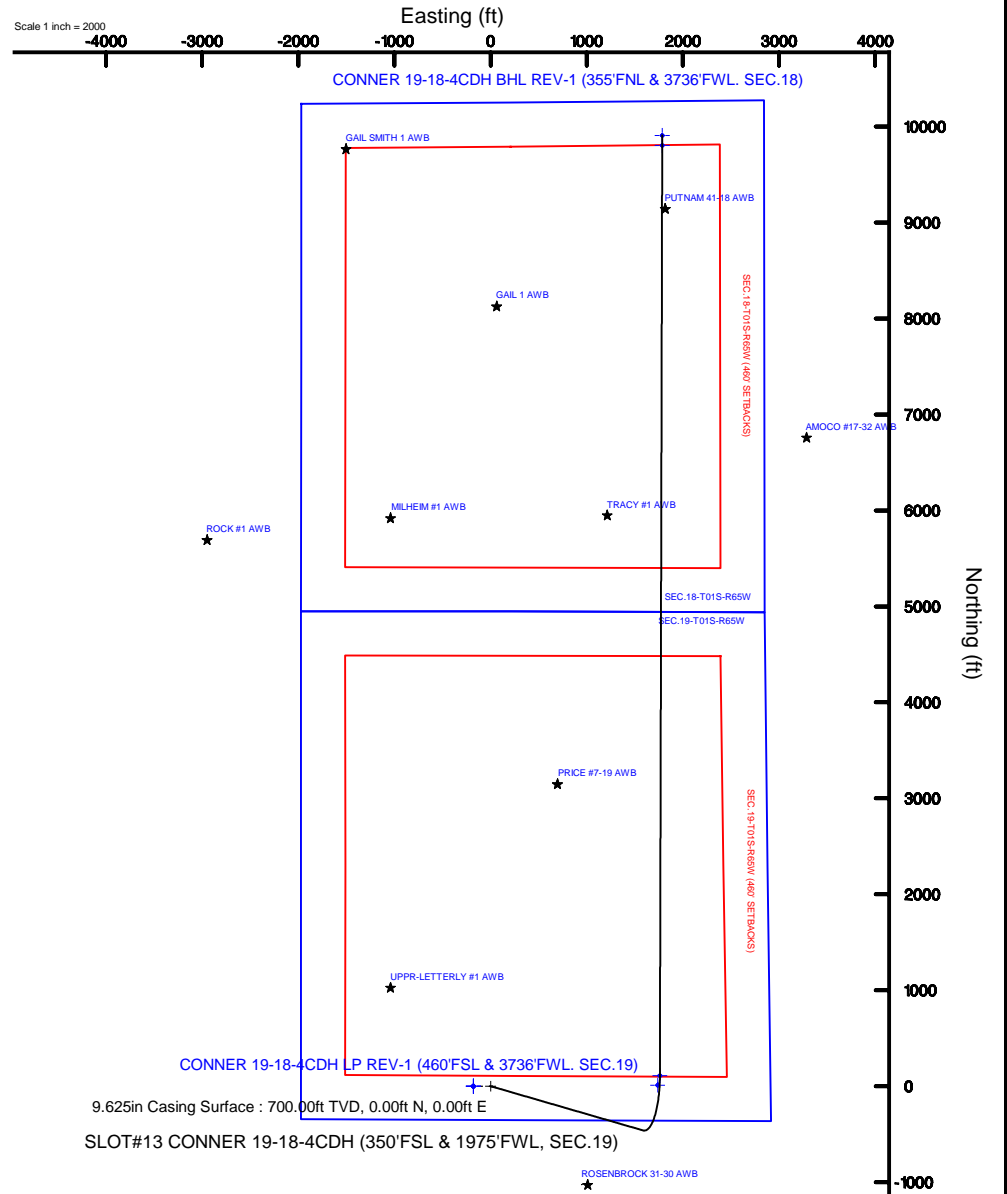
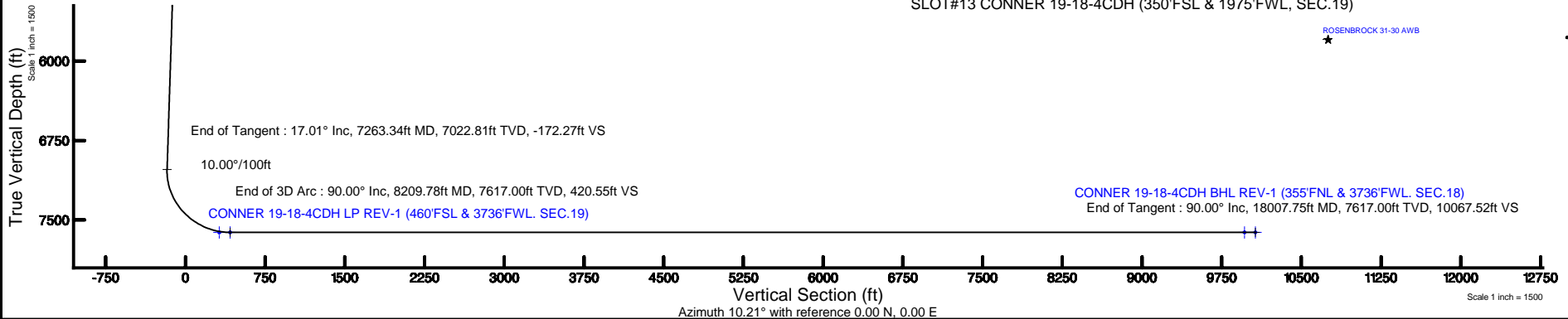
Hole and Casing Sections

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
9.625in Casing Surface	13.00	700.00	687.00	13.00	700.00	0.00	0.00	0.00	0.00	CONNER 19-18-4CDH PWB
8.5in Open Hole	700.00	18007.75	17307.75	700.00	7617.00	0.00	0.00	9907.94	1785.39	CONNER 19-18-4CDH PWB



BGGM (1900.0 to 2019.0) Dip: 66.52° Field: 52170.6 nT
Magnetic North is 8.32 degrees East of True North (at 7/17/2017)

To correct azimuth from Magnetic to True add 8.32 degrees





Planned Wellpath Report

CONNER 19-18-4CDH PWP (REV-A.0)

Page 1 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

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	7/28/2017 at 8:48:42 AM
Convergence at slot	0.51° East	Database/Source file	WA_DEN_Denver_Defn/CONNER_19-18-4CDH_PWP_REV-A.0_.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	179.45	3222188.82	1223556.94	39°56'39.552"N	104°42'27.144"W
Facility Reference Pt			3222009.38	1223555.33	39°56'39.552"N	104°42'29.448"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 (5142'GL + 13'KB) (RKB) to Facility Vertical Datum	5155.00ft
Horizontal Reference Pt	Slot	RIG (5142'GL + 13'KB) (RKB) to Mean Sea Level	5155.00ft
Vertical Reference Pt	RIG (5142'GL + 13'KB) (RKB)	RIG (5142'GL + 13'KB) (RKB) to Mud Line at Slot (SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19))	5155.00ft
MD Reference Pt	RIG (5142'GL + 13'KB) (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	10.21°



Planned Wellpath Report

CONNER 19-18-4CDH PWP (REV-A.0)

Page 2 of 10

**BAKER
HUGHES**
a GE company



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

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	106.206	0.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.144"W	0.00	
13.00	0.000	106.206	13.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.144"W	0.00	Tie On
113.00†	0.000	106.206	113.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.144"W	0.00	
213.00†	0.000	106.206	213.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.144"W	0.00	
313.00†	0.000	106.206	313.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.144"W	0.00	
413.00†	0.000	106.206	413.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.144"W	0.00	
513.00†	0.000	106.206	513.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.144"W	0.00	
613.00†	0.000	106.206	613.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.144"W	0.00	
700.00†	0.000	106.206	700.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.144"W	0.00	FOX HILLS
713.00†	0.000	106.206	713.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.144"W	0.00	
813.00†	0.000	106.206	813.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.144"W	0.00	
913.00†	0.000	106.206	913.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.144"W	0.00	
1013.00†	0.000	106.206	1013.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.144"W	0.00	
1113.00†	0.000	106.206	1113.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.144"W	0.00	
1200.00	0.000	106.206	1200.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.144"W	0.00	End of Tangent
1213.00†	0.260	106.206	1213.00	0.00	-0.01	0.03	39°56'39.552"N	104°42'27.144"W	2.00	
1313.00†	2.260	106.206	1312.97	-0.23	-0.62	2.14	39°56'39.546"N	104°42'27.117"W	2.00	
1413.00†	4.260	106.206	1412.80	-0.83	-2.21	7.60	39°56'39.530"N	104°42'27.046"W	2.00	
1513.00†	6.260	106.206	1512.38	-1.78	-4.77	16.40	39°56'39.505"N	104°42'26.933"W	2.00	
1613.00†	8.260	106.206	1611.57	-3.10	-8.29	28.54	39°56'39.470"N	104°42'26.778"W	2.00	
1713.00†	10.260	106.206	1710.26	-4.78	-12.79	43.99	39°56'39.426"N	104°42'26.579"W	2.00	
1813.00†	12.260	106.206	1808.33	-6.82	-18.23	62.74	39°56'39.372"N	104°42'26.338"W	2.00	
1913.00†	14.260	106.206	1905.66	-9.21	-24.64	84.76	39°56'39.309"N	104°42'26.056"W	2.00	
2013.00†	16.260	106.206	2002.13	-11.96	-31.98	110.04	39°56'39.236"N	104°42'25.731"W	2.00	
2050.60	17.012	106.206	2038.16	-13.08	-34.99	120.37	39°56'39.206"N	104°42'25.599"W	2.00	End of Build
2113.00†	17.012	106.206	2097.83	-14.99	-40.08	137.90	39°56'39.156"N	104°42'25.373"W	0.00	
2213.00†	17.012	106.206	2193.45	-18.04	-48.25	166.00	39°56'39.075"N	104°42'25.013"W	0.00	
2313.00†	17.012	106.206	2289.08	-21.10	-56.41	194.09	39°56'38.995"N	104°42'24.652"W	0.00	
2413.00†	17.012	106.206	2384.70	-24.15	-64.58	222.19	39°56'38.914"N	104°42'24.291"W	0.00	
2513.00†	17.012	106.206	2480.32	-27.21	-72.74	250.28	39°56'38.833"N	104°42'23.931"W	0.00	



Planned Wellpath Report

CONNER 19-18-4CDH PWP (REV-A.0)

Page 3 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

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
2613.00†	17.012	106.206	2575.95	-30.26	-80.91	278.38	39°56'38.752"N	104°42'23.570"W	0.00	
2713.00†	17.012	106.206	2671.57	-33.31	-89.08	306.47	39°56'38.672"N	104°42'23.209"W	0.00	
2813.00†	17.012	106.206	2767.20	-36.37	-97.24	334.57	39°56'38.591"N	104°42'22.848"W	0.00	
2913.00†	17.012	106.206	2862.82	-39.42	-105.41	362.66	39°56'38.510"N	104°42'22.488"W	0.00	
3013.00†	17.012	106.206	2958.45	-42.47	-113.57	390.76	39°56'38.430"N	104°42'22.127"W	0.00	
3113.00†	17.012	106.206	3054.07	-45.53	-121.74	418.85	39°56'38.349"N	104°42'21.766"W	0.00	
3213.00†	17.012	106.206	3149.69	-48.58	-129.90	446.94	39°56'38.268"N	104°42'21.406"W	0.00	
3313.00†	17.012	106.206	3245.32	-51.64	-138.07	475.04	39°56'38.187"N	104°42'21.045"W	0.00	
3413.00†	17.012	106.206	3340.94	-54.69	-146.23	503.13	39°56'38.107"N	104°42'20.684"W	0.00	
3513.00†	17.012	106.206	3436.57	-57.74	-154.40	531.23	39°56'38.026"N	104°42'20.323"W	0.00	
3613.00†	17.012	106.206	3532.19	-60.80	-162.57	559.32	39°56'37.945"N	104°42'19.963"W	0.00	
3713.00†	17.012	106.206	3627.82	-63.85	-170.73	587.42	39°56'37.865"N	104°42'19.602"W	0.00	
3813.00†	17.012	106.206	3723.44	-66.91	-178.90	615.51	39°56'37.784"N	104°42'19.241"W	0.00	
3913.00†	17.012	106.206	3819.06	-69.96	-187.06	643.61	39°56'37.703"N	104°42'18.881"W	0.00	
4013.00†	17.012	106.206	3914.69	-73.01	-195.23	671.70	39°56'37.623"N	104°42'18.520"W	0.00	
4113.00†	17.012	106.206	4010.31	-76.07	-203.39	699.80	39°56'37.542"N	104°42'18.159"W	0.00	
4213.00†	17.012	106.206	4105.94	-79.12	-211.56	727.89	39°56'37.461"N	104°42'17.799"W	0.00	
4313.00†	17.012	106.206	4201.56	-82.18	-219.73	755.99	39°56'37.380"N	104°42'17.438"W	0.00	
4413.00†	17.012	106.206	4297.19	-85.23	-227.89	784.08	39°56'37.300"N	104°42'17.077"W	0.00	
4513.00†	17.012	106.206	4392.81	-88.28	-236.06	812.18	39°56'37.219"N	104°42'16.716"W	0.00	
4613.00†	17.012	106.206	4488.43	-91.34	-244.22	840.27	39°56'37.138"N	104°42'16.356"W	0.00	
4713.00†	17.012	106.206	4584.06	-94.39	-252.39	868.37	39°56'37.058"N	104°42'15.995"W	0.00	
4813.00†	17.012	106.206	4679.68	-97.44	-260.55	896.46	39°56'36.977"N	104°42'15.634"W	0.00	
4913.00†	17.012	106.206	4775.31	-100.50	-268.72	924.56	39°56'36.896"N	104°42'15.274"W	0.00	
4938.82†	17.012	106.206	4800.00	-101.29	-270.83	931.81	39°56'36.875"N	104°42'15.180"W	0.00	SUSSEX/SHANNON
5013.00†	17.012	106.206	4870.93	-103.55	-276.89	952.65	39°56'36.816"N	104°42'14.913"W	0.00	
5113.00†	17.012	106.206	4966.56	-106.61	-285.05	980.74	39°56'36.735"N	104°42'14.552"W	0.00	
5213.00†	17.012	106.206	5062.18	-109.66	-293.22	1008.84	39°56'36.654"N	104°42'14.191"W	0.00	
5313.00†	17.012	106.206	5157.80	-112.71	-301.38	1036.93	39°56'36.573"N	104°42'13.831"W	0.00	
5413.00†	17.012	106.206	5253.43	-115.77	-309.55	1065.03	39°56'36.493"N	104°42'13.470"W	0.00	



Planned Wellpath Report

CONNER 19-18-4CDH PWP (REV-A.0)

Page 4 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

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
5513.00†	17.012	106.206	5349.05	-118.82	-317.71	1093.12	39°56'36.412"N	104°42'13.109"W	0.00	
5613.00†	17.012	106.206	5444.68	-121.88	-325.88	1121.22	39°56'36.331"N	104°42'12.749"W	0.00	
5713.00†	17.012	106.206	5540.30	-124.93	-334.04	1149.31	39°56'36.251"N	104°42'12.388"W	0.00	
5813.00†	17.012	106.206	5635.93	-127.98	-342.21	1177.41	39°56'36.170"N	104°42'12.027"W	0.00	
5913.00†	17.012	106.206	5731.55	-131.04	-350.38	1205.50	39°56'36.089"N	104°42'11.667"W	0.00	
6013.00†	17.012	106.206	5827.17	-134.09	-358.54	1233.60	39°56'36.008"N	104°42'11.306"W	0.00	
6113.00†	17.012	106.206	5922.80	-137.14	-366.71	1261.69	39°56'35.928"N	104°42'10.945"W	0.00	
6213.00†	17.012	106.206	6018.42	-140.20	-374.87	1289.79	39°56'35.847"N	104°42'10.584"W	0.00	
6313.00†	17.012	106.206	6114.05	-143.25	-383.04	1317.88	39°56'35.766"N	104°42'10.224"W	0.00	
6413.00†	17.012	106.206	6209.67	-146.31	-391.20	1345.98	39°56'35.686"N	104°42'09.863"W	0.00	
6513.00†	17.012	106.206	6305.30	-149.36	-399.37	1374.07	39°56'35.605"N	104°42'09.502"W	0.00	
6613.00†	17.012	106.206	6400.92	-152.41	-407.54	1402.17	39°56'35.524"N	104°42'09.142"W	0.00	
6713.00†	17.012	106.206	6496.54	-155.47	-415.70	1430.26	39°56'35.443"N	104°42'08.781"W	0.00	
6813.00†	17.012	106.206	6592.17	-158.52	-423.87	1458.35	39°56'35.363"N	104°42'08.420"W	0.00	
6913.00†	17.012	106.206	6687.79	-161.58	-432.03	1486.45	39°56'35.282"N	104°42'08.059"W	0.00	
7013.00†	17.012	106.206	6783.42	-164.63	-440.20	1514.54	39°56'35.201"N	104°42'07.699"W	0.00	
7113.00†	17.012	106.206	6879.04	-167.68	-448.36	1542.64	39°56'35.121"N	104°42'07.338"W	0.00	
7213.00†	17.012	106.206	6974.67	-170.74	-456.53	1570.73	39°56'35.040"N	104°42'06.977"W	0.00	
7263.34	17.012	106.206	7022.81	-172.27	-460.64	1584.88	39°56'34.999"N	104°42'06.796"W	0.00	End of Tangent
7313.00†	16.387	89.001	7070.40	-171.67	-462.55	1598.87	39°56'34.980"N	104°42'06.616"W	10.00	
7413.00†	19.289	57.293	7165.80	-157.64	-453.35	1626.94	39°56'35.071"N	104°42'06.256"W	10.00	
7450.54†	21.474	48.508	7201.00	-148.02	-445.45	1637.31	39°56'35.149"N	104°42'06.123"W	10.00	NIOBRARA A CHALK
7475.40†	23.134	43.629	7224.00	-140.38	-438.90	1644.09	39°56'35.214"N	104°42'06.036"W	10.00	NIOBRARA A MARL
7513.00†	25.885	37.437	7258.21	-126.91	-427.03	1654.17	39°56'35.331"N	104°42'05.906"W	10.00	
7613.00†	34.091	25.890	7344.83	-80.40	-384.38	1679.75	39°56'35.753"N	104°42'05.578"W	10.00	
7650.17†	37.344	22.807	7375.00	-59.36	-364.61	1688.67	39°56'35.948"N	104°42'05.463"W	10.00	NIOBRARA B CHALK
7694.11†	41.278	19.711	7409.00	-32.04	-338.66	1698.73	39°56'36.205"N	104°42'05.334"W	10.00	NIOBRARA B MARL
7713.00†	42.991	18.527	7423.00	-19.52	-326.69	1702.88	39°56'36.323"N	104°42'05.281"W	10.00	
7758.31†	47.146	15.972	7455.00	12.30	-296.06	1712.36	39°56'36.626"N	104°42'05.159"W	10.00	NIOBRARA C CHALK
7796.35†	50.673	14.081	7480.00	40.87	-268.37	1719.78	39°56'36.899"N	104°42'05.064"W	10.00	NIOBRARA C MARL



Planned Wellpath Report

CONNER 19-18-4CDH PWP (REV-A.0)

Page 5 of 10



REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

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
7813.00†	52.226	13.313	7490.38	53.86	-255.72	1722.86	39°56'37.024"N	104°42'05.024"W	10.00	
7913.00†	61.639	9.275	7544.89	137.53	-173.63	1739.09	39°56'37.835"N	104°42'04.816"W	10.00	
8013.00†	71.152	5.903	7584.90	228.94	-82.91	1751.08	39°56'38.732"N	104°42'04.662"W	10.00	
8022.84†	72.091	5.595	7588.00	238.25	-73.62	1752.02	39°56'38.824"N	104°42'04.650"W	10.00	FORT HAYS
8113.00†	80.719	2.897	7609.18	325.32	13.69	1758.46	39°56'39.687"N	104°42'04.567"W	10.00	
8209.78	90.000	0.143	7617.00†	420.55	110.00	1761.00	39°56'40.638"N	104°42'04.534"W	10.00	End of 3D Arc
8213.00†	90.000	0.143	7617.00	423.73	113.22	1761.01	39°56'40.670"N	104°42'04.534"W	0.00	
8313.00†	90.000	0.143	7617.00	522.18	213.22	1761.26	39°56'41.659"N	104°42'04.531"W	0.00	
8413.00†	90.000	0.143	7617.00	620.64	313.22	1761.51	39°56'42.647"N	104°42'04.527"W	0.00	
8513.00†	90.000	0.143	7617.00	719.10	413.22	1761.75	39°56'43.635"N	104°42'04.524"W	0.00	
8613.00†	90.000	0.143	7617.00	817.56	513.22	1762.00	39°56'44.623"N	104°42'04.521"W	0.00	
8713.00†	90.000	0.143	7617.00	916.02	613.22	1762.25	39°56'45.611"N	104°42'04.518"W	0.00	
8813.00†	90.000	0.143	7617.00	1014.48	713.22	1762.50	39°56'46.600"N	104°42'04.514"W	0.00	
8913.00†	90.000	0.143	7617.00	1112.94	813.22	1762.75	39°56'47.588"N	104°42'04.511"W	0.00	
9013.00†	90.000	0.143	7617.00	1211.40	913.22	1763.00	39°56'48.576"N	104°42'04.508"W	0.00	
9113.00†	90.000	0.143	7617.00	1309.85	1013.22	1763.25	39°56'49.564"N	104°42'04.504"W	0.00	
9213.00†	90.000	0.143	7617.00	1408.31	1113.22	1763.50	39°56'50.553"N	104°42'04.501"W	0.00	
9313.00†	90.000	0.143	7617.00	1506.77	1213.22	1763.75	39°56'51.541"N	104°42'04.498"W	0.00	
9413.00†	90.000	0.143	7617.00	1605.23	1313.22	1763.99	39°56'52.529"N	104°42'04.494"W	0.00	
9513.00†	90.000	0.143	7617.00	1703.69	1413.22	1764.24	39°56'53.517"N	104°42'04.491"W	0.00	
9613.00†	90.000	0.143	7617.00	1802.15	1513.22	1764.49	39°56'54.506"N	104°42'04.488"W	0.00	
9713.00†	90.000	0.143	7617.00	1900.61	1613.22	1764.74	39°56'55.494"N	104°42'04.485"W	0.00	
9813.00†	90.000	0.143	7617.00	1999.07	1713.22	1764.99	39°56'56.482"N	104°42'04.481"W	0.00	
9913.00†	90.000	0.143	7617.00	2097.52	1813.22	1765.24	39°56'57.470"N	104°42'04.478"W	0.00	
10013.00†	90.000	0.143	7617.00	2195.98	1913.21	1765.49	39°56'58.459"N	104°42'04.475"W	0.00	
10113.00†	90.000	0.143	7617.00	2294.44	2013.21	1765.74	39°56'59.447"N	104°42'04.471"W	0.00	
10213.00†	90.000	0.143	7617.00	2392.90	2113.21	1765.99	39°57'00.435"N	104°42'04.468"W	0.00	
10313.00†	90.000	0.143	7617.00	2491.36	2213.21	1766.23	39°57'01.423"N	104°42'04.465"W	0.00	
10413.00†	90.000	0.143	7617.00	2589.82	2313.21	1766.48	39°57'02.412"N	104°42'04.462"W	0.00	
10513.00†	90.000	0.143	7617.00	2688.28	2413.21	1766.73	39°57'03.400"N	104°42'04.458"W	0.00	



Planned Wellpath Report

CONNER 19-18-4CDH PWP (REV-A.0)

Page 6 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

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
10613.00†	90.000	0.143	7617.00	2786.74	2513.21	1766.98	39°57'04.388"N	104°42'04.455"W	0.00	
10713.00†	90.000	0.143	7617.00	2885.19	2613.21	1767.23	39°57'05.376"N	104°42'04.452"W	0.00	
10813.00†	90.000	0.143	7617.00	2983.65	2713.21	1767.48	39°57'06.364"N	104°42'04.448"W	0.00	
10913.00†	90.000	0.143	7617.00	3082.11	2813.21	1767.73	39°57'07.353"N	104°42'04.445"W	0.00	
11013.00†	90.000	0.143	7617.00	3180.57	2913.21	1767.98	39°57'08.341"N	104°42'04.442"W	0.00	
11113.00†	90.000	0.143	7617.00	3279.03	3013.21	1768.23	39°57'09.329"N	104°42'04.439"W	0.00	
11213.00†	90.000	0.143	7617.00	3377.49	3113.21	1768.47	39°57'10.317"N	104°42'04.435"W	0.00	
11313.00†	90.000	0.143	7617.00	3475.95	3213.21	1768.72	39°57'11.306"N	104°42'04.432"W	0.00	
11413.00†	90.000	0.143	7617.00	3574.41	3313.21	1768.97	39°57'12.294"N	104°42'04.429"W	0.00	
11513.00†	90.000	0.143	7617.00	3672.86	3413.21	1769.22	39°57'13.282"N	104°42'04.425"W	0.00	
11613.00†	90.000	0.143	7617.00	3771.32	3513.21	1769.47	39°57'14.270"N	104°42'04.422"W	0.00	
11713.00†	90.000	0.143	7617.00	3869.78	3613.21	1769.72	39°57'15.259"N	104°42'04.419"W	0.00	
11813.00†	90.000	0.143	7617.00	3968.24	3713.21	1769.97	39°57'16.247"N	104°42'04.416"W	0.00	
11913.00†	90.000	0.143	7617.00	4066.70	3813.21	1770.22	39°57'17.235"N	104°42'04.412"W	0.00	
12013.00†	90.000	0.143	7617.00	4165.16	3913.21	1770.47	39°57'18.223"N	104°42'04.409"W	0.00	
12113.00†	90.000	0.143	7617.00	4263.62	4013.21	1770.71	39°57'19.212"N	104°42'04.406"W	0.00	
12213.00†	90.000	0.143	7617.00	4362.08	4113.21	1770.96	39°57'20.200"N	104°42'04.402"W	0.00	
12313.00†	90.000	0.143	7617.00	4460.53	4213.21	1771.21	39°57'21.188"N	104°42'04.399"W	0.00	
12413.00†	90.000	0.143	7617.00	4558.99	4313.21	1771.46	39°57'22.176"N	104°42'04.396"W	0.00	
12513.00†	90.000	0.143	7617.00	4657.45	4413.21	1771.71	39°57'23.165"N	104°42'04.393"W	0.00	
12613.00†	90.000	0.143	7617.00	4755.91	4513.21	1771.96	39°57'24.153"N	104°42'04.389"W	0.00	
12713.00†	90.000	0.143	7617.00	4854.37	4613.21	1772.21	39°57'25.141"N	104°42'04.386"W	0.00	
12813.00†	90.000	0.143	7617.00	4952.83	4713.21	1772.46	39°57'26.129"N	104°42'04.383"W	0.00	
12913.00†	90.000	0.143	7617.00	5051.29	4813.21	1772.71	39°57'27.117"N	104°42'04.379"W	0.00	
13013.00†	90.000	0.143	7617.00	5149.75	4913.21	1772.95	39°57'28.106"N	104°42'04.376"W	0.00	
13113.00†	90.000	0.143	7617.00	5248.21	5013.21	1773.20	39°57'29.094"N	104°42'04.373"W	0.00	
13213.00†	90.000	0.143	7617.00	5346.66	5113.20	1773.45	39°57'30.082"N	104°42'04.370"W	0.00	
13313.00†	90.000	0.143	7617.00	5445.12	5213.20	1773.70	39°57'31.070"N	104°42'04.366"W	0.00	
13413.00†	90.000	0.143	7617.00	5543.58	5313.20	1773.95	39°57'32.059"N	104°42'04.363"W	0.00	
13513.00†	90.000	0.143	7617.00	5642.04	5413.20	1774.20	39°57'33.047"N	104°42'04.360"W	0.00	



Planned Wellpath Report

CONNER 19-18-4CDH PWP (REV-A.0)

Page 7 of 10

**BAKER
HUGHES**
a GE company



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

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
13613.00†	90.000	0.143	7617.00	5740.50	5513.20	1774.45	39°57'34.035"N	104°42'04.356"W	0.00	
13713.00†	90.000	0.143	7617.00	5838.96	5613.20	1774.70	39°57'35.023"N	104°42'04.353"W	0.00	
13813.00†	90.000	0.143	7617.00	5937.42	5713.20	1774.95	39°57'36.012"N	104°42'04.350"W	0.00	
13913.00†	90.000	0.143	7617.00	6035.88	5813.20	1775.19	39°57'37.000"N	104°42'04.347"W	0.00	
14013.00†	90.000	0.143	7617.00	6134.33	5913.20	1775.44	39°57'37.988"N	104°42'04.343"W	0.00	
14113.00†	90.000	0.143	7617.00	6232.79	6013.20	1775.69	39°57'38.976"N	104°42'04.340"W	0.00	
14213.00†	90.000	0.143	7617.00	6331.25	6113.20	1775.94	39°57'39.965"N	104°42'04.337"W	0.00	
14313.00†	90.000	0.143	7617.00	6429.71	6213.20	1776.19	39°57'40.953"N	104°42'04.333"W	0.00	
14413.00†	90.000	0.143	7617.00	6528.17	6313.20	1776.44	39°57'41.941"N	104°42'04.330"W	0.00	
14513.00†	90.000	0.143	7617.00	6626.63	6413.20	1776.69	39°57'42.929"N	104°42'04.327"W	0.00	
14613.00†	90.000	0.143	7617.00	6725.09	6513.20	1776.94	39°57'43.917"N	104°42'04.324"W	0.00	
14713.00†	90.000	0.143	7617.00	6823.55	6613.20	1777.19	39°57'44.906"N	104°42'04.320"W	0.00	
14813.00†	90.000	0.143	7617.00	6922.00	6713.20	1777.43	39°57'45.894"N	104°42'04.317"W	0.00	
14913.00†	90.000	0.143	7617.00	7020.46	6813.20	1777.68	39°57'46.882"N	104°42'04.314"W	0.00	
15013.00†	90.000	0.143	7617.00	7118.92	6913.20	1777.93	39°57'47.870"N	104°42'04.310"W	0.00	
15113.00†	90.000	0.143	7617.00	7217.38	7013.20	1778.18	39°57'48.859"N	104°42'04.307"W	0.00	
15213.00†	90.000	0.143	7617.00	7315.84	7113.20	1778.43	39°57'49.847"N	104°42'04.304"W	0.00	
15313.00†	90.000	0.143	7617.00	7414.30	7213.20	1778.68	39°57'50.835"N	104°42'04.301"W	0.00	
15413.00†	90.000	0.143	7617.00	7512.76	7313.20	1778.93	39°57'51.823"N	104°42'04.297"W	0.00	
15513.00†	90.000	0.143	7617.00	7611.22	7413.20	1779.18	39°57'52.812"N	104°42'04.294"W	0.00	
15613.00†	90.000	0.143	7617.00	7709.67	7513.20	1779.43	39°57'53.800"N	104°42'04.291"W	0.00	
15713.00†	90.000	0.143	7617.00	7808.13	7613.20	1779.67	39°57'54.788"N	104°42'04.287"W	0.00	
15813.00†	90.000	0.143	7617.00	7906.59	7713.20	1779.92	39°57'55.776"N	104°42'04.284"W	0.00	
15913.00†	90.000	0.143	7617.00	8005.05	7813.20	1780.17	39°57'56.765"N	104°42'04.281"W	0.00	
16013.00†	90.000	0.143	7617.00	8103.51	7913.20	1780.42	39°57'57.753"N	104°42'04.278"W	0.00	
16113.00†	90.000	0.143	7617.00	8201.97	8013.20	1780.67	39°57'58.741"N	104°42'04.274"W	0.00	
16213.00†	90.000	0.143	7617.00	8300.43	8113.20	1780.92	39°57'59.729"N	104°42'04.271"W	0.00	
16313.00†	90.000	0.143	7617.00	8398.89	8213.20	1781.17	39°58'00.718"N	104°42'04.268"W	0.00	
16413.00†	90.000	0.143	7617.00	8497.34	8313.19	1781.42	39°58'01.706"N	104°42'04.264"W	0.00	
16513.00†	90.000	0.143	7617.00	8595.80	8413.19	1781.67	39°58'02.694"N	104°42'04.261"W	0.00	



Planned Wellpath Report

CONNER 19-18-4CDH PWP (REV-A.0)

Page 8 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

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
16613.00†	90.000	0.143	7617.00	8694.26	8513.19	1781.91	39°58'03.682"N	104°42'04.258"W	0.00	
16713.00†	90.000	0.143	7617.00	8792.72	8613.19	1782.16	39°58'04.670"N	104°42'04.254"W	0.00	
16813.00†	90.000	0.143	7617.00	8891.18	8713.19	1782.41	39°58'05.659"N	104°42'04.251"W	0.00	
16913.00†	90.000	0.143	7617.00	8989.64	8813.19	1782.66	39°58'06.647"N	104°42'04.248"W	0.00	
17013.00†	90.000	0.143	7617.00	9088.10	8913.19	1782.91	39°58'07.635"N	104°42'04.245"W	0.00	
17113.00†	90.000	0.143	7617.00	9186.56	9013.19	1783.16	39°58'08.623"N	104°42'04.241"W	0.00	
17213.00†	90.000	0.143	7617.00	9285.01	9113.19	1783.41	39°58'09.612"N	104°42'04.238"W	0.00	
17313.00†	90.000	0.143	7617.00	9383.47	9213.19	1783.66	39°58'10.600"N	104°42'04.235"W	0.00	
17413.00†	90.000	0.143	7617.00	9481.93	9313.19	1783.91	39°58'11.588"N	104°42'04.231"W	0.00	
17513.00†	90.000	0.143	7617.00	9580.39	9413.19	1784.15	39°58'12.576"N	104°42'04.228"W	0.00	
17613.00†	90.000	0.143	7617.00	9678.85	9513.19	1784.40	39°58'13.565"N	104°42'04.225"W	0.00	
17713.00†	90.000	0.143	7617.00	9777.31	9613.19	1784.65	39°58'14.553"N	104°42'04.222"W	0.00	
17813.00†	90.000	0.143	7617.00	9875.77	9713.19	1784.90	39°58'15.541"N	104°42'04.218"W	0.00	
17913.00†	90.000	0.143	7617.00	9974.23	9813.19	1785.15	39°58'16.529"N	104°42'04.215"W	0.00	
18007.75	90.000	0.143	7617.00 ²	10067.52	9907.94	1785.39	39°58'17.466"N	104°42'04.212"W	0.00	End of Tangent; CODELL/LANDING ZONE

HOLE & CASING SECTIONS

- Ref Wellbore: CONNER 19-18-4CDH PWB

Ref Wellpath: CONNER 19-18-4CDH PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
9.625in Casing Surface	13.00	700.00	687.00	13.00	700.00	0.00	0.00	0.00	0.00
8.5in Open Hole	700.00	18007.75	17307.75	700.00	7617.00	0.00	0.00	9907.94	1785.39



Planned Wellpath Report

CONNER 19-18-4CDH PWP (REV-A.0)

Page 9 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SEC.18-T01S-R65W		0.00	0.00	-179.45	3222009.38	1223555.33	39°56'39.552"N	104°42'29.448"W	polygon
SEC.19-T01S-R65W		0.00	0.00	-179.45	3222009.38	1223555.33	39°56'39.552"N	104°42'29.448"W	polygon
CONNER 19-18-4CDH BHL (460'FNL & 3736'FWL. SEC.18)		7617.00	9802.94	1785.39	3223886.48	1233375.14	39°58'16.428"N	104°42'04.212"W	point
2) CONNER 19-18-4CDH BHL REV-1 (355'FNL & 3736'FWL. SEC.18)	18007.75	7617.00	9907.94	1785.39	3223885.54	1233480.13	39°58'17.466"N	104°42'04.212"W	point
CONNER 19-18-4CDH LP (460'FSL & 3736'FWL. SEC.19)		7617.00	10.99	1738.42	3223927.02	1223583.46	39°56'39.660"N	104°42'04.824"W	point
1) CONNER 19-18-4CDH LP REV-1 (460'FSL & 3736'FWL. SEC.19)	8209.78	7617.00	110.00	1761.00	3223948.71	1223682.66	39°56'40.638"N	104°42'04.534"W	point
SEC.18-T01S-R65W (460' SETBACK)		7660.00	0.00	-179.45	3222009.38	1223555.33	39°56'39.552"N	104°42'29.448"W	polygon
SEC.19-T01S-R65W (460' SETBACK)		7660.00	0.00	-179.45	3222009.38	1223555.33	39°56'39.552"N	104°42'29.448"W	polygon

SURVEY PROGRAM -

Ref Wellbore: CONNER 19-18-4CDH PWB Ref Wellpath: CONNER 19-18-4CDH PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
13.00	700.00	BHI NaviTrak (Standard)		CONNER 19-18-4CDH PWB
700.00	18007.75	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)		CONNER 19-18-4CDH PWB



Planned Wellpath Report

CONNER 19-18-4CDH PWP (REV-A.0)

Page 10 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
700.00	0.000	106.206	700.00	FOX HILLS
4938.82	17.012	106.206	4800.00	SUSSEX/SHANNON
7450.54	21.474	48.508	7201.00	NIOBRARA A CHALK
7475.40	23.134	43.629	7224.00	NIOBRARA A MARL
7650.17	37.344	22.807	7375.00	NIOBRARA B CHALK
7694.11	41.278	19.711	7409.00	NIOBRARA B MARL
7758.31	47.146	15.972	7455.00	NIOBRARA C CHALK
7796.35	50.673	14.081	7480.00	NIOBRARA C MARL
8022.84	72.091	5.595	7588.00	FORT HAYS
18007.75	90.000	0.143	7617.00	CODELL/LANDING ZONE

DESIGN COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
13.00	0.000	106.206	13.00	Tie On
1200.00	0.000	106.206	1200.00	End of Tangent
2050.60	17.012	106.206	2038.16	End of Build
7263.34	17.012	106.206	7022.81	End of Tangent
8209.78	90.000	0.143	7617.00	End of 3D Arc
18007.75	90.000	0.143	7617.00	End of Tangent



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 1 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

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	7/28/2017 at 8:48:04 AM
Convergence at slot	0.51° East	Database/Source file	WA_DEN_Denver_Defn/CONNER_19-18-4CDH_PWP__REV-A.0__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	179.45	3222188.82	1223556.94	39°56'39.552"N	104°42'27.144"W
Facility Reference Pt			3222009.38	1223555.33	39°56'39.552"N	104°42'29.448"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 (5142'GL + 13'KB) (RKB) to Facility Vertical Datum	5155.00ft
Horizontal Reference Pt	Slot	RIG (5142'GL + 13'KB) (RKB) to Mean Sea Level	5155.00ft
Vertical Reference Pt	RIG (5142'GL + 13'KB) (RKB)	RIG (5142'GL + 13'KB) (RKB) to Mud Line at Slot (SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19))	5155.00ft
MD Reference Pt	RIG (5142'GL + 13'KB) (RKB)		
Field Vertical Reference	Mean Sea Level		

POSITIONAL UNCERTAINTY CALCULATION SETTINGS

Ellipse Confidence Limit	3.00 Std Dev	Ellipse Start MD	13.00ft	Surface Position Uncertainty	included
Declination	8.32° East of TN	Dip Angle	66.52°	Mag Field Strength	52171 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

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 2 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

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: CONNER 19-18-4CDH PWB Ref Wellpath: CONNER 19-18-4CDH PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
9.625in Casing Surface	13.00	700.00	687.00	13.00	700.00	0.00	0.00	0.00	0.00
8.5in Open Hole	700.00	18007.75	17307.75	700.00	7617.00	0.00	0.00	9907.94	1785.39

SURVEY PROGRAM - Ref Wellbore: CONNER 19-18-4CDH PWB Ref Wellpath: CONNER 19-18-4CDH PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
13.00	700.00	BHI NaviTrak (Standard)		CONNER 19-18-4CDH PWB
700.00	18007.75	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)		CONNER 19-18-4CDH PWB



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 3 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CALCULATION RANGE & CUTOFF

From: 13.00ft MD	To: 18007.75ft MD	C-C Cutoff: 1000.00 ft
------------------	-------------------	------------------------

OFFSET WELL CLEARANCE SUMMARY (25 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.18-T01S-R65W	SLOT#01 EX PUTNAM 41-18 (990'FNL & 990'FEL, SEC.18, SI,8092')	PUTNAM 41-18	PUTNAM 41-18 AWB	PUTNAM 41-18 AWP	17246.03	27.73	17246.03	17247.82	0.05	17247.82	FAIL
SEC.19-T01S-R65W	SLOT#12 CONNER 19-18-3NBH (350'FSL & 1960'FWL, SEC.19)	CONNER 19-18-3NBH	CONNER 19-18-3NBH PWB	CONNER 19-18-3NBH PWP (REV-A.0)	13.00	14.02	17999.49	17999.49	0.80	17999.49	FAIL
SEC.19-T01S-R65W	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)	CONNER 19-18-4NCH	CONNER 19-18-4NCH PWB	CONNER 19-18-4NCH PWP (REV-A.0)	13.00	30.84	18007.75	18007.75	0.90	18007.75	FAIL
SEC.19-T01S-R65W	SLOT#16 CONNER 19-18-4NBH (350'FSL & 2020'FWL, SEC.19)	CONNER 19-18-4NBH	CONNER 19-18-4NBH PWB	CONNER 19-18-4NBH PWP (REV-A.0)	13.00	44.86	18007.75	18007.75	1.06	18007.75	PASS
SEC.19-T01S-R65W	SLOT#14 CONNER 19-18-4NXH (350'FSL & 1990'FWL, SEC.19)	CONNER 19-18-4NXH	CONNER 19-18-4NXH PWB	CONNER 19-18-4NXH PWP (REV-A.0)	13.00	16.82	18007.75	18007.75	1.11	18007.75	PASS
SEC.19-T01S-R65W	SLOT#11 CONNER 19-18-3NCH (350'FSL & 1945'FWL, SEC.19)	CONNER 19-18-3NCH	CONNER 19-18-3NCH PWB	CONNER 19-18-3NCH PWP (REV-A.0)	13.00	28.04	17991.32	17991.32	1.19	17991.32	PASS
SEC.18-T01S-R65W	SLOT#01 EX TRACY #1 (990'FSL & 1650'FEL, SEC.18, PR,8150)	TRACY #1	TRACY #1 AWB	TRACY #1 AWP	14048.29	563.70	14048.29	14013.00	1.41	14013.00	PASS
SEC.19-T01S-R65W	SLOT#10 CONNER 19-18-3NXH (350'FSL & 1930'FWL, SEC.19)	CONNER 19-18-3NXH	CONNER 19-18-3NXH PWB	CONNER 19-18-3NXH PWP (REV-A.0)	13.00	44.86	17990.96	17990.96	1.57	17990.96	PASS
SEC.19-T01S-R65W	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)	CONNER 19-18-3CDH	CONNER 19-18-3CDH PWB	CONNER 19-18-3CDH PWP (REV-A.0)	13.00	58.88	17986.70	17986.70	1.71	17986.70	PASS
SEC.19-T01S-R65W	SLOT#08 CONNER 19-18-2NBH (350'FSL & 1900'FWL, SEC.19)	CONNER 19-18-2NBH	CONNER 19-18-2NBH PWB	CONNER 19-18-2NBH PWP (REV-A.0)	13.00	72.90	1200.00	17978.67	2.36	17978.67	PASS
SEC.19-T01S-R65W	SLOT#07 CONNER 19-18-2NCH (350'FSL & 1885'FWL, SEC.19)	CONNER 19-18-2NCH	CONNER 19-18-2NCH PWB	CONNER 19-18-2NCH PWP (REV-A.0)	13.00	89.73	17913.00	17977.11	2.87	17977.11	PASS
SEC.30-T1S-R65W	SLOT#02 EX ROSENBROCK 31-30 (662'FNL & 1987'FEL, SEC.30, PR,8215)	ROSENBROCK 31-30	ROSENBROCK 31-30 AWB	ROSENBROCK 31-30 AWP	5713.00	720.10	5713.00	6513.00	3.24	6513.00	PASS
SEC.19-T01S-R65W	SLOT#01 EX PRICE #7-19 (1800'FNL & 2170'FEL, SEC.19, SI,8226)	PRICE #7-19	PRICE #7-19 AWB	PRICE #7-19 AWP	11245.68	1065.71	11245.68	11213.00	3.36	11213.00	PASS
SEC.19-T01S-R65W	SLOT#06 CONNER 19-18-2NXH (350'FSL & 1870'FWL, SEC.19)	CONNER 19-18-2NXH	CONNER 19-18-2NXH PWB	CONNER 19-18-2NXH PWP (REV-A.0)	13.00	103.74	1200.00	18001.86	3.37	18001.86	PASS
SEC.19-T01S-R65W	SLOT#05 CONNER 19-18-2CDH (350'FSL & 1855'FWL, SEC.19)	CONNER 19-18-2CDH	CONNER 19-18-2CDH PWB	CONNER 19-18-2CDH PWP (REV-A.0)	13.00	117.76	1200.00	18007.75	3.43	18007.75	PASS
SEC.17-T01S-R65W	SLOT#01 EX AMOCO #17-32 (2013'FSL & 464'FWL, SEC.17, PR,8140')	AMOCO #17-32	AMOCO #17-32 AWB	AMOCO #17-32 AWP	14868.21	1502.11	14868.21	15093.12	3.48	15093.12	PASS
SEC.18-T01S-65W	SLOT#02 EX GAIL 1 (2140'FNL & 2029'FWL, SEC.18, PR,8226')	GAIL 1	GAIL 1 AWB	GAIL 1 AWP	16225.50	1722.10	16225.50	16233.51	3.70	16233.51	PASS
SEC.19-T01S-R65W	SLOT#04 CONNER 19-18-1NBH (350'FSL & 1840'FWL, SEC.19)	CONNER 19-18-1NBH	CONNER 19-18-1NBH PWB	CONNER 19-18-1NBH PWP (REV-A.0)	13.00	134.59	913.00	18007.75	4.03	18007.75	PASS
SEC.19-T01S-R65W	SLOT#03 CONNER 19-18-1NCH (350'FSL & 1825'FWL, SEC.19)	CONNER 19-18-1NCH	CONNER 19-18-1NCH PWB	CONNER 19-18-1NCH PWP (REV-A.0)	13.00	148.61	913.00	18007.75	4.58	18007.75	PASS
SEC.19-T01S-R65W	SLOT#02 CONNER 19-18-1NXH (350'FSL & 1810'FWL, SEC.19)	CONNER 19-18-1NXH	CONNER 19-18-1NXH PWB	CONNER 19-18-1NXH PWP (REV-A.0)	13.00	162.63	813.00	18007.75	5.04	18007.75	PASS
SEC.19-T01S-R65W	SLOT#01 CONNER 19-18-1CDH (350'FSL & 1795'FWL, SEC.19)	CONNER 19-18-1CDH	CONNER 19-18-1CDH PWB	CONNER 19-18-1CDH PWP (REV-A.0)	13.00	179.45	713.00	18007.75	5.15	18007.75	PASS

