

# PETROSHARE

Location: COLORADO Slot: SLOT#09 CONNER 19-18-3CDH (350°FSL & 1915°FWL, SEC.19)  
Field: ADAMS COUNTY (NAD83/ TRUE NORTH) Well: CONNER 19-18-3CDH  
Facility: SEC.19-T01S-R65W Wellbore: CONNER 19-18-3CDH PWB

Plot reference wellpath is CONNER 19-18-3CDH 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#09 CONNER 19-18-3CDH (350°FSL & 1915°FWL, SEC.19): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: ingmjmr on 2017-07-28
	Database: WA_DEN_Denver_Defn

## 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#09 CONNER 19-18-3CDH (350°FSL & 1915°FWL, SEC.19)	0.00	120.57		3222129.939	1223556.409	39°56'39.552"N	104°42'27.900"W
RIG (5142'GL + 13'KB) (RKB) to Mud line (At Slot: SLOT#09 CONNER 19-18-3CDH (350°FSL & 1915°FWL, SEC.19))				5155ft			
Mean Sea Level to Mud line (At Slot: SLOT#09 CONNER 19-18-3CDH (350°FSL & 1915°FWL, SEC.19))				0ft			
RIG (5142'GL + 13'KB) (RKB) to Mean Sea Level				5155ft			

## Well Profile Data

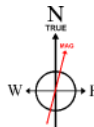
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	13.00	0.000	125.301	13.00	0.00	0.00	0.00	0.00
End of Tangent	1600.00	0.000	125.301	1600.00	0.00	0.00	0.00	0.00
End of Build	2033.52	8.670	125.301	2031.86	-18.92	26.72	2.00	-16.83
End of Tangent	7103.69	8.670	125.301	7044.09	-460.60	650.50	0.00	-409.82
End of 3D Arc	8053.48	90.000	0.146	7662.00	110.00	729.00	10.00	165.10
End of Tangent	17833.19	90.000	0.146	7662.00	9889.67	753.96	0.00	9918.37

## Survey Program

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

## Hole and Casing Sections

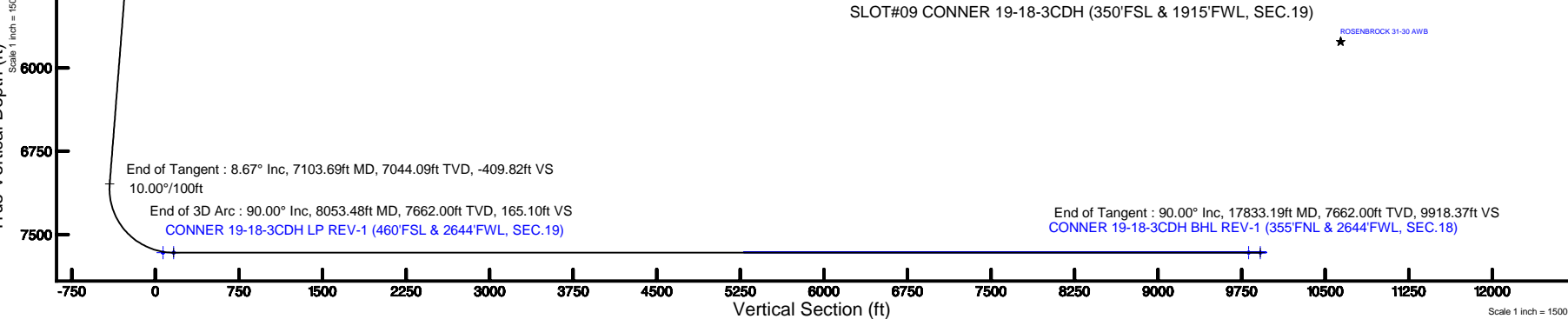
Name	Start MD (ft)	End MD (ft)	Interval (ft)	Start TVD (ft)	End TVD (ft)	Start Local N (ft)	Start Local E (ft)	End Local N (ft)	End Local E (ft)	Wellbore
9.625in Casing Surface	13.00	700.00	687.00	13.00	700.00	0.00	0.00	0.00	0.00	CONNER 19-18-3CDH PWB
8.5in Open Hole	700.00	17833.19	17133.19	700.00	N/A	0.00	0.00	N/A	N/A	CONNER 19-18-3CDH PWB



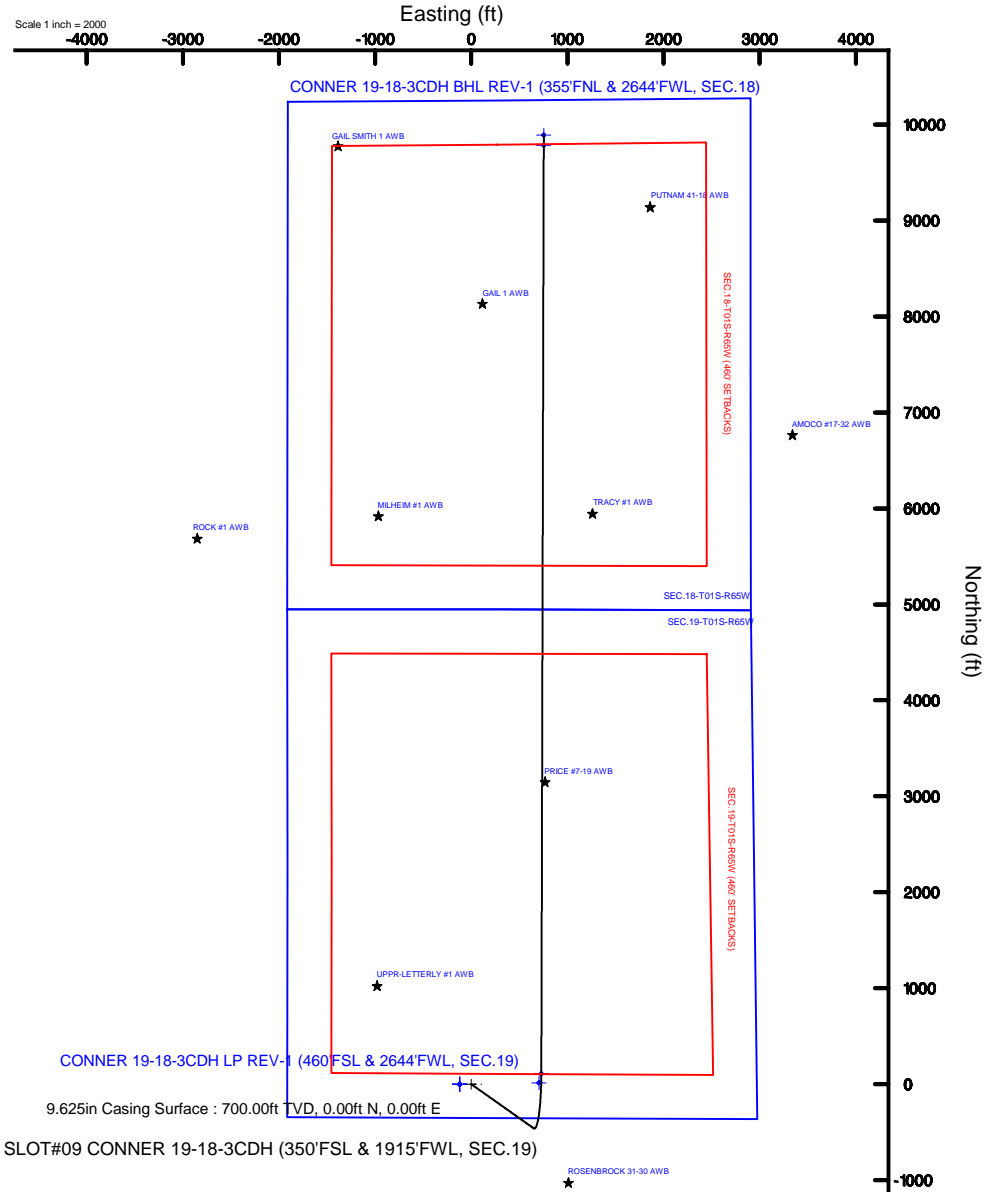
BGGM (1900.0 to 2019.0) Dip: 66.52° Field: 52170.6 nT  
Magnetic North is 8.32 degrees East of True North (at 7/17/2017)

To correct azimuth from Magnetic to True add 8.32 degrees

True Vertical Depth (ft)



Azimuth 4.36° with reference 0.00 N, 0.00 E





# Planned Wellpath Report

CONNER 19-18-3CDH PWP (REV-A.0)

Page 1 of 10



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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 8:15:17 AM
Convergence at slot	0.51° East	Database/Source file	WA_DEN_Denver_Defn/CONNER_19-18-3CDH_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	120.57	3222129.94	1223556.41	39°56'39.552"N	104°42'27.900"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#09 CONNER 19-18-3CDH (350'FSL & 1915'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	4.36°



# Planned Wellpath Report

CONNER 19-18-3CDH PWP (REV-A.0)

Page 2 of 10



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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	125.301	0.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.900"W	0.00	
13.00	0.000	125.301	13.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.900"W	0.00	Tie On
113.00†	0.000	125.301	113.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.900"W	0.00	
213.00†	0.000	125.301	213.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.900"W	0.00	
313.00†	0.000	125.301	313.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.900"W	0.00	
413.00†	0.000	125.301	413.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.900"W	0.00	
513.00†	0.000	125.301	513.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.900"W	0.00	
613.00†	0.000	125.301	613.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.900"W	0.00	
700.00†	0.000	125.301	700.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.900"W	0.00	FOX HILLS
713.00†	0.000	125.301	713.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.900"W	0.00	
813.00†	0.000	125.301	813.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.900"W	0.00	
913.00†	0.000	125.301	913.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.900"W	0.00	
1013.00†	0.000	125.301	1013.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.900"W	0.00	
1113.00†	0.000	125.301	1113.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.900"W	0.00	
1213.00†	0.000	125.301	1213.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.900"W	0.00	
1313.00†	0.000	125.301	1313.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.900"W	0.00	
1413.00†	0.000	125.301	1413.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.900"W	0.00	
1513.00†	0.000	125.301	1513.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.900"W	0.00	
1600.00	0.000	125.301	1600.00	0.00	0.00	0.00	39°56'39.552"N	104°42'27.900"W	0.00	End of Tangent
1613.00†	0.260	125.301	1613.00	-0.02	-0.02	0.02	39°56'39.552"N	104°42'27.900"W	2.00	
1713.00†	2.260	125.301	1712.97	-1.15	-1.29	1.82	39°56'39.539"N	104°42'27.877"W	2.00	
1813.00†	4.260	125.301	1812.80	-4.07	-4.57	6.46	39°56'39.507"N	104°42'27.817"W	2.00	
1913.00†	6.260	125.301	1912.38	-8.78	-9.87	13.94	39°56'39.454"N	104°42'27.721"W	2.00	
2013.00†	8.260	125.301	2011.57	-15.28	-17.17	24.25	39°56'39.382"N	104°42'27.589"W	2.00	
2033.52	8.670	125.301	2031.86	-16.83	-18.92	26.72	39°56'39.365"N	104°42'27.557"W	2.00	End of Build
2113.00†	8.670	125.301	2110.44	-22.99	-25.84	36.50	39°56'39.297"N	104°42'27.431"W	0.00	
2213.00†	8.670	125.301	2209.30	-30.74	-34.55	48.80	39°56'39.211"N	104°42'27.273"W	0.00	
2313.00†	8.670	125.301	2308.15	-38.50	-43.27	61.10	39°56'39.124"N	104°42'27.115"W	0.00	
2413.00†	8.670	125.301	2407.01	-46.25	-51.98	73.41	39°56'39.038"N	104°42'26.958"W	0.00	
2513.00†	8.670	125.301	2505.87	-54.00	-60.69	85.71	39°56'38.952"N	104°42'26.800"W	0.00	



# Planned Wellpath Report

CONNER 19-18-3CDH PWP (REV-A.0)