OFFSET WELL CLEARANCE SUMMARY (25 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.18-T01S-65W	SLOT#01 EX GAIL SMITH 1 (466'FNL & 460'FWL, SEC.18, PR, 8100')	GAIL SMITH 1	GAIL SMITH 1 AWB	GAIL SMITH 1 AWP	17863.00	3292.95	17863.00	18007.75	6.36	18007.75	PASS
SEC.18-T01S-R65W	SLOT#01 MILHEIM #1 (990'FSL & 990'FWL, SEC.18, PA,8125')	MILHEIM #1	MILHEIM #1 AWB	MILHEIM #1 AWP	14013.00	2805.93	14013.00	14192.84	7.04	14192.84	PASS
SEC.19-T01S-R65W	SLOT#17 EX UPPR-LETTERLY #1 (1450'FSL & 990'FWL, SEC.19, PA,8184)	UPPR-LETTERLY #1	UPPR-LETTERLY #1 AWB	UPPR-LETTERLY #1 AWP	13.00	1465.74	9113.00	8663.55	10.39	9413.00	PASS
SEC.13-T01S-R66W	SLOT#01 EX ROCK #1 (760'FSL & 930'FEL, SEC.13, PA,8120)	ROCK #1	ROCK #1 AWB	ROCK #1 AWP	13788.00	4728.42	13788.00	14560.23	11.87	14560.23	PASS



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 4 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: PUTNAM 41-18 AWB Offset Wellpath: PUTNAM 41-18 AWP

Facility: SEC.18-T01S-R65W		Slot: SLOT#01 EX PUTNAM 41-18 (990'FNL & 990'FEL, SEC.18, SI,8092')		Well: PUTNAM 41-18		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
13.00	13.00	0.00	0.00	-13.00	56.00	9146.14	1811.22	11.20	9323.85	25.40	378.96	PASS
113.00†	113.00	0.00	0.00	44.00	113.00	9146.14	1811.22	11.20	9323.75	51.04	185.59	PASS
213.00†	213.00	0.00	0.00	144.00	213.00	9146.14	1811.22	11.20	9323.75	53.39	177.29	PASS
313.00†	313.00	0.00	0.00	244.00	313.00	9146.14	1811.22	11.20	9323.75	55.75	169.68	PASS
413.00†	413.00	0.00	0.00	344.00	413.00	9146.14	1811.22	11.20	9323.75	58.12	162.65	PASS
513.00†	513.00	0.00	0.00	444.00	513.00	9146.14	1811.22	11.20	9323.75	60.50	156.16	PASS
613.00†	613.00	0.00	0.00	544.00	613.00	9146.14	1811.22	11.20	9323.75	62.90	150.13	PASS
713.00†	713.00	0.00	0.00	644.00	713.00	9146.14	1811.22	11.20	9323.75	65.17	144.62	PASS
813.00†	813.00	0.00	0.00	744.00	813.00	9146.14	1811.22	11.20	9323.75	67.51	139.56	PASS
913.00†	913.00	0.00	0.00	844.00	913.00	9146.14	1811.22	11.20	9323.75	69.86	134.82	PASS
1013.00†	1013.00	0.00	0.00	944.00	1013.00	9146.14	1811.22	11.20	9323.75	72.22	130.37	PASS
1113.00†	1113.00	0.00	0.00	1044.00	1113.00	9146.14	1811.22	11.20	9323.75	74.59	126.18	PASS
1200.00	1200.00	0.00	0.00	1131.00	1200.00	9146.14	1811.22	11.20	9323.75	76.67	122.74	PASS
1213.00†	1213.00	-0.01	0.03	1144.00	1213.00	9146.14	1811.22	-95.01	9323.75	76.98	122.24	PASS
1313.00†	1312.97	-0.62	2.14	1243.97	1312.97	9146.14	1811.22	-95.02	9323.95	79.37	118.52	PASS
1413.00†	1412.80	-2.21	7.60	1343.80	1412.80	9146.14	1811.22	-95.04	9324.45	81.77	115.02	PASS
1513.00†	1512.38	-4.77	16.40	1443.38	1512.38	9146.14	1811.22	-95.08	9325.26	84.18	111.71	PASS
1613.00†	1611.57	-8.29	28.54	1542.57	1611.57	9146.14	1811.22	-95.13	9326.39	86.60	108.57	PASS
1713.00†	1710.26	-12.79	43.99	1641.26	1710.26	9146.14	1811.22	-95.20	9327.86	89.03	105.60	PASS
1813.00†	1808.33	-18.23	62.74	1739.33	1808.33	9146.14	1811.22	-95.28	9329.68	91.48	102.78	PASS
1913.00†	1905.66	-24.64	84.76	1836.66	1905.66	9146.14	1811.22	-95.38	9331.87	93.95	100.08	PASS
2013.00†	2002.13	-31.98	110.04	1933.13	2002.13	9146.14	1811.22	-95.48	9334.45	96.45	97.49	PASS
2050.60	2038.16	-34.99	120.37	1969.16	2038.16	9146.14	1811.22	-95.52	9335.52	97.40	96.55	PASS
2113.00†	2097.83	-40.08	137.90	2028.83	2097.83	9146.14	1811.22	-95.63	9337.38	98.98	95.01	PASS
2213.00†	2193.45	-48.25	166.00	2124.45	2193.45	9146.14	1811.22	-95.80	9340.42	101.57	92.60	PASS
2313.00†	2289.08	-56.41	194.09	2220.08	2289.08	9146.14	1811.22	-95.97	9343.56	104.19	90.28	PASS
2413.00†	2384.70	-64.58	222.19	2315.70	2384.70	9146.14	1811.22	-96.14	9346.78	106.86	88.04	PASS
2513.00†	2480.32	-72.74	250.28	2411.32	2480.32	9146.14	1811.22	-96.31	9350.10	109.57	85.88	PASS
2613.00†	2575.95	-80.91	278.38	2506.95	2575.95	9146.14	1811.22	-96.48	9353.50	112.32	83.80	PASS
2713.00†	2671.57	-89.08	306.47	2602.57	2671.57	9146.14	1811.22	-96.65	9357.00	115.10	81.79	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 5 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: PUTNAM 41-18 AWB Offset Wellpath: PUTNAM 41-18 AWP

Facility: SEC.18-T01S-R65W		Slot: SLOT#01 EX PUTNAM 41-18 (990'FNL & 990'FEL, SEC.18, SI,8092')				Well: PUTNAM 41-18		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
2813.00†	2767.20	-97.24	334.57	2698.20	2767.20	9146.14	1811.22	-96.82	9360.58	117.91	79.86	PASS
2913.00†	2862.82	-105.41	362.66	2793.82	2862.82	9146.14	1811.22	-96.99	9364.26	120.76	78.00	PASS
3013.00†	2958.45	-113.57	390.76	2889.45	2958.45	9146.14	1811.22	-97.16	9368.03	123.63	76.21	PASS
3113.00†	3054.07	-121.74	418.85	2985.07	3054.07	9146.14	1811.22	-97.33	9371.88	126.53	74.48	PASS
3213.00†	3149.69	-129.90	446.94	3080.69	3149.69	9146.14	1811.22	-97.50	9375.83	129.46	72.82	PASS
3313.00†	3245.32	-138.07	475.04	3176.32	3245.32	9146.14	1811.22	-97.67	9379.86	132.41	71.22	PASS
3413.00†	3340.94	-146.23	503.13	3271.94	3340.94	9146.14	1811.22	-97.84	9383.99	135.38	69.68	PASS
3513.00†	3436.57	-154.40	531.23	3367.57	3436.57	9146.14	1811.22	-98.01	9388.20	138.37	68.19	PASS
3613.00†	3532.19	-162.57	559.32	3463.19	3532.19	9146.14	1811.22	-98.18	9392.51	141.38	66.76	PASS
3713.00†	3627.82	-170.73	587.42	3558.82	3627.82	9146.14	1811.22	-98.35	9396.90	144.41	65.39	PASS
3813.00†	3723.44	-178.90	615.51	3654.44	3723.44	9146.14	1811.22	-98.52	9401.38	147.46	64.06	PASS
3913.00†	3819.06	-187.06	643.61	3750.06	3819.06	9146.14	1811.22	-98.69	9405.95	150.52	62.78	PASS
4013.00†	3914.69	-195.23	671.70	3845.69	3914.69	9146.14	1811.22	-98.85	9410.61	153.60	61.55	PASS
4113.00†	4010.31	-203.39	699.80	3941.31	4010.31	9146.14	1811.22	-99.02	9415.36	156.69	60.36	PASS
4213.00†	4105.94	-211.56	727.89	4036.94	4105.94	9146.14	1811.22	-99.19	9420.20	159.79	59.21	PASS
4313.00†	4201.56	-219.73	755.99	4132.56	4201.56	9146.14	1811.22	-99.36	9425.12	162.90	58.11	PASS
4413.00†	4297.19	-227.89	784.08	4228.19	4297.19	9146.14	1811.22	-99.53	9430.13	166.02	57.04	PASS
4513.00†	4392.81	-236.06	812.18	4323.81	4392.81	9146.14	1811.22	-99.69	9435.23	169.16	56.01	PASS
4613.00†	4488.43	-244.22	840.27	4419.43	4488.43	9146.14	1811.22	-99.86	9440.42	172.30	55.01	PASS
4713.00†	4584.06	-252.39	868.37	4515.06	4584.06	9146.14	1811.22	-100.03	9445.70	175.45	54.05	PASS
4813.00†	4679.68	-260.55	896.46	4610.68	4679.68	9146.14	1811.22	-100.20	9451.06	178.61	53.12	PASS
4913.00†	4775.31	-268.72	924.56	4706.31	4775.31	9146.14	1811.22	-100.36	9456.52	181.78	52.22	PASS
5013.00†	4870.93	-276.89	952.65	4801.93	4870.93	9146.14	1811.22	-100.53	9462.06	184.95	51.35	PASS
5113.00†	4966.56	-285.05	980.74	4897.56	4966.56	9146.14	1811.22	-100.70	9467.68	188.13	50.51	PASS
5213.00†	5062.18	-293.22	1008.84	4993.18	5062.18	9146.14	1811.22	-100.86	9473.40	191.31	49.70	PASS
5313.00†	5157.80	-301.38	1036.93	5088.80	5157.80	9146.14	1811.22	-101.03	9479.20	194.50	48.91	PASS
5413.00†	5253.43	-309.55	1065.03	5184.43	5253.43	9146.14	1811.22	-101.20	9485.08	197.70	48.15	PASS
5513.00†	5349.05	-317.71	1093.12	5280.05	5349.05	9146.14	1811.22	-101.36	9491.06	200.90	47.41	PASS
5613.00†	5444.68	-325.88	1121.22	5375.68	5444.68	9146.14	1811.22	-101.53	9497.12	204.10	46.69	PASS
5713.00†	5540.30	-334.04	1149.31	5471.30	5540.30	9146.14	1811.22	-101.69	9503.26	207.31	45.99	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 6 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: PUTNAM 41-18 AWB Offset Wellpath: PUTNAM 41-18 AWP

Facility: SEC.18-T01S-R65W		Slot: SLOT#01 EX PUTNAM 41-18 (990'FNL & 990'FEL, SEC.18, SI,8092')				Well: PUTNAM 41-18		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
5813.00†	5635.93	-342.21	1177.41	5566.93	5635.93	9146.14	1811.22	-101.86	9509.49	210.52	45.32	PASS
5913.00†	5731.55	-350.38	1205.50	5662.55	5731.55	9146.14	1811.22	-102.02	9515.81	213.74	44.67	PASS
6013.00†	5827.17	-358.54	1233.60	5758.17	5827.17	9146.14	1811.22	-102.19	9522.21	216.96	44.03	PASS
6113.00†	5922.80	-366.71	1261.69	5853.80	5922.80	9146.14	1811.22	-102.35	9528.70	220.18	43.41	PASS
6213.00†	6018.42	-374.87	1289.79	5949.42	6018.42	9146.14	1811.22	-102.52	9535.28	223.40	42.82	PASS
6313.00†	6114.05	-383.04	1317.88	6045.05	6114.05	9146.14	1811.22	-102.68	9541.94	226.63	42.23	PASS
6413.00†	6209.67	-391.20	1345.98	6140.67	6209.67	9146.14	1811.22	-102.85	9548.68	229.85	41.67	PASS
6513.00†	6305.30	-399.37	1374.07	6236.30	6305.30	9146.14	1811.22	-103.01	9555.51	233.08	41.12	PASS
6613.00†	6400.92	-407.54	1402.17	6331.92	6400.92	9146.14	1811.22	-103.17	9562.43	236.32	40.58	PASS
6713.00†	6496.54	-415.70	1430.26	6427.54	6496.54	9146.14	1811.22	-103.34	9569.42	239.55	40.06	PASS
6813.00†	6592.17	-423.87	1458.35	6523.17	6592.17	9146.14	1811.22	-103.50	9576.51	242.78	39.56	PASS
6913.00†	6687.79	-432.03	1486.45	6618.79	6687.79	9146.14	1811.22	-103.66	9583.67	246.02	39.06	PASS
7013.00†	6783.42	-440.20	1514.54	6714.42	6783.42	9146.14	1811.22	-103.83	9590.93	249.26	38.58	PASS
7113.00†	6879.04	-448.36	1542.64	6810.04	6879.04	9146.14	1811.22	-103.99	9598.26	252.50	38.12	PASS
7213.00†	6974.67	-456.53	1570.73	6905.67	6974.67	9146.14	1811.22	-104.15	9605.68	255.74	37.66	PASS
7263.34	7022.81	-460.64	1584.88	6953.81	7022.81	9146.14	1811.22	-104.23	9609.44	257.37	37.44	PASS
7313.00†	7070.40	-462.55	1598.87	7001.40	7070.40	9146.14	1811.22	-87.83	9611.03	258.98	37.21	PASS
7413.00†	7165.80	-453.35	1626.94	7096.80	7165.80	9146.14	1811.22	-57.71	9601.26	262.39	36.69	PASS
7513.00†	7258.21	-427.03	1654.17	7189.21	7258.21	9146.14	1811.22	-39.43	9574.46	265.99	36.09	PASS
7613.00†	7344.83	-384.38	1679.75	7275.83	7344.83	9146.14	1811.22	-29.49	9531.42	269.31	35.48	PASS
7713.00†	7423.00	-326.69	1702.88	7354.00	7423.00	9146.14	1811.22	-23.79	9473.45	272.20	34.89	PASS
7813.00†	7490.38	-255.72	1722.86	7421.38	7490.38	9146.14	1811.22	-20.31	9402.28	274.60	34.33	PASS
7913.00†	7544.89	-173.63	1739.09	7475.89	7544.89	9146.14	1811.22	-18.11	9320.05	276.48	33.79	PASS
8013.00†	7584.90	-82.91	1751.08	7515.90	7584.90	9146.14	1811.22	-16.68	9229.24	277.81	33.30	PASS
8113.00†	7609.18	13.69	1758.46	7540.18	7609.18	9146.14	1811.22	-15.53	9132.60	278.59	32.86	PASS
8209.78	7617.00	110.00	1761.00	7548.00	7617.00	9146.14	1811.22	90.00	9036.28	278.83	32.49	PASS
8213.00†	7617.00	113.22	1761.01	7548.00	7617.00	9146.14	1811.22	90.00	9033.06	278.83	32.48	PASS
8313.00†	7617.00	213.22	1761.26	7548.00	7617.00	9146.14	1811.22	90.00	8933.06	278.83	32.12	PASS
8413.00†	7617.00	313.22	1761.51	7548.00	7617.00	9146.14	1811.22	90.00	8833.06	278.82	31.76	PASS
8513.00†	7617.00	413.22	1761.75	7548.00	7617.00	9146.14	1811.22	90.00	8733.06	278.82	31.40	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 7 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: PUTNAM 41-18 AWB Offset Wellpath: PUTNAM 41-18 AWP

Facility: SEC.18-T01S-R65W		Slot: SLOT#01 EX PUTNAM 41-18 (990'FNL & 990'FEL, SEC.18, SI,8092')				Well: PUTNAM 41-18		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
8613.00†	7617.00	513.22	1762.00	7548.00	7617.00	9146.14	1811.22	90.00	8633.06	278.82	31.04	PASS
8713.00†	7617.00	613.22	1762.25	7548.00	7617.00	9146.14	1811.22	90.00	8533.06	278.82	30.68	PASS
8813.00†	7617.00	713.22	1762.50	7548.00	7617.00	9146.14	1811.22	90.00	8433.06	278.81	30.32	PASS
8913.00†	7617.00	813.22	1762.75	7548.00	7617.00	9146.14	1811.22	90.00	8333.06	278.81	29.96	PASS
9013.00†	7617.00	913.22	1763.00	7548.00	7617.00	9146.14	1811.22	90.00	8233.06	278.81	29.60	PASS
9113.00†	7617.00	1013.22	1763.25	7548.00	7617.00	9146.14	1811.22	90.00	8133.06	278.81	29.24	PASS
9213.00†	7617.00	1113.22	1763.50	7548.00	7617.00	9146.14	1811.22	90.00	8033.06	278.81	28.88	PASS
9313.00†	7617.00	1213.22	1763.75	7548.00	7617.00	9146.14	1811.22	90.00	7933.06	278.81	28.52	PASS
9413.00†	7617.00	1313.22	1763.99	7548.00	7617.00	9146.14	1811.22	90.00	7833.06	278.82	28.16	PASS
9513.00†	7617.00	1413.22	1764.24	7548.00	7617.00	9146.14	1811.22	90.00	7733.06	278.82	27.80	PASS
9613.00†	7617.00	1513.22	1764.49	7548.00	7617.00	9146.14	1811.22	90.00	7633.06	278.82	27.44	PASS
9713.00†	7617.00	1613.22	1764.74	7548.00	7617.00	9146.14	1811.22	90.00	7533.07	278.82	27.08	PASS
9813.00†	7617.00	1713.22	1764.99	7548.00	7617.00	9146.14	1811.22	90.00	7433.07	278.83	26.72	PASS
9913.00†	7617.00	1813.22	1765.24	7548.00	7617.00	9146.14	1811.22	90.00	7333.07	278.83	26.36	PASS
10013.00†	7617.00	1913.21	1765.49	7548.00	7617.00	9146.14	1811.22	90.00	7233.07	278.84	26.00	PASS
10113.00†	7617.00	2013.21	1765.74	7548.00	7617.00	9146.14	1811.22	90.00	7133.07	278.84	25.64	PASS
10213.00†	7617.00	2113.21	1765.99	7548.00	7617.00	9146.14	1811.22	90.00	7033.07	278.85	25.28	PASS
10313.00†	7617.00	2213.21	1766.23	7548.00	7617.00	9146.14	1811.22	90.00	6933.07	278.85	24.92	PASS
10413.00†	7617.00	2313.21	1766.48	7548.00	7617.00	9146.14	1811.22	90.00	6833.07	278.86	24.56	PASS
10513.00†	7617.00	2413.21	1766.73	7548.00	7617.00	9146.14	1811.22	90.00	6733.07	278.87	24.20	PASS
10613.00†	7617.00	2513.21	1766.98	7548.00	7617.00	9146.14	1811.22	90.00	6633.07	278.87	23.84	PASS
10713.00†	7617.00	2613.21	1767.23	7548.00	7617.00	9146.14	1811.22	90.00	6533.07	278.88	23.48	PASS
10813.00†	7617.00	2713.21	1767.48	7548.00	7617.00	9146.14	1811.22	90.00	6433.07	278.89	23.12	PASS
10913.00†	7617.00	2813.21	1767.73	7548.00	7617.00	9146.14	1811.22	90.00	6333.07	278.90	22.76	PASS
11013.00†	7617.00	2913.21	1767.98	7548.00	7617.00	9146.14	1811.22	90.00	6233.08	278.91	22.40	PASS
11113.00†	7617.00	3013.21	1768.23	7548.00	7617.00	9146.14	1811.22	90.00	6133.08	278.92	22.04	PASS
11213.00†	7617.00	3113.21	1768.47	7548.00	7617.00	9146.14	1811.22	90.00	6033.08	278.93	21.68	PASS
11313.00†	7617.00	3213.21	1768.72	7548.00	7617.00	9146.14	1811.22	90.00	5933.08	278.94	21.32	PASS
11413.00†	7617.00	3313.21	1768.97	7548.00	7617.00	9146.14	1811.22	90.00	5833.08	278.95	20.96	PASS
11513.00†	7617.00	3413.21	1769.22	7548.00	7617.00	9146.14	1811.22	90.00	5733.08	278.96	20.60	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 8 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: PUTNAM 41-18 AWB Offset Wellpath: PUTNAM 41-18 AWP

Facility: SEC.18-T01S-R65W		Slot: SLOT#01 EX PUTNAM 41-18 (990'FNL & 990'FEL, SEC.18, SI,8092')				Well: PUTNAM 41-18		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
11613.00†	7617.00	3513.21	1769.47	7548.00	7617.00	9146.14	1811.22	90.00	5633.08	278.97	20.24	PASS
11713.00†	7617.00	3613.21	1769.72	7548.00	7617.00	9146.14	1811.22	90.00	5533.08	278.98	19.88	PASS
11813.00†	7617.00	3713.21	1769.97	7548.00	7617.00	9146.14	1811.22	90.00	5433.08	278.99	19.52	PASS
11913.00†	7617.00	3813.21	1770.22	7548.00	7617.00	9146.14	1811.22	90.00	5333.09	279.00	19.16	PASS
12013.00†	7617.00	3913.21	1770.47	7548.00	7617.00	9146.14	1811.22	90.00	5233.09	279.01	18.80	PASS
12113.00†	7617.00	4013.21	1770.71	7548.00	7617.00	9146.14	1811.22	90.00	5133.09	279.02	18.44	PASS
12213.00†	7617.00	4113.21	1770.96	7548.00	7617.00	9146.14	1811.22	90.00	5033.09	279.03	18.08	PASS
12313.00†	7617.00	4213.21	1771.21	7548.00	7617.00	9146.14	1811.22	90.00	4933.09	279.04	17.72	PASS
12413.00†	7617.00	4313.21	1771.46	7548.00	7617.00	9146.14	1811.22	90.00	4833.09	279.05	17.36	PASS
12513.00†	7617.00	4413.21	1771.71	7548.00	7617.00	9146.14	1811.22	90.00	4733.10	279.06	17.00	PASS
12613.00†	7617.00	4513.21	1771.96	7548.00	7617.00	9146.14	1811.22	90.00	4633.10	279.07	16.64	PASS
12713.00†	7617.00	4613.21	1772.21	7548.00	7617.00	9146.14	1811.22	90.00	4533.10	279.08	16.28	PASS
12813.00†	7617.00	4713.21	1772.46	7548.00	7617.00	9146.14	1811.22	90.00	4433.10	279.09	15.92	PASS
12913.00†	7617.00	4813.21	1772.71	7548.00	7617.00	9146.14	1811.22	90.00	4333.10	279.10	15.56	PASS
13013.00†	7617.00	4913.21	1772.95	7548.00	7617.00	9146.14	1811.22	90.00	4233.10	279.11	15.20	PASS
13113.00†	7617.00	5013.21	1773.20	7548.00	7617.00	9146.14	1811.22	90.00	4133.11	279.12	14.84	PASS
13213.00†	7617.00	5113.20	1773.45	7548.00	7617.00	9146.14	1811.22	90.00	4033.11	279.13	14.48	PASS
13313.00†	7617.00	5213.20	1773.70	7548.00	7617.00	9146.14	1811.22	90.00	3933.11	279.13	14.12	PASS
13413.00†	7617.00	5313.20	1773.95	7548.00	7617.00	9146.14	1811.22	90.00	3833.11	279.14	13.76	PASS
13513.00†	7617.00	5413.20	1774.20	7548.00	7617.00	9146.14	1811.22	90.00	3733.12	279.14	13.41	PASS
13613.00†	7617.00	5513.20	1774.45	7548.00	7617.00	9146.14	1811.22	90.00	3633.12	279.15	13.05	PASS
13713.00†	7617.00	5613.20	1774.70	7548.00	7617.00	9146.14	1811.22	90.00	3533.12	279.15	12.69	PASS
13813.00†	7617.00	5713.20	1774.95	7548.00	7617.00	9146.14	1811.22	90.00	3433.13	279.15	12.33	PASS
13913.00†	7617.00	5813.20	1775.19	7548.00	7617.00	9146.14	1811.22	90.00	3333.13	279.15	11.97	PASS
14013.00†	7617.00	5913.20	1775.44	7548.00	7617.00	9146.14	1811.22	90.00	3233.13	279.14	11.61	PASS
14113.00†	7617.00	6013.20	1775.69	7548.00	7617.00	9146.14	1811.22	90.00	3133.14	279.14	11.25	PASS
14213.00†	7617.00	6113.20	1775.94	7548.00	7617.00	9146.14	1811.22	90.00	3033.14	279.13	10.89	PASS
14313.00†	7617.00	6213.20	1776.19	7548.00	7617.00	9146.14	1811.22	90.00	2933.15	279.12	10.53	PASS
14413.00†	7617.00	6313.20	1776.44	7548.00	7617.00	9146.14	1811.22	90.00	2833.15	279.10	10.17	PASS
14513.00†	7617.00	6413.20	1776.69	7548.00	7617.00	9146.14	1811.22	90.00	2733.15	279.08	9.82	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 9 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: PUTNAM 41-18 AWB Offset Wellpath: PUTNAM 41-18 AWP

Facility: SEC.18-T01S-R65W Slot: SLOT#01 EX PUTNAM 41-18 (990'FNL & 990'FEL, SEC.18, SI,8092') Well: PUTNAM 41-18 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	
14613.00†	7617.00	6513.20	1776.94	7548.00	7617.00	9146.14	1811.22	90.00	2633.16	279.06	9.46	PASS	
14713.00†	7617.00	6613.20	1777.19	7548.00	7617.00	9146.14	1811.22	90.00	2533.17	279.03	9.10	PASS	
14813.00†	7617.00	6713.20	1777.43	7548.00	7617.00	9146.14	1811.22	90.00	2433.17	279.00	8.74	PASS	
14913.00†	7617.00	6813.20	1777.68	7548.00	7617.00	9146.14	1811.22	90.00	2333.18	278.96	8.38	PASS	
15013.00†	7617.00	6913.20	1777.93	7548.00	7617.00	9146.14	1811.22	90.00	2233.19	278.92	8.02	PASS	
15113.00†	7617.00	7013.20	1778.18	7548.00	7617.00	9146.14	1811.22	90.00	2133.19	278.86	7.67	PASS	
15213.00†	7617.00	7113.20	1778.43	7548.00	7617.00	9146.14	1811.22	90.00	2033.20	278.80	7.31	PASS	
15313.00†	7617.00	7213.20	1778.68	7548.00	7617.00	9146.14	1811.22	90.00	1933.21	278.72	6.95	PASS	
15413.00†	7617.00	7313.20	1778.93	7548.00	7617.00	9146.14	1811.22	90.00	1833.22	278.64	6.59	PASS	
15513.00†	7617.00	7413.20	1779.18	7548.00	7617.00	9146.14	1811.22	90.00	1733.24	278.53	6.24	PASS	
15613.00†	7617.00	7513.20	1779.43	7548.00	7617.00	9146.14	1811.22	90.00	1633.25	278.41	5.88	PASS	
15713.00†	7617.00	7613.20	1779.67	7548.00	7617.00	9146.14	1811.22	90.00	1533.26	278.27	5.52	PASS	
15813.00†	7617.00	7713.20	1779.92	7548.00	7617.00	9146.14	1811.22	90.00	1433.28	278.10	5.16	PASS	
15913.00†	7617.00	7813.20	1780.17	7548.00	7617.00	9146.14	1811.22	90.00	1333.30	277.90	4.81	PASS	
16013.00†	7617.00	7913.20	1780.42	7548.00	7617.00	9146.14	1811.22	90.00	1233.33	277.66	4.45	PASS	
16113.00†	7617.00	8013.20	1780.67	7548.00	7617.00	9146.14	1811.22	90.00	1133.35	277.38	4.09	PASS	
16213.00†	7617.00	8113.20	1780.92	7548.00	7617.00	9146.14	1811.22	90.00	1033.39	277.02	3.74	PASS	
16313.00†	7617.00	8213.20	1781.17	7548.00	7617.00	9146.14	1811.22	90.00	933.43	276.59	3.38	PASS	
16413.00†	7617.00	8313.19	1781.42	7548.00	7617.00	9146.14	1811.22	90.00	833.48	276.05	3.02	PASS	
16513.00†	7617.00	8413.19	1781.67	7548.00	7617.00	9146.14	1811.22	90.00	733.54	275.36	2.67	PASS	
16613.00†	7617.00	8513.19	1781.91	7548.00	7617.00	9146.14	1811.22	90.00	633.62	274.45	2.31	PASS	
16713.00†	7617.00	8613.19	1782.16	7548.00	7617.00	9146.14	1811.22	90.00	533.73	273.23	1.96	PASS	
16813.00†	7617.00	8713.19	1782.41	7548.00	7617.00	9146.14	1811.22	90.00	433.90	271.52	1.60	PASS	
16913.00†	7617.00	8813.19	1782.66	7548.00	7617.00	9146.14	1811.22	90.00	334.17	269.04	1.24	PASS	
17013.00†	7617.00	8913.19	1782.91	7548.00	7617.00	9146.14	1811.22	90.00	234.66	265.41	0.88	FAIL	
17113.00†	7617.00	9013.19	1783.16	7548.00	7617.00	9146.14	1811.22	90.00	135.87	263.28	0.51	FAIL	
17213.00†	7617.00	9113.19	1783.41	7548.00	7617.00	9146.14	1811.22	90.00	43.11	360.03	0.12	FAIL	
17246.03†	7617.00	9146.22	1783.49	7548.02	7617.02	9146.14	1811.22	90.04	27.73	498.29	0.05	FAIL	
17247.82†	7617.00	9148.01	1783.49	7548.00	7617.00	9146.14	1811.22	90.00	27.79	501.03	0.05	FAIL	
17313.00†	7617.00	9213.19	1783.66	7548.00	7617.00	9146.14	1811.22	90.00	72.50	372.84	0.19	FAIL	

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 10 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: PUTNAM 41-18 AWB Offset Wellpath: PUTNAM 41-18 AWP

Facility: SEC.18-T01S-R65W		Slot: SLOT#01 EX PUTNAM 41-18 (990'FNL & 990'FEL, SEC.18, SI,8092')				Well: PUTNAM 41-18		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
17413.00†	7617.00	9313.19	1783.91	7548.00	7617.00	9146.14	1811.22	90.00	169.27	318.72	0.53	FAIL
17513.00†	7617.00	9413.19	1784.15	7548.00	7617.00	9146.14	1811.22	90.00	268.42	304.59	0.88	FAIL
17613.00†	7617.00	9513.19	1784.40	7548.00	7617.00	9146.14	1811.22	90.00	368.03	298.37	1.23	PASS
17713.00†	7617.00	9613.19	1784.65	7548.00	7617.00	9146.14	1811.22	90.00	467.81	294.93	1.59	PASS
17813.00†	7617.00	9713.19	1784.90	7548.00	7617.00	9146.14	1811.22	90.00	567.66	292.77	1.94	PASS
17913.00†	7617.00	9813.19	1785.15	7548.00	7617.00	9146.14	1811.22	90.00	667.56	291.30	2.29	PASS
18007.75	7617.00	9907.94	1785.39	7548.00	7617.00	9146.14	1811.22	90.00	762.24	289.58	2.63	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: PUTNAM 41-18 AWB Offset Wellpath: PUTNAM 41-18 AWP

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

WELLPATH COMPOSITION - Offset Wellbore: PUTNAM 41-18 AWB Offset Wellpath: PUTNAM 41-18 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	8092.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL <8092>	PUTNAM 41-18 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: PUTNAM 41-18 AWB Offset Wellpath: PUTNAM 41-18 AWP

MD Reference: Rig on SLOT#01 EX PUTNAM 41-18 (990'FNL & 990'FEL, SEC.18, SI,8092') (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 11 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-3NBH PWB Offset Wellpath: CONNER 19-18-3NBH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#12 CONNER 19-18-3NBH (350'FSL & 1960'FWL, SEC.19) Well: CONNER 19-18-3NBH 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
13.00	13.00	0.00	0.00	13.00	13.00	0.00	-14.02	-90.00	14.02	1.40	22.03	PASS
113.00†	113.00	0.00	0.00	113.00	113.00	0.00	-14.02	-90.00	14.02	1.88	12.23	PASS
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-14.02	-90.00	14.02	2.67	7.07	PASS
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-14.02	-90.00	14.02	3.50	4.90	PASS
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-14.02	-90.00	14.02	4.34	3.74	PASS
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-14.02	-90.00	14.02	5.18	3.02	PASS
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-14.02	-90.00	14.02	6.03	2.53	PASS
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-14.02	-90.00	14.02	6.37	2.35	PASS
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	-14.02	-90.00	14.02	6.49	2.30	PASS
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	-14.02	-90.00	14.02	6.81	2.18	PASS
1013.00†	1013.00	0.00	0.00	1013.00	1013.00	0.00	-14.02	-90.00	14.02	7.29	2.02	PASS
1113.00†	1113.00	0.00	0.00	1113.00	1113.00	0.00	-14.02	-90.00	14.02	7.88	1.86	PASS
1200.00	1200.00	0.00	0.00	1200.00	1200.00	0.00	-14.02	-90.00	14.02	8.48	1.71	PASS
1213.00†	1213.00	-0.01	0.03	1213.00	1213.00	0.00	-14.02	163.83	14.05	8.57	1.70	PASS
1313.00†	1312.97	-0.62	2.14	1313.04	1313.04	-0.01	-13.99	165.96	16.14	9.41	1.77	PASS
1413.00†	1412.80	-2.21	7.60	1413.58	1413.55	-0.77	-11.90	168.01	19.57	10.58	1.91	PASS
1513.00†	1512.38	-4.77	16.40	1514.24	1514.04	-2.75	-6.50	168.86	23.05	11.94	1.99	PASS
1613.00†	1611.57	-8.29	28.54	1615.02	1614.39	-5.93	2.23	168.98	26.56	13.24	2.06	PASS
1713.00†	1710.26	-12.79	43.99	1715.92	1714.46	-10.34	14.29	168.61	30.09	14.48	2.13	PASS
1813.00†	1808.33	-18.23	62.74	1816.94	1814.14	-15.95	29.67	167.92	33.65	15.70	2.20	PASS
1913.00†	1905.66	-24.64	84.76	1918.08	1913.29	-22.78	48.37	166.99	37.23	16.90	2.26	PASS
2013.00†	2002.13	-31.98	110.04	2019.33	2011.79	-30.81	70.37	165.90	40.84	18.08	2.31	PASS
2050.60	2038.16	-34.99	120.37	2057.14	2048.38	-34.09	79.36	165.48	42.28	18.48	2.34	PASS
2113.00†	2097.83	-40.08	137.90	2119.48	2108.66	-39.53	94.26	164.97	44.98	19.09	2.41	PASS
2213.00†	2193.45	-48.25	166.00	2219.39	2205.28	-48.25	118.13	164.26	49.30	20.10	2.51	PASS
2313.00†	2289.08	-56.41	194.09	2319.29	2301.90	-56.97	142.01	163.67	53.64	21.14	2.59	PASS
2413.00†	2384.70	-64.58	222.19	2419.19	2398.51	-65.69	165.89	163.16	57.98	22.23	2.66	PASS
2513.00†	2480.32	-72.74	250.28	2519.10	2495.13	-74.41	189.77	162.73	62.32	23.36	2.72	PASS
2613.00†	2575.95	-80.91	278.38	2619.00	2591.75	-83.13	213.65	162.35	66.66	24.52	2.77	PASS
2713.00†	2671.57	-89.08	306.47	2718.91	2688.36	-91.85	237.53	162.02	71.01	25.71	2.81	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 12 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-3NBH PWB Offset Wellpath: CONNER 19-18-3NBH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#12 CONNER 19-18-3NBH (350'FSL & 1960'FWL, SEC.19) Well: CONNER 19-18-3NBH 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
2813.00†	2767.20	-97.24	334.57	2818.81	2784.98	-100.56	261.41	161.73	75.36	26.92	2.85	PASS
2913.00†	2862.82	-105.41	362.66	2918.72	2881.59	-109.28	285.29	161.46	79.71	28.15	2.88	PASS
3013.00†	2958.45	-113.57	390.76	3018.62	2978.21	-118.00	309.17	161.23	84.07	29.40	2.91	PASS
3113.00†	3054.07	-121.74	418.85	3118.53	3074.83	-126.72	333.04	161.02	88.42	30.66	2.93	PASS
3213.00†	3149.69	-129.90	446.94	3218.43	3171.44	-135.44	356.92	160.83	92.78	31.94	2.95	PASS
3313.00†	3245.32	-138.07	475.04	3318.34	3268.06	-144.16	380.80	160.65	97.13	33.23	2.96	PASS
3413.00†	3340.94	-146.23	503.13	3418.24	3364.68	-152.88	404.68	160.50	101.49	34.53	2.98	PASS
3513.00†	3436.57	-154.40	531.23	3518.15	3461.29	-161.59	428.56	160.35	105.85	35.84	2.99	PASS
3613.00†	3532.19	-162.57	559.32	3618.05	3557.91	-170.31	452.44	160.21	110.21	37.16	3.00	PASS
3713.00†	3627.82	-170.73	587.42	3717.96	3654.53	-179.03	476.32	160.09	114.57	38.49	3.01	PASS
3813.00†	3723.44	-178.90	615.51	3817.86	3751.14	-187.75	500.20	159.98	118.93	39.82	3.02	PASS
3913.00†	3819.06	-187.06	643.61	3917.76	3847.76	-196.47	524.07	159.87	123.29	41.16	3.03	PASS
4013.00†	3914.69	-195.23	671.70	4017.67	3944.37	-205.19	547.95	159.77	127.65	42.51	3.04	PASS
4113.00†	4010.31	-203.39	699.80	4117.57	4040.99	-213.91	571.83	159.68	132.01	43.86	3.04	PASS
4213.00†	4105.94	-211.56	727.89	4217.48	4137.61	-222.62	595.71	159.59	136.37	45.21	3.05	PASS
4313.00†	4201.56	-219.73	755.99	4317.38	4234.22	-231.34	619.59	159.51	140.73	46.57	3.05	PASS
4413.00†	4297.19	-227.89	784.08	4417.29	4330.84	-240.06	643.47	159.43	145.10	47.94	3.06	PASS
4513.00†	4392.81	-236.06	812.18	4517.19	4427.46	-248.78	667.35	159.36	149.46	49.30	3.06	PASS
4613.00†	4488.43	-244.22	840.27	4617.10	4524.07	-257.50	691.23	159.29	153.82	50.67	3.06	PASS
4713.00†	4584.06	-252.39	868.37	4717.00	4620.69	-266.22	715.11	159.23	158.18	52.05	3.07	PASS
4813.00†	4679.68	-260.55	896.46	4816.91	4717.31	-274.94	738.98	159.16	162.55	53.42	3.07	PASS
4913.00†	4775.31	-268.72	924.56	4916.81	4813.92	-283.66	762.86	159.11	166.91	54.80	3.07	PASS
5013.00†	4870.93	-276.89	952.65	5016.72	4910.54	-292.37	786.74	159.05	171.27	56.18	3.07	PASS
5113.00†	4966.56	-285.05	980.74	5116.62	5007.15	-301.09	810.62	159.00	175.64	57.57	3.08	PASS
5213.00†	5062.18	-293.22	1008.84	5216.52	5103.77	-309.81	834.50	158.95	180.00	58.95	3.08	PASS
5313.00†	5157.80	-301.38	1036.93	5316.43	5200.39	-318.53	858.38	158.90	184.36	60.34	3.08	PASS
5413.00†	5253.43	-309.55	1065.03	5416.33	5297.00	-327.25	882.26	158.86	188.73	61.73	3.08	PASS
5513.00†	5349.05	-317.71	1093.12	5516.24	5393.62	-335.97	906.14	158.81	193.09	63.12	3.08	PASS
5613.00†	5444.68	-325.88	1121.22	5616.14	5490.24	-344.69	930.02	158.77	197.45	64.51	3.08	PASS
5713.00†	5540.30	-334.04	1149.31	5716.05	5586.85	-353.40	953.89	158.73	201.82	65.91	3.08	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 13 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-3NBH PWB Offset Wellpath: CONNER 19-18-3NBH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#12 CONNER 19-18-3NBH (350'FSL & 1960'FWL, SEC.19)						Well: CONNER 19-18-3NBH		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
5813.00†	5635.93	-342.21	1177.41	5815.95	5683.47	-362.12	977.77	158.70	206.18	67.30	3.09	PASS
5913.00†	5731.55	-350.38	1205.50	5915.86	5780.09	-370.84	1001.65	158.66	210.55	68.70	3.09	PASS
6013.00†	5827.17	-358.54	1233.60	6015.76	5876.70	-379.56	1025.53	158.63	214.91	70.10	3.09	PASS
6113.00†	5922.80	-366.71	1261.69	6115.67	5973.32	-388.28	1049.41	158.59	219.27	71.50	3.09	PASS
6213.00†	6018.42	-374.87	1289.79	6215.57	6069.93	-397.00	1073.29	158.56	223.64	72.90	3.09	PASS
6313.00†	6114.05	-383.04	1317.88	6315.48	6166.55	-405.72	1097.17	158.53	228.00	74.30	3.09	PASS
6413.00†	6209.67	-391.20	1345.98	6415.38	6263.17	-414.43	1121.05	158.50	232.37	75.70	3.09	PASS
6513.00†	6305.30	-399.37	1374.07	6515.29	6359.78	-423.15	1144.92	158.47	236.73	77.10	3.09	PASS
6613.00†	6400.92	-407.54	1402.17	6615.19	6456.40	-431.87	1168.80	158.44	241.10	78.51	3.09	PASS
6713.00†	6496.54	-415.70	1430.26	6715.09	6553.02	-440.59	1192.68	158.42	245.46	79.91	3.09	PASS
6813.00†	6592.17	-423.87	1458.35	6815.00	6649.63	-449.31	1216.56	158.39	249.83	81.32	3.09	PASS
6913.00†	6687.79	-432.03	1486.45	6914.90	6746.25	-458.03	1240.44	158.37	254.19	82.72	3.09	PASS
7013.00†	6783.42	-440.20	1514.54	7018.00	6846.16	-462.01	1265.15	159.45	258.09	83.30	3.12	PASS
7113.00†	6879.04	-448.36	1542.64	7117.82	6942.09	-448.89	1288.91	164.16	261.44	81.40	3.23	PASS
7213.00†	6974.67	-456.53	1570.73	7207.98	7025.65	-422.45	1309.66	171.35	268.18	78.98	3.42	PASS
7263.34	7022.81	-460.64	1584.88	7248.86	7061.99	-406.08	1318.69	175.37	274.53	78.20	3.53	PASS
7313.00†	7070.40	-462.55	1598.87	7287.11	7094.89	-388.38	1326.87	-163.51	282.99	77.95	3.65	PASS
7413.00†	7165.80	-453.35	1626.94	7361.37	7155.14	-347.74	1341.89	-124.83	304.17	78.29	3.91	PASS
7513.00†	7258.21	-427.03	1654.17	7432.74	7207.78	-301.44	1355.03	-99.38	328.34	78.69	4.20	PASS
7613.00†	7344.83	-384.38	1679.75	7501.93	7253.08	-250.45	1366.37	-83.65	352.92	78.18	4.55	PASS
7713.00†	7423.00	-326.69	1702.88	7569.48	7291.25	-195.59	1375.96	-73.41	376.06	76.70	4.94	PASS
7813.00†	7490.38	-255.72	1722.86	7635.80	7322.37	-137.60	1383.81	-66.49	396.40	74.63	5.35	PASS
7913.00†	7544.89	-173.63	1739.09	7701.21	7346.49	-77.14	1389.94	-61.80	413.02	72.41	5.75	PASS
8013.00†	7584.90	-82.91	1751.08	7766.00	7363.63	-14.86	1394.34	-58.77	425.27	70.50	6.08	PASS
8113.00†	7609.18	13.69	1758.46	7830.37	7373.80	48.62	1397.03	-57.07	432.73	69.28	6.30	PASS
8209.78	7617.00	110.00	1761.00	7892.84	7377.00	110.96	1397.98	-56.53	435.18	68.95	6.37	PASS
8213.00†	7617.00	113.22	1761.01	7896.06	7377.00	114.18	1397.99	-56.53	435.18	68.97	6.36	PASS
8313.00†	7617.00	213.22	1761.26	7996.06	7377.00	214.18	1398.26	-56.53	435.17	69.56	6.31	PASS
8413.00†	7617.00	313.22	1761.51	8096.06	7377.00	314.18	1398.52	-56.53	435.16	70.65	6.21	PASS
8513.00†	7617.00	413.22	1761.75	8196.06	7377.00	414.18	1398.78	-56.53	435.14	72.15	6.08	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 14 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-3NBH PWB Offset Wellpath: CONNER 19-18-3NBH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#12 CONNER 19-18-3NBH (350'FSL & 1960'FWL, SEC.19) Well: CONNER 19-18-3NBH 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
8613.00†	7617.00	513.22	1762.00	8296.06	7377.00	514.18	1399.05	-56.53	435.13	74.03	5.93	PASS
8713.00†	7617.00	613.22	1762.25	8396.06	7377.00	614.18	1399.31	-56.53	435.12	76.66	5.72	PASS
8813.00†	7617.00	713.22	1762.50	8496.06	7377.00	714.18	1399.58	-56.52	435.10	78.79	5.56	PASS
8913.00†	7617.00	813.22	1762.75	8596.06	7377.00	814.18	1399.84	-56.52	435.09	81.62	5.37	PASS
9013.00†	7617.00	913.22	1763.00	8696.06	7377.00	914.18	1400.10	-56.52	435.08	84.71	5.17	PASS
9113.00†	7617.00	1013.22	1763.25	8796.06	7377.00	1014.18	1400.37	-56.52	435.07	88.03	4.97	PASS
9213.00†	7617.00	1113.22	1763.50	8896.06	7377.00	1114.18	1400.63	-56.52	435.05	91.56	4.78	PASS
9313.00†	7617.00	1213.22	1763.75	8996.06	7377.00	1214.17	1400.90	-56.52	435.04	95.27	4.59	PASS
9413.00†	7617.00	1313.22	1763.99	9096.06	7377.00	1314.17	1401.16	-56.52	435.03	99.14	4.41	PASS
9513.00†	7617.00	1413.22	1764.24	9196.06	7377.00	1414.17	1401.42	-56.52	435.02	103.15	4.24	PASS
9613.00†	7617.00	1513.22	1764.49	9296.06	7377.00	1514.17	1401.69	-56.52	435.00	107.30	4.07	PASS
9713.00†	7617.00	1613.22	1764.74	9396.06	7377.00	1614.17	1401.95	-56.51	434.99	111.55	3.92	PASS
9813.00†	7617.00	1713.22	1764.99	9496.06	7377.00	1714.17	1402.22	-56.51	434.98	115.91	3.77	PASS
9913.00†	7617.00	1813.22	1765.24	9596.06	7377.00	1814.17	1402.48	-56.51	434.97	120.35	3.63	PASS
10013.00†	7617.00	1913.21	1765.49	9696.06	7377.00	1914.17	1402.74	-56.51	434.95	124.88	3.50	PASS
10113.00†	7617.00	2013.21	1765.74	9796.06	7377.00	2014.17	1403.01	-56.51	434.94	129.48	3.37	PASS
10213.00†	7617.00	2113.21	1765.99	9896.06	7377.00	2114.17	1403.27	-56.51	434.93	134.14	3.25	PASS
10313.00†	7617.00	2213.21	1766.23	9996.06	7377.00	2214.17	1403.53	-56.51	434.92	138.86	3.14	PASS
10413.00†	7617.00	2313.21	1766.48	10096.06	7377.00	2314.17	1403.80	-56.51	434.90	143.63	3.04	PASS
10513.00†	7617.00	2413.21	1766.73	10196.06	7377.00	2414.17	1404.06	-56.51	434.89	148.45	2.94	PASS
10613.00†	7617.00	2513.21	1766.98	10296.06	7377.00	2514.17	1404.33	-56.50	434.88	153.31	2.85	PASS
10713.00†	7617.00	2613.21	1767.23	10396.06	7377.00	2614.17	1404.59	-56.50	434.87	158.21	2.76	PASS
10813.00†	7617.00	2713.21	1767.48	10496.06	7377.00	2714.17	1404.85	-56.50	434.85	163.15	2.67	PASS
10913.00†	7617.00	2813.21	1767.73	10596.06	7377.00	2814.17	1405.12	-56.50	434.84	168.12	2.59	PASS
11013.00†	7617.00	2913.21	1767.98	10696.06	7377.00	2914.17	1405.38	-56.50	434.83	173.11	2.52	PASS
11113.00†	7617.00	3013.21	1768.23	10796.06	7377.00	3014.17	1405.65	-56.50	434.82	178.13	2.45	PASS
11213.00†	7617.00	3113.21	1768.47	10896.06	7377.00	3114.17	1405.91	-56.50	434.80	183.18	2.38	PASS
11313.00†	7617.00	3213.21	1768.72	10996.06	7377.00	3214.17	1406.17	-56.50	434.79	188.25	2.31	PASS
11413.00†	7617.00	3313.21	1768.97	11096.06	7377.00	3314.17	1406.44	-56.50	434.78	193.34	2.25	PASS
11513.00†	7617.00	3413.21	1769.22	11196.06	7377.00	3414.17	1406.70	-56.49	434.77	198.45	2.20	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 15 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-3NBH PWB Offset Wellpath: CONNER 19-18-3NBH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#12 CONNER 19-18-3NBH (350'FSL & 1960'FWL, SEC.19) Well: CONNER 19-18-3NBH 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
11613.00†	7617.00	3513.21	1769.47	11296.06	7377.00	3514.17	1406.97	-56.49	434.75	203.58	2.14	PASS
11713.00†	7617.00	3613.21	1769.72	11396.06	7377.00	3614.17	1407.23	-56.49	434.74	208.72	2.09	PASS
11813.00†	7617.00	3713.21	1769.97	11496.06	7377.00	3714.17	1407.49	-56.49	434.73	213.88	2.04	PASS
11913.00†	7617.00	3813.21	1770.22	11596.06	7377.00	3814.17	1407.76	-56.49	434.71	219.05	1.99	PASS
12013.00†	7617.00	3913.21	1770.47	11696.06	7377.00	3914.17	1408.02	-56.49	434.70	224.24	1.94	PASS
12113.00†	7617.00	4013.21	1770.71	11796.06	7377.00	4014.16	1408.29	-56.49	434.69	229.43	1.90	PASS
12213.00†	7617.00	4113.21	1770.96	11896.06	7377.00	4114.16	1408.55	-56.49	434.68	234.64	1.86	PASS
12313.00†	7617.00	4213.21	1771.21	11996.06	7377.00	4214.16	1408.81	-56.49	434.66	239.86	1.81	PASS
12413.00†	7617.00	4313.21	1771.46	12096.06	7377.00	4314.16	1409.08	-56.48	434.65	245.09	1.78	PASS
12513.00†	7617.00	4413.21	1771.71	12196.06	7377.00	4414.16	1409.34	-56.48	434.64	250.33	1.74	PASS
12613.00†	7617.00	4513.21	1771.96	12296.06	7377.00	4514.16	1409.61	-56.48	434.63	255.58	1.70	PASS
12713.00†	7617.00	4613.21	1772.21	12396.06	7377.00	4614.16	1409.87	-56.48	434.61	260.83	1.67	PASS
12813.00†	7617.00	4713.21	1772.46	12496.06	7377.00	4714.16	1410.13	-56.48	434.60	266.10	1.63	PASS
12913.00†	7617.00	4813.21	1772.71	12596.06	7377.00	4814.16	1410.40	-56.48	434.59	271.37	1.60	PASS
13013.00†	7617.00	4913.21	1772.95	12696.06	7377.00	4914.16	1410.66	-56.48	434.58	276.65	1.57	PASS
13113.00†	7617.00	5013.21	1773.20	12796.06	7377.00	5014.16	1410.93	-56.48	434.56	281.93	1.54	PASS
13213.00†	7617.00	5113.20	1773.45	12896.06	7377.00	5114.16	1411.19	-56.48	434.55	287.22	1.51	PASS
13313.00†	7617.00	5213.20	1773.70	12996.06	7377.00	5214.16	1411.45	-56.47	434.54	292.51	1.49	PASS
13413.00†	7617.00	5313.20	1773.95	13096.06	7377.00	5314.16	1411.72	-56.47	434.53	297.81	1.46	PASS
13513.00†	7617.00	5413.20	1774.20	13196.06	7377.00	5414.16	1411.98	-56.47	434.51	303.12	1.43	PASS
13613.00†	7617.00	5513.20	1774.45	13296.06	7377.00	5514.16	1412.25	-56.47	434.50	308.43	1.41	PASS
13713.00†	7617.00	5613.20	1774.70	13396.06	7377.00	5614.16	1412.51	-56.47	434.49	313.75	1.39	PASS
13813.00†	7617.00	5713.20	1774.95	13496.06	7377.00	5714.16	1412.77	-56.47	434.48	319.07	1.36	PASS
13913.00†	7617.00	5813.20	1775.19	13596.06	7377.00	5814.16	1413.04	-56.47	434.46	324.39	1.34	PASS
14013.00†	7617.00	5913.20	1775.44	13696.06	7377.00	5914.16	1413.30	-56.47	434.45	329.72	1.32	PASS
14113.00†	7617.00	6013.20	1775.69	13796.06	7377.00	6014.16	1413.57	-56.47	434.44	335.05	1.30	PASS
14213.00†	7617.00	6113.20	1775.94	13896.06	7377.00	6114.16	1413.83	-56.46	434.43	340.38	1.28	PASS
14313.00†	7617.00	6213.20	1776.19	13996.06	7377.00	6214.16	1414.09	-56.46	434.41	345.72	1.26	PASS
14413.00†	7617.00	6313.20	1776.44	14096.06	7377.00	6314.16	1414.36	-56.46	434.40	351.07	1.24	PASS
14513.00†	7617.00	6413.20	1776.69	14196.06	7377.00	6414.16	1414.62	-56.46	434.39	356.41	1.22	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 16 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-3NBH PWB Offset Wellpath: CONNER 19-18-3NBH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#12 CONNER 19-18-3NBH (350'FSL & 1960'FWL, SEC.19) Well: CONNER 19-18-3NBH 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
14613.00†	7617.00	6513.20	1776.94	14296.06	7377.00	6514.16	1414.89	-56.46	434.38	361.76	1.20	PASS
14713.00†	7617.00	6613.20	1777.19	14396.06	7377.00	6614.16	1415.15	-56.46	434.36	367.11	1.18	PASS
14813.00†	7617.00	6713.20	1777.43	14496.06	7377.00	6714.16	1415.41	-56.46	434.35	372.46	1.17	PASS
14913.00†	7617.00	6813.20	1777.68	14596.06	7377.00	6814.16	1415.68	-56.46	434.34	377.82	1.15	PASS
15013.00†	7617.00	6913.20	1777.93	14696.06	7377.00	6914.15	1415.94	-56.46	434.33	383.18	1.13	PASS
15113.00†	7617.00	7013.20	1778.18	14796.06	7377.00	7014.15	1416.21	-56.46	434.31	388.54	1.12	PASS
15213.00†	7617.00	7113.20	1778.43	14896.06	7377.00	7114.15	1416.47	-56.45	434.30	393.90	1.10	PASS
15313.00†	7617.00	7213.20	1778.68	14996.06	7377.00	7214.15	1416.73	-56.45	434.29	399.26	1.09	PASS
15413.00†	7617.00	7313.20	1778.93	15096.06	7377.00	7314.15	1417.00	-56.45	434.27	404.63	1.07	PASS
15513.00†	7617.00	7413.20	1779.18	15196.06	7377.00	7414.15	1417.26	-56.45	434.26	410.00	1.06	PASS
15613.00†	7617.00	7513.20	1779.43	15296.06	7377.00	7514.15	1417.53	-56.45	434.25	415.37	1.05	PASS
15713.00†	7617.00	7613.20	1779.67	15396.06	7377.00	7614.15	1417.79	-56.45	434.24	420.74	1.03	PASS
15813.00†	7617.00	7713.20	1779.92	15496.06	7377.00	7714.15	1418.05	-56.45	434.22	426.12	1.02	PASS
15913.00†	7617.00	7813.20	1780.17	15596.06	7377.00	7814.15	1418.32	-56.45	434.21	431.49	1.01	PASS
16013.00†	7617.00	7913.20	1780.42	15696.06	7377.00	7914.15	1418.58	-56.45	434.20	436.87	0.99	FAIL
16113.00†	7617.00	8013.20	1780.67	15796.06	7377.00	8014.15	1418.85	-56.44	434.19	442.25	0.98	FAIL
16213.00†	7617.00	8113.20	1780.92	15896.06	7377.00	8114.15	1419.11	-56.44	434.17	447.63	0.97	FAIL
16313.00†	7617.00	8213.20	1781.17	15996.06	7377.00	8214.15	1419.37	-56.44	434.16	453.01	0.96	FAIL
16413.00†	7617.00	8313.19	1781.42	16096.06	7377.00	8314.15	1419.64	-56.44	434.15	458.40	0.95	FAIL
16513.00†	7617.00	8413.19	1781.67	16196.06	7377.00	8414.15	1419.90	-56.44	434.14	463.78	0.94	FAIL
16613.00†	7617.00	8513.19	1781.91	16296.06	7377.00	8514.15	1420.17	-56.44	434.12	469.17	0.93	FAIL
16713.00†	7617.00	8613.19	1782.16	16396.06	7377.00	8614.15	1420.43	-56.44	434.11	474.55	0.91	FAIL
16813.00†	7617.00	8713.19	1782.41	16496.06	7377.00	8714.15	1420.69	-56.44	434.10	479.94	0.90	FAIL
16913.00†	7617.00	8813.19	1782.66	16596.06	7377.00	8814.15	1420.96	-56.44	434.09	485.33	0.89	FAIL
17013.00†	7617.00	8913.19	1782.91	16696.06	7377.00	8914.15	1421.22	-56.43	434.07	490.72	0.88	FAIL
17113.00†	7617.00	9013.19	1783.16	16796.06	7377.00	9014.15	1421.48	-56.43	434.06	496.11	0.87	FAIL
17213.00†	7617.00	9113.19	1783.41	16896.06	7377.00	9114.15	1421.75	-56.43	434.05	501.51	0.87	FAIL
17313.00†	7617.00	9213.19	1783.66	16996.06	7377.00	9214.15	1422.01	-56.43	434.04	506.90	0.86	FAIL
17413.00†	7617.00	9313.19	1783.91	17096.06	7377.00	9314.15	1422.28	-56.43	434.02	512.29	0.85	FAIL
17513.00†	7617.00	9413.19	1784.15	17196.06	7377.00	9414.15	1422.54	-56.43	434.01	517.69	0.84	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 17 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-3NBH PWB Offset Wellpath: CONNER 19-18-3NBH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#12 CONNER 19-18-3NBH (350'FSL & 1960'FWL, SEC.19)						Well: CONNER 19-18-3NBH		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
17613.00†	7617.00	9513.19	1784.40	17296.06	7377.00	9514.15	1422.80	-56.43	434.00	523.09	0.83	FAIL
17713.00†	7617.00	9613.19	1784.65	17396.06	7377.00	9614.15	1423.07	-56.43	433.99	528.48	0.82	FAIL
17813.00†	7617.00	9713.19	1784.90	17496.06	7377.00	9714.15	1423.33	-56.43	433.97	533.88	0.81	FAIL
17913.00†	7617.00	9813.19	1785.15	17596.06	7377.00	9814.14	1423.60	-56.42	433.96	539.28	0.80	FAIL
17999.49†	7617.00	9899.68	1785.37	17682.54	7377.00	9900.62	1423.83	-56.42	433.95	543.95	0.80	FAIL
18007.75	7617.00	9907.94	1785.39	17682.54	7377.00	9900.63	1423.83	-56.42	434.03	541.67	0.80	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: CONNER 19-18-3NBH PWB Offset Wellpath: CONNER 19-18-3NBH PWP (REV-A.0)

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: CONNER 19-18-3NBH PWB Offset Wellpath: CONNER 19-18-3NBH PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
9.625in Casing Surface	13.00	700.00	687.00	13.00	700.00	0.00	-8.55	0.00	-8.55
8.5in Open Hole	700.00	17682.54	16982.54	700.00	7377.00	0.00	-8.55	3017.71	429.71

SURVEY PROGRAM - Offset Wellbore: CONNER 19-18-3NBH PWB Offset Wellpath: CONNER 19-18-3NBH PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
13.00	700.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		CONNER 19-18-3NBH PWB
700.00	17682.54	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)		CONNER 19-18-3NBH PWB



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 18 of 103



REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: CONNER 19-18-3NBH PWB Offset Wellpath: CONNER 19-18-3NBH PWP (REV-A.0)	
MD Reference: RIG (5142'GL + 13'KB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	13.00ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 19 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-4NCH PWB Offset Wellpath: CONNER 19-18-4NCH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W		Slot: SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)				Well: CONNER 19-18-4NCH		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
13.00	13.00	0.00	0.00	13.00	13.00	0.00	30.84	90.00	30.84	1.40	50.07	PASS
113.00†	113.00	0.00	0.00	113.00	113.00	0.00	30.84	90.00	30.84	2.03	24.39	PASS
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	30.84	90.00	30.84	3.04	13.45	PASS
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	30.84	90.00	30.84	4.08	9.15	PASS
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	30.84	90.00	30.84	5.15	6.92	PASS
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	30.84	90.00	30.84	6.21	5.55	PASS
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	30.84	90.00	30.84	7.28	4.64	PASS
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	30.84	90.00	30.84	7.73	4.29	PASS
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	30.84	90.00	30.84	7.83	4.23	PASS
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	30.84	90.00	30.84	8.07	4.09	PASS
1013.00†	1013.00	0.00	0.00	1012.86	1012.86	-0.01	30.87	90.01	30.87	8.46	3.89	PASS
1113.00†	1113.00	0.00	0.00	1111.77	1111.74	-0.47	32.97	90.81	33.00	9.04	3.87	PASS
1200.00	1200.00	0.00	0.00	1197.60	1197.45	-1.46	37.50	92.23	37.61	9.82	4.05	PASS
1213.00†	1213.00	-0.01	0.03	1210.41	1210.22	-1.66	38.39	-13.74	38.49	9.94	4.09	PASS
1313.00†	1312.97	-0.62	2.14	1308.75	1308.15	-3.57	47.08	-12.41	45.29	10.94	4.36	PASS
1413.00†	1412.80	-2.21	7.60	1406.87	1405.50	-6.19	59.01	-11.69	52.08	12.13	4.50	PASS
1513.00†	1512.38	-4.77	16.40	1504.76	1502.15	-9.52	74.16	-11.35	58.85	13.30	4.62	PASS
1613.00†	1611.57	-8.29	28.54	1602.43	1598.00	-13.55	92.48	-11.28	65.58	14.43	4.73	PASS
1713.00†	1710.26	-12.79	43.99	1699.88	1692.94	-18.26	113.93	-11.41	72.26	15.55	4.82	PASS
1813.00†	1808.33	-18.23	62.74	1797.12	1786.87	-23.65	138.46	-11.68	78.89	16.65	4.90	PASS
1913.00†	1905.66	-24.64	84.76	1894.15	1879.70	-29.71	166.03	-12.05	85.46	17.76	4.97	PASS
2013.00†	2002.13	-31.98	110.04	1990.97	1971.32	-36.43	196.58	-12.51	91.97	18.86	5.03	PASS
2050.60	2038.16	-34.99	120.37	2027.32	2005.45	-39.12	208.83	-12.70	94.40	19.25	5.05	PASS
2113.00†	2097.83	-40.08	137.90	2087.54	2061.60	-43.79	230.05	-12.97	99.08	19.85	5.14	PASS
2213.00†	2193.45	-48.25	166.00	2186.61	2153.45	-51.76	266.34	-13.23	108.08	20.84	5.33	PASS
2313.00†	2289.08	-56.41	194.09	2286.20	2245.75	-59.79	302.86	-13.44	117.13	21.86	5.50	PASS
2413.00†	2384.70	-64.58	222.19	2385.79	2338.05	-67.82	339.38	-13.62	126.17	22.92	5.65	PASS
2513.00†	2480.32	-72.74	250.28	2485.38	2430.36	-75.84	375.90	-13.78	135.22	24.02	5.77	PASS
2613.00†	2575.95	-80.91	278.38	2584.97	2522.66	-83.87	412.41	-13.92	144.27	25.15	5.87	PASS
2713.00†	2671.57	-89.08	306.47	2684.56	2614.97	-91.90	448.93	-14.04	153.32	26.31	5.96	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 20 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-4NCH PWB Offset Wellpath: CONNER 19-18-4NCH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19) Well: CONNER 19-18-4NCH 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	
2813.00†	2767.20	-97.24	334.57	2784.15	2707.27	-99.92	485.45	-14.15	162.37	27.49	6.04	PASS	
2913.00†	2862.82	-105.41	362.66	2883.74	2799.57	-107.95	521.97	-14.25	171.42	28.69	6.10	PASS	
3013.00†	2958.45	-113.57	390.76	2983.33	2891.88	-115.98	558.49	-14.34	180.47	29.90	6.16	PASS	
3113.00†	3054.07	-121.74	418.85	3082.92	2984.18	-124.00	595.01	-14.42	189.53	31.14	6.21	PASS	
3213.00†	3149.69	-129.90	446.94	3182.50	3076.48	-132.03	631.52	-14.49	198.58	32.38	6.25	PASS	
3313.00†	3245.32	-138.07	475.04	3282.09	3168.79	-140.06	668.04	-14.55	207.63	33.64	6.28	PASS	
3413.00†	3340.94	-146.23	503.13	3381.68	3261.09	-148.08	704.56	-14.61	216.68	34.91	6.31	PASS	
3513.00†	3436.57	-154.40	531.23	3481.27	3353.40	-156.11	741.08	-14.67	225.74	36.19	6.34	PASS	
3613.00†	3532.19	-162.57	559.32	3580.86	3445.70	-164.14	777.60	-14.72	234.79	37.48	6.37	PASS	
3713.00†	3627.82	-170.73	587.42	3680.45	3538.00	-172.16	814.12	-14.77	243.84	38.78	6.39	PASS	
3813.00†	3723.44	-178.90	615.51	3780.04	3630.31	-180.19	850.63	-14.81	252.90	40.08	6.40	PASS	
3913.00†	3819.06	-187.06	643.61	3879.63	3722.61	-188.22	887.15	-14.85	261.95	41.39	6.42	PASS	
4013.00†	3914.69	-195.23	671.70	3979.22	3814.91	-196.24	923.67	-14.89	271.00	42.71	6.44	PASS	
4113.00†	4010.31	-203.39	699.80	4078.81	3907.22	-204.27	960.19	-14.93	280.06	44.03	6.45	PASS	
4213.00†	4105.94	-211.56	727.89	4178.40	3999.52	-212.30	996.71	-14.96	289.11	45.36	6.46	PASS	
4313.00†	4201.56	-219.73	755.99	4277.99	4091.83	-220.32	1033.22	-14.99	298.17	46.69	6.47	PASS	
4413.00†	4297.19	-227.89	784.08	4377.57	4184.13	-228.35	1069.74	-15.02	307.22	48.02	6.48	PASS	
4513.00†	4392.81	-236.06	812.18	4477.16	4276.43	-236.38	1106.26	-15.05	316.27	49.36	6.49	PASS	
4613.00†	4488.43	-244.22	840.27	4576.75	4368.74	-244.40	1142.78	-15.07	325.33	50.70	6.49	PASS	
4713.00†	4584.06	-252.39	868.37	4676.34	4461.04	-252.43	1179.30	-15.10	334.38	52.05	6.50	PASS	
4813.00†	4679.68	-260.55	896.46	4775.93	4553.34	-260.46	1215.82	-15.12	343.44	53.39	6.51	PASS	
4913.00†	4775.31	-268.72	924.56	4875.52	4645.65	-268.48	1252.33	-15.14	352.49	54.75	6.51	PASS	
5013.00†	4870.93	-276.89	952.65	4975.11	4737.95	-276.51	1288.85	-15.17	361.55	56.10	6.51	PASS	
5113.00†	4966.56	-285.05	980.74	5074.70	4830.26	-284.54	1325.37	-15.19	370.60	57.45	6.52	PASS	
5213.00†	5062.18	-293.22	1008.84	5174.29	4922.56	-292.56	1361.89	-15.21	379.66	58.81	6.52	PASS	
5313.00†	5157.80	-301.38	1036.93	5273.88	5014.86	-300.59	1398.41	-15.22	388.71	60.17	6.53	PASS	
5413.00†	5253.43	-309.55	1065.03	5373.47	5107.17	-308.62	1434.93	-15.24	397.76	61.53	6.53	PASS	
5513.00†	5349.05	-317.71	1093.12	5473.05	5199.47	-316.64	1471.44	-15.26	406.82	62.90	6.53	PASS	
5613.00†	5444.68	-325.88	1121.22	5572.64	5291.77	-324.67	1507.96	-15.27	415.87	64.26	6.53	PASS	
5713.00†	5540.30	-334.04	1149.31	5672.23	5384.08	-332.70	1544.48	-15.29	424.93	65.63	6.53	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 21 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-4NCH PWB Offset Wellpath: CONNER 19-18-4NCH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19) Well: CONNER 19-18-4NCH 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	
5813.00†	5635.93	-342.21	1177.41	5771.82	5476.38	-340.72	1581.00	-15.30	433.98	67.00	6.54	PASS	
5913.00†	5731.55	-350.38	1205.50	5871.41	5568.69	-348.75	1617.52	-15.32	443.04	68.36	6.54	PASS	
6013.00†	5827.17	-358.54	1233.60	5971.00	5660.99	-356.78	1654.03	-15.33	452.09	69.74	6.54	PASS	
6113.00†	5922.80	-366.71	1261.69	6070.59	5753.29	-364.80	1690.55	-15.34	461.15	71.11	6.54	PASS	
6213.00†	6018.42	-374.87	1289.79	6170.18	5845.60	-372.83	1727.07	-15.36	470.20	72.48	6.54	PASS	
6313.00†	6114.05	-383.04	1317.88	6269.77	5937.90	-380.86	1763.59	-15.37	479.26	73.85	6.54	PASS	
6413.00†	6209.67	-391.20	1345.98	6369.36	6030.21	-388.89	1800.11	-15.38	488.31	75.23	6.54	PASS	
6513.00†	6305.30	-399.37	1374.07	6468.95	6122.51	-396.91	1836.63	-15.39	497.37	76.61	6.54	PASS	
6613.00†	6400.92	-407.54	1402.17	6568.54	6214.81	-404.94	1873.14	-15.40	506.42	77.98	6.54	PASS	
6713.00†	6496.54	-415.70	1430.26	6668.12	6307.12	-412.97	1909.66	-15.41	515.48	79.36	6.54	PASS	
6813.00†	6592.17	-423.87	1458.35	6767.71	6399.42	-420.99	1946.18	-15.42	524.53	80.74	6.55	PASS	
6913.00†	6687.79	-432.03	1486.45	6867.30	6491.72	-429.02	1982.70	-15.43	533.59	82.12	6.55	PASS	
7013.00†	6783.42	-440.20	1514.54	6966.89	6584.03	-437.05	2019.22	-15.44	542.64	83.50	6.55	PASS	
7113.00†	6879.04	-448.36	1542.64	7066.48	6676.33	-445.07	2055.74	-15.45	551.70	84.88	6.55	PASS	
7213.00†	6974.67	-456.53	1570.73	7166.07	6768.64	-453.10	2092.25	-15.46	560.75	86.26	6.55	PASS	
7263.34	7022.81	-460.64	1584.88	7216.21	6815.10	-457.14	2110.64	-15.46	565.31	86.96	6.55	PASS	
7313.00†	7070.40	-462.55	1598.87	7265.60	6860.88	-461.12	2128.75	0.79	569.80	87.44	6.56	PASS	
7413.00†	7165.80	-453.35	1626.94	7365.67	6953.83	-462.16	2165.49	31.17	578.84	87.76	6.64	PASS	
7513.00†	7258.21	-427.03	1654.17	7467.66	7047.29	-445.43	2202.37	49.69	587.66	88.01	6.72	PASS	
7613.00†	7344.83	-384.38	1679.75	7571.64	7138.22	-410.33	2238.17	59.85	595.98	88.24	6.80	PASS	
7713.00†	7423.00	-326.69	1702.88	7677.58	7223.29	-357.03	2271.57	65.74	603.51	88.56	6.86	PASS	
7813.00†	7490.38	-255.72	1722.86	7785.41	7299.02	-286.49	2301.22	69.38	609.97	89.00	6.90	PASS	
7913.00†	7544.89	-173.63	1739.09	7894.88	7362.00	-200.58	2325.76	71.67	615.11	89.60	6.91	PASS	
8013.00†	7584.90	-82.91	1751.08	8005.67	7409.13	-102.19	2343.99	73.10	618.71	90.36	6.89	PASS	
8113.00†	7609.18	13.69	1758.46	8117.32	7437.97	4.93	2354.95	73.87	620.63	91.28	6.84	PASS	
8209.78	7617.00	110.00	1761.00	8225.41	7447.00	112.45	2358.08	74.11	620.81	92.31	6.77	PASS	
8213.00†	7617.00	113.22	1761.01	8228.64	7447.00	115.67	2358.06	74.11	620.79	92.34	6.77	PASS	
8313.00†	7617.00	213.22	1761.26	8328.63	7447.00	215.66	2357.66	74.09	620.16	93.54	6.67	PASS	
8413.00†	7617.00	313.22	1761.51	8428.63	7447.00	315.66	2357.25	74.07	619.53	95.25	6.55	PASS	
8513.00†	7617.00	413.22	1761.75	8528.63	7447.00	415.66	2356.84	74.06	618.89	97.32	6.40	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 22 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-4NCH PWB Offset Wellpath: CONNER 19-18-4NCH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19) Well: CONNER 19-18-4NCH 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
8613.00†	7617.00	513.22	1762.00	8628.63	7447.00	515.65	2356.43	74.04	618.26	99.73	6.24	PASS
8713.00†	7617.00	613.22	1762.25	8728.62	7447.00	615.65	2356.02	74.02	617.63	102.21	6.08	PASS
8813.00†	7617.00	713.22	1762.50	8828.62	7447.00	715.65	2355.61	74.01	616.99	105.46	5.88	PASS
8913.00†	7617.00	813.22	1762.75	8928.62	7447.00	815.64	2355.20	73.99	616.36	108.74	5.70	PASS
9013.00†	7617.00	913.22	1763.00	9028.62	7447.00	915.64	2354.79	73.97	615.73	112.26	5.51	PASS
9113.00†	7617.00	1013.22	1763.25	9128.62	7447.00	1015.64	2354.38	73.96	615.09	116.00	5.33	PASS
9213.00†	7617.00	1113.22	1763.50	9228.61	7447.00	1115.64	2353.97	73.94	614.46	119.93	5.15	PASS
9313.00†	7617.00	1213.22	1763.75	9328.61	7447.00	1215.63	2353.56	73.92	613.83	124.05	4.97	PASS
9413.00†	7617.00	1313.22	1763.99	9428.61	7447.00	1315.63	2353.15	73.90	613.20	128.33	4.80	PASS
9513.00†	7617.00	1413.22	1764.24	9528.61	7447.00	1415.63	2352.74	73.89	612.56	132.75	4.63	PASS
9613.00†	7617.00	1513.22	1764.49	9628.60	7447.00	1515.62	2352.33	73.87	611.93	137.31	4.47	PASS
9713.00†	7617.00	1613.22	1764.74	9728.60	7447.00	1615.62	2351.92	73.85	611.30	141.98	4.32	PASS
9813.00†	7617.00	1713.22	1764.99	9828.60	7447.00	1715.62	2351.51	73.84	610.67	146.76	4.18	PASS
9913.00†	7617.00	1813.22	1765.24	9928.60	7447.00	1815.61	2351.10	73.82	610.03	151.64	4.04	PASS
10013.00†	7617.00	1913.21	1765.49	10028.60	7447.00	1915.61	2350.69	73.80	609.40	156.61	3.90	PASS
10113.00†	7617.00	2013.21	1765.74	10128.59	7447.00	2015.61	2350.28	73.78	608.77	161.65	3.78	PASS
10213.00†	7617.00	2113.21	1765.99	10228.59	7447.00	2115.61	2349.87	73.77	608.14	166.77	3.66	PASS
10313.00†	7617.00	2213.21	1766.23	10328.59	7447.00	2215.60	2349.46	73.75	607.50	171.95	3.54	PASS
10413.00†	7617.00	2313.21	1766.48	10428.59	7447.00	2315.60	2349.05	73.73	606.87	177.20	3.43	PASS
10513.00†	7617.00	2413.21	1766.73	10528.59	7447.00	2415.60	2348.64	73.72	606.24	182.49	3.33	PASS
10613.00†	7617.00	2513.21	1766.98	10628.58	7447.00	2515.59	2348.24	73.70	605.61	187.84	3.23	PASS
10713.00†	7617.00	2613.21	1767.23	10728.58	7447.00	2615.59	2347.83	73.68	604.98	193.23	3.14	PASS
10813.00†	7617.00	2713.21	1767.48	10828.58	7447.00	2715.59	2347.42	73.66	604.34	198.67	3.05	PASS
10913.00†	7617.00	2813.21	1767.73	10928.58	7447.00	2815.58	2347.01	73.64	603.71	204.14	2.96	PASS
11013.00†	7617.00	2913.21	1767.98	11028.57	7447.00	2915.58	2346.60	73.63	603.08	209.65	2.88	PASS
11113.00†	7617.00	3013.21	1768.23	11128.57	7447.00	3015.58	2346.19	73.61	602.45	215.19	2.81	PASS
11213.00†	7617.00	3113.21	1768.47	11228.57	7447.00	3115.58	2345.78	73.59	601.82	220.76	2.73	PASS
11313.00†	7617.00	3213.21	1768.72	11328.57	7447.00	3215.57	2345.37	73.57	601.19	226.36	2.66	PASS
11413.00†	7617.00	3313.21	1768.97	11428.57	7447.00	3315.57	2344.96	73.56	600.55	231.98	2.59	PASS
11513.00†	7617.00	3413.21	1769.22	11528.56	7447.00	3415.57	2344.55	73.54	599.92	237.63	2.53	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 23 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-4NCH PWB Offset Wellpath: CONNER 19-18-4NCH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19) Well: CONNER 19-18-4NCH 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
11613.00†	7617.00	3513.21	1769.47	11628.56	7447.00	3515.56	2344.14	73.52	599.29	243.29	2.47	PASS
11713.00†	7617.00	3613.21	1769.72	11728.56	7447.00	3615.56	2343.73	73.50	598.66	248.98	2.41	PASS
11813.00†	7617.00	3713.21	1769.97	11828.56	7447.00	3715.56	2343.32	73.49	598.03	254.69	2.35	PASS
11913.00†	7617.00	3813.21	1770.22	11928.55	7447.00	3815.55	2342.91	73.47	597.40	260.42	2.30	PASS
12013.00†	7617.00	3913.21	1770.47	12028.55	7447.00	3915.55	2342.50	73.45	596.77	266.16	2.25	PASS
12113.00†	7617.00	4013.21	1770.71	12128.55	7447.00	4015.55	2342.09	73.43	596.14	271.91	2.20	PASS
12213.00†	7617.00	4113.21	1770.96	12228.55	7447.00	4115.55	2341.68	73.41	595.50	277.69	2.15	PASS
12313.00†	7617.00	4213.21	1771.21	12328.55	7447.00	4215.54	2341.27	73.39	594.87	283.47	2.10	PASS
12413.00†	7617.00	4313.21	1771.46	12428.54	7447.00	4315.54	2340.86	73.38	594.24	289.27	2.06	PASS
12513.00†	7617.00	4413.21	1771.71	12528.54	7447.00	4415.54	2340.45	73.36	593.61	295.07	2.01	PASS
12613.00†	7617.00	4513.21	1771.96	12628.54	7447.00	4515.53	2340.04	73.34	592.98	300.89	1.97	PASS
12713.00†	7617.00	4613.21	1772.21	12728.54	7447.00	4615.53	2339.63	73.32	592.35	306.72	1.93	PASS
12813.00†	7617.00	4713.21	1772.46	12828.54	7447.00	4715.53	2339.23	73.30	591.72	312.56	1.90	PASS
12913.00†	7617.00	4813.21	1772.71	12928.53	7447.00	4815.52	2338.82	73.29	591.09	318.41	1.86	PASS
13013.00†	7617.00	4913.21	1772.95	13028.53	7447.00	4915.52	2338.41	73.27	590.46	324.26	1.82	PASS
13113.00†	7617.00	5013.21	1773.20	13128.53	7447.00	5015.52	2338.00	73.25	589.83	330.13	1.79	PASS
13213.00†	7617.00	5113.20	1773.45	13228.53	7447.00	5115.52	2337.59	73.23	589.20	336.00	1.76	PASS
13313.00†	7617.00	5213.20	1773.70	13328.52	7447.00	5215.51	2337.18	73.21	588.57	341.88	1.72	PASS
13413.00†	7617.00	5313.20	1773.95	13428.52	7447.00	5315.51	2336.77	73.19	587.94	347.76	1.69	PASS
13513.00†	7617.00	5413.20	1774.20	13528.52	7447.00	5415.51	2336.36	73.17	587.31	353.65	1.66	PASS
13613.00†	7617.00	5513.20	1774.45	13628.52	7447.00	5515.50	2335.95	73.16	586.68	359.55	1.63	PASS
13713.00†	7617.00	5613.20	1774.70	13728.52	7447.00	5615.50	2335.54	73.14	586.05	365.45	1.60	PASS
13813.00†	7617.00	5713.20	1774.95	13828.51	7447.00	5715.50	2335.13	73.12	585.42	371.36	1.58	PASS
13913.00†	7617.00	5813.20	1775.19	13928.51	7447.00	5815.49	2334.72	73.10	584.79	377.27	1.55	PASS
14013.00†	7617.00	5913.20	1775.44	14028.51	7447.00	5915.49	2334.31	73.08	584.16	383.18	1.53	PASS
14113.00†	7617.00	6013.20	1775.69	14128.51	7447.00	6015.49	2333.90	73.06	583.53	389.10	1.50	PASS
14213.00†	7617.00	6113.20	1775.94	14228.51	7447.00	6115.49	2333.49	73.04	582.90	395.03	1.48	PASS
14313.00†	7617.00	6213.20	1776.19	14328.50	7447.00	6215.48	2333.08	73.02	582.27	400.96	1.45	PASS
14413.00†	7617.00	6313.20	1776.44	14428.50	7447.00	6315.48	2332.67	73.01	581.64	406.89	1.43	PASS
14513.00†	7617.00	6413.20	1776.69	14528.50	7447.00	6415.48	2332.26	72.99	581.01	412.83	1.41	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 24 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-4NCH PWB Offset Wellpath: CONNER 19-18-4NCH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19) Well: CONNER 19-18-4NCH 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
14613.00†	7617.00	6513.20	1776.94	14628.50	7447.00	6515.47	2331.85	72.97	580.38	418.76	1.39	PASS
14713.00†	7617.00	6613.20	1777.19	14728.49	7447.00	6615.47	2331.44	72.95	579.75	424.71	1.37	PASS
14813.00†	7617.00	6713.20	1777.43	14828.49	7447.00	6715.47	2331.03	72.93	579.12	430.65	1.35	PASS
14913.00†	7617.00	6813.20	1777.68	14928.49	7447.00	6815.46	2330.62	72.91	578.49	436.60	1.33	PASS
15013.00†	7617.00	6913.20	1777.93	15028.49	7447.00	6915.46	2330.22	72.89	577.86	442.55	1.31	PASS
15113.00†	7617.00	7013.20	1778.18	15128.49	7447.00	7015.46	2329.81	72.87	577.23	448.50	1.29	PASS
15213.00†	7617.00	7113.20	1778.43	15228.48	7447.00	7115.46	2329.40	72.85	576.60	454.45	1.27	PASS
15313.00†	7617.00	7213.20	1778.68	15328.48	7447.00	7215.45	2328.99	72.83	575.97	460.41	1.25	PASS
15413.00†	7617.00	7313.20	1778.93	15428.48	7447.00	7315.45	2328.58	72.81	575.34	466.37	1.23	PASS
15513.00†	7617.00	7413.20	1779.18	15528.48	7447.00	7415.45	2328.17	72.79	574.71	472.33	1.22	PASS
15613.00†	7617.00	7513.20	1779.43	15628.47	7447.00	7515.44	2327.76	72.78	574.08	478.29	1.20	PASS
15713.00†	7617.00	7613.20	1779.67	15728.47	7447.00	7615.44	2327.35	72.76	573.46	484.25	1.18	PASS
15813.00†	7617.00	7713.20	1779.92	15828.47	7447.00	7715.44	2326.94	72.74	572.83	490.21	1.17	PASS
15913.00†	7617.00	7813.20	1780.17	15928.47	7447.00	7815.43	2326.53	72.72	572.20	496.18	1.15	PASS
16013.00†	7617.00	7913.20	1780.42	16028.47	7447.00	7915.43	2326.12	72.70	571.57	502.15	1.14	PASS
16113.00†	7617.00	8013.20	1780.67	16128.46	7447.00	8015.43	2325.71	72.68	570.94	508.11	1.12	PASS
16213.00†	7617.00	8113.20	1780.92	16228.46	7447.00	8115.43	2325.30	72.66	570.31	514.08	1.11	PASS
16313.00†	7617.00	8213.20	1781.17	16328.46	7447.00	8215.42	2324.89	72.64	569.68	520.05	1.10	PASS
16413.00†	7617.00	8313.19	1781.42	16428.46	7447.00	8315.42	2324.48	72.62	569.06	526.02	1.08	PASS
16513.00†	7617.00	8413.19	1781.67	16528.46	7447.00	8415.42	2324.07	72.60	568.43	532.00	1.07	PASS
16613.00†	7617.00	8513.19	1781.91	16628.45	7447.00	8515.41	2323.66	72.58	567.80	537.97	1.06	PASS
16713.00†	7617.00	8613.19	1782.16	16728.45	7447.00	8615.41	2323.25	72.56	567.17	543.94	1.04	PASS
16813.00†	7617.00	8713.19	1782.41	16828.45	7447.00	8715.41	2322.84	72.54	566.54	549.92	1.03	PASS
16913.00†	7617.00	8813.19	1782.66	16928.45	7447.00	8815.40	2322.43	72.52	565.91	555.89	1.02	PASS
17013.00†	7617.00	8913.19	1782.91	17028.44	7447.00	8915.40	2322.02	72.50	565.29	561.86	1.01	PASS
17113.00†	7617.00	9013.19	1783.16	17128.44	7447.00	9015.40	2321.61	72.48	564.66	567.84	0.99	FAIL
17213.00†	7617.00	9113.19	1783.41	17228.44	7447.00	9115.40	2321.20	72.46	564.03	573.81	0.98	FAIL
17313.00†	7617.00	9213.19	1783.66	17328.44	7447.00	9215.39	2320.80	72.44	563.40	579.79	0.97	FAIL
17413.00†	7617.00	9313.19	1783.91	17428.44	7447.00	9315.39	2320.39	72.42	562.77	585.77	0.96	FAIL
17513.00†	7617.00	9413.19	1784.15	17528.43	7447.00	9415.39	2319.98	72.40	562.15	591.74	0.95	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 25 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-4NCH PWB Offset Wellpath: CONNER 19-18-4NCH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19) Well: CONNER 19-18-4NCH 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
17613.00†	7617.00	9513.19	1784.40	17628.43	7447.00	9515.38	2319.57	72.38	561.52	597.72	0.94	FAIL
17713.00†	7617.00	9613.19	1784.65	17728.43	7447.00	9615.38	2319.16	72.36	560.89	603.70	0.93	FAIL
17813.00†	7617.00	9713.19	1784.90	17828.43	7447.00	9715.38	2318.75	72.34	560.26	609.67	0.92	FAIL
17913.00†	7617.00	9813.19	1785.15	17928.42	7447.00	9815.37	2318.34	72.32	559.64	615.65	0.91	FAIL
18007.75†	7617.00	9907.94	1785.39	18023.17	7447.00	9910.12	2317.95	72.30	559.04	621.31	0.90	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: CONNER 19-18-4NCH PWB Offset Wellpath: CONNER 19-18-4NCH PWP (REV-A.0)

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: CONNER 19-18-4NCH PWB Offset Wellpath: CONNER 19-18-4NCH PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
9.625in Casing Surface	13.00	700.00	687.00	13.00	700.00	0.00	18.80	0.00	18.80
8.5in Open Hole	700.00	18031.05	17331.05	700.00	7447.00	0.00	18.80	3023.01	715.90

SURVEY PROGRAM - Offset Wellbore: CONNER 19-18-4NCH PWB Offset Wellpath: CONNER 19-18-4NCH PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
13.00	700.00	BHI NaviTrak (Standard)		CONNER 19-18-4NCH PWB
700.00	18031.05	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)		CONNER 19-18-4NCH PWB