Page 3 of 10



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	8.670	125.301	2604.73	-61.75	-69.40	98.01	39°56'38.866"N	104°42'26.642"W	0.00	
2713.00†	8.670	125.301	2703.58	-69.50	-78.11	110.32	39°56'38.780"N	104°42'26.484"W	0.00	
2813.00†	8.670	125.301	2802.44	-77.25	-86.82	122.62	39°56'38.694"N	104°42'26.326"W	0.00	
2913.00†	8.670	125.301	2901.30	-85.00	-95.53	134.92	39°56'38.608"N	104°42'26.168"W	0.00	
3013.00†	8.670	125.301	3000.15	-92.75	-104.24	147.23	39°56'38.522"N	104°42'26.010"W	0.00	
3113.00†	8.670	125.301	3099.01	-100.50	-112.96	159.53	39°56'38.436"N	104°42'25.852"W	0.00	
3213.00†	8.670	125.301	3197.87	-108.25	-121.67	171.83	39°56'38.350"N	104°42'25.694"W	0.00	
3313.00†	8.670	125.301	3296.73	-116.00	-130.38	184.13	39°56'38.264"N	104°42'25.536"W	0.00	
3413.00†	8.670	125.301	3395.58	-123.75	-139.09	196.44	39°56'38.177"N	104°42'25.378"W	0.00	
3513.00†	8.670	125.301	3494.44	-131.51	-147.80	208.74	39°56'38.091"N	104°42'25.220"W	0.00	
3613.00†	8.670	125.301	3593.30	-139.26	-156.51	221.04	39°56'38.005"N	104°42'25.062"W	0.00	
3713.00†	8.670	125.301	3692.15	-147.01	-165.22	233.35	39°56'37.919"N	104°42'24.904"W	0.00	
3813.00†	8.670	125.301	3791.01	-154.76	-173.93	245.65	39°56'37.833"N	104°42'24.746"W	0.00	
3913.00†	8.670	125.301	3889.87	-162.51	-182.65	257.95	39°56'37.747"N	104°42'24.588"W	0.00	
4013.00†	8.670	125.301	3988.73	-170.26	-191.36	270.26	39°56'37.661"N	104°42'24.430"W	0.00	
4113.00†	8.670	125.301	4087.58	-178.01	-200.07	282.56	39°56'37.575"N	104°42'24.272"W	0.00	
4213.00†	8.670	125.301	4186.44	-185.76	-208.78	294.86	39°56'37.489"N	104°42'24.114"W	0.00	
4313.00†	8.670	125.301	4285.30	-193.51	-217.49	307.17	39°56'37.403"N	104°42'23.956"W	0.00	
4413.00†	8.670	125.301	4384.15	-201.26	-226.20	319.47	39°56'37.317"N	104°42'23.798"W	0.00	
4513.00†	8.670	125.301	4483.01	-209.01	-234.91	331.77	39°56'37.230"N	104°42'23.640"W	0.00	
4613.00†	8.670	125.301	4581.87	-216.77	-243.63	344.07	39°56'37.144"N	104°42'23.482"W	0.00	
4713.00†	8.670	125.301	4680.73	-224.52	-252.34	356.38	39°56'37.058"N	104°42'23.324"W	0.00	
4813.00†	8.670	125.301	4779.58	-232.27	-261.05	368.68	39°56'36.972"N	104°42'23.166"W	0.00	
4879.17†	8.670	125.301	4845.00	-237.40	-266.81	376.82	39°56'36.915"N	104°42'23.062"W	0.00	SUSSEX/SHANNON
4913.00†	8.670	125.301	4878.44	-240.02	-269.76	380.98	39°56'36.886"N	104°42'23.009"W	0.00	
5013.00†	8.670	125.301	4977.30	-247.77	-278.47	393.29	39°56'36.800"N	104°42'22.851"W	0.00	
5113.00†	8.670	125.301	5076.16	-255.52	-287.18	405.59	39°56'36.714"N	104°42'22.693"W	0.00	
5213.00†	8.670	125.301	5175.01	-263.27	-295.89	417.89	39°56'36.628"N	104°42'22.535"W	0.00	
5313.00†	8.670	125.301	5273.87	-271.02	-304.60	430.20	39°56'36.542"N	104°42'22.377"W	0.00	
5413.00†	8.670	125.301	5372.73	-278.77	-313.32	442.50	39°56'36.456"N	104°42'22.219"W	0.00	



# Planned Wellpath Report

CONNER 19-18-3CDH PWP (REV-A.0)

Page 4 of 10



REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	8.670	125.301	5471.58	-286.52	-322.03	454.80	39°56'36.370"N	104°42'22.061"W	0.00	
5613.00†	8.670	125.301	5570.44	-294.27	-330.74	467.10	39°56'36.283"N	104°42'21.903"W	0.00	
5713.00†	8.670	125.301	5669.30	-302.02	-339.45	479.41	39°56'36.197"N	104°42'21.745"W	0.00	
5813.00†	8.670	125.301	5768.16	-309.78	-348.16	491.71	39°56'36.111"N	104°42'21.587"W	0.00	
5913.00†	8.670	125.301	5867.01	-317.53	-356.87	504.01	39°56'36.025"N	104°42'21.429"W	0.00	
6013.00†	8.670	125.301	5965.87	-325.28	-365.58	516.32	39°56'35.939"N	104°42'21.271"W	0.00	
6113.00†	8.670	125.301	6064.73	-333.03	-374.30	528.62	39°56'35.853"N	104°42'21.113"W	0.00	
6213.00†	8.670	125.301	6163.58	-340.78	-383.01	540.92	39°56'35.767"N	104°42'20.955"W	0.00	
6313.00†	8.670	125.301	6262.44	-348.53	-391.72	553.23	39°56'35.681"N	104°42'20.797"W	0.00	
6413.00†	8.670	125.301	6361.30	-356.28	-400.43	565.53	39°56'35.595"N	104°42'20.639"W	0.00	
6513.00†	8.670	125.301	6460.16	-364.03	-409.14	577.83	39°56'35.509"N	104°42'20.481"W	0.00	
6613.00†	8.670	125.301	6559.01	-371.78	-417.85	590.14	39°56'35.423"N	104°42'20.323"W	0.00	
6713.00†	8.670	125.301	6657.87	-379.53	-426.56	602.44	39°56'35.336"N	104°42'20.165"W	0.00	
6813.00†	8.670	125.301	6756.73	-387.28	-435.27	614.74	39°56'35.250"N	104°42'20.007"W	0.00	
6913.00†	8.670	125.301	6855.59	-395.04	-443.99	627.04	39°56'35.164"N	104°42'19.849"W	0.00	
7013.00†	8.670	125.301	6954.44	-402.79	-452.70	639.35	39°56'35.078"N	104°42'19.691"W	0.00	
7103.69	8.670	125.301	7044.09	-409.82	-460.60	650.50	39°56'35.000"N	104°42'19.548"W	0.00	End of Tangent
7113.00†	8.174	119.918	7053.31	-410.46	-461.33	651.65	39°56'34.993"N	104°42'19.533"W	10.00	
7213.00†	9.260	50.027	7152.40	-407.90	-459.71	664.01	39°56'35.009"N	104°42'19.375"W	10.00	
7309.13†	17.074	24.096	7246.00	-389.17	-441.81	675.73	39°56'35.186"N	104°42'19.224"W	10.00	NIOBRARA A CHALK
7313.00†	17.426	23.551	7249.70	-388.09	-440.76	676.19	39°56'35.196"N	104°42'19.218"W	10.00	
7333.34†	19.295	21.008	7269.00	-381.99	-434.83	678.61	39°56'35.255"N	104°42'19.187"W	10.00	NIOBRARA A MARL
7413.00†	26.842	14.409	7342.25	-351.62	-405.08	687.82	39°56'35.549"N	104°42'19.069"W	10.00	
7504.03†	35.677	10.146	7420.00	-304.88	-358.95	697.63	39°56'36.005"N	104°42'18.943"W	10.00	NIOBRARA B CHALK
7513.00†	36.554	9.827	7427.25	-299.62	-353.74	698.55	39°56'36.056"N	104°42'18.931"W	10.00	
7547.06†	39.891	8.724	7454.00	-278.62	-332.94	701.94	39°56'36.262"N	104°42'18.888"W	10.00	NIOBRARA B MARL
7609.97†	46.078	7.043	7500.00	-235.83	-290.48	707.78	39°56'36.681"N	104°42'18.813"W	10.00	NIOBRARA C CHALK
7613.00†	46.376	6.971	7502.10	-233.65	-288.31	708.05	39°56'36.703"N	104°42'18.809"W	10.00	
7647.28†	49.756	6.204	7525.00	-208.17	-262.98	710.97	39°56'36.953"N	104°42'18.772"W	10.00	NIOBRARA C MARL
7713.00†	56.249	4.925	7564.53	-155.72	-210.76	716.03	39°56'37.469"N	104°42'18.707"W	10.00	



# Planned Wellpath Report

CONNER 19-18-3CDH PWP (REV-A.0)

Page 5 of 10



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	66.148	3.306	7612.65	-68.21	-123.47	722.25	39°56'38.332"N	104°42'18.627"W	10.00	
7869.70†	71.768	2.500	7633.00	-15.33	-70.64	724.92	39°56'38.854"N	104°42'18.593"W	10.00	FORT HAYS
7913.00†	76.062	1.919	7645.00	26.24	-29.07	726.53	39°56'39.265"N	104°42'18.572"W	10.00	
8013.00†	85.983	0.648	7660.58	124.74	69.55	728.72	39°56'40.239"N	104°42'18.544"W	10.00	
8053.48	90.000	0.146	7662.00†	165.10	110.00	729.00	39°56'40.639"N	104°42'18.540"W	10.00	End of 3D Arc
8113.00†	90.000	0.146	7662.00	224.45	169.52	729.15	39°56'41.227"N	104°42'18.538"W	0.00	
8213.00†	90.000	0.146	7662.00	324.18	269.52	729.41	39°56'42.215"N	104°42'18.535"W	0.00	
8313.00†	90.000	0.146	7662.00	423.91	369.52	729.66	39°56'43.204"N	104°42'18.532"W	0.00	
8413.00†	90.000	0.146	7662.00	523.64	469.52	729.92	39°56'44.192"N	104°42'18.528"W	0.00	
8513.00†	90.000	0.146	7662.00	623.37	569.52	730.17	39°56'45.180"N	104°42'18.525"W	0.00	
8613.00†	90.000	0.146	7662.00	723.10	669.52	730.43	39°56'46.168"N	104°42'18.522"W	0.00	
8713.00†	90.000	0.146	7662.00	822.83	769.51	730.68	39°56'47.157"N	104°42'18.518"W	0.00	
8813.00†	90.000	0.146	7662.00	922.56	869.51	730.94	39°56'48.145"N	104°42'18.515"W	0.00	
8913.00†	90.000	0.146	7662.00	1022.29	969.51	731.19	39°56'49.133"N	104°42'18.512"W	0.00	
9013.00†	90.000	0.146	7662.00	1122.02	1069.51	731.45	39°56'50.121"N	104°42'18.508"W	0.00	
9113.00†	90.000	0.146	7662.00	1221.75	1169.51	731.70	39°56'51.110"N	104°42'18.505"W	0.00	
9213.00†	90.000	0.146	7662.00	1321.48	1269.51	731.96	39°56'52.098"N	104°42'18.502"W	0.00	
9313.00†	90.000	0.146	7662.00	1421.21	1369.51	732.21	39°56'53.086"N	104°42'18.498"W	0.00	
9413.00†	90.000	0.146	7662.00	1520.94	1469.51	732.47	39°56'54.074"N	104°42'18.495"W	0.00	
9513.00†	90.000	0.146	7662.00	1620.67	1569.51	732.72	39°56'55.062"N	104°42'18.492"W	0.00	
9613.00†	90.000	0.146	7662.00	1720.40	1669.51	732.98	39°56'56.051"N	104°42'18.488"W	0.00	
9713.00†	90.000	0.146	7662.00	1820.13	1769.51	733.23	39°56'57.039"N	104°42'18.485"W	0.00	
9813.00†	90.000	0.146	7662.00	1919.86	1869.51	733.49	39°56'58.027"N	104°42'18.482"W	0.00	
9913.00†	90.000	0.146	7662.00	2019.59	1969.51	733.74	39°56'59.015"N	104°42'18.479"W	0.00	
10013.00†	90.000	0.146	7662.00	2119.32	2069.51	734.00	39°57'00.004"N	104°42'18.475"W	0.00	
10113.00†	90.000	0.146	7662.00	2219.05	2169.51	734.26	39°57'00.992"N	104°42'18.472"W	0.00	
10213.00†	90.000	0.146	7662.00	2318.78	2269.51	734.51	39°57'01.980"N	104°42'18.469"W	0.00	
10313.00†	90.000	0.146	7662.00	2418.51	2369.51	734.77	39°57'02.968"N	104°42'18.465"W	0.00	
10413.00†	90.000	0.146	7662.00	2518.24	2469.51	735.02	39°57'03.957"N	104°42'18.462"W	0.00	
10513.00†	90.000	0.146	7662.00	2617.97	2569.51	735.28	39°57'04.945"N	104°42'18.459"W	0.00	