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 26 of 103



REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: CONNER 19-18-4NCH PWB Offset Wellpath: CONNER 19-18-4NCH PWP (REV-A.0)	
MD Reference: RIG (5142'GL + 13'KB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	13.00ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 27 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-4NBH PWB Offset Wellpath: CONNER 19-18-4NBH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#16 CONNER 19-18-4NBH (350'FSL & 2020'FWL, SEC.19) Well: CONNER 19-18-4NBH 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
13.00	13.00	0.00	0.00	13.00	13.00	0.00	44.86	90.00	44.86	1.40	73.43	PASS
113.00†	113.00	0.00	0.00	113.00	113.00	0.00	44.86	90.00	44.86	1.88	40.75	PASS
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	44.86	90.00	44.86	2.67	23.55	PASS
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	44.86	90.00	44.86	3.50	16.33	PASS
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	44.86	90.00	44.86	4.34	12.46	PASS
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	44.86	90.00	44.86	5.18	10.06	PASS
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	44.86	90.00	44.86	6.03	8.43	PASS
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	44.86	90.00	44.86	6.37	7.80	PASS
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	44.86	90.00	44.86	6.50	7.63	PASS
913.00†	913.00	0.00	0.00	912.80	912.80	-0.01	44.89	90.01	44.89	6.81	7.24	PASS
1013.00†	1013.00	0.00	0.00	1011.24	1011.21	-0.45	46.97	90.55	47.01	7.42	6.90	PASS
1113.00†	1113.00	0.00	0.00	1109.41	1109.23	-1.60	52.34	91.75	52.51	8.42	6.71	PASS
1200.00	1200.00	0.00	0.00	1194.43	1193.92	-3.15	59.65	93.03	60.04	9.29	6.92	PASS
1213.00†	1213.00	-0.01	0.03	1207.10	1206.51	-3.43	60.95	-12.99	61.36	9.42	6.97	PASS
1313.00†	1312.97	-0.62	2.14	1304.35	1303.00	-5.94	72.72	-11.84	71.48	10.47	7.25	PASS
1413.00†	1412.80	-2.21	7.60	1401.26	1398.71	-9.12	87.64	-11.16	81.57	11.74	7.33	PASS
1513.00†	1512.38	-4.77	16.40	1497.86	1493.53	-12.96	105.65	-10.78	91.59	12.91	7.45	PASS
1613.00†	1611.57	-8.29	28.54	1594.14	1587.37	-17.45	126.71	-10.62	101.52	14.08	7.54	PASS
1713.00†	1710.26	-12.79	43.99	1690.11	1680.13	-22.57	150.75	-10.61	111.36	15.22	7.62	PASS
1813.00†	1808.33	-18.23	62.74	1785.78	1771.74	-28.32	177.73	-10.71	121.10	16.35	7.70	PASS
1913.00†	1905.66	-24.64	84.76	1881.15	1862.09	-34.69	207.59	-10.91	130.71	17.48	7.75	PASS
2013.00†	2002.13	-31.98	110.04	1976.24	1951.10	-41.66	240.26	-11.18	140.21	18.60	7.80	PASS
2050.60	2038.16	-34.99	120.37	2011.92	1984.21	-44.43	253.27	-11.29	143.74	18.99	7.82	PASS
2113.00†	2097.83	-40.08	137.90	2072.99	2040.60	-49.32	276.20	-11.50	149.95	19.59	7.91	PASS
2213.00†	2193.45	-48.25	166.00	2172.48	2132.42	-57.30	313.66	-11.78	160.03	20.58	8.02	PASS
2313.00†	2289.08	-56.41	194.09	2271.97	2224.24	-65.29	351.12	-12.04	170.11	21.62	8.10	PASS
2413.00†	2384.70	-64.58	222.19	2371.46	2316.06	-73.27	388.58	-12.27	180.20	22.70	8.16	PASS
2513.00†	2480.32	-72.74	250.28	2470.94	2407.88	-81.26	426.03	-12.47	190.29	23.81	8.21	PASS
2613.00†	2575.95	-80.91	278.38	2570.43	2499.71	-89.24	463.49	-12.65	200.38	24.95	8.24	PASS
2713.00†	2671.57	-89.08	306.47	2669.92	2591.53	-97.23	500.95	-12.82	210.47	26.11	8.26	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 28 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-4NBH PWB Offset Wellpath: CONNER 19-18-4NBH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#16 CONNER 19-18-4NBH (350'FSL & 2020'FWL, SEC.19) Well: CONNER 19-18-4NBH 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
2813.00†	2767.20	-97.24	334.57	2769.41	2683.35	-105.21	538.41	-12.97	220.56	27.30	8.27	PASS
2913.00†	2862.82	-105.41	362.66	2868.89	2775.17	-113.20	575.87	-13.10	230.65	28.51	8.27	PASS
3013.00†	2958.45	-113.57	390.76	2968.38	2866.99	-121.18	613.33	-13.23	240.75	29.74	8.27	PASS
3113.00†	3054.07	-121.74	418.85	3067.87	2958.81	-129.17	650.78	-13.34	250.85	30.98	8.26	PASS
3213.00†	3149.69	-129.90	446.94	3167.36	3050.63	-137.16	688.24	-13.45	260.94	32.23	8.26	PASS
3313.00†	3245.32	-138.07	475.04	3266.85	3142.45	-145.14	725.70	-13.55	271.04	33.50	8.25	PASS
3413.00†	3340.94	-146.23	503.13	3366.33	3234.27	-153.13	763.16	-13.64	281.14	34.77	8.23	PASS
3513.00†	3436.57	-154.40	531.23	3465.82	3326.09	-161.11	800.62	-13.72	291.24	36.06	8.22	PASS
3613.00†	3532.19	-162.57	559.32	3565.31	3417.91	-169.10	838.07	-13.80	301.34	37.35	8.20	PASS
3713.00†	3627.82	-170.73	587.42	3664.80	3509.73	-177.08	875.53	-13.88	311.44	38.66	8.19	PASS
3813.00†	3723.44	-178.90	615.51	3764.29	3601.55	-185.07	912.99	-13.95	321.54	39.97	8.17	PASS
3913.00†	3819.06	-187.06	643.61	3863.77	3693.37	-193.05	950.45	-14.01	331.64	41.28	8.16	PASS
4013.00†	3914.69	-195.23	671.70	3963.26	3785.19	-201.04	987.91	-14.07	341.75	42.60	8.14	PASS
4113.00†	4010.31	-203.39	699.80	4062.75	3877.01	-209.02	1025.37	-14.13	351.85	43.93	8.12	PASS
4213.00†	4105.94	-211.56	727.89	4162.24	3968.83	-217.01	1062.82	-14.19	361.95	45.26	8.11	PASS
4313.00†	4201.56	-219.73	755.99	4261.72	4060.65	-224.99	1100.28	-14.24	372.05	46.60	8.09	PASS
4413.00†	4297.19	-227.89	784.08	4361.21	4152.47	-232.98	1137.74	-14.29	382.16	47.94	8.08	PASS
4513.00†	4392.81	-236.06	812.18	4460.70	4244.29	-240.97	1175.20	-14.33	392.26	49.28	8.06	PASS
4613.00†	4488.43	-244.22	840.27	4560.19	4336.11	-248.95	1212.66	-14.38	402.36	50.63	8.05	PASS
4713.00†	4584.06	-252.39	868.37	4659.68	4427.93	-256.94	1250.11	-14.42	412.47	51.98	8.03	PASS
4813.00†	4679.68	-260.55	896.46	4759.16	4519.75	-264.92	1287.57	-14.46	422.57	53.34	8.02	PASS
4913.00†	4775.31	-268.72	924.56	4858.65	4611.57	-272.91	1325.03	-14.50	432.68	54.69	8.00	PASS
5013.00†	4870.93	-276.89	952.65	4958.14	4703.39	-280.89	1362.49	-14.53	442.78	56.05	7.99	PASS
5113.00†	4966.56	-285.05	980.74	5057.63	4795.21	-288.88	1399.95	-14.57	452.89	57.41	7.97	PASS
5213.00†	5062.18	-293.22	1008.84	5157.11	4887.03	-296.86	1437.41	-14.60	462.99	58.78	7.96	PASS
5313.00†	5157.80	-301.38	1036.93	5256.60	4978.85	-304.85	1474.86	-14.63	473.10	60.14	7.95	PASS
5413.00†	5253.43	-309.55	1065.03	5356.09	5070.67	-312.83	1512.32	-14.66	483.20	61.51	7.94	PASS
5513.00†	5349.05	-317.71	1093.12	5455.58	5162.49	-320.82	1549.78	-14.69	493.31	62.88	7.92	PASS
5613.00†	5444.68	-325.88	1121.22	5555.07	5254.31	-328.80	1587.24	-14.72	503.41	64.25	7.91	PASS
5713.00†	5540.30	-334.04	1149.31	5654.55	5346.13	-336.79	1624.70	-14.75	513.52	65.62	7.90	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 29 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-4NBH PWB Offset Wellpath: CONNER 19-18-4NBH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#16 CONNER 19-18-4NBH (350'FSL & 2020'FWL, SEC.19) Well: CONNER 19-18-4NBH 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	
5813.00†	5635.93	-342.21	1177.41	5754.04	5437.95	-344.78	1662.16	-14.77	523.62	67.00	7.89	PASS	
5913.00†	5731.55	-350.38	1205.50	5853.53	5529.77	-352.76	1699.61	-14.80	533.73	68.37	7.88	PASS	
6013.00†	5827.17	-358.54	1233.60	5953.02	5621.59	-360.75	1737.07	-14.82	543.84	69.75	7.87	PASS	
6113.00†	5922.80	-366.71	1261.69	6052.50	5713.41	-368.73	1774.53	-14.84	553.94	71.13	7.86	PASS	
6213.00†	6018.42	-374.87	1289.79	6151.99	5805.23	-376.72	1811.99	-14.87	564.05	72.51	7.85	PASS	
6313.00†	6114.05	-383.04	1317.88	6251.48	5897.05	-384.70	1849.45	-14.89	574.15	73.89	7.84	PASS	
6413.00†	6209.67	-391.20	1345.98	6350.97	5988.87	-392.69	1886.90	-14.91	584.26	75.27	7.83	PASS	
6513.00†	6305.30	-399.37	1374.07	6450.46	6080.69	-400.67	1924.36	-14.93	594.37	76.65	7.82	PASS	
6613.00†	6400.92	-407.54	1402.17	6549.94	6172.51	-408.66	1961.82	-14.95	604.47	78.04	7.81	PASS	
6713.00†	6496.54	-415.70	1430.26	6649.43	6264.33	-416.64	1999.28	-14.97	614.58	79.42	7.80	PASS	
6813.00†	6592.17	-423.87	1458.35	6748.92	6356.15	-424.63	2036.74	-14.99	624.69	80.80	7.79	PASS	
6913.00†	6687.79	-432.03	1486.45	6848.41	6447.97	-432.61	2074.20	-15.00	634.79	82.19	7.78	PASS	
7013.00†	6783.42	-440.20	1514.54	6947.89	6539.79	-440.60	2111.65	-15.02	644.90	83.58	7.77	PASS	
7113.00†	6879.04	-448.36	1542.64	7047.38	6631.61	-448.58	2149.11	-15.04	655.01	84.96	7.77	PASS	
7213.00†	6974.67	-456.53	1570.73	7146.87	6723.43	-456.57	2186.57	-15.05	665.11	86.35	7.76	PASS	
7263.34	7022.81	-460.64	1584.88	7196.96	6769.66	-460.59	2205.43	-15.06	670.20	87.05	7.75	PASS	
7313.00†	7070.40	-462.55	1598.87	7246.56	6815.47	-464.03	2224.11	1.06	675.22	87.58	7.76	PASS	
7413.00†	7165.80	-453.35	1626.94	7347.36	6908.59	-458.88	2262.01	30.67	685.21	88.38	7.81	PASS	
7513.00†	7258.21	-427.03	1654.17	7448.96	7000.19	-435.98	2299.17	48.43	694.75	88.94	7.87	PASS	
7613.00†	7344.83	-384.38	1679.75	7551.36	7087.30	-395.61	2334.38	57.89	703.56	89.30	7.93	PASS	
7713.00†	7423.00	-326.69	1702.88	7654.52	7166.97	-338.71	2366.45	63.15	711.35	89.56	8.00	PASS	
7813.00†	7490.38	-255.72	1722.86	7758.36	7236.37	-266.83	2394.22	66.23	717.89	89.85	8.05	PASS	
7913.00†	7544.89	-173.63	1739.09	7862.76	7292.93	-182.18	2416.69	68.08	722.97	90.27	8.06	PASS	
8013.00†	7584.90	-82.91	1751.08	7967.54	7334.49	-87.55	2432.97	69.18	726.43	90.88	8.05	PASS	
8113.00†	7609.18	13.69	1758.46	8072.49	7359.47	13.80	2442.45	69.75	728.15	91.73	7.99	PASS	
8209.78	7617.00	110.00	1761.00	8173.81	7367.00	114.67	2444.83	69.92	728.11	92.74	7.90	PASS	
8213.00†	7617.00	113.22	1761.01	8177.03	7367.00	117.89	2444.81	69.92	728.08	92.77	7.90	PASS	
8313.00†	7617.00	213.22	1761.26	8277.02	7367.00	217.89	2444.13	69.89	727.21	94.03	7.78	PASS	
8413.00†	7617.00	313.22	1761.51	8377.02	7367.00	317.88	2443.44	69.87	726.33	95.75	7.63	PASS	
8513.00†	7617.00	413.22	1761.75	8477.01	7367.00	417.87	2442.76	69.84	725.46	97.82	7.46	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 30 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-4NBH PWB Offset Wellpath: CONNER 19-18-4NBH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#16 CONNER 19-18-4NBH (350'FSL & 2020'FWL, SEC.19) Well: CONNER 19-18-4NBH 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
8613.00†	7617.00	513.22	1762.00	8577.01	7367.00	517.87	2442.08	69.82	724.58	100.22	7.27	PASS
8713.00†	7617.00	613.22	1762.25	8677.01	7367.00	617.86	2441.39	69.79	723.71	103.98	7.00	PASS
8813.00†	7617.00	713.22	1762.50	8777.00	7367.00	717.85	2440.71	69.77	722.83	105.88	6.87	PASS
8913.00†	7617.00	813.22	1762.75	8877.00	7367.00	817.85	2440.03	69.74	721.96	109.10	6.65	PASS
9013.00†	7617.00	913.22	1763.00	8976.99	7367.00	917.84	2439.34	69.71	721.08	112.55	6.44	PASS
9113.00†	7617.00	1013.22	1763.25	9076.99	7367.00	1017.83	2438.66	69.69	720.21	116.22	6.23	PASS
9213.00†	7617.00	1113.22	1763.50	9176.98	7367.00	1117.83	2437.98	69.66	719.34	120.07	6.02	PASS
9313.00†	7617.00	1213.22	1763.75	9276.98	7367.00	1217.82	2437.29	69.64	718.46	124.09	5.82	PASS
9413.00†	7617.00	1313.22	1763.99	9376.97	7367.00	1317.81	2436.61	69.61	717.59	128.27	5.62	PASS
9513.00†	7617.00	1413.22	1764.24	9476.97	7367.00	1417.81	2435.93	69.58	716.71	132.58	5.43	PASS
9613.00†	7617.00	1513.22	1764.49	9576.97	7367.00	1517.80	2435.24	69.56	715.84	137.03	5.25	PASS
9713.00†	7617.00	1613.22	1764.74	9676.96	7367.00	1617.79	2434.56	69.53	714.97	141.59	5.07	PASS
9813.00†	7617.00	1713.22	1764.99	9776.96	7367.00	1717.79	2433.88	69.51	714.09	146.25	4.90	PASS
9913.00†	7617.00	1813.22	1765.24	9876.95	7367.00	1817.78	2433.19	69.48	713.22	151.01	4.74	PASS
10013.00†	7617.00	1913.21	1765.49	9976.95	7367.00	1917.77	2432.51	69.45	712.35	155.85	4.59	PASS
10113.00†	7617.00	2013.21	1765.74	10076.94	7367.00	2017.77	2431.83	69.43	711.48	160.76	4.44	PASS
10213.00†	7617.00	2113.21	1765.99	10176.94	7367.00	2117.76	2431.14	69.40	710.60	165.75	4.30	PASS
10313.00†	7617.00	2213.21	1766.23	10276.94	7367.00	2217.75	2430.46	69.37	709.73	170.80	4.17	PASS
10413.00†	7617.00	2313.21	1766.48	10376.93	7367.00	2317.75	2429.78	69.35	708.86	175.91	4.04	PASS
10513.00†	7617.00	2413.21	1766.73	10476.93	7367.00	2417.74	2429.10	69.32	707.99	181.07	3.92	PASS
10613.00†	7617.00	2513.21	1766.98	10576.92	7367.00	2517.73	2428.41	69.30	707.11	186.28	3.81	PASS
10713.00†	7617.00	2613.21	1767.23	10676.92	7367.00	2617.73	2427.73	69.27	706.24	191.54	3.70	PASS
10813.00†	7617.00	2713.21	1767.48	10776.91	7367.00	2717.72	2427.05	69.24	705.37	196.83	3.59	PASS
10913.00†	7617.00	2813.21	1767.73	10876.91	7367.00	2817.71	2426.36	69.21	704.50	202.16	3.49	PASS
11013.00†	7617.00	2913.21	1767.98	10976.91	7367.00	2917.71	2425.68	69.19	703.63	207.53	3.40	PASS
11113.00†	7617.00	3013.21	1768.23	11076.90	7367.00	3017.70	2425.00	69.16	702.76	212.92	3.31	PASS
11213.00†	7617.00	3113.21	1768.47	11176.90	7367.00	3117.69	2424.31	69.13	701.89	218.35	3.22	PASS
11313.00†	7617.00	3213.21	1768.72	11276.89	7367.00	3217.69	2423.63	69.11	701.02	223.80	3.14	PASS
11413.00†	7617.00	3313.21	1768.97	11376.89	7367.00	3317.68	2422.95	69.08	700.14	229.27	3.06	PASS
11513.00†	7617.00	3413.21	1769.22	11476.88	7367.00	3417.67	2422.26	69.05	699.27	234.77	2.98	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 31 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-4NBH PWB Offset Wellpath: CONNER 19-18-4NBH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#16 CONNER 19-18-4NBH (350'FSL & 2020'FWL, SEC.19) Well: CONNER 19-18-4NBH 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
11613.00†	7617.00	3513.21	1769.47	11576.88	7367.00	3517.67	2421.58	69.02	698.40	240.29	2.91	PASS
11713.00†	7617.00	3613.21	1769.72	11676.87	7367.00	3617.66	2420.90	69.00	697.53	245.83	2.84	PASS
11813.00†	7617.00	3713.21	1769.97	11776.87	7367.00	3717.65	2420.21	68.97	696.66	251.39	2.78	PASS
11913.00†	7617.00	3813.21	1770.22	11876.87	7367.00	3817.65	2419.53	68.94	695.79	256.96	2.71	PASS
12013.00†	7617.00	3913.21	1770.47	11976.86	7367.00	3917.64	2418.85	68.91	694.92	262.55	2.65	PASS
12113.00†	7617.00	4013.21	1770.71	12076.86	7367.00	4017.63	2418.16	68.89	694.05	268.15	2.59	PASS
12213.00†	7617.00	4113.21	1770.96	12176.85	7367.00	4117.63	2417.48	68.86	693.18	273.76	2.54	PASS
12313.00†	7617.00	4213.21	1771.21	12276.85	7367.00	4217.62	2416.80	68.83	692.31	279.39	2.48	PASS
12413.00†	7617.00	4313.21	1771.46	12376.84	7367.00	4317.61	2416.11	68.80	691.45	285.03	2.43	PASS
12513.00†	7617.00	4413.21	1771.71	12476.84	7367.00	4417.61	2415.43	68.78	690.58	290.68	2.38	PASS
12613.00†	7617.00	4513.21	1771.96	12576.84	7367.00	4517.60	2414.75	68.75	689.71	296.34	2.33	PASS
12713.00†	7617.00	4613.21	1772.21	12676.83	7367.00	4617.59	2414.07	68.72	688.84	302.01	2.28	PASS
12813.00†	7617.00	4713.21	1772.46	12776.83	7367.00	4717.59	2413.38	68.69	687.97	307.69	2.24	PASS
12913.00†	7617.00	4813.21	1772.71	12876.82	7367.00	4817.58	2412.70	68.66	687.10	313.37	2.20	PASS
13013.00†	7617.00	4913.21	1772.95	12976.82	7367.00	4917.57	2412.02	68.63	686.23	319.06	2.15	PASS
13113.00†	7617.00	5013.21	1773.20	13076.81	7367.00	5017.57	2411.33	68.61	685.37	324.76	2.11	PASS
13213.00†	7617.00	5113.20	1773.45	13176.81	7367.00	5117.56	2410.65	68.58	684.50	330.47	2.07	PASS
13313.00†	7617.00	5213.20	1773.70	13276.81	7367.00	5217.55	2409.97	68.55	683.63	336.18	2.04	PASS
13413.00†	7617.00	5313.20	1773.95	13376.80	7367.00	5317.55	2409.28	68.52	682.76	341.90	2.00	PASS
13513.00†	7617.00	5413.20	1774.20	13476.80	7367.00	5417.54	2408.60	68.49	681.90	347.62	1.96	PASS
13613.00†	7617.00	5513.20	1774.45	13576.79	7367.00	5517.53	2407.92	68.46	681.03	353.35	1.93	PASS
13713.00†	7617.00	5613.20	1774.70	13676.79	7367.00	5617.52	2407.23	68.43	680.16	359.08	1.90	PASS
13813.00†	7617.00	5713.20	1774.95	13776.78	7367.00	5717.52	2406.55	68.41	679.30	364.81	1.86	PASS
13913.00†	7617.00	5813.20	1775.19	13876.78	7367.00	5817.51	2405.87	68.38	678.43	370.55	1.83	PASS
14013.00†	7617.00	5913.20	1775.44	13976.77	7367.00	5917.50	2405.18	68.35	677.56	376.29	1.80	PASS
14113.00†	7617.00	6013.20	1775.69	14076.77	7367.00	6017.50	2404.50	68.32	676.70	382.04	1.77	PASS
14213.00†	7617.00	6113.20	1775.94	14176.77	7367.00	6117.49	2403.82	68.29	675.83	387.79	1.74	PASS
14313.00†	7617.00	6213.20	1776.19	14276.76	7367.00	6217.48	2403.13	68.26	674.96	393.54	1.72	PASS
14413.00†	7617.00	6313.20	1776.44	14376.76	7367.00	6317.48	2402.45	68.23	674.10	399.30	1.69	PASS
14513.00†	7617.00	6413.20	1776.69	14476.75	7367.00	6417.47	2401.77	68.20	673.23	405.05	1.66	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 32 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-4NBH PWB Offset Wellpath: CONNER 19-18-4NBH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#16 CONNER 19-18-4NBH (350'FSL & 2020'FWL, SEC.19) Well: CONNER 19-18-4NBH 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
14613.00†	7617.00	6513.20	1776.94	14576.75	7367.00	6517.46	2401.08	68.17	672.37	410.81	1.64	PASS
14713.00†	7617.00	6613.20	1777.19	14676.74	7367.00	6617.46	2400.40	68.14	671.50	416.57	1.61	PASS
14813.00†	7617.00	6713.20	1777.43	14776.74	7367.00	6717.45	2399.72	68.11	670.64	422.33	1.59	PASS
14913.00†	7617.00	6813.20	1777.68	14876.74	7367.00	6817.44	2399.03	68.08	669.77	428.10	1.57	PASS
15013.00†	7617.00	6913.20	1777.93	14976.73	7367.00	6917.44	2398.35	68.05	668.91	433.86	1.54	PASS
15113.00†	7617.00	7013.20	1778.18	15076.73	7367.00	7017.43	2397.67	68.02	668.04	439.63	1.52	PASS
15213.00†	7617.00	7113.20	1778.43	15176.72	7367.00	7117.42	2396.99	67.99	667.18	445.39	1.50	PASS
15313.00†	7617.00	7213.20	1778.68	15276.72	7367.00	7217.42	2396.30	67.96	666.32	451.16	1.48	PASS
15413.00†	7617.00	7313.20	1778.93	15376.71	7367.00	7317.41	2395.62	67.93	665.45	456.93	1.46	PASS
15513.00†	7617.00	7413.20	1779.18	15476.71	7367.00	7417.40	2394.94	67.90	664.59	462.70	1.44	PASS
15613.00†	7617.00	7513.20	1779.43	15576.71	7367.00	7517.40	2394.25	67.87	663.72	468.47	1.42	PASS
15713.00†	7617.00	7613.20	1779.67	15676.70	7367.00	7617.39	2393.57	67.84	662.86	474.24	1.40	PASS
15813.00†	7617.00	7713.20	1779.92	15776.70	7367.00	7717.38	2392.89	67.81	662.00	480.01	1.38	PASS
15913.00†	7617.00	7813.20	1780.17	15876.69	7367.00	7817.38	2392.20	67.78	661.13	485.78	1.36	PASS
16013.00†	7617.00	7913.20	1780.42	15976.69	7367.00	7917.37	2391.52	67.75	660.27	491.55	1.34	PASS
16113.00†	7617.00	8013.20	1780.67	16076.68	7367.00	8017.36	2390.84	67.72	659.41	497.32	1.33	PASS
16213.00†	7617.00	8113.20	1780.92	16176.68	7367.00	8117.36	2390.15	67.69	658.55	503.09	1.31	PASS
16313.00†	7617.00	8213.20	1781.17	16276.68	7367.00	8217.35	2389.47	67.66	657.68	508.86	1.29	PASS
16413.00†	7617.00	8313.19	1781.42	16376.67	7367.00	8317.34	2388.79	67.63	656.82	514.63	1.28	PASS
16513.00†	7617.00	8413.19	1781.67	16476.67	7367.00	8417.34	2388.10	67.60	655.96	520.40	1.26	PASS
16613.00†	7617.00	8513.19	1781.91	16576.66	7367.00	8517.33	2387.42	67.57	655.10	526.17	1.25	PASS
16713.00†	7617.00	8613.19	1782.16	16676.66	7367.00	8617.32	2386.74	67.53	654.24	531.94	1.23	PASS
16813.00†	7617.00	8713.19	1782.41	16776.65	7367.00	8717.32	2386.05	67.50	653.38	537.71	1.22	PASS
16913.00†	7617.00	8813.19	1782.66	16876.65	7367.00	8817.31	2385.37	67.47	652.52	543.47	1.20	PASS
17013.00†	7617.00	8913.19	1782.91	16976.64	7367.00	8917.30	2384.69	67.44	651.65	549.24	1.19	PASS
17113.00†	7617.00	9013.19	1783.16	17076.64	7367.00	9017.30	2384.00	67.41	650.79	555.00	1.17	PASS
17213.00†	7617.00	9113.19	1783.41	17176.64	7367.00	9117.29	2383.32	67.38	649.93	560.77	1.16	PASS
17313.00†	7617.00	9213.19	1783.66	17276.63	7367.00	9217.28	2382.64	67.35	649.07	566.53	1.15	PASS
17413.00†	7617.00	9313.19	1783.91	17376.63	7367.00	9317.28	2381.96	67.31	648.21	572.29	1.13	PASS
17513.00†	7617.00	9413.19	1784.15	17476.62	7367.00	9417.27	2381.27	67.28	647.35	578.05	1.12	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 33 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-4NBH PWB Offset Wellpath: CONNER 19-18-4NBH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#16 CONNER 19-18-4NBH (350'FSL & 2020'FWL, SEC.19)						Well: CONNER 19-18-4NBH		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
17613.00†	7617.00	9513.19	1784.40	17576.62	7367.00	9517.26	2380.59	67.25	646.49	583.81	1.11	PASS
17713.00†	7617.00	9613.19	1784.65	17676.61	7367.00	9617.26	2379.91	67.22	645.63	589.57	1.10	PASS
17813.00†	7617.00	9713.19	1784.90	17776.61	7367.00	9717.25	2379.22	67.19	644.77	595.33	1.08	PASS
17913.00†	7617.00	9813.19	1785.15	17876.61	7367.00	9817.24	2378.54	67.15	643.92	601.08	1.07	PASS
18007.75†	7617.00	9907.94	1785.39	17971.35	7367.00	9911.99	2377.89	67.12	643.10	606.53	1.06	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: CONNER 19-18-4NBH PWB Offset Wellpath: CONNER 19-18-4NBH PWP (REV-A.0)

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: CONNER 19-18-4NBH PWB Offset Wellpath: CONNER 19-18-4NBH PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
9.625in Casing Surface	13.00	700.00	687.00	13.00	700.00	0.00	27.35	0.00	27.35
8.5in Open Hole	700.00	17978.29	17278.29	700.00	7367.00	0.00	27.35	3023.29	738.44

SURVEY PROGRAM - Offset Wellbore: CONNER 19-18-4NBH PWB Offset Wellpath: CONNER 19-18-4NBH PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
13.00	700.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		CONNER 19-18-4NBH PWB
700.00	17984.08	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)		CONNER 19-18-4NBH PWB



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 34 of 103



REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: CONNER 19-18-4NBH PWB Offset Wellpath: CONNER 19-18-4NBH PWP (REV-A.0)	
MD Reference: RIG (5142'GL + 13'KB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	13.00ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 35 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-4NXH PWB Offset Wellpath: CONNER 19-18-4NXH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#14 CONNER 19-18-4NXH (350'FSL & 1990'FWL, SEC.19) Well: CONNER 19-18-4NXH 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
13.00	13.00	0.00	0.00	13.00	13.00	0.00	16.82	90.00	16.82	1.40	26.70	PASS
113.00†	113.00	0.00	0.00	113.00	113.00	0.00	16.82	90.00	16.82	1.88	14.82	PASS
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	16.82	90.00	16.82	2.67	8.57	PASS
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	16.82	90.00	16.82	3.50	5.94	PASS
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	16.82	90.00	16.82	4.34	4.53	PASS
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	16.82	90.00	16.82	5.18	3.66	PASS
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	16.82	90.00	16.82	6.03	3.06	PASS
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	16.82	90.00	16.82	6.37	2.85	PASS
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	16.82	90.00	16.82	6.50	2.78	PASS
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	16.82	90.00	16.82	6.81	2.64	PASS
1013.00†	1013.00	0.00	0.00	1013.00	1013.00	0.00	16.82	90.00	16.82	7.29	2.45	PASS
1113.00†	1113.00	0.00	0.00	1112.93	1112.93	-0.01	16.85	90.02	16.85	7.88	2.25	PASS
1200.00	1200.00	0.00	0.00	1199.39	1199.37	-0.41	18.50	91.26	18.51	8.57	2.26	PASS
1213.00†	1213.00	-0.01	0.03	1212.30	1212.27	-0.52	18.96	-14.65	18.95	8.68	2.29	PASS
1313.00†	1312.97	-0.62	2.14	1311.54	1311.35	-1.85	24.41	-13.03	22.36	9.85	2.37	PASS
1413.00†	1412.80	-2.21	7.60	1410.66	1410.05	-3.98	33.17	-12.17	25.78	11.19	2.39	PASS
1513.00†	1512.38	-4.77	16.40	1509.67	1508.27	-6.92	45.23	-11.81	29.20	12.46	2.42	PASS
1613.00†	1611.57	-8.29	28.54	1608.55	1605.89	-10.66	60.56	-11.80	32.61	13.69	2.46	PASS
1713.00†	1710.26	-12.79	43.99	1707.33	1702.79	-15.19	79.13	-12.03	36.01	14.88	2.49	PASS
1813.00†	1808.33	-18.23	62.74	1805.99	1798.87	-20.50	100.91	-12.44	39.40	16.05	2.52	PASS
1913.00†	1905.66	-24.64	84.76	1904.54	1894.01	-26.58	125.86	-12.99	42.77	17.21	2.55	PASS
2013.00†	2002.13	-31.98	110.04	2002.99	1988.11	-33.42	153.95	-13.64	46.12	18.37	2.57	PASS
2050.60	2038.16	-34.99	120.37	2039.98	2023.20	-36.19	165.31	-13.91	47.37	18.84	2.57	PASS
2113.00†	2097.83	-40.08	137.90	2101.29	2081.03	-41.02	185.11	-14.20	50.11	19.42	2.64	PASS
2213.00†	2193.45	-48.25	166.00	2199.96	2173.22	-49.34	219.26	-14.07	56.99	20.42	2.86	PASS
2313.00†	2289.08	-56.41	194.09	2299.68	2266.15	-57.90	254.38	-13.85	64.52	21.45	3.08	PASS
2413.00†	2384.70	-64.58	222.19	2399.39	2359.09	-66.46	289.50	-13.67	72.05	22.51	3.27	PASS
2513.00†	2480.32	-72.74	250.28	2499.11	2452.02	-75.02	324.62	-13.53	79.58	23.61	3.44	PASS
2613.00†	2575.95	-80.91	278.38	2598.82	2544.95	-83.58	359.74	-13.41	87.11	24.73	3.60	PASS
2713.00†	2671.57	-89.08	306.47	2698.54	2637.89	-92.14	394.86	-13.31	94.64	25.87	3.73	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 36 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-4NXH PWB Offset Wellpath: CONNER 19-18-4NXH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#14 CONNER 19-18-4NXH (350'FSL & 1990'FWL, SEC.19) Well: CONNER 19-18-4NXH 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	
2813.00†	2767.20	-97.24	334.57	2798.26	2730.82	-100.70	429.98	-13.22	102.18	27.03	3.86	PASS	
2913.00†	2862.82	-105.41	362.66	2897.97	2823.75	-109.26	465.10	-13.15	109.71	28.20	3.96	PASS	
3013.00†	2958.45	-113.57	390.76	2997.69	2916.68	-117.82	500.22	-13.09	117.24	29.39	4.06	PASS	
3113.00†	3054.07	-121.74	418.85	3097.40	3009.62	-126.38	535.34	-13.03	124.77	30.60	4.15	PASS	
3213.00†	3149.69	-129.90	446.94	3197.12	3102.55	-134.94	570.46	-12.98	132.31	31.81	4.23	PASS	
3313.00†	3245.32	-138.07	475.04	3296.83	3195.48	-143.50	605.59	-12.94	139.84	33.04	4.30	PASS	
3413.00†	3340.94	-146.23	503.13	3396.55	3288.42	-152.06	640.71	-12.90	147.37	34.28	4.37	PASS	
3513.00†	3436.57	-154.40	531.23	3496.27	3381.35	-160.62	675.83	-12.86	154.91	35.52	4.43	PASS	
3613.00†	3532.19	-162.57	559.32	3595.98	3474.28	-169.18	710.95	-12.83	162.44	36.77	4.49	PASS	
3713.00†	3627.82	-170.73	587.42	3695.70	3567.21	-177.74	746.07	-12.80	169.97	38.03	4.54	PASS	
3813.00†	3723.44	-178.90	615.51	3795.41	3660.15	-186.30	781.19	-12.77	177.51	39.29	4.58	PASS	
3913.00†	3819.06	-187.06	643.61	3895.13	3753.08	-194.86	816.31	-12.75	185.04	40.56	4.63	PASS	
4013.00†	3914.69	-195.23	671.70	3994.85	3846.01	-203.42	851.43	-12.72	192.57	41.83	4.67	PASS	
4113.00†	4010.31	-203.39	699.80	4094.56	3938.95	-211.98	886.55	-12.70	200.11	43.11	4.70	PASS	
4213.00†	4105.94	-211.56	727.89	4194.28	4031.88	-220.54	921.67	-12.68	207.64	44.39	4.74	PASS	
4313.00†	4201.56	-219.73	755.99	4293.99	4124.81	-229.10	956.79	-12.66	215.17	45.67	4.77	PASS	
4413.00†	4297.19	-227.89	784.08	4393.71	4217.74	-237.66	991.91	-12.65	222.71	46.96	4.80	PASS	
4513.00†	4392.81	-236.06	812.18	4493.42	4310.68	-246.22	1027.03	-12.63	230.24	48.25	4.83	PASS	
4613.00†	4488.43	-244.22	840.27	4593.14	4403.61	-254.78	1062.15	-12.62	237.78	49.55	4.85	PASS	
4713.00†	4584.06	-252.39	868.37	4692.86	4496.54	-263.34	1097.27	-12.60	245.31	50.85	4.88	PASS	
4813.00†	4679.68	-260.55	896.46	4792.57	4589.48	-271.90	1132.39	-12.59	252.84	52.15	4.90	PASS	
4913.00†	4775.31	-268.72	924.56	4892.29	4682.41	-280.46	1167.51	-12.58	260.38	53.45	4.92	PASS	
5013.00†	4870.93	-276.89	952.65	4992.00	4775.34	-289.02	1202.63	-12.56	267.91	54.75	4.94	PASS	
5113.00†	4966.56	-285.05	980.74	5091.72	4868.27	-297.58	1237.75	-12.55	275.44	56.06	4.96	PASS	
5213.00†	5062.18	-293.22	1008.84	5191.44	4961.21	-306.14	1272.87	-12.54	282.98	57.37	4.98	PASS	
5313.00†	5157.80	-301.38	1036.93	5291.15	5054.14	-314.70	1307.99	-12.53	290.51	58.68	5.00	PASS	
5413.00†	5253.43	-309.55	1065.03	5390.87	5147.07	-323.26	1343.11	-12.52	298.05	59.99	5.02	PASS	
5513.00†	5349.05	-317.71	1093.12	5490.58	5240.01	-331.83	1378.23	-12.51	305.58	61.30	5.03	PASS	
5613.00†	5444.68	-325.88	1121.22	5590.30	5332.94	-340.39	1413.36	-12.51	313.11	62.61	5.05	PASS	
5713.00†	5540.30	-334.04	1149.31	5690.01	5425.87	-348.95	1448.48	-12.50	320.65	63.93	5.06	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 37 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-4NXH PWB Offset Wellpath: CONNER 19-18-4NXH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#14 CONNER 19-18-4NXH (350'FSL & 1990'FWL, SEC.19) Well: CONNER 19-18-4NXH 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	
5813.00†	5635.93	-342.21	1177.41	5789.73	5518.80	-357.51	1483.60	-12.49	328.18	65.25	5.07	PASS	
5913.00†	5731.55	-350.38	1205.50	5889.45	5611.74	-366.07	1518.72	-12.48	335.71	66.56	5.09	PASS	
6013.00†	5827.17	-358.54	1233.60	5989.16	5704.67	-374.63	1553.84	-12.48	343.25	67.88	5.10	PASS	
6113.00†	5922.80	-366.71	1261.69	6088.88	5797.60	-383.19	1588.96	-12.47	350.78	69.20	5.11	PASS	
6213.00†	6018.42	-374.87	1289.79	6188.59	5890.54	-391.75	1624.08	-12.46	358.32	70.52	5.12	PASS	
6313.00†	6114.05	-383.04	1317.88	6288.31	5983.47	-400.31	1659.20	-12.46	365.85	71.85	5.13	PASS	
6413.00†	6209.67	-391.20	1345.98	6388.02	6076.40	-408.87	1694.32	-12.45	373.38	73.17	5.14	PASS	
6513.00†	6305.30	-399.37	1374.07	6487.74	6169.34	-417.43	1729.44	-12.44	380.92	74.49	5.15	PASS	
6613.00†	6400.92	-407.54	1402.17	6587.46	6262.27	-425.99	1764.56	-12.44	388.45	75.82	5.16	PASS	
6713.00†	6496.54	-415.70	1430.26	6687.17	6355.20	-434.55	1799.68	-12.43	395.99	77.14	5.17	PASS	
6813.00†	6592.17	-423.87	1458.35	6786.89	6448.13	-443.11	1834.80	-12.43	403.52	78.47	5.18	PASS	
6913.00†	6687.79	-432.03	1486.45	6886.60	6541.07	-451.67	1869.92	-12.42	411.05	79.79	5.19	PASS	
7013.00†	6783.42	-440.20	1514.54	6986.32	6634.00	-460.23	1905.04	-12.42	418.59	81.12	5.20	PASS	
7113.00†	6879.04	-448.36	1542.64	7086.46	6729.41	-460.19	1941.12	-13.60	425.81	83.15	5.16	PASS	
7213.00†	6974.67	-456.53	1570.73	7184.76	6818.02	-443.58	1974.66	-16.85	433.43	86.53	5.04	PASS	
7263.34	7022.81	-460.64	1584.88	7229.56	6858.07	-430.49	1989.84	-19.01	438.22	88.67	4.97	PASS	
7313.00†	7070.40	-462.55	1598.87	7271.79	6894.84	-415.12	2003.78	-5.26	443.87	90.73	4.92	PASS	
7413.00†	7165.80	-453.35	1626.94	7353.77	6962.73	-377.22	2029.54	19.83	457.30	93.66	4.91	PASS	
7513.00†	7258.21	-427.03	1654.17	7432.46	7022.51	-331.46	2052.25	33.56	472.39	94.66	5.02	PASS	
7613.00†	7344.83	-384.38	1679.75	7508.60	7074.23	-279.24	2071.93	39.54	487.94	93.82	5.23	PASS	
7713.00†	7423.00	-326.69	1702.88	7582.79	7117.97	-221.75	2088.60	41.90	502.84	91.62	5.52	PASS	
7813.00†	7490.38	-255.72	1722.86	7655.50	7153.73	-160.00	2102.27	42.67	516.18	88.71	5.86	PASS	
7913.00†	7544.89	-173.63	1739.09	7727.10	7181.53	-94.93	2112.93	42.76	527.24	85.80	6.19	PASS	
8013.00†	7584.90	-82.91	1751.08	7797.93	7201.35	-27.42	2120.59	42.63	535.46	83.58	6.45	PASS	
8113.00†	7609.18	13.69	1758.46	7868.27	7213.18	41.72	2125.22	42.49	540.47	82.66	6.59	PASS	
8209.78	7617.00	110.00	1761.00	7936.11	7217.00	109.40	2126.82	42.45	542.06	83.30	6.55	PASS	
8213.00†	7617.00	113.22	1761.01	7939.08	7217.00	112.36	2126.83	42.45	542.06	83.35	6.55	PASS	
8313.00†	7617.00	213.22	1761.26	8039.08	7217.00	212.36	2127.06	42.44	542.05	84.85	6.43	PASS	
8413.00†	7617.00	313.22	1761.51	8139.08	7217.00	312.36	2127.30	42.44	542.04	86.63	6.30	PASS	
8513.00†	7617.00	413.22	1761.75	8239.08	7217.00	412.36	2127.53	42.44	542.03	88.63	6.16	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 38 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-4NXH PWB Offset Wellpath: CONNER 19-18-4NXH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#14 CONNER 19-18-4NXH (350'FSL & 1990'FWL, SEC.19) Well: CONNER 19-18-4NXH 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
8613.00†	7617.00	513.22	1762.00	8339.08	7217.00	512.36	2127.76	42.44	542.02	90.82	6.01	PASS
8713.00†	7617.00	613.22	1762.25	8439.08	7217.00	612.36	2128.00	42.44	542.01	92.90	5.87	PASS
8813.00†	7617.00	713.22	1762.50	8539.08	7217.00	712.36	2128.23	42.44	542.00	95.73	5.70	PASS
8913.00†	7617.00	813.22	1762.75	8639.08	7217.00	812.36	2128.47	42.44	541.99	98.42	5.54	PASS
9013.00†	7617.00	913.22	1763.00	8739.08	7217.00	912.36	2128.70	42.44	541.98	101.25	5.38	PASS
9113.00†	7617.00	1013.22	1763.25	8839.08	7217.00	1012.36	2128.93	42.43	541.97	104.21	5.23	PASS
9213.00†	7617.00	1113.22	1763.50	8939.08	7217.00	1112.36	2129.17	42.43	541.96	107.29	5.08	PASS
9313.00†	7617.00	1213.22	1763.75	9039.08	7217.00	1212.36	2129.40	42.43	541.95	110.48	4.93	PASS
9413.00†	7617.00	1313.22	1763.99	9139.08	7217.00	1312.36	2129.63	42.43	541.93	113.77	4.79	PASS
9513.00†	7617.00	1413.22	1764.24	9239.08	7217.00	1412.36	2129.87	42.43	541.92	117.15	4.65	PASS
9613.00†	7617.00	1513.22	1764.49	9339.08	7217.00	1512.36	2130.10	42.43	541.91	120.61	4.51	PASS
9713.00†	7617.00	1613.22	1764.74	9439.08	7217.00	1612.36	2130.34	42.43	541.90	124.15	4.38	PASS
9813.00†	7617.00	1713.22	1764.99	9539.08	7217.00	1712.36	2130.57	42.43	541.89	127.76	4.26	PASS
9913.00†	7617.00	1813.22	1765.24	9639.08	7217.00	1812.36	2130.80	42.43	541.88	131.43	4.14	PASS
10013.00†	7617.00	1913.21	1765.49	9739.08	7217.00	1912.36	2131.04	42.42	541.87	135.16	4.02	PASS
10113.00†	7617.00	2013.21	1765.74	9839.08	7217.00	2012.36	2131.27	42.42	541.86	138.95	3.91	PASS
10213.00†	7617.00	2113.21	1765.99	9939.08	7217.00	2112.36	2131.51	42.42	541.85	142.78	3.81	PASS
10313.00†	7617.00	2213.21	1766.23	10039.08	7217.00	2212.36	2131.74	42.42	541.84	146.66	3.71	PASS
10413.00†	7617.00	2313.21	1766.48	10139.08	7217.00	2312.36	2131.97	42.42	541.83	150.58	3.61	PASS
10513.00†	7617.00	2413.21	1766.73	10239.08	7217.00	2412.36	2132.21	42.42	541.82	154.55	3.52	PASS
10613.00†	7617.00	2513.21	1766.98	10339.08	7217.00	2512.36	2132.44	42.42	541.81	158.54	3.43	PASS
10713.00†	7617.00	2613.21	1767.23	10439.08	7217.00	2612.36	2132.67	42.42	541.80	162.57	3.34	PASS
10813.00†	7617.00	2713.21	1767.48	10539.08	7217.00	2712.36	2132.91	42.41	541.79	166.64	3.26	PASS
10913.00†	7617.00	2813.21	1767.73	10639.08	7217.00	2812.36	2133.14	42.41	541.78	170.73	3.18	PASS
11013.00†	7617.00	2913.21	1767.98	10739.08	7217.00	2912.36	2133.38	42.41	541.77	174.84	3.11	PASS
11113.00†	7617.00	3013.21	1768.23	10839.08	7217.00	3012.36	2133.61	42.41	541.76	178.99	3.03	PASS
11213.00†	7617.00	3113.21	1768.47	10939.08	7217.00	3112.36	2133.84	42.41	541.75	183.15	2.97	PASS
11313.00†	7617.00	3213.21	1768.72	11039.08	7217.00	3212.36	2134.08	42.41	541.74	187.34	2.90	PASS
11413.00†	7617.00	3313.21	1768.97	11139.08	7217.00	3312.36	2134.31	42.41	541.73	191.54	2.84	PASS
11513.00†	7617.00	3413.21	1769.22	11239.08	7217.00	3412.36	2134.55	42.41	541.72	195.77	2.77	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 39 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-4NXH PWB Offset Wellpath: CONNER 19-18-4NXH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#14 CONNER 19-18-4NXH (350'FSL & 1990'FWL, SEC.19) Well: CONNER 19-18-4NXH 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
11613.00†	7617.00	3513.21	1769.47	11339.08	7217.00	3512.36	2134.78	42.41	541.71	200.01	2.71	PASS
11713.00†	7617.00	3613.21	1769.72	11439.08	7217.00	3612.36	2135.01	42.40	541.70	204.27	2.66	PASS
11813.00†	7617.00	3713.21	1769.97	11539.08	7217.00	3712.36	2135.25	42.40	541.69	208.54	2.60	PASS
11913.00†	7617.00	3813.21	1770.22	11639.08	7217.00	3812.35	2135.48	42.40	541.68	212.83	2.55	PASS
12013.00†	7617.00	3913.21	1770.47	11739.08	7217.00	3912.35	2135.71	42.40	541.67	217.14	2.50	PASS
12113.00†	7617.00	4013.21	1770.71	11839.08	7217.00	4012.35	2135.95	42.40	541.66	221.45	2.45	PASS
12213.00†	7617.00	4113.21	1770.96	11939.08	7217.00	4112.35	2136.18	42.40	541.65	225.78	2.40	PASS
12313.00†	7617.00	4213.21	1771.21	12039.08	7217.00	4212.35	2136.42	42.40	541.64	230.12	2.36	PASS
12413.00†	7617.00	4313.21	1771.46	12139.08	7217.00	4312.35	2136.65	42.40	541.63	234.47	2.31	PASS
12513.00†	7617.00	4413.21	1771.71	12239.08	7217.00	4412.35	2136.88	42.39	541.62	238.83	2.27	PASS
12613.00†	7617.00	4513.21	1771.96	12339.08	7217.00	4512.35	2137.12	42.39	541.61	243.20	2.23	PASS
12713.00†	7617.00	4613.21	1772.21	12439.08	7217.00	4612.35	2137.35	42.39	541.60	247.57	2.19	PASS
12813.00†	7617.00	4713.21	1772.46	12539.08	7217.00	4712.35	2137.58	42.39	541.59	251.96	2.15	PASS
12913.00†	7617.00	4813.21	1772.71	12639.08	7217.00	4812.35	2137.82	42.39	541.58	256.35	2.12	PASS
13013.00†	7617.00	4913.21	1772.95	12739.08	7217.00	4912.35	2138.05	42.39	541.57	260.76	2.08	PASS
13113.00†	7617.00	5013.21	1773.20	12839.08	7217.00	5012.35	2138.29	42.39	541.56	265.17	2.05	PASS
13213.00†	7617.00	5113.20	1773.45	12939.08	7217.00	5112.35	2138.52	42.39	541.55	269.58	2.01	PASS
13313.00†	7617.00	5213.20	1773.70	13039.08	7217.00	5212.35	2138.75	42.39	541.54	274.01	1.98	PASS
13413.00†	7617.00	5313.20	1773.95	13139.08	7217.00	5312.35	2138.99	42.38	541.53	278.44	1.95	PASS
13513.00†	7617.00	5413.20	1774.20	13239.08	7217.00	5412.35	2139.22	42.38	541.52	282.87	1.92	PASS
13613.00†	7617.00	5513.20	1774.45	13339.08	7217.00	5512.35	2139.46	42.38	541.51	287.31	1.89	PASS
13713.00†	7617.00	5613.20	1774.70	13439.08	7217.00	5612.35	2139.69	42.38	541.50	291.76	1.86	PASS
13813.00†	7617.00	5713.20	1774.95	13539.08	7217.00	5712.35	2139.92	42.38	541.49	296.21	1.83	PASS
13913.00†	7617.00	5813.20	1775.19	13639.08	7217.00	5812.35	2140.16	42.38	541.48	300.67	1.80	PASS
14013.00†	7617.00	5913.20	1775.44	13739.08	7217.00	5912.35	2140.39	42.38	541.47	305.13	1.78	PASS
14113.00†	7617.00	6013.20	1775.69	13839.08	7217.00	6012.35	2140.62	42.38	541.46	309.60	1.75	PASS
14213.00†	7617.00	6113.20	1775.94	13939.08	7217.00	6112.35	2140.86	42.37	541.45	314.07	1.73	PASS
14313.00†	7617.00	6213.20	1776.19	14039.08	7217.00	6212.35	2141.09	42.37	541.44	318.54	1.70	PASS
14413.00†	7617.00	6313.20	1776.44	14139.08	7217.00	6312.35	2141.33	42.37	541.43	323.02	1.68	PASS
14513.00†	7617.00	6413.20	1776.69	14239.08	7217.00	6412.35	2141.56	42.37	541.42	327.50	1.65	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 40 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-4NXH PWB Offset Wellpath: CONNER 19-18-4NXH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#14 CONNER 19-18-4NXH (350'FSL & 1990'FWL, SEC.19) Well: CONNER 19-18-4NXH 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
14613.00†	7617.00	6513.20	1776.94	14339.08	7217.00	6512.35	2141.79	42.37	541.41	331.99	1.63	PASS
14713.00†	7617.00	6613.20	1777.19	14439.08	7217.00	6612.35	2142.03	42.37	541.40	336.48	1.61	PASS
14813.00†	7617.00	6713.20	1777.43	14539.08	7217.00	6712.35	2142.26	42.37	541.39	340.97	1.59	PASS
14913.00†	7617.00	6813.20	1777.68	14639.08	7217.00	6812.35	2142.50	42.37	541.38	345.47	1.57	PASS
15013.00†	7617.00	6913.20	1777.93	14739.08	7217.00	6912.35	2142.73	42.37	541.37	349.97	1.55	PASS
15113.00†	7617.00	7013.20	1778.18	14839.08	7217.00	7012.35	2142.96	42.36	541.36	354.47	1.53	PASS
15213.00†	7617.00	7113.20	1778.43	14939.08	7217.00	7112.35	2143.20	42.36	541.35	358.97	1.51	PASS
15313.00†	7617.00	7213.20	1778.68	15039.08	7217.00	7212.35	2143.43	42.36	541.34	363.48	1.49	PASS
15413.00†	7617.00	7313.20	1778.93	15139.08	7217.00	7312.35	2143.66	42.36	541.33	367.99	1.47	PASS
15513.00†	7617.00	7413.20	1779.18	15239.08	7217.00	7412.34	2143.90	42.36	541.32	372.50	1.45	PASS
15613.00†	7617.00	7513.20	1779.43	15339.08	7217.00	7512.34	2144.13	42.36	541.31	377.02	1.44	PASS
15713.00†	7617.00	7613.20	1779.67	15439.08	7217.00	7612.34	2144.37	42.36	541.30	381.53	1.42	PASS
15813.00†	7617.00	7713.20	1779.92	15539.08	7217.00	7712.34	2144.60	42.36	541.29	386.05	1.40	PASS
15913.00†	7617.00	7813.20	1780.17	15639.08	7217.00	7812.34	2144.83	42.35	541.27	390.57	1.39	PASS
16013.00†	7617.00	7913.20	1780.42	15739.08	7217.00	7912.34	2145.07	42.35	541.26	395.10	1.37	PASS
16113.00†	7617.00	8013.20	1780.67	15839.08	7217.00	8012.34	2145.30	42.35	541.25	399.62	1.36	PASS
16213.00†	7617.00	8113.20	1780.92	15939.08	7217.00	8112.34	2145.54	42.35	541.24	404.15	1.34	PASS
16313.00†	7617.00	8213.20	1781.17	16039.08	7217.00	8212.34	2145.77	42.35	541.23	408.68	1.32	PASS
16413.00†	7617.00	8313.19	1781.42	16139.08	7217.00	8312.34	2146.00	42.35	541.22	413.21	1.31	PASS
16513.00†	7617.00	8413.19	1781.67	16239.08	7217.00	8412.34	2146.24	42.35	541.21	417.74	1.30	PASS
16613.00†	7617.00	8513.19	1781.91	16339.08	7217.00	8512.34	2146.47	42.35	541.20	422.28	1.28	PASS
16713.00†	7617.00	8613.19	1782.16	16439.08	7217.00	8612.34	2146.70	42.35	541.19	426.81	1.27	PASS
16813.00†	7617.00	8713.19	1782.41	16539.08	7217.00	8712.34	2146.94	42.34	541.18	431.35	1.26	PASS
16913.00†	7617.00	8813.19	1782.66	16639.08	7217.00	8812.34	2147.17	42.34	541.17	435.89	1.24	PASS
17013.00†	7617.00	8913.19	1782.91	16739.08	7217.00	8912.34	2147.41	42.34	541.16	440.43	1.23	PASS
17113.00†	7617.00	9013.19	1783.16	16839.08	7217.00	9012.34	2147.64	42.34	541.15	444.97	1.22	PASS
17213.00†	7617.00	9113.19	1783.41	16939.08	7217.00	9112.34	2147.87	42.34	541.14	449.52	1.20	PASS
17313.00†	7617.00	9213.19	1783.66	17039.08	7217.00	9212.34	2148.11	42.34	541.13	454.06	1.19	PASS
17413.00†	7617.00	9313.19	1783.91	17139.08	7217.00	9312.34	2148.34	42.34	541.12	458.61	1.18	PASS
17513.00†	7617.00	9413.19	1784.15	17239.08	7217.00	9412.34	2148.57	42.34	541.11	463.15	1.17	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 41 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-4NXH PWB Offset Wellpath: CONNER 19-18-4NXH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#14 CONNER 19-18-4NXH (350'FSL & 1990'FWL, SEC.19) Well: CONNER 19-18-4NXH 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
17613.00†	7617.00	9513.19	1784.40	17339.08	7217.00	9512.34	2148.81	42.33	541.10	467.70	1.16	PASS
17713.00†	7617.00	9613.19	1784.65	17439.08	7217.00	9612.34	2149.04	42.33	541.09	472.25	1.15	PASS
17813.00†	7617.00	9713.19	1784.90	17539.08	7217.00	9712.34	2149.28	42.33	541.08	476.80	1.14	PASS
17913.00†	7617.00	9813.19	1785.15	17639.08	7217.00	9812.34	2149.51	42.33	541.07	481.35	1.12	PASS
18007.75†	7617.00	9907.94	1785.39	17733.82	7217.00	9907.09	2149.73	42.33	541.06	485.66	1.11	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: CONNER 19-18-4NXH PWB Offset Wellpath: CONNER 19-18-4NXH PWP (REV-A.0)

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: CONNER 19-18-4NXH PWB Offset Wellpath: CONNER 19-18-4NXH PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
9.625in Casing Surface	13.00	700.00	687.00	13.00	700.00	0.00	10.26	0.00	10.26
8.5in Open Hole	700.00	17741.99	17041.99	700.00	7217.00	0.00	10.26	3022.17	660.37

SURVEY PROGRAM - Offset Wellbore: CONNER 19-18-4NXH PWB Offset Wellpath: CONNER 19-18-4NXH PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
13.00	700.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		CONNER 19-18-4NXH PWB
700.00	17741.99	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)		CONNER 19-18-4NXH PWB



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 42 of 103



REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: CONNER 19-18-4NXH PWB Offset Wellpath: CONNER 19-18-4NXH PWP (REV-A.0)	
MD Reference: RIG (5142'GL + 13'KB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	13.00ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 43 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-3NCH PWB Offset Wellpath: CONNER 19-18-3NCH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#11 CONNER 19-18-3NCH (350'FSL & 1945'FWL, SEC.19) Well: CONNER 19-18-3NCH 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	
13.00	13.00	0.00	0.00	13.00	13.00	0.00	-28.04	-90.00	28.04	1.40	45.40	PASS	
113.00†	113.00	0.00	0.00	113.00	113.00	0.00	-28.04	-90.00	28.04	2.03	22.12	PASS	
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-28.04	-90.00	28.04	3.04	12.20	PASS	
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-28.04	-90.00	28.04	4.08	8.30	PASS	
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-28.04	-90.00	28.04	5.15	6.27	PASS	
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-28.04	-90.00	28.04	6.21	5.03	PASS	
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-28.04	-90.00	28.04	7.28	4.20	PASS	
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-28.04	-90.00	28.04	7.73	3.89	PASS	
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	-28.04	-90.00	28.04	7.83	3.84	PASS	
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	-28.04	-90.00	28.04	8.07	3.71	PASS	
1013.00†	1013.00	0.00	0.00	1013.00	1013.00	0.00	-28.04	-90.00	28.04	8.46	3.53	PASS	
1113.00†	1113.00	0.00	0.00	1113.00	1113.00	0.00	-28.04	-90.00	28.04	8.96	3.31	PASS	
1200.00	1200.00	0.00	0.00	1200.00	1200.00	0.00	-28.04	-90.00	28.04	9.47	3.12	PASS	
1213.00†	1213.00	-0.01	0.03	1213.00	1213.00	0.00	-28.04	163.81	28.07	9.55	3.09	PASS	
1313.00†	1312.97	-0.62	2.14	1312.97	1312.97	0.00	-28.04	164.96	30.19	10.30	3.07	PASS	
1413.00†	1412.80	-2.21	7.60	1412.95	1412.95	-0.01	-28.01	167.29	35.68	11.31	3.30	PASS	
1513.00†	1512.38	-4.77	16.40	1513.99	1513.96	-0.99	-26.00	168.86	42.60	12.39	3.59	PASS	
1613.00†	1611.57	-8.29	28.54	1615.27	1615.07	-3.53	-20.77	169.31	49.66	13.63	3.79	PASS	
1713.00†	1710.26	-12.79	43.99	1716.78	1716.13	-7.64	-12.30	169.05	56.83	14.83	3.97	PASS	
1813.00†	1808.33	-18.23	62.74	1818.52	1817.03	-13.33	-0.59	168.31	64.11	16.01	4.14	PASS	
1913.00†	1905.66	-24.64	84.76	1920.48	1917.62	-20.59	14.38	167.23	71.51	17.18	4.30	PASS	
2013.00†	2002.13	-31.98	110.04	2021.52	2016.73	-29.19	32.09	166.04	79.35	18.28	4.48	PASS	
2050.60	2038.16	-34.99	120.37	2058.95	2053.39	-32.46	38.84	165.74	82.99	18.66	4.58	PASS	
2113.00†	2097.83	-40.08	137.90	2121.01	2114.20	-37.89	50.03	165.40	89.41	19.24	4.79	PASS	
2213.00†	2193.45	-48.25	166.00	2220.48	2211.64	-46.60	67.96	164.94	99.72	20.23	5.07	PASS	
2313.00†	2289.08	-56.41	194.09	2319.94	2309.09	-55.30	85.90	164.56	110.04	21.23	5.33	PASS	
2413.00†	2384.70	-64.58	222.19	2419.41	2406.53	-64.01	103.83	164.25	120.35	22.28	5.55	PASS	
2513.00†	2480.32	-72.74	250.28	2518.87	2503.98	-72.72	121.77	163.99	130.67	23.36	5.74	PASS	
2613.00†	2575.95	-80.91	278.38	2618.33	2601.43	-81.42	139.70	163.77	141.00	24.46	5.91	PASS	
2713.00†	2671.57	-89.08	306.47	2717.80	2698.87	-90.13	157.64	163.58	151.32	25.59	6.05	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 44 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-3NCH PWB Offset Wellpath: CONNER 19-18-3NCH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#11 CONNER 19-18-3NCH (350'FSL & 1945'FWL, SEC.19) Well: CONNER 19-18-3NCH 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
2813.00†	2767.20	-97.24	334.57	2817.26	2796.32	-98.83	175.57	163.41	161.64	26.73	6.18	PASS
2913.00†	2862.82	-105.41	362.66	2916.73	2893.76	-107.54	193.51	163.26	171.97	27.89	6.30	PASS
3013.00†	2958.45	-113.57	390.76	3016.19	2991.21	-116.25	211.45	163.13	182.30	29.07	6.40	PASS
3113.00†	3054.07	-121.74	418.85	3115.66	3088.66	-124.95	229.38	163.02	192.63	30.26	6.49	PASS
3213.00†	3149.69	-129.90	446.94	3215.12	3186.10	-133.66	247.32	162.91	202.96	31.46	6.58	PASS
3313.00†	3245.32	-138.07	475.04	3314.59	3283.55	-142.36	265.25	162.82	213.29	32.68	6.65	PASS
3413.00†	3340.94	-146.23	503.13	3414.05	3380.99	-151.07	283.19	162.73	223.62	33.90	6.72	PASS
3513.00†	3436.57	-154.40	531.23	3513.51	3478.44	-159.78	301.12	162.65	233.95	35.13	6.78	PASS
3613.00†	3532.19	-162.57	559.32	3612.98	3575.88	-168.48	319.06	162.58	244.28	36.36	6.83	PASS
3713.00†	3627.82	-170.73	587.42	3712.44	3673.33	-177.19	336.99	162.51	254.61	37.60	6.88	PASS
3813.00†	3723.44	-178.90	615.51	3811.91	3770.78	-185.89	354.93	162.45	264.94	38.85	6.93	PASS
3913.00†	3819.06	-187.06	643.61	3911.37	3868.22	-194.60	372.86	162.40	275.27	40.11	6.97	PASS
4013.00†	3914.69	-195.23	671.70	4010.84	3965.67	-203.30	390.80	162.35	285.61	41.37	7.01	PASS
4113.00†	4010.31	-203.39	699.80	4110.30	4063.11	-212.01	408.73	162.30	295.94	42.63	7.04	PASS
4213.00†	4105.94	-211.56	727.89	4209.77	4160.56	-220.72	426.67	162.25	306.27	43.90	7.08	PASS
4313.00†	4201.56	-219.73	755.99	4309.23	4258.01	-229.42	444.61	162.21	316.60	45.17	7.11	PASS
4413.00†	4297.19	-227.89	784.08	4408.69	4355.45	-238.13	462.54	162.17	326.94	46.44	7.13	PASS
4513.00†	4392.81	-236.06	812.18	4508.16	4452.90	-246.83	480.48	162.13	337.27	47.72	7.16	PASS
4613.00†	4488.43	-244.22	840.27	4607.62	4550.34	-255.54	498.41	162.10	347.60	49.00	7.18	PASS
4713.00†	4584.06	-252.39	868.37	4707.09	4647.79	-264.25	516.35	162.07	357.94	50.28	7.21	PASS
4813.00†	4679.68	-260.55	896.46	4806.55	4745.24	-272.95	534.28	162.03	368.27	51.57	7.23	PASS
4913.00†	4775.31	-268.72	924.56	4906.02	4842.68	-281.66	552.22	162.00	378.61	52.86	7.25	PASS
5013.00†	4870.93	-276.89	952.65	5005.48	4940.13	-290.36	570.15	161.98	388.94	54.15	7.27	PASS
5113.00†	4966.56	-285.05	980.74	5104.95	5037.57	-299.07	588.09	161.95	399.27	55.44	7.28	PASS
5213.00†	5062.18	-293.22	1008.84	5204.41	5135.02	-307.78	606.02	161.93	409.61	56.73	7.30	PASS
5313.00†	5157.80	-301.38	1036.93	5303.87	5232.47	-316.48	623.96	161.90	419.94	58.03	7.31	PASS
5413.00†	5253.43	-309.55	1065.03	5403.34	5329.91	-325.19	641.89	161.88	430.28	59.32	7.33	PASS
5513.00†	5349.05	-317.71	1093.12	5502.80	5427.36	-333.89	659.83	161.86	440.61	60.62	7.34	PASS
5613.00†	5444.68	-325.88	1121.22	5602.27	5524.80	-342.60	677.77	161.84	450.94	61.92	7.36	PASS
5713.00†	5540.30	-334.04	1149.31	5701.73	5622.25	-351.30	695.70	161.82	461.28	63.22	7.37	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 45 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-3NCH PWB Offset Wellpath: CONNER 19-18-3NCH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#11 CONNER 19-18-3NCH (350'FSL & 1945'FWL, SEC.19) Well: CONNER 19-18-3NCH 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	
5813.00†	5635.93	-342.21	1177.41	5801.20	5719.70	-360.01	713.64	161.80	471.61	64.52	7.38	PASS	
5913.00†	5731.55	-350.38	1205.50	5900.66	5817.14	-368.72	731.57	161.78	481.95	65.83	7.39	PASS	
6013.00†	5827.17	-358.54	1233.60	6000.13	5914.59	-377.42	749.51	161.76	492.28	67.13	7.40	PASS	
6113.00†	5922.80	-366.71	1261.69	6099.59	6012.03	-386.13	767.44	161.75	502.62	68.44	7.41	PASS	
6213.00†	6018.42	-374.87	1289.79	6199.05	6109.48	-394.83	785.38	161.73	512.95	69.74	7.42	PASS	
6313.00†	6114.05	-383.04	1317.88	6298.52	6206.92	-403.54	803.31	161.72	523.28	71.05	7.43	PASS	
6413.00†	6209.67	-391.20	1345.98	6397.98	6304.37	-412.25	821.25	161.70	533.62	72.36	7.44	PASS	
6513.00†	6305.30	-399.37	1374.07	6497.45	6401.82	-420.95	839.18	161.69	543.95	73.67	7.45	PASS	
6613.00†	6400.92	-407.54	1402.17	6596.91	6499.26	-429.66	857.12	161.67	554.29	74.97	7.45	PASS	
6713.00†	6496.54	-415.70	1430.26	6696.38	6596.71	-438.36	875.05	161.66	564.62	76.29	7.46	PASS	
6813.00†	6592.17	-423.87	1458.35	6795.84	6694.15	-447.07	892.99	161.65	574.96	77.60	7.47	PASS	
6913.00†	6687.79	-432.03	1486.45	6895.31	6791.60	-455.78	910.93	161.63	585.29	78.91	7.48	PASS	
7013.00†	6783.42	-440.20	1514.54	6996.81	6891.16	-462.69	929.25	161.81	595.55	80.10	7.49	PASS	
7113.00†	6879.04	-448.36	1542.64	7097.82	6990.02	-454.28	947.49	163.43	605.43	80.23	7.60	PASS	
7213.00†	6974.67	-456.53	1570.73	7190.45	7078.12	-431.17	963.79	166.29	616.22	79.59	7.80	PASS	
7263.34	7022.81	-460.64	1584.88	7232.82	7116.95	-415.83	970.98	167.99	622.69	79.63	7.88	PASS	
7313.00†	7070.40	-462.55	1598.87	7272.56	7152.26	-398.84	977.53	-173.12	629.93	79.31	8.01	PASS	
7413.00†	7165.80	-453.35	1626.94	7349.70	7217.11	-358.96	989.58	-138.26	646.35	78.96	8.25	PASS	
7513.00†	7258.21	-427.03	1654.17	7423.78	7273.89	-312.64	1000.16	-115.65	664.13	78.94	8.48	PASS	
7613.00†	7344.83	-384.38	1679.75	7495.57	7322.86	-261.01	1009.31	-101.88	682.04	78.94	8.71	PASS	
7713.00†	7423.00	-326.69	1702.88	7565.63	7364.16	-205.02	1017.06	-92.90	699.00	78.87	8.93	PASS	
7813.00†	7490.38	-255.72	1722.86	7634.39	7397.87	-145.47	1023.43	-86.74	714.09	78.73	9.14	PASS	
7913.00†	7544.89	-173.63	1739.09	7702.20	7424.01	-83.15	1028.40	-82.49	726.56	78.58	9.32	PASS	
8013.00†	7584.90	-82.91	1751.08	7769.34	7442.58	-18.76	1031.98	-79.68	735.85	78.51	9.45	PASS	
8113.00†	7609.18	13.69	1758.46	7836.06	7453.58	46.97	1034.17	-78.08	741.56	78.61	9.51	PASS	
8209.78	7617.00	110.00	1761.00	7901.04	7457.00	111.82	1034.97	-77.57	743.46	78.90	9.50	PASS	
8213.00†	7617.00	113.22	1761.01	7904.26	7457.00	115.04	1034.97	-77.57	743.46	78.93	9.50	PASS	
8313.00†	7617.00	213.22	1761.26	8004.26	7457.00	215.04	1035.22	-77.57	743.46	79.82	9.39	PASS	
8413.00†	7617.00	313.22	1761.51	8104.26	7457.00	315.04	1035.47	-77.57	743.45	81.32	9.21	PASS	
8513.00†	7617.00	413.22	1761.75	8204.26	7457.00	415.04	1035.72	-77.57	743.45	83.27	9.00	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 46 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-3NCH PWB Offset Wellpath: CONNER 19-18-3NCH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#11 CONNER 19-18-3NCH (350'FSL & 1945'FWL, SEC.19) Well: CONNER 19-18-3NCH 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
8613.00†	7617.00	513.22	1762.00	8304.26	7457.00	515.04	1035.98	-77.57	743.45	85.62	8.75	PASS
8713.00†	7617.00	613.22	1762.25	8404.26	7457.00	615.04	1036.23	-77.57	743.45	88.58	8.45	PASS
8813.00†	7617.00	713.22	1762.50	8504.26	7457.00	715.04	1036.48	-77.57	743.45	91.45	8.19	PASS
8913.00†	7617.00	813.22	1762.75	8604.26	7457.00	815.04	1036.73	-77.57	743.45	94.84	7.89	PASS
9013.00†	7617.00	913.22	1763.00	8704.26	7457.00	915.04	1036.98	-77.57	743.45	98.51	7.59	PASS
9113.00†	7617.00	1013.22	1763.25	8804.26	7457.00	1015.04	1037.23	-77.57	743.44	102.43	7.30	PASS
9213.00†	7617.00	1113.22	1763.50	8904.26	7457.00	1115.04	1037.48	-77.57	743.44	106.57	7.02	PASS
9313.00†	7617.00	1213.22	1763.75	9004.26	7457.00	1215.04	1037.73	-77.57	743.44	110.90	6.74	PASS
9413.00†	7617.00	1313.22	1763.99	9104.26	7457.00	1315.03	1037.98	-77.57	743.44	115.41	6.48	PASS
9513.00†	7617.00	1413.22	1764.24	9204.26	7457.00	1415.03	1038.23	-77.57	743.44	120.07	6.22	PASS
9613.00†	7617.00	1513.22	1764.49	9304.26	7457.00	1515.03	1038.48	-77.57	743.44	124.87	5.98	PASS
9713.00†	7617.00	1613.22	1764.74	9404.26	7457.00	1615.03	1038.73	-77.57	743.44	129.79	5.75	PASS
9813.00†	7617.00	1713.22	1764.99	9504.26	7457.00	1715.03	1038.98	-77.57	743.43	134.81	5.54	PASS
9913.00†	7617.00	1813.22	1765.24	9604.26	7457.00	1815.03	1039.23	-77.57	743.43	139.94	5.33	PASS
10013.00†	7617.00	1913.21	1765.49	9704.26	7457.00	1915.03	1039.48	-77.57	743.43	145.14	5.14	PASS
10113.00†	7617.00	2013.21	1765.74	9804.26	7457.00	2015.03	1039.73	-77.57	743.43	150.43	4.96	PASS
10213.00†	7617.00	2113.21	1765.99	9904.26	7457.00	2115.03	1039.98	-77.57	743.43	155.79	4.79	PASS
10313.00†	7617.00	2213.21	1766.23	10004.26	7457.00	2215.03	1040.23	-77.57	743.43	161.20	4.63	PASS
10413.00†	7617.00	2313.21	1766.48	10104.26	7457.00	2315.03	1040.48	-77.57	743.42	166.68	4.48	PASS
10513.00†	7617.00	2413.21	1766.73	10204.26	7457.00	2415.03	1040.73	-77.57	743.42	172.20	4.33	PASS
10613.00†	7617.00	2513.21	1766.98	10304.26	7457.00	2515.03	1040.98	-77.57	743.42	177.77	4.19	PASS
10713.00†	7617.00	2613.21	1767.23	10404.26	7457.00	2615.03	1041.23	-77.57	743.42	183.38	4.07	PASS
10813.00†	7617.00	2713.21	1767.48	10504.26	7457.00	2715.03	1041.48	-77.57	743.42	189.03	3.94	PASS
10913.00†	7617.00	2813.21	1767.73	10604.26	7457.00	2815.03	1041.74	-77.57	743.42	194.72	3.83	PASS
11013.00†	7617.00	2913.21	1767.98	10704.26	7457.00	2915.03	1041.99	-77.57	743.42	200.44	3.72	PASS
11113.00†	7617.00	3013.21	1768.23	10804.26	7457.00	3015.03	1042.24	-77.57	743.41	206.18	3.61	PASS
11213.00†	7617.00	3113.21	1768.47	10904.26	7457.00	3115.03	1042.49	-77.57	743.41	211.96	3.52	PASS
11313.00†	7617.00	3213.21	1768.72	11004.26	7457.00	3215.03	1042.74	-77.57	743.41	217.75	3.42	PASS
11413.00†	7617.00	3313.21	1768.97	11104.26	7457.00	3315.03	1042.99	-77.57	743.41	223.57	3.33	PASS
11513.00†	7617.00	3413.21	1769.22	11204.26	7457.00	3415.03	1043.24	-77.57	743.41	229.41	3.25	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 47 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-3NCH PWB Offset Wellpath: CONNER 19-18-3NCH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#11 CONNER 19-18-3NCH (350'FSL & 1945'FWL, SEC.19) Well: CONNER 19-18-3NCH 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
11613.00†	7617.00	3513.21	1769.47	11304.26	7457.00	3515.03	1043.49	-77.57	743.41	235.27	3.17	PASS
11713.00†	7617.00	3613.21	1769.72	11404.26	7457.00	3615.03	1043.74	-77.57	743.41	241.15	3.09	PASS
11813.00†	7617.00	3713.21	1769.97	11504.26	7457.00	3715.03	1043.99	-77.57	743.40	247.05	3.01	PASS
11913.00†	7617.00	3813.21	1770.22	11604.26	7457.00	3815.03	1044.24	-77.57	743.40	252.96	2.94	PASS
12013.00†	7617.00	3913.21	1770.47	11704.26	7457.00	3915.03	1044.49	-77.57	743.40	258.88	2.88	PASS
12113.00†	7617.00	4013.21	1770.71	11804.26	7457.00	4015.03	1044.74	-77.57	743.40	264.82	2.81	PASS
12213.00†	7617.00	4113.21	1770.96	11904.26	7457.00	4115.03	1044.99	-77.57	743.40	270.77	2.75	PASS
12313.00†	7617.00	4213.21	1771.21	12004.26	7457.00	4215.03	1045.24	-77.57	743.40	276.74	2.69	PASS
12413.00†	7617.00	4313.21	1771.46	12104.26	7457.00	4315.03	1045.49	-77.57	743.39	282.71	2.63	PASS
12513.00†	7617.00	4413.21	1771.71	12204.26	7457.00	4415.03	1045.74	-77.57	743.39	288.69	2.58	PASS
12613.00†	7617.00	4513.21	1771.96	12304.26	7457.00	4515.02	1045.99	-77.57	743.39	294.69	2.53	PASS
12713.00†	7617.00	4613.21	1772.21	12404.26	7457.00	4615.02	1046.24	-77.57	743.39	300.69	2.48	PASS
12813.00†	7617.00	4713.21	1772.46	12504.26	7457.00	4715.02	1046.49	-77.57	743.39	306.70	2.43	PASS
12913.00†	7617.00	4813.21	1772.71	12604.26	7457.00	4815.02	1046.74	-77.57	743.39	312.72	2.38	PASS
13013.00†	7617.00	4913.21	1772.95	12704.26	7457.00	4915.02	1046.99	-77.57	743.39	318.75	2.34	PASS
13113.00†	7617.00	5013.21	1773.20	12804.26	7457.00	5015.02	1047.24	-77.57	743.38	324.79	2.29	PASS
13213.00†	7617.00	5113.20	1773.45	12904.26	7457.00	5115.02	1047.49	-77.57	743.38	330.83	2.25	PASS
13313.00†	7617.00	5213.20	1773.70	13004.26	7457.00	5215.02	1047.75	-77.57	743.38	336.87	2.21	PASS
13413.00†	7617.00	5313.20	1773.95	13104.26	7457.00	5315.02	1048.00	-77.57	743.38	342.93	2.17	PASS
13513.00†	7617.00	5413.20	1774.20	13204.26	7457.00	5415.02	1048.25	-77.57	743.38	348.99	2.13	PASS
13613.00†	7617.00	5513.20	1774.45	13304.26	7457.00	5515.02	1048.50	-77.57	743.38	355.05	2.10	PASS
13713.00†	7617.00	5613.20	1774.70	13404.26	7457.00	5615.02	1048.75	-77.57	743.38	361.13	2.06	PASS
13813.00†	7617.00	5713.20	1774.95	13504.26	7457.00	5715.02	1049.00	-77.57	743.37	367.20	2.03	PASS
13913.00†	7617.00	5813.20	1775.19	13604.26	7457.00	5815.02	1049.25	-77.57	743.37	373.28	1.99	PASS
14013.00†	7617.00	5913.20	1775.44	13704.26	7457.00	5915.02	1049.50	-77.57	743.37	379.37	1.96	PASS
14113.00†	7617.00	6013.20	1775.69	13804.26	7457.00	6015.02	1049.75	-77.57	743.37	385.45	1.93	PASS
14213.00†	7617.00	6113.20	1775.94	13904.26	7457.00	6115.02	1050.00	-77.57	743.37	391.55	1.90	PASS
14313.00†	7617.00	6213.20	1776.19	14004.26	7457.00	6215.02	1050.25	-77.57	743.37	397.65	1.87	PASS
14413.00†	7617.00	6313.20	1776.44	14104.26	7457.00	6315.02	1050.50	-77.57	743.36	403.75	1.84	PASS
14513.00†	7617.00	6413.20	1776.69	14204.26	7457.00	6415.02	1050.75	-77.57	743.36	409.85	1.82	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 48 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-3NCH PWB Offset Wellpath: CONNER 19-18-3NCH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#11 CONNER 19-18-3NCH (350'FSL & 1945'FWL, SEC.19) Well: CONNER 19-18-3NCH 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
14613.00†	7617.00	6513.20	1776.94	14304.26	7457.00	6515.02	1051.00	-77.57	743.36	415.96	1.79	PASS
14713.00†	7617.00	6613.20	1777.19	14404.26	7457.00	6615.02	1051.25	-77.57	743.36	422.07	1.76	PASS
14813.00†	7617.00	6713.20	1777.43	14504.26	7457.00	6715.02	1051.50	-77.57	743.36	428.18	1.74	PASS
14913.00†	7617.00	6813.20	1777.68	14604.26	7457.00	6815.02	1051.75	-77.57	743.36	434.30	1.71	PASS
15013.00†	7617.00	6913.20	1777.93	14704.26	7457.00	6915.02	1052.00	-77.57	743.36	440.42	1.69	PASS
15113.00†	7617.00	7013.20	1778.18	14804.26	7457.00	7015.02	1052.25	-77.57	743.35	446.54	1.67	PASS
15213.00†	7617.00	7113.20	1778.43	14904.26	7457.00	7115.02	1052.50	-77.57	743.35	452.67	1.64	PASS
15313.00†	7617.00	7213.20	1778.68	15004.26	7457.00	7215.02	1052.75	-77.57	743.35	458.79	1.62	PASS
15413.00†	7617.00	7313.20	1778.93	15104.26	7457.00	7315.02	1053.00	-77.57	743.35	464.92	1.60	PASS
15513.00†	7617.00	7413.20	1779.18	15204.26	7457.00	7415.02	1053.25	-77.57	743.35	471.06	1.58	PASS
15613.00†	7617.00	7513.20	1779.43	15304.26	7457.00	7515.02	1053.51	-77.57	743.35	477.19	1.56	PASS
15713.00†	7617.00	7613.20	1779.67	15404.26	7457.00	7615.01	1053.76	-77.57	743.35	483.33	1.54	PASS
15813.00†	7617.00	7713.20	1779.92	15504.26	7457.00	7715.01	1054.01	-77.57	743.34	489.47	1.52	PASS
15913.00†	7617.00	7813.20	1780.17	15604.26	7457.00	7815.01	1054.26	-77.57	743.34	495.61	1.50	PASS
16013.00†	7617.00	7913.20	1780.42	15704.26	7457.00	7915.01	1054.51	-77.57	743.34	501.75	1.48	PASS
16113.00†	7617.00	8013.20	1780.67	15804.26	7457.00	8015.01	1054.76	-77.57	743.34	507.90	1.46	PASS
16213.00†	7617.00	8113.20	1780.92	15904.26	7457.00	8115.01	1055.01	-77.57	743.34	514.04	1.45	PASS
16313.00†	7617.00	8213.20	1781.17	16004.26	7457.00	8215.01	1055.26	-77.57	743.34	520.19	1.43	PASS
16413.00†	7617.00	8313.19	1781.42	16104.26	7457.00	8315.01	1055.51	-77.57	743.33	526.34	1.41	PASS
16513.00†	7617.00	8413.19	1781.67	16204.26	7457.00	8415.01	1055.76	-77.57	743.33	532.49	1.40	PASS
16613.00†	7617.00	8513.19	1781.91	16304.26	7457.00	8515.01	1056.01	-77.57	743.33	538.64	1.38	PASS
16713.00†	7617.00	8613.19	1782.16	16404.26	7457.00	8615.01	1056.26	-77.57	743.33	544.80	1.36	PASS
16813.00†	7617.00	8713.19	1782.41	16504.26	7457.00	8715.01	1056.51	-77.57	743.33	550.95	1.35	PASS
16913.00†	7617.00	8813.19	1782.66	16604.26	7457.00	8815.01	1056.76	-77.57	743.33	557.11	1.33	PASS
17013.00†	7617.00	8913.19	1782.91	16704.26	7457.00	8915.01	1057.01	-77.57	743.33	563.27	1.32	PASS
17113.00†	7617.00	9013.19	1783.16	16804.26	7457.00	9015.01	1057.26	-77.57	743.32	569.43	1.31	PASS
17213.00†	7617.00	9113.19	1783.41	16904.26	7457.00	9115.01	1057.51	-77.57	743.32	575.59	1.29	PASS
17313.00†	7617.00	9213.19	1783.66	17004.26	7457.00	9215.01	1057.76	-77.57	743.32	581.75	1.28	PASS
17413.00†	7617.00	9313.19	1783.91	17104.26	7457.00	9315.01	1058.01	-77.57	743.32	587.92	1.26	PASS
17513.00†	7617.00	9413.19	1784.15	17204.26	7457.00	9415.01	1058.26	-77.57	743.32	594.08	1.25	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 49 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-3NCH PWB Offset Wellpath: CONNER 19-18-3NCH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#11 CONNER 19-18-3NCH (350'FSL & 1945'FWL, SEC.19)						Well: CONNER 19-18-3NCH		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
17613.00†	7617.00	9513.19	1784.40	17304.26	7457.00	9515.01	1058.51	-77.57	743.32	600.25	1.24	PASS
17713.00†	7617.00	9613.19	1784.65	17404.26	7457.00	9615.01	1058.76	-77.57	743.31	606.41	1.23	PASS
17813.00†	7617.00	9713.19	1784.90	17504.26	7457.00	9715.01	1059.01	-77.57	743.31	612.58	1.21	PASS
17913.00†	7617.00	9813.19	1785.15	17604.26	7457.00	9815.01	1059.26	-77.57	743.31	618.75	1.20	PASS
17991.32†	7617.00	9891.51	1785.35	17682.58	7457.00	9893.33	1059.46	-77.57	743.31	623.58	1.19	PASS
18007.75	7617.00	9907.94	1785.39	17682.58	7457.00	9893.33	1059.46	-77.57	743.49	621.76	1.20	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: CONNER 19-18-3NCH PWB Offset Wellpath: CONNER 19-18-3NCH PWP (REV-A.0)

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: CONNER 19-18-3NCH PWB Offset Wellpath: CONNER 19-18-3NCH PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
9.625in Casing Surface	13.00	700.00	687.00	13.00	700.00	0.00	-17.09	0.00	-17.09
8.5in Open Hole	700.00	17682.58	16982.58	700.00	N/A	0.00	-17.09	N/A	N/A

SURVEY PROGRAM - Offset Wellbore: CONNER 19-18-3NCH PWB Offset Wellpath: CONNER 19-18-3NCH PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
13.00	700.00	BHI NaviTrak (Standard)		CONNER 19-18-3NCH PWB
700.00	17682.58	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)		CONNER 19-18-3NCH PWB