# Planned Wellpath Report

CONNER 19-18-3CDH PWP (REV-A.0)

Page 6 of 10



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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	0.146	7662.00	2717.70	2669.51	735.53	39°57'05.933"N	104°42'18.455"W	0.00	
10713.00†	90.000	0.146	7662.00	2817.43	2769.51	735.79	39°57'06.921"N	104°42'18.452"W	0.00	
10813.00†	90.000	0.146	7662.00	2917.16	2869.51	736.04	39°57'07.910"N	104°42'18.449"W	0.00	
10913.00†	90.000	0.146	7662.00	3016.89	2969.51	736.30	39°57'08.898"N	104°42'18.445"W	0.00	
11013.00†	90.000	0.146	7662.00	3116.62	3069.51	736.55	39°57'09.886"N	104°42'18.442"W	0.00	
11113.00†	90.000	0.146	7662.00	3216.35	3169.51	736.81	39°57'10.874"N	104°42'18.439"W	0.00	
11213.00†	90.000	0.146	7662.00	3316.08	3269.51	737.06	39°57'11.863"N	104°42'18.435"W	0.00	
11313.00†	90.000	0.146	7662.00	3415.81	3369.51	737.32	39°57'12.851"N	104°42'18.432"W	0.00	
11413.00†	90.000	0.146	7662.00	3515.53	3469.51	737.57	39°57'13.839"N	104°42'18.429"W	0.00	
11513.00†	90.000	0.146	7662.00	3615.26	3569.51	737.83	39°57'14.827"N	104°42'18.426"W	0.00	
11613.00†	90.000	0.146	7662.00	3714.99	3669.51	738.08	39°57'15.815"N	104°42'18.422"W	0.00	
11713.00†	90.000	0.146	7662.00	3814.72	3769.51	738.34	39°57'16.804"N	104°42'18.419"W	0.00	
11813.00†	90.000	0.146	7662.00	3914.45	3869.50	738.59	39°57'17.792"N	104°42'18.416"W	0.00	
11913.00†	90.000	0.146	7662.00	4014.18	3969.50	738.85	39°57'18.780"N	104°42'18.412"W	0.00	
12013.00†	90.000	0.146	7662.00	4113.91	4069.50	739.10	39°57'19.768"N	104°42'18.409"W	0.00	
12113.00†	90.000	0.146	7662.00	4213.64	4169.50	739.36	39°57'20.757"N	104°42'18.406"W	0.00	
12213.00†	90.000	0.146	7662.00	4313.37	4269.50	739.61	39°57'21.745"N	104°42'18.402"W	0.00	
12313.00†	90.000	0.146	7662.00	4413.10	4369.50	739.87	39°57'22.733"N	104°42'18.399"W	0.00	
12413.00†	90.000	0.146	7662.00	4512.83	4469.50	740.12	39°57'23.721"N	104°42'18.396"W	0.00	
12513.00†	90.000	0.146	7662.00	4612.56	4569.50	740.38	39°57'24.710"N	104°42'18.392"W	0.00	
12613.00†	90.000	0.146	7662.00	4712.29	4669.50	740.63	39°57'25.698"N	104°42'18.389"W	0.00	
12713.00†	90.000	0.146	7662.00	4812.02	4769.50	740.89	39°57'26.686"N	104°42'18.386"W	0.00	
12813.00†	90.000	0.146	7662.00	4911.75	4869.50	741.14	39°57'27.674"N	104°42'18.382"W	0.00	
12913.00†	90.000	0.146	7662.00	5011.48	4969.50	741.40	39°57'28.663"N	104°42'18.379"W	0.00	
13013.00†	90.000	0.146	7662.00	5111.21	5069.50	741.66	39°57'29.651"N	104°42'18.376"W	0.00	
13113.00†	90.000	0.146	7662.00	5210.94	5169.50	741.91	39°57'30.639"N	104°42'18.372"W	0.00	
13213.00†	90.000	0.146	7662.00	5310.67	5269.50	742.17	39°57'31.627"N	104°42'18.369"W	0.00	
13313.00†	90.000	0.146	7662.00	5410.40	5369.50	742.42	39°57'32.615"N	104°42'18.366"W	0.00	
13413.00†	90.000	0.146	7662.00	5510.13	5469.50	742.68	39°57'33.604"N	104°42'18.363"W	0.00	
13513.00†	90.000	0.146	7662.00	5609.86	5569.50	742.93	39°57'34.592"N	104°42'18.359"W	0.00	



# Planned Wellpath Report

CONNER 19-18-3CDH PWP (REV-A.0)

Page 7 of 10



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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	0.146	7662.00	5709.59	5669.50	743.19	39°57'35.580"N	104°42'18.356"W	0.00	
13713.00†	90.000	0.146	7662.00	5809.32	5769.50	743.44	39°57'36.568"N	104°42'18.353"W	0.00	
13813.00†	90.000	0.146	7662.00	5909.05	5869.50	743.70	39°57'37.557"N	104°42'18.349"W	0.00	
13913.00†	90.000	0.146	7662.00	6008.78	5969.50	743.95	39°57'38.545"N	104°42'18.346"W	0.00	
14013.00†	90.000	0.146	7662.00	6108.51	6069.50	744.21	39°57'39.533"N	104°42'18.343"W	0.00	
14113.00†	90.000	0.146	7662.00	6208.24	6169.50	744.46	39°57'40.521"N	104°42'18.339"W	0.00	
14213.00†	90.000	0.146	7662.00	6307.97	6269.50	744.72	39°57'41.510"N	104°42'18.336"W	0.00	
14313.00†	90.000	0.146	7662.00	6407.70	6369.50	744.97	39°57'42.498"N	104°42'18.333"W	0.00	
14413.00†	90.000	0.146	7662.00	6507.43	6469.50	745.23	39°57'43.486"N	104°42'18.329"W	0.00	
14513.00†	90.000	0.146	7662.00	6607.16	6569.50	745.48	39°57'44.474"N	104°42'18.326"W	0.00	
14613.00†	90.000	0.146	7662.00	6706.89	6669.50	745.74	39°57'45.463"N	104°42'18.323"W	0.00	
14713.00†	90.000	0.146	7662.00	6806.62	6769.50	745.99	39°57'46.451"N	104°42'18.319"W	0.00	
14813.00†	90.000	0.146	7662.00	6906.35	6869.50	746.25	39°57'47.439"N	104°42'18.316"W	0.00	
14913.00†	90.000	0.146	7662.00	7006.08	6969.49	746.50	39°57'48.427"N	104°42'18.313"W	0.00	
15013.00†	90.000	0.146	7662.00	7105.81	7069.49	746.76	39°57'49.416"N	104°42'18.309"W	0.00	
15113.00†	90.000	0.146	7662.00	7205.53	7169.49	747.01	39°57'50.404"N	104°42'18.306"W	0.00	
15213.00†	90.000	0.146	7662.00	7305.26	7269.49	747.27	39°57'51.392"N	104°42'18.303"W	0.00	
15313.00†	90.000	0.146	7662.00	7404.99	7369.49	747.52	39°57'52.380"N	104°42'18.300"W	0.00	
15413.00†	90.000	0.146	7662.00	7504.72	7469.49	747.78	39°57'53.368"N	104°42'18.296"W	0.00	
15513.00†	90.000	0.146	7662.00	7604.45	7569.49	748.03	39°57'54.357"N	104°42'18.293"W	0.00	
15613.00†	90.000	0.146	7662.00	7704.18	7669.49	748.29	39°57'55.345"N	104°42'18.290"W	0.00	
15713.00†	90.000	0.146	7662.00	7803.91	7769.49	748.54	39°57'56.333"N	104°42'18.286"W	0.00	
15813.00†	90.000	0.146	7662.00	7903.64	7869.49	748.80	39°57'57.321"N	104°42'18.283"W	0.00	
15913.00†	90.000	0.146	7662.00	8003.37	7969.49	749.06	39°57'58.310"N	104°42'18.280"W	0.00	
16013.00†	90.000	0.146	7662.00	8103.10	8069.49	749.31	39°57'59.298"N	104°42'18.276"W	0.00	
16113.00†	90.000	0.146	7662.00	8202.83	8169.49	749.57	39°58'00.286"N	104°42'18.273"W	0.00	
16213.00†	90.000	0.146	7662.00	8302.56	8269.49	749.82	39°58'01.274"N	104°42'18.270"W	0.00	
16313.00†	90.000	0.146	7662.00	8402.29	8369.49	750.08	39°58'02.263"N	104°42'18.266"W	0.00	
16413.00†	90.000	0.146	7662.00	8502.02	8469.49	750.33	39°58'03.251"N	104°42'18.263"W	0.00	
16513.00†	90.000	0.146	7662.00	8601.75	8569.49	750.59	39°58'04.239"N	104°42'18.260"W	0.00	





# Planned Wellpath Report

CONNER 19-18-3CDH PWP (REV-A.0)

Page 8 of 10



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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	0.146	7662.00	8701.48	8669.49	750.84	39°58'05.227"N	104°42'18.256"W	0.00	
16713.00†	90.000	0.146	7662.00	8801.21	8769.49	751.10	39°58'06.216"N	104°42'18.253"W	0.00	
16813.00†	90.000	0.146	7662.00	8900.94	8869.49	751.35	39°58'07.204"N	104°42'18.250"W	0.00	
16913.00†	90.000	0.146	7662.00	9000.67	8969.49	751.61	39°58'08.192"N	104°42'18.246"W	0.00	
17013.00†	90.000	0.146	7662.00	9100.40	9069.49	751.86	39°58'09.180"N	104°42'18.243"W	0.00	
17113.00†	90.000	0.146	7662.00	9200.13	9169.49	752.12	39°58'10.168"N	104°42'18.240"W	0.00	
17213.00†	90.000	0.146	7662.00	9299.86	9269.49	752.37	39°58'11.157"N	104°42'18.237"W	0.00	
17313.00†	90.000	0.146	7662.00	9399.59	9369.49	752.63	39°58'12.145"N	104°42'18.233"W	0.00	
17413.00†	90.000	0.146	7662.00	9499.32	9469.49	752.88	39°58'13.133"N	104°42'18.230"W	0.00	
17513.00†	90.000	0.146	7662.00	9599.05	9569.49	753.14	39°58'14.121"N	104°42'18.227"W	0.00	
17613.00†	90.000	0.146	7662.00	9698.78	9669.49	753.39	39°58'15.110"N	104°42'18.223"W	0.00	
17713.00†	90.000	0.146	7662.00	9798.51	9769.49	753.65	39°58'16.098"N	104°42'18.220"W	0.00	
17813.00†	90.000	0.146	7662.00	9898.24	9869.49	753.90	39°58'17.086"N	104°42'18.217"W	0.00	
17833.18†	90.000	0.146	7662.00	9918.36	9889.67	753.95	39°58'17.286"N	104°42'18.216"W	0.00	CODELL/LANDING ZONE
17833.19	90.000	0.146	7662.00 <sup>2</sup>	9918.37	9889.67	753.96	39°58'17.286"N	104°42'18.216"W	0.00	End of Tangent

## HOLE & CASING SECTIONS

- Ref Wellbore: CONNER 19-18-3CDH PWB Ref 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	0.00	0.00	0.00
8.5in Open Hole	700.00	17833.19	17133.19	700.00	N/A	0.00	0.00	N/A	N/A



# Planned Wellpath Report

CONNER 19-18-3CDH PWP (REV-A.0)