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 50 of 103



REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: CONNER 19-18-3NCH PWB Offset Wellpath: CONNER 19-18-3NCH PWP (REV-A.0)	
MD Reference: RIG (5142'GL + 13'KB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	13.00ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 51 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.18-T01S-R65W Slot: SLOT#01 EX TRACY #1 (990'FSL & 1650'FEL, SEC.18, PR,8150) Well: TRACY #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
13.00	13.00	0.00	0.00	-13.00	40.00	5950.24	1211.84	11.51	6072.45	25.40	246.80	PASS
113.00†	113.00	0.00	0.00	60.00	113.00	5950.24	1211.84	11.51	6072.39	51.41	119.97	PASS
213.00†	213.00	0.00	0.00	160.00	213.00	5950.24	1211.84	11.51	6072.39	53.76	114.64	PASS
313.00†	313.00	0.00	0.00	260.00	313.00	5950.24	1211.84	11.51	6072.39	56.13	109.75	PASS
413.00†	413.00	0.00	0.00	360.00	413.00	5950.24	1211.84	11.51	6072.39	58.50	105.23	PASS
513.00†	513.00	0.00	0.00	460.00	513.00	5950.24	1211.84	11.51	6072.39	60.89	101.05	PASS
613.00†	613.00	0.00	0.00	560.00	613.00	5950.24	1211.84	11.51	6072.39	63.28	97.17	PASS
713.00†	713.00	0.00	0.00	660.00	713.00	5950.24	1211.84	11.51	6072.39	65.56	93.62	PASS
813.00†	813.00	0.00	0.00	760.00	813.00	5950.24	1211.84	11.51	6072.39	67.90	90.36	PASS
913.00†	913.00	0.00	0.00	860.00	913.00	5950.24	1211.84	11.51	6072.39	70.25	87.31	PASS
1013.00†	1013.00	0.00	0.00	960.00	1013.00	5950.24	1211.84	11.51	6072.39	72.61	84.44	PASS
1113.00†	1113.00	0.00	0.00	1060.00	1113.00	5950.24	1211.84	11.51	6072.39	74.99	81.74	PASS
1200.00	1200.00	0.00	0.00	1147.00	1200.00	5950.24	1211.84	11.51	6072.39	77.06	79.52	PASS
1213.00†	1213.00	-0.01	0.03	1160.00	1213.00	5950.24	1211.84	-94.70	6072.39	77.37	79.20	PASS
1313.00†	1312.97	-0.62	2.14	1259.97	1312.97	5950.24	1211.84	-94.71	6072.57	79.77	76.80	PASS
1413.00†	1412.80	-2.21	7.60	1359.80	1412.80	5950.24	1211.84	-94.76	6073.04	82.17	74.54	PASS
1513.00†	1512.38	-4.77	16.40	1459.38	1512.38	5950.24	1211.84	-94.83	6073.81	84.58	72.41	PASS
1613.00†	1611.57	-8.29	28.54	1558.57	1611.57	5950.24	1211.84	-94.92	6074.89	87.00	70.39	PASS
1713.00†	1710.26	-12.79	43.99	1657.26	1710.26	5950.24	1211.84	-95.04	6076.31	89.44	68.47	PASS
1813.00†	1808.33	-18.23	62.74	1755.33	1808.33	5950.24	1211.84	-95.19	6078.08	91.88	66.65	PASS
1913.00†	1905.66	-24.64	84.76	1852.66	1905.66	5950.24	1211.84	-95.36	6080.25	94.36	64.92	PASS
2013.00†	2002.13	-31.98	110.04	1949.13	2002.13	5950.24	1211.84	-95.54	6082.84	96.86	63.26	PASS
2050.60	2038.16	-34.99	120.37	1985.16	2038.16	5950.24	1211.84	-95.62	6083.93	97.81	62.65	PASS
2113.00†	2097.83	-40.08	137.90	2044.83	2097.83	5950.24	1211.84	-95.78	6085.82	99.39	61.66	PASS
2213.00†	2193.45	-48.25	166.00	2140.45	2193.45	5950.24	1211.84	-96.04	6088.97	101.98	60.12	PASS
2313.00†	2289.08	-56.41	194.09	2236.08	2289.08	5950.24	1211.84	-96.30	6092.26	104.61	58.63	PASS
2413.00†	2384.70	-64.58	222.19	2331.70	2384.70	5950.24	1211.84	-96.57	6095.69	107.28	57.19	PASS
2513.00†	2480.32	-72.74	250.28	2427.32	2480.32	5950.24	1211.84	-96.83	6099.25	109.99	55.81	PASS
2613.00†	2575.95	-80.91	278.38	2522.95	2575.95	5950.24	1211.84	-97.09	6102.96	112.73	54.47	PASS
2713.00†	2671.57	-89.08	306.47	2618.57	2671.57	5950.24	1211.84	-97.35	6106.80	115.51	53.19	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 52 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.18-T01S-R65W Slot: SLOT#01 EX TRACY #1 (990'FSL & 1650'FEL, SEC.18, PR,8150) Well: TRACY #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
2813.00†	2767.20	-97.24	334.57	2714.20	2767.20	5950.24	1211.84	-97.61	6110.78	118.33	51.95	PASS
2913.00†	2862.82	-105.41	362.66	2809.82	2862.82	5950.24	1211.84	-97.87	6114.89	121.17	50.76	PASS
3013.00†	2958.45	-113.57	390.76	2905.45	2958.45	5950.24	1211.84	-98.13	6119.15	124.04	49.61	PASS
3113.00†	3054.07	-121.74	418.85	3001.07	3054.07	5950.24	1211.84	-98.39	6123.54	126.94	48.50	PASS
3213.00†	3149.69	-129.90	446.94	3096.69	3149.69	5950.24	1211.84	-98.65	6128.06	129.87	47.44	PASS
3313.00†	3245.32	-138.07	475.04	3192.32	3245.32	5950.24	1211.84	-98.91	6132.73	132.81	46.42	PASS
3413.00†	3340.94	-146.23	503.13	3287.94	3340.94	5950.24	1211.84	-99.16	6137.53	135.78	45.43	PASS
3513.00†	3436.57	-154.40	531.23	3383.57	3436.57	5950.24	1211.84	-99.42	6142.46	138.77	44.49	PASS
3613.00†	3532.19	-162.57	559.32	3479.19	3532.19	5950.24	1211.84	-99.68	6147.53	141.78	43.57	PASS
3713.00†	3627.82	-170.73	587.42	3574.82	3627.82	5950.24	1211.84	-99.94	6152.74	144.80	42.70	PASS
3813.00†	3723.44	-178.90	615.51	3670.44	3723.44	5950.24	1211.84	-100.19	6158.08	147.84	41.85	PASS
3913.00†	3819.06	-187.06	643.61	3766.06	3819.06	5950.24	1211.84	-100.45	6163.55	150.89	41.03	PASS
4013.00†	3914.69	-195.23	671.70	3861.69	3914.69	5950.24	1211.84	-100.71	6169.16	153.96	40.25	PASS
4113.00†	4010.31	-203.39	699.80	3957.31	4010.31	5950.24	1211.84	-100.96	6174.90	157.04	39.49	PASS
4213.00†	4105.94	-211.56	727.89	4052.94	4105.94	5950.24	1211.84	-101.22	6180.77	160.13	38.77	PASS
4313.00†	4201.56	-219.73	755.99	4148.56	4201.56	5950.24	1211.84	-101.47	6186.78	163.23	38.06	PASS
4413.00†	4297.19	-227.89	784.08	4244.19	4297.19	5950.24	1211.84	-101.73	6192.92	166.34	37.38	PASS
4513.00†	4392.81	-236.06	812.18	4339.81	4392.81	5950.24	1211.84	-101.98	6199.19	169.46	36.73	PASS
4613.00†	4488.43	-244.22	840.27	4435.43	4488.43	5950.24	1211.84	-102.23	6205.59	172.59	36.10	PASS
4713.00†	4584.06	-252.39	868.37	4531.06	4584.06	5950.24	1211.84	-102.49	6212.13	175.73	35.49	PASS
4813.00†	4679.68	-260.55	896.46	4626.68	4679.68	5950.24	1211.84	-102.74	6218.79	178.87	34.90	PASS
4913.00†	4775.31	-268.72	924.56	4722.31	4775.31	5950.24	1211.84	-102.99	6225.59	182.02	34.33	PASS
5013.00†	4870.93	-276.89	952.65	4817.93	4870.93	5950.24	1211.84	-103.24	6232.51	185.17	33.78	PASS
5113.00†	4966.56	-285.05	980.74	4913.56	4966.56	5950.24	1211.84	-103.49	6239.57	188.33	33.25	PASS
5213.00†	5062.18	-293.22	1008.84	5009.18	5062.18	5950.24	1211.84	-103.74	6246.75	191.49	32.74	PASS
5313.00†	5157.80	-301.38	1036.93	5104.80	5157.80	5950.24	1211.84	-103.99	6254.07	194.66	32.24	PASS
5413.00†	5253.43	-309.55	1065.03	5200.43	5253.43	5950.24	1211.84	-104.24	6261.51	197.83	31.76	PASS
5513.00†	5349.05	-317.71	1093.12	5296.05	5349.05	5950.24	1211.84	-104.49	6269.08	201.01	31.30	PASS
5613.00†	5444.68	-325.88	1121.22	5391.68	5444.68	5950.24	1211.84	-104.74	6276.77	204.19	30.84	PASS
5713.00†	5540.30	-334.04	1149.31	5487.30	5540.30	5950.24	1211.84	-104.98	6284.59	207.37	30.41	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 53 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.18-T01S-R65W Slot: SLOT#01 EX TRACY #1 (990'FSL & 1650'FEL, SEC.18, PR,8150) Well: TRACY #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
5813.00†	5635.93	-342.21	1177.41	5582.93	5635.93	5950.24	1211.84	-105.23	6292.54	210.55	29.98	PASS
5913.00†	5731.55	-350.38	1205.50	5678.55	5731.55	5950.24	1211.84	-105.48	6300.62	213.74	29.57	PASS
6013.00†	5827.17	-358.54	1233.60	5774.17	5827.17	5950.24	1211.84	-105.72	6308.82	216.92	29.18	PASS
6113.00†	5922.80	-366.71	1261.69	5869.80	5922.80	5950.24	1211.84	-105.97	6317.14	220.11	28.79	PASS
6213.00†	6018.42	-374.87	1289.79	5965.42	6018.42	5950.24	1211.84	-106.21	6325.59	223.30	28.41	PASS
6313.00†	6114.05	-383.04	1317.88	6061.05	6114.05	5950.24	1211.84	-106.46	6334.16	226.49	28.05	PASS
6413.00†	6209.67	-391.20	1345.98	6156.67	6209.67	5950.24	1211.84	-106.70	6342.86	229.69	27.70	PASS
6513.00†	6305.30	-399.37	1374.07	6252.30	6305.30	5950.24	1211.84	-106.94	6351.68	232.88	27.35	PASS
6613.00†	6400.92	-407.54	1402.17	6347.92	6400.92	5950.24	1211.84	-107.18	6360.62	236.07	27.02	PASS
6713.00†	6496.54	-415.70	1430.26	6443.54	6496.54	5950.24	1211.84	-107.43	6369.68	239.26	26.70	PASS
6813.00†	6592.17	-423.87	1458.35	6539.17	6592.17	5950.24	1211.84	-107.67	6378.87	242.46	26.38	PASS
6913.00†	6687.79	-432.03	1486.45	6634.79	6687.79	5950.24	1211.84	-107.91	6388.18	245.65	26.08	PASS
7013.00†	6783.42	-440.20	1514.54	6730.42	6783.42	5950.24	1211.84	-108.15	6397.60	248.85	25.78	PASS
7113.00†	6879.04	-448.36	1542.64	6826.04	6879.04	5950.24	1211.84	-108.39	6407.15	252.04	25.49	PASS
7213.00†	6974.67	-456.53	1570.73	6921.67	6974.67	5950.24	1211.84	-108.62	6416.81	255.23	25.21	PASS
7263.34	7022.81	-460.64	1584.88	6969.81	7022.81	5950.24	1211.84	-108.74	6421.72	256.84	25.07	PASS
7313.00†	7070.40	-462.55	1598.87	7017.40	7070.40	5950.24	1211.84	-92.36	6424.45	258.43	24.92	PASS
7413.00†	7165.80	-453.35	1626.94	7112.80	7165.80	5950.24	1211.84	-62.38	6417.03	261.83	24.57	PASS
7513.00†	7258.21	-427.03	1654.17	7205.21	7258.21	5950.24	1211.84	-44.42	6392.59	265.49	24.14	PASS
7613.00†	7344.83	-384.38	1679.75	7291.83	7344.83	5950.24	1211.84	-35.01	6351.87	268.89	23.68	PASS
7713.00†	7423.00	-326.69	1702.88	7370.00	7423.00	5950.24	1211.84	-30.13	6296.11	271.88	23.22	PASS
7813.00†	7490.38	-255.72	1722.86	7437.38	7490.38	5950.24	1211.84	-27.97	6226.97	274.42	22.75	PASS
7913.00†	7544.89	-173.63	1739.09	7491.89	7544.89	5950.24	1211.84	-28.04	6146.53	276.45	22.29	PASS
8013.00†	7584.90	-82.91	1751.08	7531.90	7584.90	5950.24	1211.84	-31.06	6057.20	277.95	21.85	PASS
8113.00†	7609.18	13.69	1758.46	7556.18	7609.18	5950.24	1211.84	-41.63	5961.66	278.92	21.43	PASS
8209.78	7617.00	110.00	1761.00	7564.00	7617.00	5950.24	1211.84	-90.00	5866.00	279.36	21.05	PASS
8213.00†	7617.00	113.22	1761.01	7564.00	7617.00	5950.24	1211.84	-90.00	5862.79	279.37	21.04	PASS
8313.00†	7617.00	213.22	1761.26	7564.00	7617.00	5950.24	1211.84	-90.00	5763.27	279.58	20.66	PASS
8413.00†	7617.00	313.22	1761.51	7564.00	7617.00	5950.24	1211.84	-90.00	5663.75	279.79	20.29	PASS
8513.00†	7617.00	413.22	1761.75	7564.00	7617.00	5950.24	1211.84	-90.00	5564.26	280.02	19.92	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 54 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.18-T01S-R65W Slot: SLOT#01 EX TRACY #1 (990'FSL & 1650'FEL, SEC.18, PR,8150) Well: TRACY #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
8613.00†	7617.00	513.22	1762.00	7564.00	7617.00	5950.24	1211.84	-90.00	5464.78	280.26	19.55	PASS
8713.00†	7617.00	613.22	1762.25	7564.00	7617.00	5950.24	1211.84	-90.00	5365.33	280.50	19.17	PASS
8813.00†	7617.00	713.22	1762.50	7564.00	7617.00	5950.24	1211.84	-90.00	5265.89	280.76	18.80	PASS
8913.00†	7617.00	813.22	1762.75	7564.00	7617.00	5950.24	1211.84	-90.00	5166.48	281.03	18.43	PASS
9013.00†	7617.00	913.22	1763.00	7564.00	7617.00	5950.24	1211.84	-90.00	5067.08	281.31	18.06	PASS
9113.00†	7617.00	1013.22	1763.25	7564.00	7617.00	5950.24	1211.84	-90.00	4967.72	281.60	17.68	PASS
9213.00†	7617.00	1113.22	1763.50	7564.00	7617.00	5950.24	1211.84	-90.00	4868.38	281.90	17.31	PASS
9313.00†	7617.00	1213.22	1763.75	7564.00	7617.00	5950.24	1211.84	-90.00	4769.06	282.22	16.94	PASS
9413.00†	7617.00	1313.22	1763.99	7564.00	7617.00	5950.24	1211.84	-90.00	4669.78	282.56	16.57	PASS
9513.00†	7617.00	1413.22	1764.24	7564.00	7617.00	5950.24	1211.84	-90.00	4570.53	282.91	16.19	PASS
9613.00†	7617.00	1513.22	1764.49	7564.00	7617.00	5950.24	1211.84	-90.00	4471.31	283.28	15.82	PASS
9713.00†	7617.00	1613.22	1764.74	7564.00	7617.00	5950.24	1211.84	-90.00	4372.12	283.66	15.45	PASS
9813.00†	7617.00	1713.22	1764.99	7564.00	7617.00	5950.24	1211.84	-90.00	4272.98	284.07	15.08	PASS
9913.00†	7617.00	1813.22	1765.24	7564.00	7617.00	5950.24	1211.84	-90.00	4173.87	284.49	14.71	PASS
10013.00†	7617.00	1913.21	1765.49	7564.00	7617.00	5950.24	1211.84	-90.00	4074.81	284.94	14.33	PASS
10113.00†	7617.00	2013.21	1765.74	7564.00	7617.00	5950.24	1211.84	-90.00	3975.80	285.41	13.96	PASS
10213.00†	7617.00	2113.21	1765.99	7564.00	7617.00	5950.24	1211.84	-90.00	3876.83	285.91	13.59	PASS
10313.00†	7617.00	2213.21	1766.23	7564.00	7617.00	5950.24	1211.84	-90.00	3777.92	286.43	13.22	PASS
10413.00†	7617.00	2313.21	1766.48	7564.00	7617.00	5950.24	1211.84	-90.00	3679.07	286.99	12.85	PASS
10513.00†	7617.00	2413.21	1766.73	7564.00	7617.00	5950.24	1211.84	-90.00	3580.29	287.58	12.48	PASS
10613.00†	7617.00	2513.21	1766.98	7564.00	7617.00	5950.24	1211.84	-90.00	3481.57	288.20	12.11	PASS
10713.00†	7617.00	2613.21	1767.23	7564.00	7617.00	5950.24	1211.84	-90.00	3382.93	288.86	11.74	PASS
10813.00†	7617.00	2713.21	1767.48	7564.00	7617.00	5950.24	1211.84	-90.00	3284.37	289.56	11.37	PASS
10913.00†	7617.00	2813.21	1767.73	7564.00	7617.00	5950.24	1211.84	-90.00	3185.90	290.31	11.00	PASS
11013.00†	7617.00	2913.21	1767.98	7564.00	7617.00	5950.24	1211.84	-90.00	3087.53	291.11	10.63	PASS
11113.00†	7617.00	3013.21	1768.23	7564.00	7617.00	5950.24	1211.84	-90.00	2989.26	291.97	10.26	PASS
11213.00†	7617.00	3113.21	1768.47	7564.00	7617.00	5950.24	1211.84	-90.00	2891.12	292.88	9.89	PASS
11313.00†	7617.00	3213.21	1768.72	7564.00	7617.00	5950.24	1211.84	-90.00	2793.10	293.86	9.53	PASS
11413.00†	7617.00	3313.21	1768.97	7564.00	7617.00	5950.24	1211.84	-90.00	2695.24	294.92	9.16	PASS
11513.00†	7617.00	3413.21	1769.22	7564.00	7617.00	5950.24	1211.84	-90.00	2597.53	296.06	8.79	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 55 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.18-T01S-R65W Slot: SLOT#01 EX TRACY #1 (990'FSL & 1650'FEL, SEC.18, PR,8150) Well: TRACY #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
11613.00†	7617.00	3513.21	1769.47	7564.00	7617.00	5950.24	1211.84	-90.00	2500.01	297.29	8.43	PASS
11713.00†	7617.00	3613.21	1769.72	7564.00	7617.00	5950.24	1211.84	-90.00	2402.69	298.63	8.06	PASS
11813.00†	7617.00	3713.21	1769.97	7564.00	7617.00	5950.24	1211.84	-90.00	2305.60	300.08	7.70	PASS
11913.00†	7617.00	3813.21	1770.22	7564.00	7617.00	5950.24	1211.84	-90.00	2208.77	301.66	7.34	PASS
12013.00†	7617.00	3913.21	1770.47	7564.00	7617.00	5950.24	1211.84	-90.00	2112.24	303.39	6.98	PASS
12113.00†	7617.00	4013.21	1770.71	7564.00	7617.00	5950.24	1211.84	-90.00	2016.04	305.28	6.62	PASS
12213.00†	7617.00	4113.21	1770.96	7564.00	7617.00	5950.24	1211.84	-90.00	1920.23	307.37	6.26	PASS
12313.00†	7617.00	4213.21	1771.21	7564.00	7617.00	5950.24	1211.84	-90.00	1824.88	309.68	5.90	PASS
12413.00†	7617.00	4313.21	1771.46	7564.00	7617.00	5950.24	1211.84	-90.00	1730.04	312.23	5.55	PASS
12513.00†	7617.00	4413.21	1771.71	7564.00	7617.00	5950.24	1211.84	-90.00	1635.82	315.08	5.20	PASS
12613.00†	7617.00	4513.21	1771.96	7564.00	7617.00	5950.24	1211.84	-90.00	1542.33	318.26	4.85	PASS
12713.00†	7617.00	4613.21	1772.21	7564.00	7617.00	5950.24	1211.84	-90.00	1449.71	321.82	4.51	PASS
12813.00†	7617.00	4713.21	1772.46	7564.00	7617.00	5950.24	1211.84	-90.00	1358.14	325.84	4.18	PASS
12913.00†	7617.00	4813.21	1772.71	7564.00	7617.00	5950.24	1211.84	-90.00	1267.84	330.37	3.84	PASS
13013.00†	7617.00	4913.21	1772.95	7564.00	7617.00	5950.24	1211.84	-90.00	1179.10	335.50	3.52	PASS
13113.00†	7617.00	5013.21	1773.20	7564.00	7617.00	5950.24	1211.84	-90.00	1092.32	341.31	3.20	PASS
13213.00†	7617.00	5113.20	1773.45	7564.00	7617.00	5950.24	1211.84	-90.00	1007.98	347.89	2.90	PASS
13313.00†	7617.00	5213.20	1773.70	7564.00	7617.00	5950.24	1211.84	-90.00	926.77	355.30	2.61	PASS
13413.00†	7617.00	5313.20	1773.95	7564.00	7617.00	5950.24	1211.84	-90.00	849.58	363.54	2.34	PASS
13513.00†	7617.00	5413.20	1774.20	7564.00	7617.00	5950.24	1211.84	-90.00	777.59	372.49	2.09	PASS
13613.00†	7617.00	5513.20	1774.45	7564.00	7617.00	5950.24	1211.84	-90.00	712.41	381.80	1.87	PASS
13713.00†	7617.00	5613.20	1774.70	7564.00	7617.00	5950.24	1211.84	-90.00	656.05	390.73	1.68	PASS
13813.00†	7617.00	5713.20	1774.95	7564.00	7617.00	5950.24	1211.84	-90.00	610.96	398.03	1.54	PASS
13913.00†	7617.00	5813.20	1775.19	7564.00	7617.00	5950.24	1211.84	-90.00	579.78	402.03	1.44	PASS
14013.00†	7617.00	5913.20	1775.44	7564.00	7617.00	5950.24	1211.84	-90.00	564.82	401.11	1.41	PASS
14048.29†	7617.00	5948.49	1775.53	7565.41	7618.41	5950.24	1211.84	-90.14	563.70	399.50	1.41	PASS
14113.00†	7617.00	6013.20	1775.69	7564.00	7617.00	5950.24	1211.84	-90.00	567.36	394.59	1.44	PASS
14213.00†	7617.00	6113.20	1775.94	7564.00	7617.00	5950.24	1211.84	-90.00	587.17	383.22	1.53	PASS
14313.00†	7617.00	6213.20	1776.19	7564.00	7617.00	5950.24	1211.84	-90.00	622.61	368.92	1.69	PASS
14413.00†	7617.00	6313.20	1776.44	7564.00	7617.00	5950.24	1211.84	-90.00	671.20	353.74	1.90	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 56 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.18-T01S-R65W Slot: SLOT#01 EX TRACY #1 (990'FSL & 1650'FEL, SEC.18, PR,8150)						Well: TRACY #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
14513.00†	7617.00	6413.20	1776.69	7564.00	7617.00	5950.24	1211.84	-90.00	730.33	339.19	2.16	PASS
14613.00†	7617.00	6513.20	1776.94	7564.00	7617.00	5950.24	1211.84	-90.00	797.66	326.12	2.45	PASS
14713.00†	7617.00	6613.20	1777.19	7564.00	7617.00	5950.24	1211.84	-90.00	871.28	314.80	2.77	PASS
14813.00†	7617.00	6713.20	1777.43	7564.00	7617.00	5950.24	1211.84	-90.00	949.74	305.24	3.12	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	8150.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL <8150>	TRACY #1 AWB

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

MD Reference: Rig on SLOT#01 EX TRACY #1 (990'FSL & 1650'FEL, SEC.18, PR,8150) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 57 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-3NXH PWB Offset Wellpath: CONNER 19-18-3NXH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#10 CONNER 19-18-3NXH (350'FSL & 1930'FWL, SEC.19) Well: CONNER 19-18-3NXH 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
13.00	13.00	0.00	0.00	13.00	13.00	0.00	-44.86	-90.00	44.86	1.40	73.43	PASS
113.00†	113.00	0.00	0.00	113.00	113.00	0.00	-44.86	-90.00	44.86	1.88	40.78	PASS
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-44.86	-90.00	44.86	2.67	23.57	PASS
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-44.86	-90.00	44.86	3.50	16.34	PASS
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-44.86	-90.00	44.86	4.34	12.46	PASS
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-44.86	-90.00	44.86	5.18	10.06	PASS
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-44.86	-90.00	44.86	6.03	8.43	PASS
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-44.86	-90.00	44.86	6.36	7.81	PASS
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	-44.86	-90.00	44.86	6.49	7.63	PASS
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	-44.86	-90.00	44.86	6.81	7.23	PASS
1013.00†	1013.00	0.00	0.00	1013.00	1013.00	0.00	-44.86	-90.00	44.86	7.29	6.71	PASS
1113.00†	1113.00	0.00	0.00	1113.00	1113.00	0.00	-44.86	-90.00	44.86	7.88	6.15	PASS
1200.00	1200.00	0.00	0.00	1200.00	1200.00	0.00	-44.86	-90.00	44.86	8.48	5.68	PASS
1213.00†	1213.00	-0.01	0.03	1213.00	1213.00	0.00	-44.86	163.80	44.89	8.57	5.62	PASS
1313.00†	1312.97	-0.62	2.14	1312.97	1312.97	0.00	-44.86	164.54	47.01	9.41	5.32	PASS
1413.00†	1412.80	-2.21	7.60	1412.80	1412.80	0.00	-44.86	166.17	52.51	10.49	5.30	PASS
1513.00†	1512.38	-4.77	16.40	1512.63	1512.63	-0.01	-44.84	168.17	61.42	11.58	5.59	PASS
1613.00†	1611.57	-8.29	28.54	1614.34	1614.31	-0.90	-42.76	169.67	71.74	12.74	5.90	PASS
1713.00†	1710.26	-12.79	43.99	1716.41	1716.21	-3.21	-37.35	170.48	82.12	14.06	6.10	PASS
1813.00†	1808.33	-18.23	62.74	1818.87	1818.21	-6.97	-28.56	170.83	92.52	15.34	6.28	PASS
1913.00†	1905.66	-24.64	84.76	1921.70	1920.18	-12.18	-16.38	170.86	102.93	16.59	6.44	PASS
2013.00†	2002.13	-31.98	110.04	2024.90	2021.97	-18.85	-0.77	170.65	113.33	17.81	6.59	PASS
2050.60	2038.16	-34.99	120.37	2063.31	2059.69	-21.69	5.87	170.52	117.26	18.21	6.66	PASS
2113.00†	2097.83	-40.08	137.90	2125.34	2120.58	-26.36	16.78	170.37	124.00	18.79	6.82	PASS
2213.00†	2193.45	-48.25	166.00	2224.75	2218.15	-33.83	34.26	170.15	134.81	19.74	7.05	PASS
2313.00†	2289.08	-56.41	194.09	2324.16	2315.73	-41.31	51.74	169.97	145.61	20.73	7.24	PASS
2413.00†	2384.70	-64.58	222.19	2423.58	2413.31	-48.78	69.22	169.81	156.42	21.73	7.41	PASS
2513.00†	2480.32	-72.74	250.28	2522.99	2510.89	-56.25	86.70	169.67	167.23	22.76	7.55	PASS
2613.00†	2575.95	-80.91	278.38	2622.41	2608.47	-63.73	104.18	169.54	178.04	23.81	7.67	PASS
2713.00†	2671.57	-89.08	306.47	2721.82	2706.05	-71.20	121.66	169.44	188.85	24.88	7.78	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 58 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-3NXH PWB Offset Wellpath: CONNER 19-18-3NXH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W		Slot: SLOT#10 CONNER 19-18-3NXH (350'FSL & 1930'FWL, SEC.19)				Well: CONNER 19-18-3NXH		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
2813.00†	2767.20	-97.24	334.57	2821.23	2803.63	-78.68	139.14	169.34		199.66	25.97	7.88	PASS
2913.00†	2862.82	-105.41	362.66	2920.65	2901.21	-86.15	156.62	169.25		210.47	27.07	7.96	PASS
3013.00†	2958.45	-113.57	390.76	3020.06	2998.78	-93.63	174.10	169.18		221.28	28.18	8.03	PASS
3113.00†	3054.07	-121.74	418.85	3119.47	3096.36	-101.10	191.58	169.10		232.09	29.30	8.09	PASS
3213.00†	3149.69	-129.90	446.94	3218.89	3193.94	-108.57	209.06	169.04		242.91	30.43	8.15	PASS
3313.00†	3245.32	-138.07	475.04	3318.30	3291.52	-116.05	226.54	168.98		253.72	31.57	8.20	PASS
3413.00†	3340.94	-146.23	503.13	3417.71	3389.10	-123.52	244.02	168.93		264.53	32.72	8.24	PASS
3513.00†	3436.57	-154.40	531.23	3517.13	3486.68	-131.00	261.50	168.88		275.34	33.87	8.28	PASS
3613.00†	3532.19	-162.57	559.32	3616.54	3584.26	-138.47	278.98	168.83		286.16	35.03	8.32	PASS
3713.00†	3627.82	-170.73	587.42	3715.95	3681.84	-145.95	296.46	168.79		296.97	36.20	8.35	PASS
3813.00†	3723.44	-178.90	615.51	3815.37	3779.41	-153.42	313.94	168.75		307.78	37.37	8.38	PASS
3913.00†	3819.06	-187.06	643.61	3914.78	3876.99	-160.89	331.42	168.71		318.60	38.55	8.40	PASS
4013.00†	3914.69	-195.23	671.70	4014.19	3974.57	-168.37	348.89	168.68		329.41	39.73	8.42	PASS
4113.00†	4010.31	-203.39	699.80	4113.61	4072.15	-175.84	366.37	168.64		340.23	40.91	8.45	PASS
4213.00†	4105.94	-211.56	727.89	4213.02	4169.73	-183.32	383.85	168.61		351.04	42.10	8.46	PASS
4313.00†	4201.56	-219.73	755.99	4312.43	4267.31	-190.79	401.33	168.59		361.85	43.29	8.48	PASS
4413.00†	4297.19	-227.89	784.08	4411.85	4364.89	-198.27	418.81	168.56		372.67	44.48	8.50	PASS
4513.00†	4392.81	-236.06	812.18	4511.26	4462.47	-205.74	436.29	168.53		383.48	45.68	8.51	PASS
4613.00†	4488.43	-244.22	840.27	4610.67	4560.04	-213.21	453.77	168.51		394.30	46.87	8.53	PASS
4713.00†	4584.06	-252.39	868.37	4710.09	4657.62	-220.69	471.25	168.49		405.11	48.07	8.54	PASS
4813.00†	4679.68	-260.55	896.46	4809.50	4755.20	-228.16	488.73	168.46		415.93	49.28	8.55	PASS
4913.00†	4775.31	-268.72	924.56	4908.91	4852.78	-235.64	506.21	168.44		426.74	50.48	8.56	PASS
5013.00†	4870.93	-276.89	952.65	5008.33	4950.36	-243.11	523.69	168.42		437.55	51.69	8.57	PASS
5113.00†	4966.56	-285.05	980.74	5107.74	5047.94	-250.59	541.17	168.41		448.37	52.89	8.58	PASS
5213.00†	5062.18	-293.22	1008.84	5207.15	5145.52	-258.06	558.65	168.39		459.18	54.10	8.59	PASS
5313.00†	5157.80	-301.38	1036.93	5306.57	5243.10	-265.53	576.13	168.37		470.00	55.32	8.59	PASS
5413.00†	5253.43	-309.55	1065.03	5405.98	5340.67	-273.01	593.61	168.36		480.81	56.53	8.60	PASS
5513.00†	5349.05	-317.71	1093.12	5505.39	5438.25	-280.48	611.09	168.34		491.63	57.74	8.61	PASS
5613.00†	5444.68	-325.88	1121.22	5604.81	5535.83	-287.96	628.57	168.33		502.44	58.96	8.61	PASS
5713.00†	5540.30	-334.04	1149.31	5704.22	5633.41	-295.43	646.05	168.31		513.26	60.17	8.62	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 59 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-3NXH PWB Offset Wellpath: CONNER 19-18-3NXH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#10 CONNER 19-18-3NXH (350'FSL & 1930'FWL, SEC.19) Well: CONNER 19-18-3NXH 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
5813.00†	5635.93	-342.21	1177.41	5803.63	5730.99	-302.91	663.53	168.30	524.07	61.39	8.62	PASS
5913.00†	5731.55	-350.38	1205.50	5903.05	5828.57	-310.38	681.01	168.28	534.89	62.61	8.63	PASS
6013.00†	5827.17	-358.54	1233.60	6002.46	5926.15	-317.85	698.49	168.27	545.70	63.83	8.63	PASS
6113.00†	5922.80	-366.71	1261.69	6101.87	6023.73	-325.33	715.97	168.26	556.52	65.05	8.64	PASS
6213.00†	6018.42	-374.87	1289.79	6201.29	6121.31	-332.80	733.45	168.25	567.33	66.27	8.64	PASS
6313.00†	6114.05	-383.04	1317.88	6300.70	6218.88	-340.28	750.93	168.24	578.15	67.49	8.65	PASS
6413.00†	6209.67	-391.20	1345.98	6400.11	6316.46	-347.75	768.41	168.23	588.96	68.71	8.65	PASS
6513.00†	6305.30	-399.37	1374.07	6499.53	6414.04	-355.23	785.89	168.22	599.78	69.94	8.65	PASS
6613.00†	6400.92	-407.54	1402.17	6598.94	6511.62	-362.70	803.37	168.21	610.59	71.16	8.66	PASS
6713.00†	6496.54	-415.70	1430.26	6698.35	6609.20	-370.17	820.85	168.20	621.41	72.39	8.66	PASS
6813.00†	6592.17	-423.87	1458.35	6790.90	6700.19	-371.47	837.16	168.70	632.69	73.27	8.71	PASS
6913.00†	6687.79	-432.03	1486.45	6878.46	6785.42	-359.10	852.48	170.37	645.58	73.93	8.81	PASS
7013.00†	6783.42	-440.20	1514.54	6958.50	6860.89	-336.37	866.07	172.83	661.28	77.13	8.64	PASS
7113.00†	6879.04	-448.36	1542.64	7029.29	6924.46	-307.54	877.55	175.64	681.35	74.46	9.23	PASS
7213.00†	6974.67	-456.53	1570.73	7090.55	6976.30	-276.32	886.93	178.49	707.15	74.57	9.56	PASS
7263.34	7022.81	-460.64	1584.88	7117.98	6998.38	-260.56	890.93	179.87	722.63	74.61	9.77	PASS
7313.00†	7070.40	-462.55	1598.87	7143.93	7018.56	-244.67	894.59	-160.71	739.03	74.60	9.99	PASS
7413.00†	7165.80	-453.35	1626.94	7195.99	7056.82	-210.08	901.54	-124.89	772.83	74.61	10.45	PASS
7513.00†	7258.21	-427.03	1654.17	7247.86	7091.71	-172.25	907.90	-101.60	805.96	74.71	10.88	PASS
7613.00†	7344.83	-384.38	1679.75	7299.61	7123.01	-131.47	913.62	-87.44	836.73	74.58	11.32	PASS
7713.00†	7423.00	-326.69	1702.88	7351.27	7150.53	-88.05	918.67	-78.34	863.81	74.21	11.74	PASS
7813.00†	7490.38	-255.72	1722.86	7402.89	7174.06	-42.33	923.01	-72.28	886.20	73.71	12.13	PASS
7913.00†	7544.89	-173.63	1739.09	7454.49	7193.44	5.33	926.61	-68.28	903.15	73.22	12.45	PASS
8013.00†	7584.90	-82.91	1751.08	7506.07	7208.53	54.56	929.44	-65.83	914.14	72.85	12.66	PASS
8113.00†	7609.18	13.69	1758.46	7557.66	7219.19	104.97	931.49	-64.69	918.86	72.72	12.75	PASS
8209.78	7617.00	110.00	1761.00	7607.60	7225.22	154.52	932.70	-64.69	917.36	72.89	12.70	PASS
8213.00†	7617.00	113.22	1761.01	7609.26	7225.35	156.18	932.73	-64.70	917.22	72.89	12.70	PASS
8313.00†	7617.00	213.22	1761.26	7668.52	7227.00	215.39	933.18	-64.78	915.32	72.84	12.68	PASS
8413.00†	7617.00	313.22	1761.51	7768.52	7227.00	315.39	933.44	-64.78	915.31	74.11	12.46	PASS
8513.00†	7617.00	413.22	1761.75	7868.52	7227.00	415.39	933.70	-64.78	915.30	75.83	12.17	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 60 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-3NXH PWB Offset Wellpath: CONNER 19-18-3NXH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#10 CONNER 19-18-3NXH (350'FSL & 1930'FWL, SEC.19) Well: CONNER 19-18-3NXH 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
8613.00†	7617.00	513.22	1762.00	7968.52	7227.00	515.39	933.96	-64.78	915.29	77.97	11.84	PASS
8713.00†	7617.00	613.22	1762.25	8068.52	7227.00	615.39	934.23	-64.78	915.28	80.48	11.46	PASS
8813.00†	7617.00	713.22	1762.50	8168.52	7227.00	715.39	934.49	-64.78	915.26	87.67	10.52	PASS
8913.00†	7617.00	813.22	1762.75	8268.52	7227.00	815.39	934.75	-64.78	915.25	86.48	10.66	PASS
9013.00†	7617.00	913.22	1763.00	8368.52	7227.00	915.39	935.01	-64.78	915.24	89.89	10.25	PASS
9113.00†	7617.00	1013.22	1763.25	8468.52	7227.00	1015.39	935.28	-64.78	915.23	93.55	9.85	PASS
9213.00†	7617.00	1113.22	1763.50	8568.52	7227.00	1115.39	935.54	-64.78	915.22	97.42	9.46	PASS
9313.00†	7617.00	1213.22	1763.75	8668.52	7227.00	1215.39	935.80	-64.78	915.20	101.48	9.07	PASS
9413.00†	7617.00	1313.22	1763.99	8768.52	7227.00	1315.39	936.06	-64.78	915.19	105.71	8.71	PASS
9513.00†	7617.00	1413.22	1764.24	8868.52	7227.00	1415.39	936.33	-64.78	915.18	110.09	8.36	PASS
9613.00†	7617.00	1513.22	1764.49	8968.52	7227.00	1515.39	936.59	-64.78	915.17	114.59	8.03	PASS
9713.00†	7617.00	1613.22	1764.74	9068.52	7227.00	1615.39	936.85	-64.78	915.16	119.21	7.72	PASS
9813.00†	7617.00	1713.22	1764.99	9168.52	7227.00	1715.39	937.11	-64.78	915.14	123.93	7.42	PASS
9913.00†	7617.00	1813.22	1765.24	9268.52	7227.00	1815.39	937.37	-64.78	915.13	128.74	7.14	PASS
10013.00†	7617.00	1913.21	1765.49	9368.52	7227.00	1915.39	937.64	-64.78	915.12	133.64	6.88	PASS
10113.00†	7617.00	2013.21	1765.74	9468.52	7227.00	2015.39	937.90	-64.78	915.11	138.61	6.63	PASS
10213.00†	7617.00	2113.21	1765.99	9568.52	7227.00	2115.39	938.16	-64.77	915.09	143.64	6.40	PASS
10313.00†	7617.00	2213.21	1766.23	9668.52	7227.00	2215.38	938.42	-64.77	915.08	148.73	6.18	PASS
10413.00†	7617.00	2313.21	1766.48	9768.52	7227.00	2315.38	938.69	-64.77	915.07	153.87	5.97	PASS
10513.00†	7617.00	2413.21	1766.73	9868.52	7227.00	2415.38	938.95	-64.77	915.06	159.06	5.77	PASS
10613.00†	7617.00	2513.21	1766.98	9968.52	7227.00	2515.38	939.21	-64.77	915.05	164.30	5.59	PASS
10713.00†	7617.00	2613.21	1767.23	10068.52	7227.00	2615.38	939.47	-64.77	915.03	169.57	5.41	PASS
10813.00†	7617.00	2713.21	1767.48	10168.52	7227.00	2715.38	939.73	-64.77	915.02	174.88	5.25	PASS
10913.00†	7617.00	2813.21	1767.73	10268.52	7227.00	2815.38	940.00	-64.77	915.01	180.22	5.09	PASS
11013.00†	7617.00	2913.21	1767.98	10368.52	7227.00	2915.38	940.26	-64.77	915.00	185.59	4.95	PASS
11113.00†	7617.00	3013.21	1768.23	10468.52	7227.00	3015.38	940.52	-64.77	914.99	190.99	4.80	PASS
11213.00†	7617.00	3113.21	1768.47	10568.52	7227.00	3115.38	940.78	-64.77	914.97	196.41	4.67	PASS
11313.00†	7617.00	3213.21	1768.72	10668.52	7227.00	3215.38	941.05	-64.77	914.96	201.85	4.55	PASS
11413.00†	7617.00	3313.21	1768.97	10768.52	7227.00	3315.38	941.31	-64.77	914.95	207.32	4.42	PASS
11513.00†	7617.00	3413.21	1769.22	10868.52	7227.00	3415.38	941.57	-64.77	914.94	212.80	4.31	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 61 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-3NXH PWB Offset Wellpath: CONNER 19-18-3NXH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#10 CONNER 19-18-3NXH (350'FSL & 1930'FWL, SEC.19) Well: CONNER 19-18-3NXH 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
11613.00†	7617.00	3513.21	1769.47	10968.52	7227.00	3515.38	941.83	-64.77	914.93	218.31	4.20	PASS
11713.00†	7617.00	3613.21	1769.72	11068.52	7227.00	3615.38	942.10	-64.77	914.91	223.83	4.10	PASS
11813.00†	7617.00	3713.21	1769.97	11168.52	7227.00	3715.38	942.36	-64.77	914.90	229.36	4.00	PASS
11913.00†	7617.00	3813.21	1770.22	11268.52	7227.00	3815.38	942.62	-64.77	914.89	234.91	3.90	PASS
12013.00†	7617.00	3913.21	1770.47	11368.52	7227.00	3915.38	942.88	-64.77	914.88	240.47	3.81	PASS
12113.00†	7617.00	4013.21	1770.71	11468.52	7227.00	4015.38	943.14	-64.77	914.86	246.05	3.73	PASS
12213.00†	7617.00	4113.21	1770.96	11568.52	7227.00	4115.38	943.41	-64.77	914.85	251.63	3.64	PASS
12313.00†	7617.00	4213.21	1771.21	11668.52	7227.00	4215.38	943.67	-64.77	914.84	257.23	3.56	PASS
12413.00†	7617.00	4313.21	1771.46	11768.52	7227.00	4315.38	943.93	-64.77	914.83	262.83	3.49	PASS
12513.00†	7617.00	4413.21	1771.71	11868.52	7227.00	4415.38	944.19	-64.77	914.82	268.45	3.41	PASS
12613.00†	7617.00	4513.21	1771.96	11968.52	7227.00	4515.38	944.46	-64.77	914.80	274.08	3.34	PASS
12713.00†	7617.00	4613.21	1772.21	12068.52	7227.00	4615.38	944.72	-64.77	914.79	279.71	3.28	PASS
12813.00†	7617.00	4713.21	1772.46	12168.52	7227.00	4715.38	944.98	-64.77	914.78	285.35	3.21	PASS
12913.00†	7617.00	4813.21	1772.71	12268.52	7227.00	4815.38	945.24	-64.77	914.77	291.00	3.15	PASS
13013.00†	7617.00	4913.21	1772.95	12368.52	7227.00	4915.38	945.50	-64.76	914.76	296.65	3.09	PASS
13113.00†	7617.00	5013.21	1773.20	12468.52	7227.00	5015.38	945.77	-64.76	914.74	302.32	3.03	PASS
13213.00†	7617.00	5113.20	1773.45	12568.52	7227.00	5115.37	946.03	-64.76	914.73	307.98	2.97	PASS
13313.00†	7617.00	5213.20	1773.70	12668.52	7227.00	5215.37	946.29	-64.76	914.72	313.66	2.92	PASS
13413.00†	7617.00	5313.20	1773.95	12768.52	7227.00	5315.37	946.55	-64.76	914.71	319.34	2.87	PASS
13513.00†	7617.00	5413.20	1774.20	12868.52	7227.00	5415.37	946.82	-64.76	914.70	325.02	2.82	PASS
13613.00†	7617.00	5513.20	1774.45	12968.52	7227.00	5515.37	947.08	-64.76	914.68	330.71	2.77	PASS
13713.00†	7617.00	5613.20	1774.70	13068.52	7227.00	5615.37	947.34	-64.76	914.67	336.41	2.72	PASS
13813.00†	7617.00	5713.20	1774.95	13168.52	7227.00	5715.37	947.60	-64.76	914.66	342.11	2.68	PASS
13913.00†	7617.00	5813.20	1775.19	13268.52	7227.00	5815.37	947.86	-64.76	914.65	347.81	2.63	PASS
14013.00†	7617.00	5913.20	1775.44	13368.52	7227.00	5915.37	948.13	-64.76	914.63	353.52	2.59	PASS
14113.00†	7617.00	6013.20	1775.69	13468.52	7227.00	6015.37	948.39	-64.76	914.62	359.23	2.55	PASS
14213.00†	7617.00	6113.20	1775.94	13568.52	7227.00	6115.37	948.65	-64.76	914.61	364.94	2.51	PASS
14313.00†	7617.00	6213.20	1776.19	13668.52	7227.00	6215.37	948.91	-64.76	914.60	370.66	2.47	PASS
14413.00†	7617.00	6313.20	1776.44	13768.52	7227.00	6315.37	949.18	-64.76	914.59	376.38	2.43	PASS
14513.00†	7617.00	6413.20	1776.69	13868.52	7227.00	6415.37	949.44	-64.76	914.57	382.11	2.40	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 62 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-3NXH PWB Offset Wellpath: CONNER 19-18-3NXH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#10 CONNER 19-18-3NXH (350'FSL & 1930'FWL, SEC.19) Well: CONNER 19-18-3NXH 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
14613.00†	7617.00	6513.20	1776.94	13968.52	7227.00	6515.37	949.70	-64.76	914.56	387.84	2.36	PASS
14713.00†	7617.00	6613.20	1777.19	14068.52	7227.00	6615.37	949.96	-64.76	914.55	393.57	2.33	PASS
14813.00†	7617.00	6713.20	1777.43	14168.52	7227.00	6715.37	950.23	-64.76	914.54	399.30	2.29	PASS
14913.00†	7617.00	6813.20	1777.68	14268.52	7227.00	6815.37	950.49	-64.76	914.53	405.04	2.26	PASS
15013.00†	7617.00	6913.20	1777.93	14368.52	7227.00	6915.37	950.75	-64.76	914.51	410.78	2.23	PASS
15113.00†	7617.00	7013.20	1778.18	14468.52	7227.00	7015.37	951.01	-64.76	914.50	416.52	2.20	PASS
15213.00†	7617.00	7113.20	1778.43	14568.52	7227.00	7115.37	951.27	-64.76	914.49	422.26	2.17	PASS
15313.00†	7617.00	7213.20	1778.68	14668.52	7227.00	7215.37	951.54	-64.76	914.48	428.01	2.14	PASS
15413.00†	7617.00	7313.20	1778.93	14768.52	7227.00	7315.37	951.80	-64.76	914.47	433.76	2.11	PASS
15513.00†	7617.00	7413.20	1779.18	14868.52	7227.00	7415.37	952.06	-64.76	914.45	439.51	2.08	PASS
15613.00†	7617.00	7513.20	1779.43	14968.52	7227.00	7515.37	952.32	-64.76	914.44	445.26	2.06	PASS
15713.00†	7617.00	7613.20	1779.67	15068.52	7227.00	7615.37	952.59	-64.76	914.43	451.01	2.03	PASS
15813.00†	7617.00	7713.20	1779.92	15168.52	7227.00	7715.37	952.85	-64.75	914.42	456.77	2.00	PASS
15913.00†	7617.00	7813.20	1780.17	15268.52	7227.00	7815.37	953.11	-64.75	914.41	462.53	1.98	PASS
16013.00†	7617.00	7913.20	1780.42	15368.52	7227.00	7915.37	953.37	-64.75	914.39	468.29	1.95	PASS
16113.00†	7617.00	8013.20	1780.67	15468.52	7227.00	8015.36	953.63	-64.75	914.38	474.05	1.93	PASS
16213.00†	7617.00	8113.20	1780.92	15568.52	7227.00	8115.36	953.90	-64.75	914.37	479.81	1.91	PASS
16313.00†	7617.00	8213.20	1781.17	15668.52	7227.00	8215.36	954.16	-64.75	914.36	485.57	1.88	PASS
16413.00†	7617.00	8313.19	1781.42	15768.52	7227.00	8315.36	954.42	-64.75	914.34	491.34	1.86	PASS
16513.00†	7617.00	8413.19	1781.67	15868.52	7227.00	8415.36	954.68	-64.75	914.33	497.11	1.84	PASS
16613.00†	7617.00	8513.19	1781.91	15968.52	7227.00	8515.36	954.95	-64.75	914.32	502.88	1.82	PASS
16713.00†	7617.00	8613.19	1782.16	16068.52	7227.00	8615.36	955.21	-64.75	914.31	508.65	1.80	PASS
16813.00†	7617.00	8713.19	1782.41	16168.52	7227.00	8715.36	955.47	-64.75	914.30	514.42	1.78	PASS
16913.00†	7617.00	8813.19	1782.66	16268.52	7227.00	8815.36	955.73	-64.75	914.28	520.19	1.76	PASS
17013.00†	7617.00	8913.19	1782.91	16368.52	7227.00	8915.36	956.00	-64.75	914.27	525.96	1.74	PASS
17113.00†	7617.00	9013.19	1783.16	16468.52	7227.00	9015.36	956.26	-64.75	914.26	531.74	1.72	PASS
17213.00†	7617.00	9113.19	1783.41	16568.52	7227.00	9115.36	956.52	-64.75	914.25	537.51	1.70	PASS
17313.00†	7617.00	9213.19	1783.66	16668.52	7227.00	9215.36	956.78	-64.75	914.24	543.29	1.68	PASS
17413.00†	7617.00	9313.19	1783.91	16768.52	7227.00	9315.36	957.04	-64.75	914.22	549.07	1.67	PASS
17513.00†	7617.00	9413.19	1784.15	16868.52	7227.00	9415.36	957.31	-64.75	914.21	554.85	1.65	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 63 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-3NXH PWB Offset Wellpath: CONNER 19-18-3NXH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#10 CONNER 19-18-3NXH (350'FSL & 1930'FWL, SEC.19) Well: CONNER 19-18-3NXH 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
17613.00†	7617.00	9513.19	1784.40	16968.52	7227.00	9515.36	957.57	-64.75	914.20	560.63	1.63	PASS
17713.00†	7617.00	9613.19	1784.65	17068.52	7227.00	9615.36	957.83	-64.75	914.19	566.41	1.61	PASS
17813.00†	7617.00	9713.19	1784.90	17168.52	7227.00	9715.36	958.09	-64.75	914.18	572.19	1.60	PASS
17913.00†	7617.00	9813.19	1785.15	17268.52	7227.00	9815.36	958.36	-64.75	914.16	577.97	1.58	PASS
17990.96†	7617.00	9891.15	1785.34	17346.49	7227.00	9893.32	958.56	-64.75	914.15	582.48	1.57	PASS
18007.75	7617.00	9907.94	1785.39	17346.49	7227.00	9893.32	958.56	-64.75	914.31	581.07	1.57	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: CONNER 19-18-3NXH PWB Offset Wellpath: CONNER 19-18-3NXH PWP (REV-A.0)

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: CONNER 19-18-3NXH PWB Offset Wellpath: CONNER 19-18-3NXH PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
9.625in Casing Surface	13.00	700.00	687.00	13.00	700.00	0.00	-27.35	0.00	-27.35
8.5in Open Hole	700.00	17346.49	16646.49	700.00	N/A	0.00	-27.35	N/A	N/A

SURVEY PROGRAM - Offset Wellbore: CONNER 19-18-3NXH PWB Offset Wellpath: CONNER 19-18-3NXH PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
13.00	700.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		CONNER 19-18-3NXH PWB
700.00	17346.49	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)		CONNER 19-18-3NXH PWB



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 64 of 103



REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: CONNER 19-18-3NXH PWB Offset Wellpath: CONNER 19-18-3NXH PWP (REV-A.0)	
MD Reference: RIG (5142'GL + 13'KB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	13.00ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 65 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-3CDH PWB Offset Wellpath: CONNER 19-18-3CDH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19) Well: CONNER 19-18-3CDH 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	
13.00	13.00	0.00	0.00	13.00	13.00	0.00	-58.88	-90.00	58.88	1.40	96.80	PASS	
113.00†	113.00	0.00	0.00	113.00	113.00	0.00	-58.88	-90.00	58.88	1.88	53.83	PASS	
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-58.88	-90.00	58.88	2.67	31.12	PASS	
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-58.88	-90.00	58.88	3.50	21.57	PASS	
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-58.88	-90.00	58.88	4.33	16.45	PASS	
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-58.88	-90.00	58.88	5.18	13.27	PASS	
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-58.88	-90.00	58.88	6.02	11.12	PASS	
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-58.88	-90.00	58.88	6.36	10.29	PASS	
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	-58.88	-90.00	58.88	6.49	10.06	PASS	
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	-58.88	-90.00	58.88	6.81	9.54	PASS	
1013.00†	1013.00	0.00	0.00	1013.00	1013.00	0.00	-58.88	-90.00	58.88	7.28	8.85	PASS	
1113.00†	1113.00	0.00	0.00	1113.00	1113.00	0.00	-58.88	-90.00	58.88	7.88	8.11	PASS	
1200.00	1200.00	0.00	0.00	1200.00	1200.00	0.00	-58.88	-90.00	58.88	8.48	7.49	PASS	
1213.00†	1213.00	-0.01	0.03	1213.00	1213.00	0.00	-58.88	163.80	58.91	8.57	7.40	PASS	
1313.00†	1312.97	-0.62	2.14	1312.97	1312.97	0.00	-58.88	164.37	61.03	9.40	6.94	PASS	
1413.00†	1412.80	-2.21	7.60	1412.80	1412.80	0.00	-58.88	165.66	66.52	10.49	6.73	PASS	
1513.00†	1512.38	-4.77	16.40	1512.38	1512.38	0.00	-58.88	167.34	75.44	11.57	6.88	PASS	
1613.00†	1611.57	-8.29	28.54	1611.89	1611.89	-0.01	-58.86	169.10	87.79	12.65	7.29	PASS	
1713.00†	1710.26	-12.79	43.99	1713.83	1713.80	-1.31	-57.04	170.18	101.74	13.80	7.72	PASS	
1813.00†	1808.33	-18.23	62.74	1816.22	1816.02	-4.71	-52.23	170.42	116.01	15.08	8.03	PASS	
1913.00†	1905.66	-24.64	84.76	1919.04	1918.38	-10.26	-44.40	170.09	130.58	16.32	8.32	PASS	
2013.00†	2002.13	-31.98	110.04	2022.26	2020.73	-17.95	-33.53	169.34	145.44	17.54	8.60	PASS	
2050.60	2038.16	-34.99	120.37	2059.91	2057.95	-21.22	-28.92	169.02	151.22	17.94	8.74	PASS	
2113.00†	2097.83	-40.08	137.90	2121.49	2118.83	-26.58	-21.34	168.59	161.19	18.52	9.01	PASS	
2213.00†	2193.45	-48.25	166.00	2220.19	2216.41	-35.18	-9.20	168.00	177.17	19.49	9.40	PASS	
2313.00†	2289.08	-56.41	194.09	2318.89	2313.98	-43.78	2.95	167.52	193.17	20.49	9.73	PASS	
2413.00†	2384.70	-64.58	222.19	2417.59	2411.55	-52.38	15.09	167.10	209.19	21.52	10.02	PASS	
2513.00†	2480.32	-72.74	250.28	2516.29	2509.12	-60.97	27.23	166.75	225.21	22.58	10.26	PASS	
2613.00†	2575.95	-80.91	278.38	2614.99	2606.69	-69.57	39.38	166.44	241.24	23.66	10.48	PASS	
2713.00†	2671.57	-89.08	306.47	2713.69	2704.26	-78.17	51.52	166.17	257.27	24.76	10.67	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 66 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-3CDH PWB Offset Wellpath: CONNER 19-18-3CDH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19) Well: CONNER 19-18-3CDH 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
2813.00†	2767.20	-97.24	334.57	2812.39	2801.83	-86.77	63.66	165.94	273.31	25.87	10.83	PASS
2913.00†	2862.82	-105.41	362.66	2911.09	2899.41	-95.37	75.80	165.73	289.35	27.00	10.98	PASS
3013.00†	2958.45	-113.57	390.76	3009.79	2996.98	-103.96	87.95	165.54	305.40	28.15	11.10	PASS
3113.00†	3054.07	-121.74	418.85	3108.49	3094.55	-112.56	100.09	165.37	321.45	29.30	11.22	PASS
3213.00†	3149.69	-129.90	446.94	3207.19	3192.12	-121.16	112.23	165.21	337.50	30.47	11.32	PASS
3313.00†	3245.32	-138.07	475.04	3305.88	3289.69	-129.76	124.38	165.07	353.56	31.65	11.41	PASS
3413.00†	3340.94	-146.23	503.13	3404.58	3387.26	-138.36	136.52	164.95	369.61	32.83	11.49	PASS
3513.00†	3436.57	-154.40	531.23	3503.28	3484.83	-146.95	148.66	164.83	385.67	34.02	11.56	PASS
3613.00†	3532.19	-162.57	559.32	3601.98	3582.41	-155.55	160.81	164.72	401.73	35.22	11.62	PASS
3713.00†	3627.82	-170.73	587.42	3700.68	3679.98	-164.15	172.95	164.62	417.79	36.42	11.68	PASS
3813.00†	3723.44	-178.90	615.51	3799.38	3777.55	-172.75	185.09	164.53	433.85	37.63	11.73	PASS
3913.00†	3819.06	-187.06	643.61	3898.08	3875.12	-181.35	197.23	164.44	449.92	38.84	11.78	PASS
4013.00†	3914.69	-195.23	671.70	3996.78	3972.69	-189.95	209.38	164.36	465.98	40.06	11.82	PASS
4113.00†	4010.31	-203.39	699.80	4095.48	4070.26	-198.54	221.52	164.29	482.04	41.28	11.86	PASS
4213.00†	4105.94	-211.56	727.89	4194.18	4167.83	-207.14	233.66	164.22	498.11	42.51	11.90	PASS
4313.00†	4201.56	-219.73	755.99	4292.88	4265.41	-215.74	245.81	164.16	514.17	43.74	11.93	PASS
4413.00†	4297.19	-227.89	784.08	4391.58	4362.98	-224.34	257.95	164.09	530.24	44.97	11.96	PASS
4513.00†	4392.81	-236.06	812.18	4490.28	4460.55	-232.94	270.09	164.04	546.31	46.20	11.99	PASS
4613.00†	4488.43	-244.22	840.27	4588.98	4558.12	-241.53	282.24	163.98	562.38	47.44	12.02	PASS
4713.00†	4584.06	-252.39	868.37	4687.68	4655.69	-250.13	294.38	163.93	578.44	48.68	12.04	PASS
4813.00†	4679.68	-260.55	896.46	4786.38	4753.26	-258.73	306.52	163.88	594.51	49.92	12.07	PASS
4913.00†	4775.31	-268.72	924.56	4885.07	4850.83	-267.33	318.66	163.84	610.58	51.17	12.09	PASS
5013.00†	4870.93	-276.89	952.65	4983.77	4948.41	-275.93	330.81	163.79	626.65	52.41	12.11	PASS
5113.00†	4966.56	-285.05	980.74	5082.47	5045.98	-284.52	342.95	163.75	642.72	53.66	12.12	PASS
5213.00†	5062.18	-293.22	1008.84	5181.17	5143.55	-293.12	355.09	163.71	658.79	54.91	12.14	PASS
5313.00†	5157.80	-301.38	1036.93	5279.87	5241.12	-301.72	367.24	163.67	674.86	56.16	12.16	PASS
5413.00†	5253.43	-309.55	1065.03	5378.57	5338.69	-310.32	379.38	163.64	690.93	57.41	12.17	PASS
5513.00†	5349.05	-317.71	1093.12	5477.27	5436.26	-318.92	391.52	163.60	707.00	58.67	12.19	PASS
5613.00†	5444.68	-325.88	1121.22	5575.97	5533.83	-327.51	403.67	163.57	723.07	59.92	12.20	PASS
5713.00†	5540.30	-334.04	1149.31	5674.67	5631.41	-336.11	415.81	163.54	739.14	61.18	12.21	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 67 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-3CDH PWB Offset Wellpath: CONNER 19-18-3CDH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W		Slot: SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)				Well: CONNER 19-18-3CDH		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
5813.00†	5635.93	-342.21	1177.41	5773.37	5728.98	-344.71	427.95	163.51	755.21	62.44	12.22	PASS
5913.00†	5731.55	-350.38	1205.50	5872.07	5826.55	-353.31	440.10	163.48	771.29	63.69	12.23	PASS
6013.00†	5827.17	-358.54	1233.60	5970.77	5924.12	-361.91	452.24	163.46	787.36	64.95	12.24	PASS
6113.00†	5922.80	-366.71	1261.69	6069.47	6021.69	-370.50	464.38	163.43	803.43	66.21	12.25	PASS
6213.00†	6018.42	-374.87	1289.79	6168.17	6119.26	-379.10	476.52	163.40	819.50	67.48	12.26	PASS
6313.00†	6114.05	-383.04	1317.88	6266.87	6216.83	-387.70	488.67	163.38	835.57	68.74	12.27	PASS
6413.00†	6209.67	-391.20	1345.98	6365.57	6314.41	-396.30	500.81	163.35	851.65	70.00	12.28	PASS
6513.00†	6305.30	-399.37	1374.07	6464.26	6411.98	-404.90	512.95	163.33	867.72	71.27	12.29	PASS
6613.00†	6400.92	-407.54	1402.17	6562.96	6509.55	-413.49	525.10	163.31	883.79	72.53	12.30	PASS
6713.00†	6496.54	-415.70	1430.26	6661.66	6607.12	-422.09	537.24	163.29	899.86	73.79	12.30	PASS
6813.00†	6592.17	-423.87	1458.35	6760.36	6704.69	-430.69	549.38	163.27	915.94	75.06	12.31	PASS
6913.00†	6687.79	-432.03	1486.45	6859.06	6802.26	-439.29	561.53	163.25	932.01	76.33	12.32	PASS
7013.00†	6783.42	-440.20	1514.54	6957.76	6899.83	-447.89	573.67	163.23	948.08	77.59	12.32	PASS
7113.00†	6879.04	-448.36	1542.64	7056.46	6997.41	-456.48	585.81	163.21	964.16	78.86	12.33	PASS
7213.00†	6974.67	-456.53	1570.73	7156.03	7095.97	-462.77	598.08	163.34	980.20	80.67	12.25	PASS
7263.34	7022.81	-460.64	1584.88	7205.79	7145.28	-460.41	604.24	163.72	988.26	80.48	12.38	PASS
7313.00†	7070.40	-462.55	1598.87	7253.92	7192.60	-454.03	610.15	-178.50	996.27	80.85	12.42	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: CONNER 19-18-3CDH PWB Offset Wellpath: CONNER 19-18-3CDH PWP (REV-A.0)

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



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 68 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

HOLE & CASING SECTIONS - Offset Wellbore: CONNER 19-18-3CDH PWB Offset Wellpath: CONNER 19-18-3CDH PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
9.625in Casing Surface	13.00	700.00	687.00	13.00	700.00	0.00	-35.89	0.00	-35.89
8.5in Open Hole	700.00	17833.19	17133.19	700.00	N/A	0.00	-35.89	N/A	N/A

SURVEY PROGRAM - Offset Wellbore: CONNER 19-18-3CDH PWB Offset Wellpath: CONNER 19-18-3CDH PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
13.00	700.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		CONNER 19-18-3CDH PWB
700.00	17833.19	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)		CONNER 19-18-3CDH PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: CONNER 19-18-3CDH PWB Offset Wellpath: CONNER 19-18-3CDH PWP (REV-A.0)

MD Reference: RIG (5142'GL + 13'KB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	13.00ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 69 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-2NBH PWB Offset Wellpath: CONNER 19-18-2NBH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#08 CONNER 19-18-2NBH (350'FSL & 1900'FWL, SEC.19) Well: CONNER 19-18-2NBH 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	
13.00	13.00	0.00	0.00	13.00	13.00	0.00	-72.90	-90.00	72.90	1.40	120.17	PASS	
113.00†	113.00	0.00	0.00	113.00	113.00	0.00	-72.90	-90.00	72.90	1.88	66.99	PASS	
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-72.90	-90.00	72.90	2.66	38.73	PASS	
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-72.90	-90.00	72.90	3.49	26.83	PASS	
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-72.90	-90.00	72.90	4.33	20.45	PASS	
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-72.90	-90.00	72.90	5.17	16.50	PASS	
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-72.90	-90.00	72.90	6.02	13.82	PASS	
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-72.90	-90.00	72.90	6.50	12.45	PASS	
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	-72.90	-90.00	72.90	6.87	11.72	PASS	
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	-72.90	-90.00	72.90	7.30	10.95	PASS	
1013.00†	1013.00	0.00	0.00	1013.00	1013.00	0.00	-72.90	-90.00	72.90	7.81	10.17	PASS	
1113.00†	1113.00	0.00	0.00	1113.00	1113.00	0.00	-72.90	-90.00	72.90	8.37	9.42	PASS	
1200.00	1200.00	0.00	0.00	1200.00	1200.00	0.00	-72.90	-90.00	72.90	8.90	8.81	PASS	
1213.00†	1213.00	-0.01	0.03	1213.00	1213.00	0.00	-72.90	163.80	72.93	8.98	8.73	PASS	
1313.00†	1312.97	-0.62	2.14	1312.97	1312.97	0.00	-72.90	164.26	75.04	9.71	8.26	PASS	
1413.00†	1412.80	-2.21	7.60	1412.80	1412.80	0.00	-72.90	165.33	80.53	10.66	8.02	PASS	
1513.00†	1512.38	-4.77	16.40	1512.63	1512.63	-0.02	-72.89	166.76	89.41	11.59	8.15	PASS	
1613.00†	1611.57	-8.29	28.54	1614.17	1614.14	-1.83	-71.56	167.41	100.34	12.55	8.41	PASS	
1713.00†	1710.26	-12.79	43.99	1715.85	1715.64	-6.56	-68.10	166.88	112.39	13.58	8.68	PASS	
1813.00†	1808.33	-18.23	62.74	1817.59	1816.94	-14.19	-62.51	165.54	125.61	14.57	9.01	PASS	
1913.00†	1905.66	-24.64	84.76	1916.35	1915.09	-23.01	-56.04	164.25	141.13	15.48	9.51	PASS	
2013.00†	2002.13	-31.98	110.04	2014.53	2012.67	-31.79	-49.61	163.54	159.99	16.41	10.15	PASS	
2050.60	2038.16	-34.99	120.37	2051.29	2049.20	-35.08	-47.20	163.39	167.94	16.75	10.43	PASS	
2113.00†	2097.83	-40.08	137.90	2112.19	2109.72	-40.52	-43.21	163.28	181.51	17.25	10.93	PASS	
2213.00†	2193.45	-48.25	166.00	2209.79	2206.73	-49.25	-36.82	163.13	203.25	18.09	11.65	PASS	
2313.00†	2289.08	-56.41	194.09	2307.40	2303.73	-57.98	-30.43	163.01	225.00	18.95	12.29	PASS	
2413.00†	2384.70	-64.58	222.19	2405.00	2400.74	-66.70	-24.03	162.92	246.75	19.84	12.86	PASS	
2513.00†	2480.32	-72.74	250.28	2502.61	2497.74	-75.43	-17.64	162.83	268.50	20.75	13.36	PASS	
2613.00†	2575.95	-80.91	278.38	2600.22	2594.74	-84.15	-11.25	162.76	290.25	21.67	13.81	PASS	
2713.00†	2671.57	-89.08	306.47	2697.82	2691.75	-92.88	-4.85	162.70	312.00	22.61	14.21	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 70 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-2NBH PWB Offset Wellpath: CONNER 19-18-2NBH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#08 CONNER 19-18-2NBH (350'FSL & 1900'FWL, SEC.19) Well: CONNER 19-18-2NBH 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
2813.00†	2767.20	-97.24	334.57	2795.43	2788.75	-101.61	1.54	162.65	333.75	23.57	14.57	PASS
2913.00†	2862.82	-105.41	362.66	2893.03	2885.76	-110.33	7.93	162.61	355.50	24.54	14.89	PASS
3013.00†	2958.45	-113.57	390.76	2990.64	2982.76	-119.06	14.33	162.57	377.25	25.51	15.18	PASS
3113.00†	3054.07	-121.74	418.85	3088.24	3079.77	-127.78	20.72	162.53	399.00	26.50	15.44	PASS
3213.00†	3149.69	-129.90	446.94	3185.85	3176.77	-136.51	27.11	162.50	420.76	27.49	15.68	PASS
3313.00†	3245.32	-138.07	475.04	3283.45	3273.77	-145.24	33.51	162.47	442.51	28.50	15.90	PASS
3413.00†	3340.94	-146.23	503.13	3381.06	3370.78	-153.96	39.90	162.44	464.26	29.51	16.10	PASS
3513.00†	3436.57	-154.40	531.23	3478.66	3467.78	-162.69	46.29	162.42	486.01	30.52	16.28	PASS
3613.00†	3532.19	-162.57	559.32	3576.27	3564.79	-171.41	52.69	162.40	507.76	31.54	16.45	PASS
3713.00†	3627.82	-170.73	587.42	3673.88	3661.79	-180.14	59.08	162.38	529.51	32.57	16.60	PASS
3813.00†	3723.44	-178.90	615.51	3771.48	3758.79	-188.87	65.47	162.36	551.27	33.60	16.74	PASS
3913.00†	3819.06	-187.06	643.61	3869.09	3855.80	-197.59	71.87	162.34	573.02	34.63	16.87	PASS
4013.00†	3914.69	-195.23	671.70	3966.69	3952.80	-206.32	78.26	162.32	594.77	35.67	16.99	PASS
4113.00†	4010.31	-203.39	699.80	4064.30	4049.81	-215.04	84.65	162.31	616.52	36.71	17.11	PASS
4213.00†	4105.94	-211.56	727.89	4161.90	4146.81	-223.77	91.05	162.29	638.27	37.75	17.21	PASS
4313.00†	4201.56	-219.73	755.99	4259.51	4243.82	-232.49	97.44	162.28	660.03	38.80	17.31	PASS
4413.00†	4297.19	-227.89	784.08	4357.11	4340.82	-241.22	103.83	162.27	681.78	39.84	17.40	PASS
4513.00†	4392.81	-236.06	812.18	4454.72	4437.82	-249.95	110.22	162.26	703.53	40.90	17.49	PASS
4613.00†	4488.43	-244.22	840.27	4552.32	4534.83	-258.67	116.62	162.25	725.28	41.95	17.57	PASS
4713.00†	4584.06	-252.39	868.37	4649.93	4631.83	-267.40	123.01	162.24	747.03	43.00	17.65	PASS
4813.00†	4679.68	-260.55	896.46	4747.54	4728.84	-276.12	129.40	162.23	768.79	44.06	17.72	PASS
4913.00†	4775.31	-268.72	924.56	4845.14	4825.84	-284.85	135.80	162.22	790.54	45.12	17.78	PASS
5013.00†	4870.93	-276.89	952.65	4942.75	4922.84	-293.58	142.19	162.21	812.29	46.18	17.85	PASS
5113.00†	4966.56	-285.05	980.74	5040.35	5019.85	-302.30	148.58	162.20	834.04	47.24	17.91	PASS
5213.00†	5062.18	-293.22	1008.84	5137.96	5116.85	-311.03	154.98	162.20	855.80	48.31	17.96	PASS
5313.00†	5157.80	-301.38	1036.93	5235.56	5213.86	-319.75	161.37	162.19	877.55	49.37	18.02	PASS
5413.00†	5253.43	-309.55	1065.03	5333.17	5310.86	-328.48	167.76	162.18	899.30	50.44	18.07	PASS
5513.00†	5349.05	-317.71	1093.12	5430.77	5407.87	-337.21	174.16	162.18	921.05	51.51	18.12	PASS
5613.00†	5444.68	-325.88	1121.22	5528.38	5504.87	-345.93	180.55	162.17	942.81	52.57	18.16	PASS
5713.00†	5540.30	-334.04	1149.31	5625.99	5601.87	-354.66	186.94	162.16	964.56	53.64	18.21	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 71 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-2NBH PWB Offset Wellpath: CONNER 19-18-2NBH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#08 CONNER 19-18-2NBH (350'FSL & 1900'FWL, SEC.19) Well: CONNER 19-18-2NBH 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
5813.00†	5635.93	-342.21	1177.41	5723.59	5698.88	-363.38	193.34	162.16	986.31	54.71	18.25	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: CONNER 19-18-2NBH PWB Offset Wellpath: CONNER 19-18-2NBH PWP (REV-A.0)

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: CONNER 19-18-2NBH PWB Offset Wellpath: CONNER 19-18-2NBH PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
9.625in Casing Surface	13.00	700.00	687.00	13.00	700.00	0.00	-44.44	0.00	-44.44
8.5in Open Hole	700.00	17534.29	16834.29	700.00	N/A	0.00	-44.44	N/A	N/A

SURVEY PROGRAM - Offset Wellbore: CONNER 19-18-2NBH PWB Offset Wellpath: CONNER 19-18-2NBH PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
13.00	17534.29	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		CONNER 19-18-2NBH PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: CONNER 19-18-2NBH PWB Offset Wellpath: CONNER 19-18-2NBH PWP (REV-A.0)

MD Reference: RIG (5142'GL + 13'KB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	13.00ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 72 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-2NCH PWB Offset Wellpath: CONNER 19-18-2NCH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#07 CONNER 19-18-2NCH (350'FSL & 1885'FWL, SEC.19) Well: CONNER 19-18-2NCH 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
13.00	13.00	0.00	0.00	13.00	13.00	0.00	-89.73	-90.00	89.73	1.40	148.21	PASS
113.00†	113.00	0.00	0.00	113.00	113.00	0.00	-89.73	-90.00	89.73	1.88	82.84	PASS
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-89.73	-90.00	89.73	2.66	47.90	PASS
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-89.73	-90.00	89.73	3.48	33.17	PASS
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-89.73	-90.00	89.73	4.32	25.27	PASS
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-89.73	-90.00	89.73	5.16	20.39	PASS
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-89.73	-90.00	89.73	6.01	17.07	PASS
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-89.73	-90.00	89.73	6.34	15.79	PASS
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	-89.73	-90.00	89.73	6.47	15.45	PASS
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	-89.73	-90.00	89.73	6.79	14.64	PASS
1013.00†	1013.00	0.00	0.00	1013.00	1013.00	0.00	-89.73	-90.00	89.73	7.27	13.57	PASS
1113.00†	1113.00	0.00	0.00	1113.00	1113.00	0.00	-89.73	-90.00	89.73	7.87	12.44	PASS
1200.00	1200.00	0.00	0.00	1200.00	1200.00	0.00	-89.73	-90.00	89.73	8.46	11.48	PASS
1213.00†	1213.00	-0.01	0.03	1213.00	1213.00	0.00	-89.73	163.80	89.75	8.56	11.35	PASS
1313.00†	1312.97	-0.62	2.14	1312.97	1312.97	0.00	-89.73	164.17	91.87	9.39	10.50	PASS
1413.00†	1412.80	-2.21	7.60	1412.84	1412.84	-0.03	-89.72	165.04	97.35	10.47	9.90	PASS
1513.00†	1512.38	-4.77	16.40	1512.75	1512.72	-2.21	-89.60	165.09	106.03	11.55	9.71	PASS
1613.00†	1611.57	-8.29	28.54	1612.30	1612.10	-7.85	-89.28	163.86	117.82	12.63	9.83	PASS
1713.00†	1710.26	-12.79	43.99	1711.17	1710.63	-16.16	-88.80	162.08	132.83	13.70	10.17	PASS
1813.00†	1808.33	-18.23	62.74	1809.44	1808.53	-24.63	-88.32	160.97	151.19	14.79	10.69	PASS
1913.00†	1905.66	-24.64	84.76	1907.06	1905.79	-33.04	-87.84	160.45	172.80	15.90	11.33	PASS
2013.00†	2002.13	-31.98	110.04	2003.93	2002.29	-41.39	-87.36	160.34	197.62	17.02	12.07	PASS
2050.60	2038.16	-34.99	120.37	2040.14	2038.36	-44.51	-87.18	160.37	207.77	17.43	12.38	PASS
2113.00†	2097.83	-40.08	137.90	2100.10	2098.11	-49.68	-86.89	160.56	225.00	18.06	12.93	PASS
2213.00†	2193.45	-48.25	166.00	2196.21	2193.86	-57.97	-86.41	160.82	252.60	19.08	13.71	PASS
2313.00†	2289.08	-56.41	194.09	2292.32	2289.61	-66.25	-85.94	161.02	280.21	20.12	14.40	PASS
2413.00†	2384.70	-64.58	222.19	2388.43	2385.36	-74.54	-85.47	161.18	307.82	21.18	15.00	PASS
2513.00†	2480.32	-72.74	250.28	2484.54	2481.11	-82.82	-84.99	161.32	335.43	22.26	15.53	PASS
2613.00†	2575.95	-80.91	278.38	2580.65	2576.86	-91.11	-84.52	161.44	363.04	23.35	16.00	PASS
2713.00†	2671.57	-89.08	306.47	2676.76	2672.61	-99.39	-84.05	161.54	390.66	24.45	16.42	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 73 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-2NCH PWB Offset Wellpath: CONNER 19-18-2NCH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#07 CONNER 19-18-2NCH (350'FSL & 1885'FWL, SEC.19)						Well: CONNER 19-18-2NCH		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
2813.00†	2767.20	-97.24	334.57	2772.87	2768.36	-107.68	-83.58	161.63	418.27	25.57	16.80	PASS
2913.00†	2862.82	-105.41	362.66	2868.98	2864.11	-115.96	-83.10	161.70	445.89	26.69	17.13	PASS
3013.00†	2958.45	-113.57	390.76	2965.09	2959.86	-124.25	-82.63	161.77	473.51	27.82	17.44	PASS
3113.00†	3054.07	-121.74	418.85	3061.20	3055.61	-132.53	-82.16	161.83	501.12	28.96	17.71	PASS
3213.00†	3149.69	-129.90	446.94	3157.31	3151.36	-140.82	-81.68	161.88	528.74	30.11	17.96	PASS
3313.00†	3245.32	-138.07	475.04	3253.42	3247.11	-149.10	-81.21	161.93	556.36	31.26	18.19	PASS
3413.00†	3340.94	-146.23	503.13	3349.53	3342.86	-157.39	-80.74	161.98	583.98	32.42	18.39	PASS
3513.00†	3436.57	-154.40	531.23	3445.64	3438.61	-165.67	-80.26	162.02	611.60	33.58	18.58	PASS
3613.00†	3532.19	-162.57	559.32	3541.75	3534.36	-173.96	-79.79	162.05	639.22	34.75	18.76	PASS
3713.00†	3627.82	-170.73	587.42	3637.86	3630.11	-182.24	-79.32	162.09	666.84	35.92	18.92	PASS
3813.00†	3723.44	-178.90	615.51	3733.96	3725.87	-190.53	-78.84	162.12	694.46	37.10	19.07	PASS
3913.00†	3819.06	-187.06	643.61	3830.07	3821.62	-198.81	-78.37	162.15	722.08	38.27	19.20	PASS
4013.00†	3914.69	-195.23	671.70	3926.18	3917.37	-207.10	-77.90	162.17	749.70	39.45	19.33	PASS
4113.00†	4010.31	-203.39	699.80	4022.29	4013.12	-215.38	-77.42	162.20	777.32	40.64	19.45	PASS
4213.00†	4105.94	-211.56	727.89	4118.40	4108.87	-223.67	-76.95	162.22	804.94	41.82	19.56	PASS
4313.00†	4201.56	-219.73	755.99	4214.51	4204.62	-231.95	-76.48	162.24	832.56	43.01	19.67	PASS
4413.00†	4297.19	-227.89	784.08	4310.62	4300.37	-240.24	-76.00	162.26	860.18	44.20	19.76	PASS
4513.00†	4392.81	-236.06	812.18	4406.73	4396.12	-248.52	-75.53	162.28	887.80	45.39	19.85	PASS
4613.00†	4488.43	-244.22	840.27	4502.84	4491.87	-256.81	-75.06	162.30	915.42	46.58	19.94	PASS
4713.00†	4584.06	-252.39	868.37	4598.95	4587.62	-265.09	-74.58	162.31	943.04	47.78	20.02	PASS
4813.00†	4679.68	-260.55	896.46	4695.06	4683.37	-273.37	-74.11	162.33	970.66	48.98	20.10	PASS
4913.00†	4775.31	-268.72	924.56	4791.17	4779.12	-281.66	-73.64	162.34	998.28	50.17	20.17	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: CONNER 19-18-2NCH PWB Offset Wellpath: CONNER 19-18-2NCH PWP (REV-A.0)

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



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 74 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

HOLE & CASING SECTIONS - Offset Wellbore: CONNER 19-18-2NCH PWB Offset Wellpath: CONNER 19-18-2NCH PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
9.625in Casing Surface	13.00	700.00	687.00	13.00	700.00	0.00	-54.70	0.00	-54.70
8.5in Open Hole	700.00	17584.04	16884.04	700.00	7472.00	0.00	-54.70	3009.93	-37.59

SURVEY PROGRAM - Offset Wellbore: CONNER 19-18-2NCH PWB Offset Wellpath: CONNER 19-18-2NCH PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
13.00	700.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		CONNER 19-18-2NCH PWB
700.00	17584.04	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)		CONNER 19-18-2NCH PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: CONNER 19-18-2NCH PWB Offset Wellpath: CONNER 19-18-2NCH PWP (REV-A.0)

MD Reference: RIG (5142'GL + 13'KB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	13.00ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 75 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: ROSENBROCK 31-30 AWB Offset Wellpath: ROSENBROCK 31-30 AWP

Facility: SEC.30-T1S-R65W Slot: SLOT#02 EX ROSENBROCK 31-30 (662'FNL & 1987'FEL, SEC.30, PR,8215) Well: ROSENBROCK 31-30 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	
13.00	13.00	0.00	0.00	17.00	13.00	-1025.44	948.04	137.25	1396.53	50.40	28.14	PASS	
113.00†	113.00	0.00	0.00	117.00	113.00	-1025.44	948.04	137.25	1396.53	52.74	26.87	PASS	
213.00†	213.00	0.00	0.00	217.00	213.00	-1025.44	948.04	137.25	1396.53	55.10	25.71	PASS	
313.00†	313.00	0.00	0.00	317.00	313.00	-1025.44	948.04	137.25	1396.53	57.46	24.63	PASS	
413.00†	413.00	0.00	0.00	417.00	413.00	-1025.44	948.04	137.25	1396.53	59.84	23.64	PASS	
513.00†	513.00	0.00	0.00	517.00	513.00	-1025.44	948.04	137.25	1396.53	62.23	22.72	PASS	
613.00†	613.00	0.00	0.00	617.00	613.00	-1025.44	948.04	137.25	1396.53	64.63	21.87	PASS	
713.00†	713.00	0.00	0.00	717.00	713.00	-1025.44	948.04	137.25	1396.53	66.91	21.09	PASS	
813.00†	813.00	0.00	0.00	817.00	813.00	-1025.44	948.04	137.25	1396.53	69.25	20.37	PASS	
913.00†	913.00	0.00	0.00	917.00	913.00	-1025.44	948.04	137.25	1396.53	71.60	19.69	PASS	
1013.00†	1013.00	0.00	0.00	1017.00	1013.00	-1025.44	948.04	137.25	1396.53	73.97	19.05	PASS	
1113.00†	1113.00	0.00	0.00	1117.00	1113.00	-1025.44	948.04	137.25	1396.53	76.34	18.46	PASS	
1200.00	1200.00	0.00	0.00	1204.00	1200.00	-1025.44	948.04	137.25	1396.53	78.42	17.96	PASS	
1213.00†	1213.00	-0.01	0.03	1217.00	1213.00	-1025.44	948.04	31.04	1396.51	78.73	17.89	PASS	
1313.00†	1312.97	-0.62	2.14	1316.97	1312.97	-1025.44	948.04	31.11	1394.63	81.14	17.33	PASS	
1413.00†	1412.80	-2.21	7.60	1416.80	1412.80	-1025.44	948.04	31.28	1389.76	83.59	16.76	PASS	
1513.00†	1512.38	-4.77	16.40	1516.38	1512.38	-1025.44	948.04	31.56	1381.93	86.04	16.19	PASS	
1613.00†	1611.57	-8.29	28.54	1615.57	1611.57	-1025.44	948.04	31.95	1371.16	88.50	15.61	PASS	
1713.00†	1710.26	-12.79	43.99	1714.26	1710.26	-1025.44	948.04	32.45	1357.49	90.96	15.03	PASS	
1813.00†	1808.33	-18.23	62.74	1812.33	1808.33	-1025.44	948.04	33.08	1340.98	93.41	14.46	PASS	
1913.00†	1905.66	-24.64	84.76	1909.66	1905.66	-1025.44	948.04	33.84	1321.69	95.87	13.88	PASS	
2013.00†	2002.13	-31.98	110.04	2006.13	2002.13	-1025.44	948.04	34.73	1299.70	98.34	13.31	PASS	
2050.60	2038.16	-34.99	120.37	2042.16	2038.16	-1025.44	948.04	35.11	1290.75	99.26	13.09	PASS	
2113.00†	2097.83	-40.08	137.90	2101.83	2097.83	-1025.44	948.04	35.57	1275.64	100.78	12.74	PASS	
2213.00†	2193.45	-48.25	166.00	2197.45	2193.45	-1025.44	948.04	36.34	1251.60	103.24	12.20	PASS	
2313.00†	2289.08	-56.41	194.09	2293.08	2289.08	-1025.44	948.04	37.14	1227.78	105.72	11.68	PASS	
2413.00†	2384.70	-64.58	222.19	2388.70	2384.70	-1025.44	948.04	37.96	1204.21	108.24	11.19	PASS	
2513.00†	2480.32	-72.74	250.28	2484.32	2480.32	-1025.44	948.04	38.82	1180.89	110.78	10.72	PASS	
2613.00†	2575.95	-80.91	278.38	2579.95	2575.95	-1025.44	948.04	39.71	1157.84	113.36	10.27	PASS	
2713.00†	2671.57	-89.08	306.47	2675.57	2671.57	-1025.44	948.04	40.64	1135.07	115.97	9.84	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 76 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: ROSENBROCK 31-30 AWB Offset Wellpath: ROSENBROCK 31-30 AWP

Facility: SEC.30-T1S-R65W Slot: SLOT#02 EX ROSENBROCK 31-30 (662'FNL & 1987'FEL, SEC.30, PR,8215) Well: ROSENBROCK 31-30 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
2813.00†	2767.20	-97.24	334.57	2771.20	2767.20	-1025.44	948.04	41.60	1112.61	118.61	9.43	PASS
2913.00†	2862.82	-105.41	362.66	2866.82	2862.82	-1025.44	948.04	42.60	1090.47	121.29	9.04	PASS
3013.00†	2958.45	-113.57	390.76	2962.45	2958.45	-1025.44	948.04	43.64	1068.68	124.01	8.66	PASS
3113.00†	3054.07	-121.74	418.85	3058.07	3054.07	-1025.44	948.04	44.72	1047.24	126.76	8.30	PASS
3213.00†	3149.69	-129.90	446.94	3153.69	3149.69	-1025.44	948.04	45.85	1026.20	129.55	7.96	PASS
3313.00†	3245.32	-138.07	475.04	3249.32	3245.32	-1025.44	948.04	47.02	1005.56	132.38	7.63	PASS
3413.00†	3340.94	-146.23	503.13	3344.94	3340.94	-1025.44	948.04	48.23	985.36	135.24	7.32	PASS
3513.00†	3436.57	-154.40	531.23	3440.57	3436.57	-1025.44	948.04	49.49	965.63	138.15	7.02	PASS
3613.00†	3532.19	-162.57	559.32	3536.19	3532.19	-1025.44	948.04	50.80	946.39	141.11	6.74	PASS
3713.00†	3627.82	-170.73	587.42	3631.82	3627.82	-1025.44	948.04	52.17	927.67	144.10	6.46	PASS
3813.00†	3723.44	-178.90	615.51	3727.44	3723.44	-1025.44	948.04	53.58	909.51	147.13	6.21	PASS
3913.00†	3819.06	-187.06	643.61	3823.06	3819.06	-1025.44	948.04	55.05	891.94	150.21	5.96	PASS
4013.00†	3914.69	-195.23	671.70	3918.69	3914.69	-1025.44	948.04	56.57	874.99	153.33	5.73	PASS
4113.00†	4010.31	-203.39	699.80	4014.31	4010.31	-1025.44	948.04	58.15	858.71	156.49	5.51	PASS
4213.00†	4105.94	-211.56	727.89	4109.94	4105.94	-1025.44	948.04	59.79	843.13	159.69	5.30	PASS
4313.00†	4201.56	-219.73	755.99	4205.56	4201.56	-1025.44	948.04	61.48	828.29	162.93	5.10	PASS
4413.00†	4297.19	-227.89	784.08	4301.19	4297.19	-1025.44	948.04	63.22	814.23	166.21	4.92	PASS
4513.00†	4392.81	-236.06	812.18	4396.81	4392.81	-1025.44	948.04	65.02	800.99	169.51	4.74	PASS
4613.00†	4488.43	-244.22	840.27	4492.43	4488.43	-1025.44	948.04	66.88	788.62	172.85	4.58	PASS
4713.00†	4584.06	-252.39	868.37	4588.06	4584.06	-1025.44	948.04	68.79	777.15	176.21	4.42	PASS
4813.00†	4679.68	-260.55	896.46	4683.68	4679.68	-1025.44	948.04	70.75	766.62	179.59	4.28	PASS
4913.00†	4775.31	-268.72	924.56	4779.31	4775.31	-1025.44	948.04	72.76	757.08	182.99	4.15	PASS
5013.00†	4870.93	-276.89	952.65	4874.93	4870.93	-1025.44	948.04	74.81	748.57	186.40	4.03	PASS
5113.00†	4966.56	-285.05	980.74	4970.56	4966.56	-1025.44	948.04	76.90	741.11	189.80	3.92	PASS
5213.00†	5062.18	-293.22	1008.84	5066.18	5062.18	-1025.44	948.04	79.03	734.74	193.21	3.81	PASS
5313.00†	5157.80	-301.38	1036.93	5161.80	5157.80	-1025.44	948.04	81.19	729.49	196.60	3.72	PASS
5413.00†	5253.43	-309.55	1065.03	5257.43	5253.43	-1025.44	948.04	83.38	725.39	199.98	3.64	PASS
5513.00†	5349.05	-317.71	1093.12	5353.05	5349.05	-1025.44	948.04	85.58	722.44	203.33	3.56	PASS
5613.00†	5444.68	-325.88	1121.22	5448.68	5444.68	-1025.44	948.04	87.80	720.68	206.65	3.50	PASS
5713.00†	5540.30	-334.04	1149.31	5544.30	5540.30	-1025.44	948.04	90.02	720.10	209.93	3.44	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 77 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: ROSENBROCK 31-30 AWB Offset Wellpath: ROSENBROCK 31-30 AWP

Facility: SEC.30-T1S-R65W Slot: SLOT#02 EX ROSENBROCK 31-30 (662'FNL & 1987'FEL, SEC.30, PR,8215) Well: ROSENBROCK 31-30 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
5813.00†	5635.93	-342.21	1177.41	5639.93	5635.93	-1025.44	948.04	92.25	720.70	213.17	3.39	PASS
5913.00†	5731.55	-350.38	1205.50	5735.55	5731.55	-1025.44	948.04	94.47	722.49	216.37	3.35	PASS
6013.00†	5827.17	-358.54	1233.60	5831.17	5827.17	-1025.44	948.04	96.67	725.46	219.51	3.31	PASS
6113.00†	5922.80	-366.71	1261.69	5926.80	5922.80	-1025.44	948.04	98.86	729.59	222.60	3.28	PASS
6213.00†	6018.42	-374.87	1289.79	6022.42	6018.42	-1025.44	948.04	101.02	734.87	225.64	3.26	PASS
6313.00†	6114.05	-383.04	1317.88	6118.05	6114.05	-1025.44	948.04	103.14	741.26	228.63	3.25	PASS
6413.00†	6209.67	-391.20	1345.98	6213.67	6209.67	-1025.44	948.04	105.24	748.74	231.56	3.24	PASS
6513.00†	6305.30	-399.37	1374.07	6309.30	6305.30	-1025.44	948.04	107.29	757.27	234.44	3.24	PASS
6613.00†	6400.92	-407.54	1402.17	6404.92	6400.92	-1025.44	948.04	109.29	766.83	237.26	3.24	PASS
6713.00†	6496.54	-415.70	1430.26	6500.54	6496.54	-1025.44	948.04	111.25	777.38	240.05	3.25	PASS
6813.00†	6592.17	-423.87	1458.35	6596.17	6592.17	-1025.44	948.04	113.16	788.87	242.78	3.26	PASS
6913.00†	6687.79	-432.03	1486.45	6691.79	6687.79	-1025.44	948.04	115.02	801.26	245.48	3.27	PASS
7013.00†	6783.42	-440.20	1514.54	6787.42	6783.42	-1025.44	948.04	116.82	814.51	248.14	3.29	PASS
7113.00†	6879.04	-448.36	1542.64	6883.04	6879.04	-1025.44	948.04	118.56	828.59	250.76	3.31	PASS
7213.00†	6974.67	-456.53	1570.73	6978.67	6974.67	-1025.44	948.04	120.25	843.45	253.36	3.34	PASS
7263.34	7022.81	-460.64	1584.88	7026.81	7022.81	-1025.44	948.04	121.08	851.21	254.65	3.35	PASS
7313.00†	7070.40	-462.55	1598.87	7074.40	7070.40	-1025.44	948.04	138.97	860.48	255.93	3.37	PASS
7413.00†	7165.80	-453.35	1626.94	7169.80	7165.80	-1025.44	948.04	172.15	887.80	258.52	3.44	PASS
7513.00†	7258.21	-427.03	1654.17	7262.21	7258.21	-1025.44	948.04	-166.40	925.59	261.10	3.55	PASS
7613.00†	7344.83	-384.38	1679.75	7348.83	7344.83	-1025.44	948.04	-152.99	972.81	263.54	3.70	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: ROSENBROCK 31-30 AWB Offset Wellpath: ROSENBROCK 31-30 AWP

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



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 78 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