Page 9 of 10



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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	-120.57	3222009.38	1223555.33	39°56'39.552"N	104°42'29.448"W	polygon
SEC.19-T01S-R65W		0.00	0.00	-120.57	3222009.38	1223555.33	39°56'39.552"N	104°42'29.448"W	polygon
SEC.18-T01S-R65W (460' SETBACK)		7660.00	0.00	-120.57	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	-120.57	3222009.38	1223555.33	39°56'39.552"N	104°42'29.448"W	polygon
CONNER 19-18-3CDH BHL (460'FNL & 2644'FWL, SEC.18)		7662.00	9784.67	753.95	3222796.43	1233347.12	39°58'16.248"N	104°42'18.216"W	point
2) CONNER 19-18-3CDH BHL REV-1 (355'FNL & 2644'FWL, SEC.18)	17833.19	7662.00	9889.67	753.96	3222795.49	1233452.12	39°58'17.286"N	104°42'18.216"W	point
CONNER 19-18-3CDH LP (460'FSL & 2644'FWL, SEC.19)		7662.00	14.58	703.78	3222833.54	1223577.28	39°56'39.696"N	104°42'18.864"W	point
1) CONNER 19-18-3CDH LP REV-1 (460'FSL & 2644'FWL, SEC.19)	8053.48	7662.00	110.00	729.00	3222857.90	1223672.91	39°56'40.639"N	104°42'18.540"W	point

## SURVEY PROGRAM -

Ref Wellbore: CONNER 19-18-3CDH PWB Ref 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



# Planned Wellpath Report

CONNER 19-18-3CDH PWP (REV-A.0)

Page 10 of 10



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH PWB
Facility	SEC.19-T01S-R65W		

## WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
700.00	0.000	125.301	700.00	FOX HILLS
4879.17	8.670	125.301	4845.00	SUSSEX/SHANNON
7309.13	17.074	24.096	7246.00	NIOBRARA A CHALK
7333.34	19.295	21.008	7269.00	NIOBRARA A MARL
7504.03	35.677	10.146	7420.00	NIOBRARA B CHALK
7547.06	39.891	8.724	7454.00	NIOBRARA B MARL
7609.97	46.078	7.043	7500.00	NIOBRARA C CHALK
7647.28	49.756	6.204	7525.00	NIOBRARA C MARL
7869.70	71.768	2.500	7633.00	FORT HAYS
17833.18	90.000	0.146	7662.00	CODELL/LANDING ZONE

## DESIGN COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
13.00	0.000	125.301	13.00	Tie On
1600.00	0.000	125.301	1600.00	End of Tangent
2033.52	8.670	125.301	2031.86	End of Build
7103.69	8.670	125.301	7044.09	End of Tangent
8053.48	90.000	0.146	7662.00	End of 3D Arc
17833.19	90.000	0.146	7662.00	End of Tangent



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 1 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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 8:15:06 AM
Convergence at slot	0.51° East	Database/Source file	WA_DEN_Denver_Defn/CONNER_19-18-3CDH_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	120.57	3222129.94	1223556.41	39°56'39.552"N	104°42'27.900"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#09 CONNER 19-18-3CDH (350'FSL & 1915'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 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 2 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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 19-18-3CDH PWB Ref 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	0.00	0.00	0.00
8.5in Open Hole	700.00	17833.19	17133.19	700.00	N/A	0.00	0.00	N/A	N/A

## SURVEY PROGRAM - Ref Wellbore: CONNER 19-18-3CDH PWB Ref 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



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 3 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH PWB
Facility	SEC.19-T01S-R65W		

## CALCULATION RANGE & CUTOFF

From: 13.00ft MD	To: 17833.19ft 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.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	11092.45	24.97	11092.45	11093.72	0.08	11093.72	FAIL
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	30.84	17833.19	17833.19	0.73	17833.19	FAIL
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)	1691.24	12.21	1691.24	17825.01	0.85	17825.01	FAIL
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)	1500.50	30.79	17816.89	17816.89	1.22	17816.89	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	14.02	8213.00	17833.19	1.27	17833.19	PASS
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	44.86	1213.00	17833.19	1.29	17833.19	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	13895.64	526.80	13895.64	13929.31	1.31	13929.31	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	16073.46	631.74	16073.46	16070.72	1.35	16070.72	PASS
SEC.19-T01S-R65W	SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)	CONNER 19-18-4CDH	CONNER 19-18-4CDH PWB	CONNER 19-18-4CDH PWP (REV-A.0)	13.00	58.88	17833.19	17833.19	1.71	17833.19	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	58.88	1113.00	17833.19	1.72	17833.19	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	44.86	1213.00	17833.19	1.81	17833.19	PASS
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	17092.72	1118.02	17092.72	17173.33	2.23	17173.33	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	75.71	913.00	17833.19	2.35	17833.19	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	75.71	17833.19	17833.19	2.46	17833.19	PASS
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	89.73	17833.19	17833.19	2.57	17833.19	PASS
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	103.74	17833.19	17833.19	2.70	17833.19	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	7197.83	661.35	7197.83	7269.36	2.79	7269.36	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	89.73	913.00	17833.19	2.89	17833.19	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	103.74	813.00	17833.19	3.38	17833.19	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	120.57	713.00	17833.19	3.44	17833.19	PASS
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	17710.50	2202.70	17710.50	17833.19	4.25	17833.19	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-R65W	SLOT#01 MILHEIM #1 (990'FSL & 990'FWL, SEC.18, PA,8125')	MILHEIM #1	MILHEIM #1 AWB	MILHEIM #1 AWP	13863.00	1715.43	13863.00	13954.05	4.30	13954.05	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	14713.00	2592.56	14713.00	15113.00	5.99	15113.00	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	1424.48	9013.00	9113.00	6.79	9113.00	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	13625.50	3637.89	13625.50	14193.47	9.15	14193.47	PASS



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 4 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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	761.73	13.60	3239.70	50.43	65.27	PASS
113.00†	113.00	0.00	0.00	118.00	113.00	3148.88	761.73	13.60	3239.70	52.76	62.33	PASS
213.00†	213.00	0.00	0.00	218.00	213.00	3148.88	761.73	13.60	3239.70	55.11	59.64	PASS
313.00†	313.00	0.00	0.00	318.00	313.00	3148.88	761.73	13.60	3239.70	57.45	57.17	PASS
413.00†	413.00	0.00	0.00	418.00	413.00	3148.88	761.73	13.60	3239.70	59.81	54.89	PASS
513.00†	513.00	0.00	0.00	518.00	513.00	3148.88	761.73	13.60	3239.70	62.16	52.79	PASS
613.00†	613.00	0.00	0.00	618.00	613.00	3148.88	761.73	13.60	3239.70	64.52	50.83	PASS
713.00†	713.00	0.00	0.00	718.00	713.00	3148.88	761.73	13.60	3239.70	66.77	49.03	PASS
813.00†	813.00	0.00	0.00	818.00	813.00	3148.88	761.73	13.60	3239.70	69.12	47.35	PASS
913.00†	913.00	0.00	0.00	918.00	913.00	3148.88	761.73	13.60	3239.70	71.47	45.77	PASS
1013.00†	1013.00	0.00	0.00	1018.00	1013.00	3148.88	761.73	13.60	3239.70	73.84	44.29	PASS
1113.00†	1113.00	0.00	0.00	1118.00	1113.00	3148.88	761.73	13.60	3239.70	76.21	42.90	PASS
1213.00†	1213.00	0.00	0.00	1218.00	1213.00	3148.88	761.73	13.60	3239.70	78.60	41.58	PASS
1313.00†	1313.00	0.00	0.00	1318.00	1313.00	3148.88	761.73	13.60	3239.70	81.00	40.34	PASS
1413.00†	1413.00	0.00	0.00	1418.00	1413.00	3148.88	761.73	13.60	3239.70	83.41	39.17	PASS
1513.00†	1513.00	0.00	0.00	1518.00	1513.00	3148.88	761.73	13.60	3239.70	85.83	38.05	PASS
1600.00	1600.00	0.00	0.00	1605.00	1600.00	3148.88	761.73	13.60	3239.70	87.94	37.13	PASS
1613.00†	1613.00	-0.02	0.02	1618.00	1613.00	3148.88	761.73	-111.70	3239.71	88.26	37.00	PASS
1713.00†	1712.97	-1.29	1.82	1717.97	1712.97	3148.88	761.73	-111.72	3240.53	90.70	36.00	PASS
1813.00†	1812.80	-4.57	6.46	1817.80	1812.80	3148.88	761.73	-111.78	3242.64	93.16	35.07	PASS
1913.00†	1912.38	-9.87	13.94	1917.38	1912.38	3148.88	761.73	-111.86	3246.06	95.62	34.19	PASS
2013.00†	2011.57	-17.17	24.25	2016.57	2011.57	3148.88	761.73	-111.98	3250.81	98.09	33.37	PASS
2033.52	2031.86	-18.92	26.72	2036.86	2031.86	3148.88	761.73	-112.01	3251.95	98.60	33.21	PASS
2113.00†	2110.44	-25.84	36.50	2115.44	2110.44	3148.88	761.73	-112.20	3256.50	100.57	32.60	PASS
2213.00†	2209.30	-34.55	48.80	2214.30	2209.30	3148.88	761.73	-112.44	3262.28	103.06	31.87	PASS
2313.00†	2308.15	-43.27	61.10	2313.15	2308.15	3148.88	761.73	-112.69	3268.13	105.56	31.16	PASS
2413.00†	2407.01	-51.98	73.41	2412.01	2407.01	3148.88	761.73	-112.93	3274.03	108.09	30.48	PASS
2513.00†	2505.87	-60.69	85.71	2510.87	2505.87	3148.88	761.73	-113.17	3279.99	110.63	29.83	PASS
2613.00†	2604.73	-69.40	98.01	2609.73	2604.73	3148.88	761.73	-113.41	3286.00	113.18	29.21	PASS
2713.00†	2703.58	-78.11	110.32	2708.58	2703.58	3148.88	761.73	-113.65	3292.08	115.75	28.61	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 5 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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	
2813.00†	2802.44	-86.82	122.62	2807.44	2802.44	3148.88	761.73	-113.88	3298.21	118.33	28.03	PASS	
2913.00†	2901.30	-95.53	134.92	2906.30	2901.30	3148.88	761.73	-114.12	3304.40	120.93	27.48	PASS	
3013.00†	3000.15	-104.24	147.23	3005.15	3000.15	3148.88	761.73	-114.36	3310.65	123.54	26.95	PASS	
3113.00†	3099.01	-112.96	159.53	3104.01	3099.01	3148.88	761.73	-114.59	3316.96	126.17	26.43	PASS	
3213.00†	3197.87	-121.67	171.83	3202.87	3197.87	3148.88	761.73	-114.83	3323.32	128.80	25.94	PASS	
3313.00†	3296.73	-130.38	184.13	3301.73	3296.73	3148.88	761.73	-115.06	3329.73	131.45	25.46	PASS	
3413.00†	3395.58	-139.09	196.44	3400.58	3395.58	3148.88	761.73	-115.29	3336.21	134.11	25.00	PASS	
3513.00†	3494.44	-147.80	208.74	3499.44	3494.44	3148.88	761.73	-115.52	3342.74	136.78	24.56	PASS	
3613.00†	3593.30	-156.51	221.04	3593.30	3593.30	3148.88	761.73	-115.75	3349.32	139.45	24.13	PASS	
3713.00†	3692.15	-165.22	233.35	3692.15	3692.15	3148.88	761.73	-115.98	3355.96	142.14	23.72	PASS	
3813.00†	3791.01	-173.93	245.65	3796.01	3791.01	3148.88	761.73	-116.21	3362.65	144.84	23.33	PASS	
3913.00†	3889.87	-182.65	257.95	3894.87	3889.87	3148.88	761.73	-116.44	3369.40	147.55	22.94	PASS	
4013.00†	3988.73	-191.36	270.26	3993.73	3988.73	3148.88	761.73	-116.67	3376.20	150.27	22.57	PASS	
4113.00†	4087.58	-200.07	282.56	4092.58	4087.58	3148.88	761.73	-116.89	3383.05	152.99	22.21	PASS	
4213.00†	4186.44	-208.78	294.86	4191.44	4186.44	3148.88	761.73	-117.12	3389.96	155.72	21.86	PASS	
4313.00†	4285.30	-217.49	307.17	4290.30	4285.30	3148.88	761.73	-117.34	3396.92	158.46	21.53	PASS	
4413.00†	4384.15	-226.20	319.47	4389.15	4384.15	3148.88	761.73	-117.56	3403.93	161.21	21.20	PASS	
4513.00†	4483.01	-234.91	331.77	4488.01	4483.01	3148.88	761.73	-117.79	3411.00	163.97	20.89	PASS	
4613.00†	4581.87	-243.63	344.07	4586.87	4581.87	3148.88	761.73	-118.01	3418.12	166.73	20.58	PASS	
4713.00†	4680.73	-252.34	356.38	4685.73	4680.73	3148.88	761.73	-118.23	3425.28	169.49	20.29	PASS	
4813.00†	4779.58	-261.05	368.68	4784.58	4779.58	3148.88	761.73	-118.45	3432.50	172.26	20.00	PASS	
4913.00†	4878.44	-269.76	380.98	4883.44	4878.44	3148.88	761.73	-118.67	3439.77	175.04	19.73	PASS	
5013.00†	4977.30	-278.47	393.29	4982.30	4977.30	3148.88	761.73	-118.89	3447.10	177.83	19.46	PASS	
5113.00†	5076.16	-287.18	405.59	5081.16	5076.16	3148.88	761.73	-119.10	3454.47	180.62	19.20	PASS	
5213.00†	5175.01	-295.89	417.89	5180.01	5175.01	3148.88	761.73	-119.32	3461.89	183.41	18.94	PASS	
5313.00†	5273.87	-304.60	430.20	5278.87	5273.87	3148.88	761.73	-119.53	3469.36	186.21	18.70	PASS	
5413.00†	5372.73	-313.32	442.50	5377.73	5372.73	3148.88	761.73	-119.75	3476.88	189.01	18.46	PASS	
5513.00†	5471.58	-322.03	454.80	5476.58	5471.58	3148.88	761.73	-119.96	3484.45	191.81	18.23	PASS	
5613.00†	5570.44	-330.74	467.10	5575.44	5570.44	3148.88	761.73	-120.17	3492.07	194.63	18.00	PASS	
5713.00†	5669.30	-339.45	479.41	5674.30	5669.30	3148.88	761.73	-120.39	3499.73	197.44	17.79	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 6 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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
5813.00†	5768.16	-348.16	491.71	5773.16	5768.16	3148.88	761.73	-120.60	3507.45	200.26	17.57	PASS
5913.00†	5867.01	-356.87	504.01	5872.01	5867.01	3148.88	761.73	-120.81	3515.21	203.08	17.37	PASS
6013.00†	5965.87	-365.58	516.32	5970.87	5965.87	3148.88	761.73	-121.02	3523.02	205.90	17.17	PASS
6113.00†	6064.73	-374.30	528.62	6069.73	6064.73	3148.88	761.73	-121.22	3530.88	208.73	16.97	PASS
6213.00†	6163.58	-383.01	540.92	6168.58	6163.58	3148.88	761.73	-121.43	3538.78	211.56	16.78	PASS
6313.00†	6262.44	-391.72	553.23	6267.44	6262.44	3148.88	761.73	-121.64	3546.73	214.39	16.59	PASS
6413.00†	6361.30	-400.43	565.53	6366.30	6361.30	3148.88	761.73	-121.84	3554.73	217.23	16.41	PASS
6513.00†	6460.16	-409.14	577.83	6465.16	6460.16	3148.88	761.73	-122.05	3562.77	220.06	16.24	PASS
6613.00†	6559.01	-417.85	590.14	6564.01	6559.01	3148.88	761.73	-122.25	3570.85	222.90	16.07	PASS
6713.00†	6657.87	-426.56	602.44	6662.87	6657.87	3148.88	761.73	-122.45	3578.99	225.75	15.90	PASS
6813.00†	6756.73	-435.27	614.74	6761.73	6756.73	3148.88	761.73	-122.65	3587.16	228.59	15.74	PASS
6913.00†	6855.59	-443.99	627.04	6860.59	6855.59	3148.88	761.73	-122.85	3595.39	231.44	15.58	PASS
7013.00†	6954.44	-452.70	639.35	6959.44	6954.44	3148.88	761.73	-123.05	3603.65	234.29	15.43	PASS
7103.69	7044.09	-460.60	650.50	7049.09	7044.09	3148.88	761.73	-123.23	3611.19	236.87	15.29	PASS
7113.00†	7053.31	-461.33	651.65	7058.31	7053.31	3148.88	761.73	-117.93	3611.89	237.13	15.27	PASS
7213.00†	7152.40	-459.71	664.01	7157.40	7152.40	3148.88	761.73	-48.85	3609.91	240.14	15.07	PASS
7313.00†	7249.70	-440.76	676.19	7254.70	7249.70	3148.88	761.73	-23.14	3590.66	243.60	14.78	PASS
7413.00†	7342.25	-405.08	687.82	7347.25	7342.25	3148.88	761.73	-14.75	3554.73	246.96	14.43	PASS
7513.00†	7427.25	-353.74	698.55	7432.25	7427.25	3148.88	761.73	-10.90	3503.19	249.90	14.06	PASS
7613.00†	7502.10	-288.31	708.05	7507.10	7502.10	3148.88	761.73	-8.77	3437.60	252.39	13.66	PASS
7713.00†	7564.53	-210.76	716.03	7569.53	7564.53	3148.88	761.73	-7.43	3359.95	254.39	13.24	PASS
7813.00†	7612.65	-123.47	722.25	7617.65	7612.65	3148.88	761.73	-6.44	3272.58	255.86	12.82	PASS
7913.00†	7645.00	-29.07	726.53	7650.00	7645.00	3148.88	761.73	-5.32	3178.15	256.80	12.41	PASS
8013.00†	7660.58	69.55	728.72	7665.58	7660.58	3148.88	761.73	-0.48	3079.50	257.23	12.00	PASS
8053.48	7662.00	110.00	729.00	7667.00	7662.00	3148.88	761.73	90.00	3039.05	257.26	11.84	PASS
8113.00†	7662.00	169.52	729.15	7667.00	7662.00	3148.88	761.73	90.00	2979.54	257.26	11.61	PASS
8213.00†	7662.00	269.52	729.41	7667.00	7662.00	3148.88	761.73	90.00	2879.54	257.25	11.22	PASS
8313.00†	7662.00	369.52	729.66	7667.00	7662.00	3148.88	761.73	90.00	2779.55	257.24	10.83	PASS
8413.00†	7662.00	469.52	729.92	7667.00	7662.00	3148.88	761.73	90.00	2679.55	257.23	10.44	PASS
8513.00†	7662.00	569.52	730.17	7667.00	7662.00	3148.88	761.73	90.00	2579.56	257.22	10.05	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 7 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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
8613.00†	7662.00	669.52	730.43	7667.00	7662.00	3148.88	761.73	90.00	2479.56	257.21	9.66	PASS
8713.00†	7662.00	769.51	730.68	7667.00	7662.00	3148.88	761.73	90.00	2379.57	257.20	9.27	PASS
8813.00†	7662.00	869.51	730.94	7667.00	7662.00	3148.88	761.73	90.00	2279.57	257.19	8.88	PASS
8913.00†	7662.00	969.51	731.19	7667.00	7662.00	3148.88	761.73	90.00	2179.58	257.18	8.50	PASS
9013.00†	7662.00	1069.51	731.45	7667.00	7662.00	3148.88	761.73	90.00	2079.58	257.17	8.11	PASS
9113.00†	7662.00	1169.51	731.70	7667.00	7662.00	3148.88	761.73	90.00	1979.59	257.16	7.72	PASS
9213.00†	7662.00	1269.51	731.96	7667.00	7662.00	3148.88	761.73	90.00	1879.60	257.15	7.33	PASS
9313.00†	7662.00	1369.51	732.21	7667.00	7662.00	3148.88	761.73	90.00	1779.61	257.13	6.94	PASS
9413.00†	7662.00	1469.51	732.47	7667.00	7662.00	3148.88	761.73	90.00	1679.62	257.11	6.55	PASS
9513.00†	7662.00	1569.51	732.72	7667.00	7662.00	3148.88	761.73	90.00	1579.63	257.09	6.16	PASS
9613.00†	7662.00	1669.51	732.98	7667.00	7662.00	3148.88	761.73	90.00	1479.65	257.06	5.77	PASS
9713.00†	7662.00	1769.51	733.23	7667.00	7662.00	3148.88	761.73	90.00	1379.66	257.03	5.38	PASS
9813.00†	7662.00	1869.51	733.49	7667.00	7662.00	3148.88	761.73	90.00	1279.68	256.99	4.99	PASS
9913.00†	7662.00	1969.51	733.74	7667.00	7662.00	3148.88	761.73	90.00	1179.70	256.95	4.60	PASS
10013.00†	7662.00	2069.51	734.00	7667.00	7662.00	3148.88	761.73	90.00	1079.72	256.89	4.21	PASS
10113.00†	7662.00	2169.51	734.26	7667.00	7662.00	3148.88	761.73	90.00	979.75	256.81	3.82	PASS
10213.00†	7662.00	2269.51	734.51	7667.00	7662.00	3148.88	761.73	90.00	879.79	256.72	3.43	PASS
10313.00†	7662.00	2369.51	734.77	7667.00	7662.00	3148.88	761.73	90.00	779.83	256.60	3.04	PASS
10413.00†	7662.00	2469.51	735.02	7667.00	7662.00	3148.88	761.73	90.00	679.89	256.44	2.66	PASS
10513.00†	7662.00	2569.51	735.28	7667.00	7662.00	3148.88	761.73	90.00	579.97	256.23	2.27	PASS
10613.00†	7662.00	2669.51	735.53	7667.00	7662.00	3148.88	761.73	90.00	480.08	255.92	1.88	PASS
10713.00†	7662.00	2769.51	735.79	7667.00	7662.00	3148.88	761.73	90.00	380.26	255.47	1.49	PASS
10813.00†	7662.00	2869.51	736.04	7667.00	7662.00	3148.88	761.73	90.00	280.55	254.75	1.10	PASS
10913.00†	7662.00	2969.51	736.30	7667.00	7662.00	3148.88	761.73	90.00	181.16	253.55	0.71	FAIL
11013.00†	7662.00	3069.51	736.55	7667.00	7662.00	3148.88	761.73	90.00	83.27	253.25	0.33	FAIL
11092.45†	7662.00	3148.96	736.75	7667.04	7662.04	3148.88	761.73	90.09	24.97	316.60	0.08	FAIL
11093.72†	7662.00	3150.23	736.76	7667.00	7662.00	3148.88	761.73	90.00	25.00	317.57	0.08	FAIL
11113.00†	7662.00	3169.51	736.81	7667.00	7662.00	3148.88	761.73	90.00	32.35	309.44	0.10	FAIL
11213.00†	7662.00	3269.51	737.06	7667.00	7662.00	3148.88	761.73	90.00	123.12	269.63	0.46	FAIL
11313.00†	7662.00	3369.51	737.32	7667.00	7662.00	3148.88	761.73	90.00	221.97	264.11	0.84	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 8 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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
11413.00†	7662.00	3469.51	737.57	7667.00	7662.00	3148.88	761.73	90.00	321.54	262.19	1.23	PASS
11513.00†	7662.00	3569.51	737.83	7667.00	7662.00	3148.88	761.73	90.00	421.31	261.25	1.61	PASS
11613.00†	7662.00	3669.51	738.08	7667.00	7662.00	3148.88	761.73	90.00	521.16	260.70	2.00	PASS
11713.00†	7662.00	3769.51	738.34	7667.00	7662.00	3148.88	761.73	90.00	621.07	260.35	2.39	PASS
11813.00†	7662.00	3869.50	738.59	7667.00	7662.00	3148.88	761.73	90.00	721.00	260.12	2.78	PASS
11913.00†	7662.00	3969.50	738.85	7667.00	7662.00	3148.88	761.73	90.00	820.95	259.96	3.16	PASS
12013.00†	7662.00	4069.50	739.10	7667.00	7662.00	3148.88	761.73	90.00	920.90	259.84	3.55	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 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 9 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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	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	1.88	27.84	PASS
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	30.84	90.00	30.84	2.67	16.10	PASS
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	30.84	90.00	30.84	3.50	11.15	PASS
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	30.84	90.00	30.84	4.33	8.51	PASS
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	30.84	90.00	30.84	5.18	6.87	PASS
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	30.84	90.00	30.84	6.02	5.75	PASS
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	30.84	90.00	30.84	6.36	5.33	PASS
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	30.84	90.00	30.84	6.49	5.21	PASS
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	30.84	90.00	30.84	6.81	4.94	PASS
1013.00†	1013.00	0.00	0.00	1013.00	1013.00	0.00	30.84	90.00	30.84	7.28	4.58	PASS
1113.00†	1113.00	0.00	0.00	1113.00	1113.00	0.00	30.84	90.00	30.84	7.88	4.20	PASS
1213.00†	1213.00	0.00	0.00	1213.00	1213.00	0.00	30.84	90.00	30.84	8.57	3.83	PASS
1313.00†	1313.00	0.00	0.00	1313.00	1313.00	0.00	30.84	90.00	30.84	9.33	3.50	PASS
1413.00†	1413.00	0.00	0.00	1412.88	1412.88	-0.01	30.87	90.02	30.87	10.14	3.20	PASS
1513.00†	1513.00	0.00	0.00	1511.86	1511.83	-0.95	32.81	91.67	32.84	11.05	3.11	PASS
1600.00	1600.00	0.00	0.00	1597.77	1597.61	-2.98	36.98	94.61	37.18	12.00	3.23	PASS
1613.00†	1613.00	-0.02	0.02	1610.58	1610.39	-3.38	37.80	-30.21	38.02	12.14	3.26	PASS
1713.00†	1712.97	-1.29	1.82	1709.00	1708.40	-7.27	45.82	-27.47	44.64	13.28	3.49	PASS
1813.00†	1812.80	-4.57	6.46	1807.19	1805.82	-12.62	56.83	-26.04	51.49	14.54	3.67	PASS
1913.00†	1912.38	-9.87	13.94	1905.14	1902.52	-19.40	70.80	-25.46	58.49	15.76	3.84	PASS
2013.00†	2011.57	-17.17	24.25	2003.39	1998.96	-27.60	87.70	-25.51	65.52	16.89	4.01	PASS
2033.52	2031.86	-18.92	26.72	2023.87	2019.02	-29.39	91.39	-25.63	66.76	17.10	4.03	PASS
2113.00†	2110.44	-25.84	36.50	2103.22	2096.76	-36.34	105.70	-26.19	71.32	17.83	4.12	PASS
2213.00†	2209.30	-34.55	48.80	2203.05	2194.57	-45.07	123.70	-26.81	77.06	18.79	4.22	PASS
2313.00†	2308.15	-43.27	61.10	2302.88	2292.38	-53.81	141.70	-27.34	82.80	19.77	4.31	PASS
2413.00†	2407.01	-51.98	73.41	2402.72	2390.18	-62.55	159.71	-27.81	88.56	20.79	4.37	PASS
2513.00†	2505.87	-60.69	85.71	2502.55	2487.99	-71.29	177.71	-28.21	94.32	21.82	4.43	PASS
2613.00†	2604.73	-69.40	98.01	2602.38	2585.79	-80.03	195.71	-28.57	100.08	22.88	4.48	PASS
2713.00†	2703.58	-78.11	110.32	2702.21	2683.60	-88.76	213.71	-28.89	105.84	23.95	4.52	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 10 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	2802.44	-86.82	122.62	2802.04	2781.41	-97.50	231.71	-29.18	111.61	25.04	4.56	PASS
2913.00†	2901.30	-95.53	134.92	2901.87	2879.21	-106.24	249.71	-29.44	117.39	26.14	4.59	PASS
3013.00†	3000.15	-104.24	147.23	3001.71	2977.02	-114.98	267.72	-29.67	123.16	27.25	4.61	PASS
3113.00†	3099.01	-112.96	159.53	3101.54	3074.82	-123.72	285.72	-29.89	128.94	28.37	4.64	PASS
3213.00†	3197.87	-121.67	171.83	3201.37	3172.63	-132.45	303.72	-30.08	134.71	29.50	4.65	PASS
3313.00†	3296.73	-130.38	184.13	3301.20	3270.44	-141.19	321.72	-30.26	140.49	30.63	4.67	PASS
3413.00†	3395.58	-139.09	196.44	3401.03	3368.24	-149.93	339.72	-30.43	146.27	31.78	4.69	PASS
3513.00†	3494.44	-147.80	208.74	3500.87	3466.05	-158.67	357.72	-30.58	152.05	32.93	4.70	PASS
3613.00†	3593.30	-156.51	221.04	3600.70	3563.85	-167.41	375.73	-30.72	157.84	34.08	4.71	PASS
3713.00†	3692.15	-165.22	233.35	3700.53	3661.66	-176.14	393.73	-30.85	163.62	35.25	4.72	PASS
3813.00†	3791.01	-173.93	245.65	3800.36	3759.47	-184.88	411.73	-30.97	169.40	36.41	4.72	PASS
3913.00†	3889.87	-182.65	257.95	3900.19	3857.27	-193.62	429.73	-31.09	175.19	37.58	4.73	PASS
4013.00†	3988.73	-191.36	270.26	4000.03	3955.08	-202.36	447.73	-31.20	180.97	38.76	4.74	PASS
4113.00†	4087.58	-200.07	282.56	4099.86	4052.88	-211.10	465.73	-31.30	186.76	39.93	4.74	PASS
4213.00†	4186.44	-208.78	294.86	4199.69	4150.69	-219.83	483.74	-31.39	192.54	41.11	4.75	PASS
4313.00†	4285.30	-217.49	307.17	4299.52	4248.50	-228.57	501.74	-31.48	198.33	42.30	4.75	PASS
4413.00†	4384.15	-226.20	319.47	4399.35	4346.30	-237.31	519.74	-31.56	204.12	43.48	4.76	PASS
4513.00†	4483.01	-234.91	331.77	4499.19	4444.11	-246.05	537.74	-31.64	209.91	44.67	4.76	PASS
4613.00†	4581.87	-243.63	344.07	4599.02	4541.91	-254.79	555.74	-31.72	215.70	45.86	4.76	PASS
4713.00†	4680.73	-252.34	356.38	4698.85	4639.72	-263.52	573.74	-31.79	221.48	47.06	4.76	PASS
4813.00†	4779.58	-261.05	368.68	4798.68	4737.53	-272.26	591.75	-31.86	227.27	48.25	4.77	PASS
4913.00†	4878.44	-269.76	380.98	4898.51	4835.33	-281.00	609.75	-31.92	233.06	49.45	4.77	PASS
5013.00†	4977.30	-278.47	393.29	4998.35	4933.14	-289.74	627.75	-31.98	238.85	50.65	4.77	PASS
5113.00†	5076.16	-287.18	405.59	5098.18	5030.94	-298.48	645.75	-32.04	244.64	51.85	4.77	PASS
5213.00†	5175.01	-295.89	417.89	5198.01	5128.75	-307.21	663.75	-32.10	250.43	53.05	4.77	PASS
5313.00†	5273.87	-304.60	430.20	5297.84	5226.56	-315.95	681.75	-32.15	256.22	54.25	4.77	PASS
5413.00†	5372.73	-313.32	442.50	5397.67	5324.36	-324.69	699.76	-32.20	262.01	55.45	4.77	PASS
5513.00†	5471.58	-322.03	454.80	5497.51	5422.17	-333.43	717.76	-32.25	267.80	56.66	4.77	PASS
5613.00†	5570.44	-330.74	467.10	5597.34	5519.97	-342.17	735.76	-32.29	273.59	57.87	4.77	PASS
5713.00†	5669.30	-339.45	479.41	5697.17	5617.78	-350.90	753.76	-32.34	279.38	59.07	4.77	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 11 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	5768.16	-348.16	491.71	5797.00	5715.59	-359.64	771.76	-32.38	285.17	60.28	4.77	PASS
5913.00†	5867.01	-356.87	504.01	5896.83	5813.39	-368.38	789.76	-32.42	290.97	61.49	4.78	PASS
6013.00†	5965.87	-365.58	516.32	5996.67	5911.20	-377.12	807.77	-32.46	296.76	62.70	4.78	PASS
6113.00†	6064.73	-374.30	528.62	6096.50	6009.00	-385.86	825.77	-32.50	302.55	63.91	4.78	PASS
6213.00†	6163.58	-383.01	540.92	6196.33	6106.81	-394.59	843.77	-32.53	308.34	65.13	4.78	PASS
6313.00†	6262.44	-391.72	553.23	6296.16	6204.62	-403.33	861.77	-32.57	314.13	66.34	4.78	PASS
6413.00†	6361.30	-400.43	565.53	6395.99	6302.42	-412.07	879.77	-32.60	319.92	67.55	4.78	PASS
6513.00†	6460.16	-409.14	577.83	6495.83	6400.23	-420.81	897.77	-32.64	325.72	68.77	4.78	PASS
6613.00†	6559.01	-417.85	590.14	6595.66	6498.03	-429.55	915.78	-32.67	331.51	69.98	4.78	PASS
6713.00†	6657.87	-426.56	602.44	6695.49	6595.84	-438.28	933.78	-32.70	337.30	71.20	4.78	PASS
6813.00†	6756.73	-435.27	614.74	6795.32	6693.64	-447.02	951.78	-32.73	343.09	72.41	4.78	PASS
6913.00†	6855.59	-443.99	627.04	6895.15	6791.45	-455.76	969.78	-32.76	348.88	73.63	4.77	PASS
7013.00†	6954.44	-452.70	639.35	6995.78	6890.14	-462.68	987.95	-33.09	354.62	74.92	4.77	PASS
7103.69	7044.09	-460.60	650.50	7085.55	6978.11	-456.24	1004.18	-35.38	359.80	76.24	4.75	PASS
7113.00†	7053.31	-461.33	651.65	7094.49	6986.79	-454.84	1005.78	-30.45	360.38	76.58	4.74	PASS
7213.00†	7152.40	-459.71	664.01	7188.52	7076.33	-431.79	1022.34	34.75	367.37	77.96	4.75	PASS
7313.00†	7249.70	-440.76	676.19	7279.42	7158.24	-395.66	1037.52	56.85	375.45	79.41	4.76	PASS
7413.00†	7342.25	-405.08	687.82	7367.70	7231.44	-348.39	1051.13	61.99	384.04	79.31	4.88	PASS
7513.00†	7427.25	-353.74	698.55	7453.83	7295.16	-291.79	1063.01	62.99	392.58	78.56	5.03	PASS
7613.00†	7502.10	-288.31	708.05	7538.24	7348.82	-227.52	1073.06	62.71	400.53	77.47	5.21	PASS
7713.00†	7564.53	-210.76	716.03	7621.30	7392.00	-157.12	1081.20	62.05	407.42	76.37	5.38	PASS
7813.00†	7612.65	-123.47	722.25	7703.37	7424.40	-82.04	1087.35	61.40	412.86	75.59	5.50	PASS
7913.00†	7645.00	-29.07	726.53	7784.75	7445.79	-3.71	1091.49	60.92	416.57	75.45	5.56	PASS
8013.00†	7660.58	69.55	728.72	7865.74	7456.04	76.54	1093.58	60.69	418.34	76.12	5.54	PASS
8053.48	7662.00	110.00	729.00	7898.48	7457.00	109.26	1093.84	60.67	418.49	76.61	5.50	PASS
8113.00†	7662.00	169.52	729.15	7957.82	7457.00	168.60	1093.99	60.67	418.49	77.31	5.45	PASS
8213.00†	7662.00	269.52	729.41	8057.82	7457.00	268.60	1094.24	60.67	418.48	78.83	5.35	PASS
8313.00†	7662.00	369.52	729.66	8157.82	7457.00	368.60	1094.49	60.67	418.48	80.79	5.22	PASS
8413.00†	7662.00	469.52	729.92	8257.82	7457.00	468.60	1094.74	60.67	418.48	83.08	5.07	PASS
8513.00†	7662.00	569.52	730.17	8357.82	7457.00	568.60	1094.99	60.67	418.47	82.85	5.09	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 12 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	7662.00	669.52	730.43	8457.82	7457.00	668.60	1095.24	60.67	418.47	88.59	4.75	PASS
8713.00†	7662.00	769.51	730.68	8557.82	7457.00	768.60	1095.49	60.67	418.46	91.75	4.59	PASS
8813.00†	7662.00	869.51	730.94	8657.82	7457.00	868.60	1095.74	60.67	418.46	95.14	4.42	PASS
8913.00†	7662.00	969.51	731.19	8757.82	7457.00	968.60	1095.99	60.67	418.45	98.74	4.26	PASS
9013.00†	7662.00	1069.51	731.45	8857.82	7457.00	1068.60	1096.24	60.67	418.45	102.53	4.10	PASS
9113.00†	7662.00	1169.51	731.70	8957.82	7457.00	1168.60	1096.49	60.67	418.44	106.48	3.95	PASS
9213.00†	7662.00	1269.51	731.96	9057.82	7457.00	1268.60	1096.74	60.67	418.44	110.59	3.80	PASS
9313.00†	7662.00	1369.51	732.21	9157.82	7457.00	1368.60	1096.99	60.67	418.44	114.82	3.66	PASS
9413.00†	7662.00	1469.51	732.47	9257.82	7457.00	1468.60	1097.24	60.66	418.43	119.18	3.53	PASS
9513.00†	7662.00	1569.51	732.72	9357.82	7457.00	1568.60	1097.49	60.66	418.43	123.64	3.40	PASS
9613.00†	7662.00	1669.51	732.98	9457.82	7457.00	1668.60	1097.74	60.66	418.42	128.19	3.28	PASS
9713.00†	7662.00	1769.51	733.23	9557.82	7457.00	1768.60	1097.99	60.66	418.42	132.83	3.16	PASS
9813.00†	7662.00	1869.51	733.49	9657.82	7457.00	1868.60	1098.24	60.66	418.41	137.55	3.05	PASS
9913.00†	7662.00	1969.51	733.74	9757.82	7457.00	1968.60	1098.49	60.66	418.41	142.33	2.95	PASS
10013.00†	7662.00	2069.51	734.00	9857.82	7457.00	2068.60	1098.74	60.66	418.41	147.18	2.85	PASS
10113.00†	7662.00	2169.51	734.26	9957.82	7457.00	2168.60	1098.99	60.66	418.40	152.08	2.76	PASS
10213.00†	7662.00	2269.51	734.51	10057.82	7457.00	2268.60	1099.24	60.66	418.40	157.03	2.67	PASS
10313.00†	7662.00	2369.51	734.77	10157.82	7457.00	2368.60	1099.49	60.66	418.39	162.03	2.59	PASS
10413.00†	7662.00	2469.51	735.02	10257.82	7457.00	2468.60	1099.74	60.66	418.39	167.07	2.51	PASS
10513.00†	7662.00	2569.51	735.28	10357.82	7457.00	2568.60	1099.99	60.66	418.38	172.15	2.44	PASS
10613.00†	7662.00	2669.51	735.53	10457.82	7457.00	2668.60	1100.24	60.66	418.38	177.27	2.37	PASS
10713.00†	7662.00	2769.51	735.79	10557.82	7457.00	2768.60	1100.49	60.66	418.38	182.41	2.30	PASS
10813.00†	7662.00	2869.51	736.04	10657.82	7457.00	2868.60	1100.74	60.66	418.37	187.59	2.23	PASS
10913.00†	7662.00	2969.51	736.30	10757.82	7457.00	2968.60	1100.99	60.66	418.37	192.79	2.17	PASS
11013.00†	7662.00	3069.51	736.55	10857.82	7457.00	3068.60	1101.24	60.66	418.36	198.01	2.12	PASS
11113.00†	7662.00	3169.51	736.81	10957.82	7457.00	3168.59	1101.50	60.66	418.36	203.26	2.06	PASS
11213.00†	7662.00	3269.51	737.06	11057.82	7457.00	3268.59	1101.75	60.66	418.35	208.53	2.01	PASS
11313.00†	7662.00	3369.51	737.32	11157.82	7457.00	3368.59	1102.00	60.66	418.35	213.82	1.96	PASS
11413.00†	7662.00	3469.51	737.57	11257.82	7457.00	3468.59	1102.25	60.66	418.34	219.13	1.91	PASS
11513.00†	7662.00	3569.51	737.83	11357.82	7457.00	3568.59	1102.50	60.66	418.34	224.46	1.87	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 13 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	7662.00	3669.51	738.08	11457.82	7457.00	3668.59	1102.75	60.66	418.34	229.80	1.82	PASS
11713.00†	7662.00	3769.51	738.34	11557.82	7457.00	3768.59	1103.00	60.66	418.33	235.15	1.78	PASS
11813.00†	7662.00	3869.50	738.59	11657.82	7457.00	3868.59	1103.25	60.66	418.33	240.52	1.74	PASS
11913.00†	7662.00	3969.50	738.85	11757.82	7457.00	3968.59	1103.50	60.66	418.32	245.91	1.70	PASS
12013.00†	7662.00	4069.50	739.10	11857.82	7457.00	4068.59	1103.75	60.66	418.32	251.30	1.67	PASS
12113.00†	7662.00	4169.50	739.36	11957.82	7457.00	4168.59	1104.00	60.66	418.31	256.70	1.63	PASS
12213.00†	7662.00	4269.50	739.61	12057.82	7457.00	4268.59	1104.25	60.66	418.31	262.12	1.60	PASS
12313.00†	7662.00	4369.50	739.87	12157.82	7457.00	4368.59	1104.50	60.66	418.31	267.54	1.56	PASS
12413.00†	7662.00	4469.50	740.12	12257.82	7457.00	4468.59	1104.75	60.65	418.30	272.98	1.53	PASS
12513.00†	7662.00	4569.50	740.38	12357.82	7457.00	4568.59	1105.00	60.65	418.30	278.42	1.50	PASS
12613.00†	7662.00	4669.50	740.63	12457.82	7457.00	4668.59	1105.25	60.65	418.29	283.87	1.47	PASS
12713.00†	7662.00	4769.50	740.89	12557.82	7457.00	4768.59	1105.50	60.65	418.29	289.33	1.45	PASS
12813.00†	7662.00	4869.50	741.14	12657.82	7457.00	4868.59	1105.75	60.65	418.28	294.80	1.42	PASS
12913.00†	7662.00	4969.50	741.40	12757.82	7457.00	4968.59	1106.00	60.65	418.28	300.27	1.39	PASS
13013.00†	7662.00	5069.50	741.66	12857.82	7457.00	5068.59	1106.25	60.65	418.28	305.75	1.37	PASS
13113.00†	7662.00	5169.50	741.91	12957.82	7457.00	5168.59	1106.50	60.65	418.27	311.28	1.34	PASS
13213.00†	7662.00	5269.50	742.17	13057.82	7457.00	5268.59	1106.75	60.65	418.27	316.73	1.32	PASS
13313.00†	7662.00	5369.50	742.42	13157.82	7457.00	5368.59	1107.00	60.65	418.26	322.22	1.30	PASS
13413.00†	7662.00	5469.50	742.68	13257.82	7457.00	5468.59	1107.25	60.65	418.26	327.73	1.28	PASS
13513.00†	7662.00	5569.50	742.93	13357.82	7457.00	5568.59	1107.50	60.65	418.25	333.23	1.26	PASS
13613.00†	7662.00	5669.50	743.19	13457.82	7457.00	5668.59	1107.75	60.65	418.25	338.75	1.24	PASS
13713.00†	7662.00	5769.50	743.44	13557.82	7457.00	5768.59	1108.00	60.65	418.24	344.26	1.22	PASS
13813.00†	7662.00	5869.50	743.70	13657.82	7457.00	5868.59	1108.25	60.65	418.24	349.78	1.20	PASS
13913.00†	7662.00	5969.50	743.95	13757.82	7457.00	5968.59	1108.50	60.65	418.24	355.31	1.18	PASS
14013.00†	7662.00	6069.50	744.21	13857.82	7457.00	6068.59	1108.75	60.65	418.23	360.84	1.16	PASS
14113.00†	7662.00	6169.50	744.46	13957.82	7457.00	6168.59	1109.00	60.65	418.23	366.37	1.14	PASS
14213.00†	7662.00	6269.50	744.72	14057.82	7457.00	6268.58	1109.25	60.65	418.22	371.91	1.12	PASS
14313.00†	7662.00	6369.50	744.97	14157.82	7457.00	6368.58	1109.50	60.65	418.22	377.45	1.11	PASS
14413.00†	7662.00	6469.50	745.23	14257.82	7457.00	6468.58	1109.75	60.65	418.21	382.99	1.09	PASS
14513.00†	7662.00	6569.50	745.48	14357.82	7457.00	6568.58	1110.00	60.65	418.21	388.54	1.08	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 14 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	7662.00	6669.50	745.74	14457.82	7457.00	6668.58	1110.25	60.65	418.21	394.08	1.06	PASS
14713.00†	7662.00	6769.50	745.99	14557.82	7457.00	6768.58	1110.50	60.65	418.20	399.64	1.05	PASS
14813.00†	7662.00	6869.50	746.25	14657.82	7457.00	6868.58	1110.75	60.65	418.20	405.19	1.03	PASS
14913.00†	7662.00	6969.49	746.50	14757.82	7457.00	6968.58	1111.00	60.65	418.19	410.75	1.02	PASS
15013.00†	7662.00	7069.49	746.76	14857.82	7457.00	7068.58	1111.25	60.65	418.19	416.31	1.00	PASS
15113.00†	7662.00	7169.49	747.01	14957.82	7457.00	7168.58	1111.50	60.65	418.18	421.87	0.99	FAIL
15213.00†	7662.00	7269.49	747.27	15057.82	7457.00	7268.58	1111.75	60.65	418.18	427.44	0.98	FAIL
15313.00†	7662.00	7369.49	747.52	15157.82	7457.00	7368.58	1112.00	60.65	418.18	433.00	0.97	FAIL
15413.00†	7662.00	7469.49	747.78	15257.82	7457.00	7468.58	1112.25	60.64	418.17	438.57	0.95	FAIL
15513.00†	7662.00	7569.49	748.03	15357.82	7457.00	7568.58	1112.50	60.64	418.17	444.14	0.94	FAIL
15613.00†	7662.00	7669.49	748.29	15457.82	7457.00	7668.58	1112.75	60.64	418.16	449.71	0.93	FAIL
15713.00†	7662.00	7769.49	748.54	15557.82	7457.00	7768.58	1113.00	60.64	418.16	455.29	0.92	FAIL
15813.00†	7662.00	7869.49	748.80	15657.82	7457.00	7868.58	1113.25	60.64	418.15	460.87	0.91	FAIL
15913.00†	7662.00	7969.49	749.06	15757.82	7457.00	7968.58	1113.50	60.64	418.15	466.44	0.90	FAIL
16013.00†	7662.00	8069.49	749.31	15857.82	7457.00	8068.58	1113.75	60.64	418.15	472.02	0.89	FAIL
16113.00†	7662.00	8169.49	749.57	15957.82	7457.00	8168.58	1114.00	60.64	418.14	477.61	0.88	FAIL
16213.00†	7662.00	8269.49	749.82	16057.82	7457.00	8268.58	1114.25	60.64	418.14	483.19	0.87	FAIL
16313.00†	7662.00	8369.49	750.08	16157.82	7457.00	8368.58	1114.50	60.64	418.13	488.78	0.86	FAIL
16413.00†	7662.00	8469.49	750.33	16257.82	7457.00	8468.58	1114.76	60.64	418.13	494.36	0.85	FAIL
16513.00†	7662.00	8569.49	750.59	16357.82	7457.00	8568.58	1115.01	60.64	418.12	499.95	0.84	FAIL
16613.00†	7662.00	8669.49	750.84	16457.82	7457.00	8668.58	1115.26	60.64	418.12	505.54	0.83	FAIL
16713.00†	7662.00	8769.49	751.10	16557.82	7457.00	8768.58	1115.51	60.64	418.11	511.13	0.82	FAIL
16813.00†	7662.00	8869.49	751.35	16657.82	7457.00	8868.58	1115.76	60.64	418.11	516.72	0.81	FAIL
16913.00†	7662.00	8969.49	751.61	16757.82	7457.00	8968.58	1116.01	60.64	418.11	522.31	0.80	FAIL
17013.00†	7662.00	9069.49	751.86	16857.82	7457.00	9068.58	1116.26	60.64	418.10	527.91	0.79	FAIL
17113.00†	7662.00	9169.49	752.12	16957.82	7457.00	9168.58	1116.51	60.64	418.10	533.50	0.78	FAIL
17213.00†	7662.00	9269.49	752.37	17057.82	7457.00	9268.58	1116.76	60.64	418.09	539.10	0.78	FAIL
17313.00†	7662.00	9369.49	752.63	17157.82	7457.00	9368.58	1117.01	60.64	418.09	544.70	0.77	FAIL
17413.00†	7662.00	9469.49	752.88	17257.82	7457.00	9468.57	1117.26	60.64	418.08	550.30	0.76	FAIL
17513.00†	7662.00	9569.49	753.14	17357.82	7457.00	9568.57	1117.51	60.64	418.08	555.90	0.75	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft





# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 15 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	7662.00	9669.49	753.39	17457.82	7457.00	9668.57	1117.76	60.64	418.08	561.50	0.74	FAIL
17713.00†	7662.00	9769.49	753.65	17557.82	7457.00	9768.57	1118.01	60.64	418.07	567.10	0.74	FAIL
17813.00†	7662.00	9869.49	753.90	17657.82	7457.00	9868.57	1118.26	60.64	418.07	572.70	0.73	FAIL
17833.19	7662.00	9889.67	753.96	17678.01	7457.00	9888.76	1118.31	60.64	418.07	573.83	0.73	FAIL

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	18.80	0.00	18.80
8.5in Open Hole	700.00	17682.58	16982.58	700.00	N/A	0.00	18.80	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 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 16 of 104



REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 17 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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	-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	1.73	14.31	PASS	
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-14.02	-90.00	14.02	2.30	8.84	PASS	
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-14.02	-90.00	14.02	2.90	6.30	PASS	
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-14.02	-90.00	14.02	3.52	4.87	PASS	
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-14.02	-90.00	14.02	4.14	3.96	PASS	
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-14.02	-90.00	14.02	4.76	3.34	PASS	
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-14.02	-90.00	14.02	5.14	3.01	PASS	
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	-14.02	-90.00	14.02	5.53	2.76	PASS	
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	-14.02	-90.00	14.02	6.04	2.50	PASS	
1013.00†	1013.00	0.00	0.00	1013.00	1013.00	0.00	-14.02	-90.00	14.02	6.63	2.25	PASS	
1113.00†	1113.00	0.00	0.00	1113.00	1113.00	0.00	-14.02	-90.00	14.02	7.29	2.02	PASS	
1213.00†	1213.00	0.00	0.00	1213.00	1213.00	0.00	-14.02	-90.00	14.02	8.00	1.83	PASS	
1313.00†	1313.00	0.00	0.00	1313.00	1313.00	0.00	-14.02	-90.00	14.02	8.74	1.66	PASS	
1413.00†	1413.00	0.00	0.00	1413.00	1413.00	0.00	-14.02	-90.00	14.02	9.50	1.51	PASS	
1513.00†	1513.00	0.00	0.00	1513.04	1513.04	-0.02	-14.00	-90.10	14.00	10.27	1.39	PASS	
1600.00	1600.00	0.00	0.00	1600.25	1600.23	-1.41	-12.98	-96.22	13.06	10.97	1.20	PASS	
1613.00†	1613.00	-0.02	0.02	1613.27	1613.24	-1.81	-12.70	136.70	12.85	11.07	1.17	PASS	
1691.24†	1691.23	-0.84	1.19	1691.52	1691.38	-5.16	-10.24	123.98	12.21	11.67	1.05	PASS	
1713.00†	1712.97	-1.29	1.82	1713.35	1713.15	-6.41	-9.33	120.04	12.27	11.88	1.03	PASS	
1813.00†	1812.80	-4.57	6.46	1813.28	1812.66	-13.80	-3.91	102.94	13.88	12.69	1.10	PASS	
1913.00†	1912.38	-9.87	13.94	1913.20	1911.97	-22.73	2.64	95.82	17.13	13.56	1.28	PASS	
2013.00†	2011.57	-17.17	24.25	2013.12	2011.26	-31.67	9.18	100.59	20.91	14.47	1.47	PASS	
2033.52	2031.86	-18.92	26.72	2033.60	2031.62	-33.50	10.52	102.47	21.79	14.67	1.51	PASS	
2113.00†	2110.44	-25.84	36.50	2112.95	2110.48	-40.59	15.72	109.14	25.48	15.45	1.68	PASS	
2213.00†	2209.30	-34.55	48.80	2212.78	2209.70	-49.52	22.26	115.14	30.47	16.45	1.89	PASS	
2313.00†	2308.15	-43.27	61.10	2312.62	2308.92	-58.44	28.80	119.42	35.70	17.46	2.09	PASS	
2413.00†	2407.01	-51.98	73.41	2412.45	2408.14	-67.37	35.34	122.59	41.08	18.46	2.27	PASS	
2513.00†	2505.87	-60.69	85.71	2512.28	2507.35	-76.29	41.88	125.02	46.55	19.46	2.45	PASS	
2613.00†	2604.73	-69.40	98.01	2612.12	2606.57	-85.22	48.42	126.94	52.09	20.46	2.60	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 18 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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
2713.00†	2703.58	-78.11	110.32	2711.95	2705.79	-94.14	54.96	128.49	57.68	21.45	2.75	PASS
2813.00†	2802.44	-86.82	122.62	2811.78	2805.01	-103.07	61.49	129.76	63.30	22.45	2.88	PASS
2913.00†	2901.30	-95.53	134.92	2911.61	2904.22	-111.99	68.03	130.83	68.95	23.45	3.00	PASS
3013.00†	3000.15	-104.24	147.23	3011.45	3003.44	-120.92	74.57	131.73	74.61	24.46	3.11	PASS
3113.00†	3099.01	-112.96	159.53	3111.28	3102.66	-129.84	81.11	132.51	80.30	25.46	3.22	PASS
3213.00†	3197.87	-121.67	171.83	3211.11	3201.88	-138.77	87.65	133.18	85.99	26.47	3.31	PASS
3313.00†	3296.73	-130.38	184.13	3310.95	3301.10	-147.69	94.19	133.77	91.70	27.47	3.40	PASS
3413.00†	3395.58	-139.09	196.44	3410.78	3400.31	-156.62	100.73	134.29	97.42	28.48	3.48	PASS
3513.00†	3494.44	-147.80	208.74	3510.61	3499.53	-165.54	107.27	134.76	103.14	29.50	3.56	PASS
3613.00†	3593.30	-156.51	221.04	3610.44	3598.75	-174.47	113.81	135.17	108.87	30.51	3.63	PASS
3713.00†	3692.15	-165.22	233.35	3710.28	3697.97	-183.39	120.35	135.54	114.60	31.52	3.70	PASS
3813.00†	3791.01	-173.93	245.65	3810.11	3797.19	-192.32	126.89	135.88	120.34	32.54	3.76	PASS
3913.00†	3889.87	-182.65	257.95	3909.94	3896.40	-201.24	133.42	136.19	126.08	33.56	3.82	PASS
4013.00†	3988.73	-191.36	270.26	4009.78	3995.62	-210.17	139.96	136.47	131.82	34.58	3.87	PASS
4113.00†	4087.58	-200.07	282.56	4109.61	4094.84	-219.09	146.50	136.73	137.57	35.60	3.92	PASS
4213.00†	4186.44	-208.78	294.86	4209.44	4194.06	-228.02	153.04	136.96	143.32	36.62	3.97	PASS
4313.00†	4285.30	-217.49	307.17	4309.27	4293.27	-236.94	159.58	137.18	149.07	37.64	4.02	PASS
4413.00†	4384.15	-226.20	319.47	4409.11	4392.49	-245.87	166.12	137.38	154.83	38.66	4.06	PASS
4513.00†	4483.01	-234.91	331.77	4508.94	4491.71	-254.79	172.66	137.57	160.58	39.69	4.10	PASS
4613.00†	4581.87	-243.63	344.07	4608.77	4590.93	-263.72	179.20	137.74	166.34	40.71	4.14	PASS
4713.00†	4680.73	-252.34	356.38	4708.61	4690.15	-272.64	185.74	137.90	172.10	41.74	4.18	PASS
4813.00†	4779.58	-261.05	368.68	4808.44	4789.36	-281.57	192.28	138.06	177.86	42.76	4.21	PASS
4913.00†	4878.44	-269.76	380.98	4908.27	4888.58	-290.49	198.82	138.20	183.62	43.79	4.25	PASS
5013.00†	4977.30	-278.47	393.29	5008.10	4987.80	-299.42	205.35	138.33	189.39	44.82	4.28	PASS
5113.00†	5076.16	-287.18	405.59	5107.94	5087.02	-308.34	211.89	138.46	195.15	45.85	4.31	PASS
5213.00†	5175.01	-295.89	417.89	5207.77	5186.24	-317.27	218.43	138.58	200.92	46.87	4.34	PASS
5313.00†	5273.87	-304.60	430.20	5307.60	5285.45	-326.19	224.97	138.69	206.68	47.90	4.36	PASS
5413.00†	5372.73	-313.32	442.50	5407.44	5384.67	-335.12	231.51	138.79	212.45	48.93	4.39	PASS
5513.00†	5471.58	-322.03	454.80	5507.27	5483.89	-344.05	238.05	138.90	218.21	49.96	4.42	PASS
5613.00†	5570.44	-330.74	467.10	5607.10	5583.11	-352.97	244.59	138.99	223.98	50.99	4.44	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 19 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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
5713.00†	5669.30	-339.45	479.41	5706.93	5682.32	-361.90	251.13	139.08	229.75	52.03	4.46	PASS
5813.00†	5768.16	-348.16	491.71	5806.77	5781.54	-370.82	257.67	139.17	235.52	53.06	4.49	PASS
5913.00†	5867.01	-356.87	504.01	5906.60	5880.76	-379.75	264.21	139.25	241.29	54.09	4.51	PASS
6013.00†	5965.87	-365.58	516.32	6006.43	5979.98	-388.67	270.75	139.33	247.06	55.12	4.53	PASS
6113.00†	6064.73	-374.30	528.62	6106.27	6079.20	-397.60	277.29	139.40	252.83	56.15	4.55	PASS
6213.00†	6163.58	-383.01	540.92	6206.10	6178.41	-406.52	283.82	139.47	258.60	57.19	4.57	PASS
6313.00†	6262.44	-391.72	553.23	6305.93	6277.63	-415.45	290.36	139.54	264.37	58.22	4.58	PASS
6413.00†	6361.30	-400.43	565.53	6405.76	6376.85	-424.37	296.90	139.61	270.14	59.26	4.60	PASS
6513.00†	6460.16	-409.14	577.83	6505.60	6476.07	-433.30	303.44	139.67	275.91	60.29	4.62	PASS
6613.00†	6559.01	-417.85	590.14	6605.43	6575.29	-442.22	309.98	139.73	281.68	61.32	4.64	PASS
6713.00†	6657.87	-426.56	602.44	6705.26	6674.50	-451.15	316.52	139.79	287.46	62.36	4.65	PASS
6813.00†	6756.73	-435.27	614.74	6805.10	6773.72	-460.07	323.06	139.84	293.23	63.39	4.67	PASS
6913.00†	6855.59	-443.99	627.04	6908.42	6876.68	-460.98	329.86	141.49	298.41	64.24	4.69	PASS
7013.00†	6954.44	-452.70	639.35	7006.07	6972.65	-444.84	336.25	146.17	303.75	64.86	4.72	PASS
7103.69	7044.09	-460.60	650.50	7085.70	7047.99	-419.73	341.29	152.01	311.93	64.32	4.89	PASS
7113.00†	7053.31	-461.33	651.65	7093.36	7055.03	-416.77	341.77	158.08	313.08	64.29	4.91	PASS
7213.00†	7152.40	-459.71	664.01	7173.19	7125.86	-380.40	346.54	-125.03	328.30	63.76	5.20	PASS
7313.00†	7249.70	-440.76	676.19	7249.45	7188.19	-336.76	350.76	