WELLPATH COMPOSITION - Offset Wellbore: ROSENBROCK 31-30 AWB Offset Wellpath: ROSENBROCK 31-30 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	8215.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL <8215>	ROSENBROCK 31-30 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: ROSENBROCK 31-30 AWB Offset Wellpath: ROSENBROCK 31-30 AWP

MD Reference: Rig on SLOT#02 EX ROSENBROCK 31-30 (662'FNL & 1987'FEL, SEC.30, PR,8215) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 79 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: PRICE #7-19 AWB Offset Wellpath: PRICE #7-19 AWP

Facility: SEC.19-T01S-R65W		Slot: SLOT#01 EX PRICE #7-19 (1800'FNL & 2170'FEL, SEC.19, SI,8226)					Well: PRICE #7-19		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
13.00	13.00	0.00	0.00	18.00	13.00	3148.88	702.85	12.58	3226.36	50.43	65.00	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: PRICE #7-19 AWB Offset Wellpath: PRICE #7-19 AWP

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

WELLPATH COMPOSITION - Offset Wellbore: PRICE #7-19 AWB Offset Wellpath: PRICE #7-19 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	8226.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL <8226>	PRICE #7-19 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: PRICE #7-19 AWB Offset Wellpath: PRICE #7-19 AWP

MD Reference: Rig on SLOT#01 EX PRICE #7-19 (1800'FNL & 2170'FEL, SEC.19, SI,8226) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 80 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-2NXH PWB Offset Wellpath: CONNER 19-18-2NXH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#06 CONNER 19-18-2NXH (350'FSL & 1870'FWL, SEC.19) Well: CONNER 19-18-2NXH 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
13.00	13.00	0.00	0.00	13.00	13.00	0.00	-103.74	-90.00	103.74	1.40	171.57	PASS
113.00†	113.00	0.00	0.00	113.00	113.00	0.00	-103.74	-90.00	103.74	1.88	95.79	PASS
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-103.74	-90.00	103.74	2.66	55.39	PASS
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-103.74	-90.00	103.74	3.49	38.36	PASS
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-103.74	-90.00	103.74	4.32	29.23	PASS
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-103.74	-90.00	103.74	5.17	23.58	PASS
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-103.74	-90.00	103.74	6.01	19.75	PASS
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-103.74	-90.00	103.74	6.35	18.27	PASS
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	-103.74	-90.00	103.74	6.47	17.87	PASS
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	-103.74	-90.00	103.74	6.79	16.93	PASS
1013.00†	1013.00	0.00	0.00	1013.00	1013.00	0.00	-103.74	-90.00	103.74	7.27	15.70	PASS
1113.00†	1113.00	0.00	0.00	1113.00	1113.00	0.00	-103.74	-90.00	103.74	7.87	14.39	PASS
1200.00	1200.00	0.00	0.00	1200.00	1200.00	0.00	-103.74	-90.00	103.74	8.47	13.28	PASS
1213.00†	1213.00	-0.01	0.03	1213.00	1213.00	0.00	-103.74	163.80	103.77	8.56	13.13	PASS
1313.00†	1312.97	-0.62	2.14	1312.79	1312.79	-0.03	-103.76	164.10	105.90	9.39	12.11	PASS
1413.00†	1412.80	-2.21	7.60	1411.14	1411.11	-1.98	-104.59	163.85	112.20	10.48	11.41	PASS
1513.00†	1512.38	-4.77	16.40	1508.89	1508.71	-7.01	-106.72	162.60	123.20	11.59	11.25	PASS
1613.00†	1611.57	-8.29	28.54	1606.32	1605.75	-14.90	-110.08	160.76	138.90	12.69	11.54	PASS
1713.00†	1710.26	-12.79	43.99	1704.37	1703.35	-23.57	-113.76	159.42	158.27	13.77	12.06	PASS
1813.00†	1808.33	-18.23	62.74	1801.77	1800.30	-32.17	-117.42	158.73	180.88	14.85	12.74	PASS
1913.00†	1905.66	-24.64	84.76	1898.38	1896.47	-40.71	-121.05	158.49	206.65	15.95	13.51	PASS
2013.00†	2002.13	-31.98	110.04	1994.11	1991.75	-49.17	-124.65	158.56	235.54	17.07	14.36	PASS
2050.60	2038.16	-34.99	120.37	2029.85	2027.33	-52.32	-125.99	158.64	247.21	17.47	14.70	PASS
2113.00†	2097.83	-40.08	137.90	2089.03	2086.23	-57.55	-128.21	158.93	266.94	18.10	15.31	PASS
2213.00†	2193.45	-48.25	166.00	2183.88	2180.64	-65.93	-131.77	159.31	298.57	19.11	16.19	PASS
2313.00†	2289.08	-56.41	194.09	2278.73	2275.06	-74.31	-135.34	159.61	330.21	20.15	16.95	PASS
2413.00†	2384.70	-64.58	222.19	2373.58	2369.47	-82.69	-138.90	159.86	361.86	21.19	17.63	PASS
2513.00†	2480.32	-72.74	250.28	2468.43	2463.88	-91.07	-142.46	160.07	393.52	22.26	18.22	PASS
2613.00†	2575.95	-80.91	278.38	2563.27	2558.29	-99.45	-146.03	160.25	425.17	23.35	18.75	PASS
2713.00†	2671.57	-89.08	306.47	2658.12	2652.70	-107.83	-149.59	160.41	456.84	24.44	19.22	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 81 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-2NXH PWB Offset Wellpath: CONNER 19-18-2NXH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#06 CONNER 19-18-2NXH (350'FSL & 1870'FWL, SEC.19)						Well: CONNER 19-18-2NXH		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
2813.00†	2767.20	-97.24	334.57	2752.97	2747.11	-116.21	-153.15	160.54	488.50	25.55	19.63	PASS
2913.00†	2862.82	-105.41	362.66	2847.82	2841.52	-124.59	-156.71	160.66	520.16	26.67	20.01	PASS
3013.00†	2958.45	-113.57	390.76	2942.67	2935.93	-132.97	-160.28	160.77	551.83	27.79	20.35	PASS
3113.00†	3054.07	-121.74	418.85	3037.52	3030.34	-141.35	-163.84	160.86	583.50	28.92	20.65	PASS
3213.00†	3149.69	-129.90	446.94	3132.37	3124.75	-149.73	-167.40	160.94	615.17	30.06	20.93	PASS
3313.00†	3245.32	-138.07	475.04	3227.22	3219.16	-158.11	-170.96	161.02	646.84	31.21	21.19	PASS
3413.00†	3340.94	-146.23	503.13	3322.06	3313.57	-166.49	-174.53	161.09	678.52	32.36	21.42	PASS
3513.00†	3436.57	-154.40	531.23	3416.91	3407.98	-174.87	-178.09	161.15	710.19	33.51	21.63	PASS
3613.00†	3532.19	-162.57	559.32	3511.76	3502.39	-183.25	-181.65	161.21	741.86	34.67	21.82	PASS
3713.00†	3627.82	-170.73	587.42	3606.61	3596.80	-191.63	-185.21	161.26	773.54	35.83	22.00	PASS
3813.00†	3723.44	-178.90	615.51	3701.46	3691.22	-200.01	-188.78	161.31	805.21	37.00	22.17	PASS
3913.00†	3819.06	-187.06	643.61	3796.31	3785.63	-208.40	-192.34	161.35	836.89	38.17	22.32	PASS
4013.00†	3914.69	-195.23	671.70	3891.16	3880.04	-216.78	-195.90	161.40	868.56	39.34	22.46	PASS
4113.00†	4010.31	-203.39	699.80	3986.01	3974.45	-225.16	-199.47	161.43	900.24	40.51	22.60	PASS
4213.00†	4105.94	-211.56	727.89	4080.85	4068.86	-233.54	-203.03	161.47	931.92	41.69	22.72	PASS
4313.00†	4201.56	-219.73	755.99	4175.70	4163.27	-241.92	-206.59	161.50	963.59	42.87	22.84	PASS
4413.00†	4297.19	-227.89	784.08	4270.55	4257.68	-250.30	-210.15	161.53	995.27	44.05	22.95	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: CONNER 19-18-2NXH PWB Offset Wellpath: CONNER 19-18-2NXH PWP (REV-A.0)

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



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 82 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

HOLE & CASING SECTIONS - Offset Wellbore: CONNER 19-18-2NXH PWB Offset Wellpath: CONNER 19-18-2NXH PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
9.625in Casing Surface	13.00	700.00	687.00	13.00	700.00	0.00	-63.24	0.00	-63.24
8.5in Open Hole	700.00	17363.11	16663.11	700.00	7252.00	0.00	-63.24	3008.27	-123.02

SURVEY PROGRAM - Offset Wellbore: CONNER 19-18-2NXH PWB Offset Wellpath: CONNER 19-18-2NXH PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
13.00	700.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		CONNER 19-18-2NXH PWB
700.00	17363.11	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)		CONNER 19-18-2NXH PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: CONNER 19-18-2NXH PWB Offset Wellpath: CONNER 19-18-2NXH PWP (REV-A.0)

MD Reference: RIG (5142'GL + 13'KB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	13.00ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 83 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-2CDH PWB Offset Wellpath: CONNER 19-18-2CDH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#05 CONNER 19-18-2CDH (350'FSL & 1855'FWL, SEC.19) Well: CONNER 19-18-2CDH 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
13.00	13.00	0.00	0.00	13.00	13.00	0.00	-117.76	-90.00	117.76	1.40	194.94	PASS
113.00†	113.00	0.00	0.00	113.00	113.00	0.00	-117.76	-90.00	117.76	1.88	108.74	PASS
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-117.76	-90.00	117.76	2.66	62.88	PASS
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-117.76	-90.00	117.76	3.49	43.55	PASS
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-117.76	-90.00	117.76	4.33	33.19	PASS
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-117.76	-90.00	117.76	5.17	26.78	PASS
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-117.76	-90.00	117.76	6.02	22.43	PASS
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-117.76	-90.00	117.76	6.35	20.75	PASS
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	-117.76	-90.00	117.76	6.48	20.29	PASS
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	-117.76	-90.00	117.76	6.80	19.22	PASS
1013.00†	1013.00	0.00	0.00	1013.00	1013.00	0.00	-117.76	-90.00	117.76	7.27	17.83	PASS
1113.00†	1113.00	0.00	0.00	1113.00	1113.00	0.00	-117.76	-90.00	117.76	7.87	16.34	PASS
1200.00	1200.00	0.00	0.00	1200.00	1200.00	0.00	-117.76	-90.00	117.76	8.47	15.09	PASS
1213.00†	1213.00	-0.01	0.03	1212.73	1212.73	-0.02	-117.78	163.79	117.81	8.56	14.91	PASS
1313.00†	1312.97	-0.62	2.14	1310.57	1310.54	-1.83	-118.86	163.20	121.03	9.41	13.82	PASS
1413.00†	1412.80	-2.21	7.60	1407.91	1407.73	-6.48	-121.62	161.80	129.39	10.57	13.04	PASS
1513.00†	1512.38	-4.77	16.40	1505.36	1504.80	-13.77	-125.96	159.95	142.85	11.68	12.95	PASS
1613.00†	1611.57	-8.29	28.54	1603.82	1602.83	-21.68	-130.68	158.62	160.02	12.75	13.23	PASS
1713.00†	1710.26	-12.79	43.99	1701.70	1700.28	-29.56	-135.37	157.92	180.42	13.83	13.70	PASS
1813.00†	1808.33	-18.23	62.74	1798.87	1797.03	-37.37	-140.02	157.69	203.98	14.91	14.32	PASS
1913.00†	1905.66	-24.64	84.76	1895.24	1892.97	-45.12	-144.64	157.78	230.67	16.00	15.04	PASS
2013.00†	2002.13	-31.98	110.04	1990.66	1987.98	-52.79	-149.21	158.08	260.47	17.11	15.84	PASS
2050.60	2038.16	-34.99	120.37	2026.28	2023.44	-55.66	-150.92	158.23	272.48	17.51	16.18	PASS
2113.00†	2097.83	-40.08	137.90	2085.25	2082.15	-60.40	-153.74	158.62	292.77	18.13	16.77	PASS
2213.00†	2193.45	-48.25	166.00	2179.77	2176.25	-68.00	-158.27	159.15	325.32	19.14	17.61	PASS
2313.00†	2289.08	-56.41	194.09	2274.28	2270.35	-75.60	-162.80	159.58	357.90	20.15	18.37	PASS
2413.00†	2384.70	-64.58	222.19	2368.80	2364.45	-83.20	-167.33	159.94	390.48	21.19	19.03	PASS
2513.00†	2480.32	-72.74	250.28	2463.32	2458.55	-90.81	-171.85	160.25	423.08	22.25	19.61	PASS
2613.00†	2575.95	-80.91	278.38	2557.83	2552.65	-98.41	-176.38	160.51	455.69	23.32	20.12	PASS
2713.00†	2671.57	-89.08	306.47	2652.35	2646.75	-106.01	-180.91	160.74	488.30	24.40	20.58	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 84 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-2CDH PWB Offset Wellpath: CONNER 19-18-2CDH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#05 CONNER 19-18-2CDH (350'FSL & 1855'FWL, SEC.19) Well: CONNER 19-18-2CDH 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	
2813.00†	2767.20	-97.24	334.57	2746.86	2740.86	-113.61	-185.44	160.94	520.93	25.49	20.99	PASS	
2913.00†	2862.82	-105.41	362.66	2841.38	2834.96	-121.21	-189.96	161.11	553.55	26.59	21.36	PASS	
3013.00†	2958.45	-113.57	390.76	2935.89	2929.06	-128.81	-194.49	161.26	586.18	27.70	21.69	PASS	
3113.00†	3054.07	-121.74	418.85	3030.41	3023.16	-136.41	-199.02	161.40	618.82	28.81	21.99	PASS	
3213.00†	3149.69	-129.90	446.94	3124.92	3117.26	-144.01	-203.55	161.53	651.45	29.94	22.26	PASS	
3313.00†	3245.32	-138.07	475.04	3219.44	3211.36	-151.61	-208.07	161.64	684.09	31.06	22.51	PASS	
3413.00†	3340.94	-146.23	503.13	3313.95	3305.46	-159.21	-212.60	161.74	716.73	32.19	22.74	PASS	
3513.00†	3436.57	-154.40	531.23	3408.47	3399.56	-166.81	-217.13	161.84	749.38	33.33	22.95	PASS	
3613.00†	3532.19	-162.57	559.32	3502.98	3493.66	-174.42	-221.66	161.92	782.02	34.47	23.14	PASS	
3713.00†	3627.82	-170.73	587.42	3597.50	3587.76	-182.02	-226.18	162.00	814.67	35.61	23.32	PASS	
3813.00†	3723.44	-178.90	615.51	3692.01	3681.86	-189.62	-230.71	162.08	847.31	36.76	23.48	PASS	
3913.00†	3819.06	-187.06	643.61	3786.53	3775.96	-197.22	-235.24	162.14	879.96	37.91	23.64	PASS	
4013.00†	3914.69	-195.23	671.70	3881.04	3870.06	-204.82	-239.77	162.21	912.61	39.06	23.78	PASS	
4113.00†	4010.31	-203.39	699.80	3975.56	3964.16	-212.42	-244.29	162.26	945.26	40.22	23.91	PASS	
4213.00†	4105.94	-211.56	727.89	4070.08	4058.26	-220.02	-248.82	162.32	977.91	41.37	24.03	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: CONNER 19-18-2CDH PWB Offset Wellpath: CONNER 19-18-2CDH PWP (REV-A.0)

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: CONNER 19-18-2CDH PWB Offset Wellpath: CONNER 19-18-2CDH PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
9.625in Casing Surface	13.00	700.00	687.00	13.00	700.00	0.00	-71.79	0.00	-71.79
8.5in Open Hole	700.00	17772.62	17072.62	700.00	7662.00	0.00	-71.79	3007.71	-157.19



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 85 of 103



REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

SURVEY PROGRAM - Offset Wellbore: CONNER 19-18-2CDH PWB Offset Wellpath: CONNER 19-18-2CDH PWP (REV-A.0)				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
13.00	700.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		CONNER 19-18-2CDH PWB
700.00	17772.62	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)		CONNER 19-18-2CDH PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: CONNER 19-18-2CDH PWB Offset Wellpath: CONNER 19-18-2CDH PWP (REV-A.0)	
MD Reference: RIG (5142'GL + 13'KB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	13.00ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 86 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: AMOCO #17-32 AWB Offset Wellpath: AMOCO #17-32 AWP

Facility: SEC.17-T01S-R65W				Slot: SLOT#01 EX AMOCO #17-32 (2013'FSL & 464'FWL, SEC.17, PR,8140')			Well: AMOCO #17-32		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
13.00	13.00	0.00	0.00	-13.00	33.00	6764.96	3279.68	25.86		7518.07	25.40	305.56	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: AMOCO #17-32 AWB Offset Wellpath: AMOCO #17-32 AWP

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

WELLPATH COMPOSITION - Offset Wellbore: AMOCO #17-32 AWB Offset Wellpath: AMOCO #17-32 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	8140.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL <8140>	AMOCO #17-32 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: AMOCO #17-32 AWB Offset Wellpath: AMOCO #17-32 AWP

MD Reference: Rig on SLOT#01 EX AMOCO #17-32 (2013'FSL & 464'FWL, SEC.17, PR,8140') (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 87 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: GAIL 1 AWB Offset Wellpath: GAIL 1 AWP

Facility: SEC.18-T01S-65W		Slot: SLOT#02 EX GAIL 1 (2140'FNL & 2029'FWL, SEC.18, PR,8226')				Well: GAIL 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
13.00	13.00	0.00	0.00	-13.00	67.00	8130.81	58.86	0.42	8131.20	25.40	330.49	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GAIL 1 AWB Offset Wellpath: GAIL 1 AWP

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

WELLPATH COMPOSITION - Offset Wellbore: GAIL 1 AWB Offset Wellpath: GAIL 1 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	8226.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL <8226>	GAIL 1 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: GAIL 1 AWB Offset Wellpath: GAIL 1 AWP

MD Reference: Rig on SLOT #02 EX GAIL 1 (2140'FNL & 2029'FWL, SEC.18, PR,8226') (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 88 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-1NBH PWB Offset Wellpath: CONNER 19-18-1NBH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#04 CONNER 19-18-1NBH (350'FSL & 1840'FWL, SEC.19) Well: CONNER 19-18-1NBH 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	
13.00	13.00	0.00	0.00	13.00	13.00	0.00	-134.59	-90.00	134.59	1.40	222.98	PASS	
113.00†	113.00	0.00	0.00	113.00	113.00	0.00	-134.59	-90.00	134.59	1.88	124.05	PASS	
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-134.59	-90.00	134.59	2.67	71.71	PASS	
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-134.59	-90.00	134.59	3.49	49.69	PASS	
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-134.59	-90.00	134.59	4.33	37.89	PASS	
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-134.59	-90.00	134.59	5.18	30.58	PASS	
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-134.59	-90.00	134.59	6.02	25.63	PASS	
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-134.59	-90.00	134.59	6.36	23.69	PASS	
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	-134.59	-90.00	134.59	6.49	23.16	PASS	
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	-134.59	-90.00	134.59	6.81	21.96	PASS	
1013.00†	1013.00	0.00	0.00	1012.54	1012.54	-0.02	-134.61	-90.01	134.61	7.28	20.38	PASS	
1113.00†	1113.00	0.00	0.00	1108.92	1108.89	-1.28	-136.22	-90.54	136.29	7.94	18.75	PASS	
1200.00	1200.00	0.00	0.00	1192.58	1192.43	-3.99	-139.68	-91.64	139.94	8.74	17.33	PASS	
1213.00†	1213.00	-0.01	0.03	1205.05	1204.88	-4.52	-140.36	161.95	140.70	8.87	17.16	PASS	
1313.00†	1312.97	-0.62	2.14	1300.57	1300.02	-9.71	-146.99	160.23	149.97	9.91	16.23	PASS	
1413.00†	1412.80	-2.21	7.60	1395.70	1394.45	-16.79	-156.03	158.47	165.30	11.07	15.88	PASS	
1513.00†	1512.38	-4.77	16.40	1493.69	1491.58	-24.77	-166.22	157.15	184.89	12.10	16.17	PASS	
1613.00†	1611.57	-8.29	28.54	1591.04	1588.08	-32.70	-176.34	156.41	207.66	13.14	16.65	PASS	
1713.00†	1710.26	-12.79	43.99	1687.63	1683.82	-40.56	-186.38	156.11	233.54	14.16	17.31	PASS	
1813.00†	1808.33	-18.23	62.74	1783.34	1778.69	-48.35	-196.33	156.12	262.49	15.21	18.06	PASS	
1913.00†	1905.66	-24.64	84.76	1878.04	1872.57	-56.06	-206.17	156.33	294.49	16.27	18.87	PASS	
2013.00†	2002.13	-31.98	110.04	1971.64	1965.35	-63.68	-215.90	156.68	329.53	17.38	19.72	PASS	
2050.60	2038.16	-34.99	120.37	2006.52	1999.93	-66.52	-219.53	156.84	343.50	17.74	20.12	PASS	
2113.00†	2097.83	-40.08	137.90	2064.26	2057.16	-71.22	-225.53	157.27	367.02	18.34	20.77	PASS	
2213.00†	2193.45	-48.25	166.00	2156.79	2148.88	-78.75	-235.15	157.86	404.77	19.32	21.71	PASS	
2313.00†	2289.08	-56.41	194.09	2249.32	2240.60	-86.29	-244.77	158.35	442.54	20.33	22.52	PASS	
2413.00†	2384.70	-64.58	222.19	2341.85	2332.32	-93.82	-254.39	158.76	480.33	21.35	23.24	PASS	
2513.00†	2480.32	-72.74	250.28	2434.39	2424.04	-101.35	-264.00	159.11	518.15	22.39	23.87	PASS	
2613.00†	2575.95	-80.91	278.38	2526.92	2515.76	-108.88	-273.62	159.42	555.98	23.44	24.43	PASS	
2713.00†	2671.57	-89.08	306.47	2619.45	2607.48	-116.42	-283.24	159.68	593.81	24.50	24.92	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 89 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-1NBH PWB Offset Wellpath: CONNER 19-18-1NBH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#04 CONNER 19-18-1NBH (350'FSL & 1840'FWL, SEC.19)						Well: CONNER 19-18-1NBH		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
2813.00†	2767.20	-97.24	334.57	2711.98	2699.21	-123.95	-292.86	159.92	631.66	25.58	25.37	PASS
2913.00†	2862.82	-105.41	362.66	2804.51	2790.93	-131.48	-302.48	160.12	669.52	26.66	25.77	PASS
3013.00†	2958.45	-113.57	390.76	2897.04	2882.65	-139.02	-312.10	160.31	707.39	27.76	26.13	PASS
3113.00†	3054.07	-121.74	418.85	2989.57	2974.37	-146.55	-321.72	160.48	745.26	28.86	26.45	PASS
3213.00†	3149.69	-129.90	446.94	3082.11	3066.09	-154.08	-331.33	160.63	783.13	29.96	26.74	PASS
3313.00†	3245.32	-138.07	475.04	3174.64	3157.81	-161.61	-340.95	160.76	821.01	31.08	27.01	PASS
3413.00†	3340.94	-146.23	503.13	3267.17	3249.53	-169.15	-350.57	160.89	858.89	32.19	27.26	PASS
3513.00†	3436.57	-154.40	531.23	3359.70	3341.26	-176.68	-360.19	161.00	896.78	33.32	27.48	PASS
3613.00†	3532.19	-162.57	559.32	3452.23	3432.98	-184.21	-369.81	161.10	934.67	34.44	27.68	PASS
3713.00†	3627.82	-170.73	587.42	3544.76	3524.70	-191.75	-379.43	161.20	972.56	35.57	27.87	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: CONNER 19-18-1NBH PWB Offset Wellpath: CONNER 19-18-1NBH PWP (REV-A.0)

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: CONNER 19-18-1NBH PWB Offset Wellpath: CONNER 19-18-1NBH PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
9.625in Casing Surface	13.00	700.00	687.00	13.00	700.00	0.00	-82.04	0.00	-82.04
8.5in Open Hole	700.00	17552.06	16852.06	700.00	7422.00	0.00	-82.04	3005.49	-273.37



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 90 of 103



REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

SURVEY PROGRAM - Offset Wellbore: CONNER 19-18-1NBH PWB Offset Wellpath: CONNER 19-18-1NBH PWP (REV-A.0)				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
13.00	700.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		CONNER 19-18-1NBH PWB
700.00	17552.06	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)		CONNER 19-18-1NBH PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: CONNER 19-18-1NBH PWB Offset Wellpath: CONNER 19-18-1NBH PWP (REV-A.0)	
MD Reference: RIG (5142'GL + 13'KB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	13.00ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 91 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-1NCH PWB Offset Wellpath: CONNER 19-18-1NCH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#03 CONNER 19-18-1NCH (350'FSL & 1825'FWL, SEC.19) Well: CONNER 19-18-1NCH 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
13.00	13.00	0.00	0.00	13.00	13.00	0.00	-148.61	-90.00	148.61	1.40	246.34	PASS
113.00†	113.00	0.00	0.00	113.00	113.00	0.00	-148.61	-90.00	148.61	1.88	136.87	PASS
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-148.61	-90.00	148.61	2.67	79.12	PASS
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-148.61	-90.00	148.61	3.50	54.84	PASS
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-148.61	-90.00	148.61	4.34	41.82	PASS
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-148.61	-90.00	148.61	5.18	33.76	PASS
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-148.61	-90.00	148.61	6.03	28.29	PASS
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-148.61	-90.00	148.61	6.36	26.15	PASS
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	-148.61	-90.00	148.61	6.49	25.57	PASS
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	-148.61	-90.00	148.61	6.81	24.24	PASS
1013.00†	1013.00	0.00	0.00	1012.43	1012.43	-0.01	-148.63	-90.01	148.63	7.28	22.50	PASS
1113.00†	1113.00	0.00	0.00	1107.96	1107.93	-0.92	-150.42	-90.35	150.51	7.96	20.66	PASS
1200.00	1200.00	0.00	0.00	1190.88	1190.74	-2.89	-154.27	-91.07	154.57	8.80	19.01	PASS
1213.00†	1213.00	-0.01	0.03	1203.25	1203.08	-3.27	-155.03	162.58	155.41	8.93	18.81	PASS
1313.00†	1312.97	-0.62	2.14	1297.91	1297.37	-7.03	-162.39	161.48	165.39	10.00	17.73	PASS
1413.00†	1412.80	-2.21	7.60	1391.36	1390.15	-12.13	-172.38	160.41	181.67	11.27	17.13	PASS
1513.00†	1512.38	-4.77	16.40	1483.09	1480.80	-18.47	-184.80	159.44	204.13	12.43	17.36	PASS
1613.00†	1611.57	-8.29	28.54	1577.20	1573.45	-26.00	-199.57	158.65	231.95	13.47	18.12	PASS
1713.00†	1710.26	-12.79	43.99	1672.25	1666.98	-33.67	-214.61	158.23	263.02	14.44	19.10	PASS
1813.00†	1808.33	-18.23	62.74	1766.23	1759.47	-41.26	-229.48	158.07	297.16	15.44	20.12	PASS
1913.00†	1905.66	-24.64	84.76	1859.04	1850.80	-48.75	-244.16	158.11	334.34	16.48	21.15	PASS
2013.00†	2002.13	-31.98	110.04	1950.57	1940.88	-56.14	-258.64	158.26	374.51	17.54	22.21	PASS
2050.60	2038.16	-34.99	120.37	1984.64	1974.40	-58.89	-264.03	158.34	390.39	17.91	22.66	PASS
2113.00†	2097.83	-40.08	137.90	2040.99	2029.86	-63.44	-272.95	158.67	417.09	18.45	23.47	PASS
2213.00†	2193.45	-48.25	166.00	2131.31	2118.74	-70.73	-287.23	159.13	459.90	19.39	24.58	PASS
2313.00†	2289.08	-56.41	194.09	2221.63	2207.63	-78.02	-301.52	159.50	502.73	20.36	25.55	PASS
2413.00†	2384.70	-64.58	222.19	2311.95	2296.51	-85.31	-315.81	159.82	545.57	21.34	26.40	PASS
2513.00†	2480.32	-72.74	250.28	2402.27	2385.39	-92.60	-330.10	160.09	588.43	22.35	27.16	PASS
2613.00†	2575.95	-80.91	278.38	2492.58	2474.27	-99.89	-344.39	160.32	631.30	23.37	27.82	PASS
2713.00†	2671.57	-89.08	306.47	2582.90	2563.15	-107.18	-358.68	160.53	674.17	24.41	28.42	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 92 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-1NCH PWB Offset Wellpath: CONNER 19-18-1NCH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#03 CONNER 19-18-1NCH (350'FSL & 1825'FWL, SEC.19) Well: CONNER 19-18-1NCH 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
2813.00†	2767.20	-97.24	334.57	2673.22	2652.04	-114.47	-372.97	160.71	717.05	25.46	28.94	PASS
2913.00†	2862.82	-105.41	362.66	2763.54	2740.92	-121.76	-387.26	160.87	759.94	26.52	29.42	PASS
3013.00†	2958.45	-113.57	390.76	2853.86	2829.80	-129.05	-401.55	161.01	802.83	27.58	29.85	PASS
3113.00†	3054.07	-121.74	418.85	2944.18	2918.68	-136.34	-415.84	161.14	845.72	28.66	30.23	PASS
3213.00†	3149.69	-129.90	446.94	3034.49	3007.57	-143.63	-430.13	161.25	888.62	29.74	30.58	PASS
3313.00†	3245.32	-138.07	475.04	3124.81	3096.45	-150.92	-444.41	161.36	931.52	30.84	30.90	PASS
3413.00†	3340.94	-146.23	503.13	3215.13	3185.33	-158.21	-458.70	161.46	974.42	31.93	31.19	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: CONNER 19-18-1NCH PWB Offset Wellpath: CONNER 19-18-1NCH PWP (REV-A.0)

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: CONNER 19-18-1NCH PWB Offset Wellpath: CONNER 19-18-1NCH PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
9.625in Casing Surface	13.00	700.00	687.00	13.00	700.00	0.00	-90.59	0.00	-90.59
8.5in Open Hole	700.00	17659.70	16959.70	700.00	7492.00	0.00	-90.59	3003.28	-388.70

SURVEY PROGRAM - Offset Wellbore: CONNER 19-18-1NCH PWB Offset Wellpath: CONNER 19-18-1NCH PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
13.00	700.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		CONNER 19-18-1NCH PWB
700.00	17720.63	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)		CONNER 19-18-1NCH PWB



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 93 of 103



REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: CONNER 19-18-1NCH PWB Offset Wellpath: CONNER 19-18-1NCH PWP (REV-A.0)	
MD Reference: RIG (5142'GL + 13'KB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	13.00ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 94 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-1NXH PWB Offset Wellpath: CONNER 19-18-1NXH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#02 CONNER 19-18-1NXH (350'FSL & 1810'FWL, SEC.19) Well: CONNER 19-18-1NXH 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
13.00	13.00	0.00	0.00	13.00	13.00	0.00	-162.63	-90.00	162.63	1.40	269.71	PASS
113.00†	113.00	0.00	0.00	113.00	113.00	0.00	-162.63	-90.00	162.63	1.88	149.71	PASS
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-162.63	-90.00	162.63	2.67	86.54	PASS
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-162.63	-90.00	162.63	3.50	59.99	PASS
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-162.63	-90.00	162.63	4.34	45.76	PASS
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-162.63	-90.00	162.63	5.18	36.94	PASS
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-162.63	-90.00	162.63	6.03	30.96	PASS
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-162.63	-90.00	162.63	6.37	28.62	PASS
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	-162.63	-90.00	162.63	6.50	27.98	PASS
913.00†	913.00	0.00	0.00	912.33	912.33	-0.01	-162.65	-90.00	162.65	6.81	26.54	PASS
1013.00†	1013.00	0.00	0.00	1007.12	1007.10	-0.57	-164.55	-90.20	164.65	7.39	24.52	PASS
1113.00†	1113.00	0.00	0.00	1101.68	1101.51	-2.03	-169.43	-90.69	169.83	8.34	22.16	PASS
1200.00	1200.00	0.00	0.00	1183.59	1183.13	-4.01	-176.07	-91.31	176.92	9.18	20.81	PASS
1213.00†	1213.00	-0.01	0.03	1195.80	1195.27	-4.37	-177.25	162.38	178.21	9.30	20.65	PASS
1313.00†	1312.97	-0.62	2.14	1289.02	1287.82	-7.55	-187.90	161.60	191.82	10.34	19.84	PASS
1413.00†	1412.80	-2.21	7.60	1380.72	1378.47	-11.52	-201.18	160.96	211.79	11.54	19.49	PASS
1513.00†	1512.38	-4.77	16.40	1470.38	1466.62	-16.20	-216.85	160.47	237.98	12.69	19.81	PASS
1613.00†	1611.57	-8.29	28.54	1562.13	1556.36	-21.66	-235.13	160.12	269.72	13.71	20.69	PASS
1713.00†	1710.26	-12.79	43.99	1655.77	1647.90	-27.30	-254.01	159.98	304.80	14.66	21.79	PASS
1813.00†	1808.33	-18.23	62.74	1748.19	1738.25	-32.87	-272.65	160.00	342.94	15.64	22.92	PASS
1913.00†	1905.66	-24.64	84.76	1839.28	1827.31	-38.35	-291.01	160.13	384.10	16.64	24.07	PASS
2013.00†	2002.13	-31.98	110.04	1928.94	1914.96	-43.76	-309.09	160.33	428.26	17.60	25.31	PASS
2050.60	2038.16	-34.99	120.37	1962.26	1947.53	-45.76	-315.81	160.41	445.63	17.97	25.78	PASS
2113.00†	2097.83	-40.08	137.90	2017.36	2001.40	-49.08	-326.92	160.75	474.81	18.52	26.62	PASS
2213.00†	2193.45	-48.25	166.00	2105.67	2087.73	-54.40	-344.73	161.21	521.59	19.42	27.84	PASS
2313.00†	2289.08	-56.41	194.09	2193.98	2174.06	-59.72	-362.54	161.60	568.40	20.34	28.92	PASS
2413.00†	2384.70	-64.58	222.19	2282.29	2260.39	-65.04	-380.34	161.93	615.22	21.28	29.86	PASS
2513.00†	2480.32	-72.74	250.28	2370.60	2346.72	-70.36	-398.15	162.21	662.06	22.25	30.70	PASS
2613.00†	2575.95	-80.91	278.38	2458.91	2433.06	-75.68	-415.96	162.46	708.90	23.23	31.45	PASS
2713.00†	2671.57	-89.08	306.47	2547.22	2519.39	-81.00	-433.76	162.67	755.76	24.22	32.11	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 95 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-1NXH PWB Offset Wellpath: CONNER 19-18-1NXH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#02 CONNER 19-18-1NXH (350'FSL & 1810'FWL, SEC.19)						Well: CONNER 19-18-1NXH		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
2813.00†	2767.20	-97.24	334.57	2635.52	2605.72	-86.32	-451.57	162.86	802.62	25.22	32.71	PASS
2913.00†	2862.82	-105.41	362.66	2723.83	2692.05	-91.64	-469.38	163.03	849.49	26.24	33.24	PASS
3013.00†	2958.45	-113.57	390.76	2812.14	2778.38	-96.96	-487.18	163.18	896.37	27.27	33.72	PASS
3113.00†	3054.07	-121.74	418.85	2900.45	2864.72	-102.28	-504.99	163.32	943.25	28.30	34.16	PASS
3213.00†	3149.69	-129.90	446.94	2988.76	2951.05	-107.60	-522.80	163.44	990.13	29.35	34.55	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: CONNER 19-18-1NXH PWB Offset Wellpath: CONNER 19-18-1NXH PWP (REV-A.0)

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: CONNER 19-18-1NXH PWB Offset Wellpath: CONNER 19-18-1NXH PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
9.625in Casing Surface	13.00	700.00	687.00	13.00	700.00	0.00	-99.14	0.00	-99.14
8.5in Open Hole	700.00	17349.29	16649.29	700.00	N/A	0.00	-99.14	N/A	N/A

SURVEY PROGRAM - Offset Wellbore: CONNER 19-18-1NXH PWB Offset Wellpath: CONNER 19-18-1NXH PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
13.00	700.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		CONNER 19-18-1NXH PWB
700.00	17349.29	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)		CONNER 19-18-1NXH PWB



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 96 of 103



REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: CONNER 19-18-1NXH PWB Offset Wellpath: CONNER 19-18-1NXH PWP (REV-A.0)	
MD Reference: RIG (5142'GL + 13'KB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	13.00ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 97 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-1CDH PWB Offset Wellpath: CONNER 19-18-1CDH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W Slot: SLOT#01 CONNER 19-18-1CDH (350'FSL & 1795'FWL, SEC.19) Well: CONNER 19-18-1CDH 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	
13.00	13.00	0.00	0.00	13.00	13.00	0.00	-179.45	-90.00	179.45	1.40	297.75	PASS	
113.00†	113.00	0.00	0.00	113.00	113.00	0.00	-179.45	-90.00	179.45	1.88	165.33	PASS	
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-179.45	-90.00	179.45	2.67	95.57	PASS	
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-179.45	-90.00	179.45	3.50	66.25	PASS	
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-179.45	-90.00	179.45	4.34	50.53	PASS	
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-179.45	-90.00	179.45	5.18	40.79	PASS	
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-179.45	-90.00	179.45	6.03	34.18	PASS	
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-179.45	-90.00	179.45	6.37	31.60	PASS	
813.00†	813.00	0.00	0.00	812.28	812.28	-0.01	-179.47	-90.00	179.48	6.49	30.90	PASS	
913.00†	913.00	0.00	0.00	906.70	906.68	-0.71	-181.31	-90.22	181.42	6.93	29.05	PASS	
1013.00†	1013.00	0.00	0.00	1000.90	1000.73	-2.51	-186.03	-90.77	186.45	7.78	26.28	PASS	
1113.00†	1113.00	0.00	0.00	1094.65	1094.13	-5.40	-193.59	-91.60	194.59	8.67	24.37	PASS	
1200.00	1200.00	0.00	0.00	1175.72	1174.64	-8.78	-202.43	-92.48	204.20	9.45	23.27	PASS	
1213.00†	1213.00	-0.01	0.03	1187.78	1186.60	-9.35	-203.93	161.16	205.87	9.57	23.15	PASS	
1313.00†	1312.97	-0.62	2.14	1279.79	1277.55	-14.30	-216.90	160.08	222.30	10.59	22.42	PASS	
1413.00†	1412.80	-2.21	7.60	1370.08	1366.32	-20.17	-232.26	159.17	244.98	11.76	22.11	PASS	
1513.00†	1512.38	-4.77	16.40	1462.28	1456.49	-27.05	-250.26	158.42	273.37	12.80	22.56	PASS	
1613.00†	1611.57	-8.29	28.54	1557.07	1549.11	-34.23	-269.08	157.96	305.20	13.73	23.38	PASS	
1713.00†	1710.26	-12.79	43.99	1650.78	1640.68	-41.34	-287.68	157.74	340.09	14.72	24.23	PASS	
1813.00†	1808.33	-18.23	62.74	1743.30	1731.09	-48.35	-306.04	157.70	377.98	15.73	25.11	PASS	
1913.00†	1905.66	-24.64	84.76	1834.52	1820.23	-55.27	-324.14	157.77	418.86	16.68	26.18	PASS	
2013.00†	2002.13	-31.98	110.04	1924.33	1907.99	-62.08	-341.97	157.92	462.68	17.69	27.20	PASS	
2050.60	2038.16	-34.99	120.37	1957.71	1940.61	-64.61	-348.59	157.99	479.92	18.07	27.61	PASS	
2113.00†	2097.83	-40.08	137.90	2012.92	1994.56	-68.79	-359.55	158.34	508.87	18.63	28.35	PASS	
2213.00†	2193.45	-48.25	166.00	2101.41	2081.03	-75.50	-377.11	158.81	555.30	19.56	29.42	PASS	
2313.00†	2289.08	-56.41	194.09	2189.89	2167.49	-82.21	-394.68	159.22	601.74	20.51	30.35	PASS	
2413.00†	2384.70	-64.58	222.19	2278.38	2253.95	-88.92	-412.24	159.56	648.21	21.48	31.17	PASS	
2513.00†	2480.32	-72.74	250.28	2366.86	2340.42	-95.62	-429.80	159.86	694.70	22.47	31.89	PASS	
2613.00†	2575.95	-80.91	278.38	2455.35	2426.88	-102.33	-447.36	160.12	741.20	23.48	32.52	PASS	
2713.00†	2671.57	-89.08	306.47	2543.83	2513.35	-109.04	-464.92	160.35	787.71	24.49	33.09	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 98 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: CONNER 19-18-1CDH PWB Offset Wellpath: CONNER 19-18-1CDH PWP (REV-A.0)

Facility: SEC.19-T01S-R65W		Slot: SLOT#01 CONNER 19-18-1CDH (350'FSL & 1795'FWL, SEC.19)				Well: CONNER 19-18-1CDH		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
2813.00†	2767.20	-97.24	334.57	2632.31	2599.81	-115.75	-482.48	160.56	834.23	25.53	33.58	PASS
2913.00†	2862.82	-105.41	362.66	2720.80	2686.27	-122.46	-500.05	160.74	880.75	26.57	34.03	PASS
3013.00†	2958.45	-113.57	390.76	2809.28	2772.74	-129.16	-517.61	160.91	927.28	27.62	34.43	PASS
3113.00†	3054.07	-121.74	418.85	2897.77	2859.20	-135.87	-535.17	161.06	973.82	28.68	34.79	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: CONNER 19-18-1CDH PWB Offset Wellpath: CONNER 19-18-1CDH PWP (REV-A.0)

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: CONNER 19-18-1CDH PWB Offset Wellpath: CONNER 19-18-1CDH PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
9.625in Casing Surface	13.00	700.00	687.00	13.00	700.00	0.00	-109.39	0.00	-109.39
8.5in Open Hole	700.00	17868.37	17168.37	700.00	N/A	0.00	-109.39	N/A	N/A

SURVEY PROGRAM - Offset Wellbore: CONNER 19-18-1CDH PWB Offset Wellpath: CONNER 19-18-1CDH PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
13.00	700.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		CONNER 19-18-1CDH PWB
700.00	17868.37	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)		CONNER 19-18-1CDH PWB



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 99 of 103



REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: CONNER 19-18-1CDH PWB Offset Wellpath: CONNER 19-18-1CDH PWP (REV-A.0)	
MD Reference: RIG (5142'GL + 13'KB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	13.00ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 100 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: GAIL SMITH 1 AWB Offset Wellpath: GAIL SMITH 1 AWP

Facility: SEC.18-T01S-65W		Slot: SLOT#01 EX GAIL SMITH 1 (466'FNL & 460'FWL, SEC.18, PR, 8100')				Well: GAIL SMITH 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
13.00	13.00	0.00	0.00	-13.00	84.00	9770.14	-1507.91	-8.77	9886.07	25.40	401.82	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: GAIL SMITH 1 AWB Offset Wellpath: GAIL SMITH 1 AWP

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

WELLPATH COMPOSITION - Offset Wellbore: GAIL SMITH 1 AWB Offset Wellpath: GAIL SMITH 1 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	8100.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL <8100>	GAIL SMITH 1 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: GAIL SMITH 1 AWB Offset Wellpath: GAIL SMITH 1 AWP

MD Reference: Rig on SLOT#01 EX GAIL SMITH 1 (466'FNL & 460'FWL, SEC.18, PR, 8100') (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 101 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.18-T01S-R65W				Slot: SLOT#01 MILHEIM #1 (990'FSL & 990'FWL, SEC.18, PA,8125')			Well: MILHEIM #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
13.00	13.00	0.00	0.00	-13.00	46.00	5923.27	-1030.47	-9.87	6012.33	25.40	244.36	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	8125.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL <8125>	MILHEIM #1 AWB

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

MD Reference: Rig on SLOT#01 MILHEIM #1 (990'FSL & 990'FWL, SEC.18, PA,8125') (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 102 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

CLEARANCE DATA - Offset Wellbore: UPPR-LETTERLY #1 AWB Offset Wellpath: UPPR-LETTERLY #1 AWP

Facility: SEC.19-T01S-R65W				Slot: SLOT#17 EX UPPR-LETTERLY #1 (1450'FSL & 990'FWL, SEC.19, PA,8184)				Well: UPPR-LETTERLY #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	
13.00	13.00	0.00	0.00	-12.00	13.00	1030.94	-1041.89	-45.30	1465.74	1.10	4883.11	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: UPPR-LETTERLY #1 AWB Offset Wellpath: UPPR-LETTERLY #1 AWP

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

WELLPATH COMPOSITION - Offset Wellbore: UPPR-LETTERLY #1 AWB Offset Wellpath: UPPR-LETTERLY #1 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	8184.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL <8184>	UPPR-LETTERLY #1 AWB

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

MD Reference: Rig on SLOT#17 EX UPPR-LETTERLY #1 (1450'FSL & 990'FWL, SEC.19, PA,8184) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



Clearance Report

CONNER 19-18-4CDH PWP (REV-A.0)
Closest Approach
Page 103 of 103



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4CDH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.13-T01S-R66W Slot: SLOT#01 EX ROCK #1 (760'FSL & 930'FEL, SEC.13, PA,8120) Well: ROCK #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
13.00	13.00	0.00	0.00	-13.00	48.00	5693.93	-2953.52	-27.42	6414.46	25.40	260.70	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	8120.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL <8120>	ROCK #1 AWB

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

MD Reference: Rig on SLOT#01 EX ROCK #1 (760'FSL & 930'FEL, SEC.13, PA,8120) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft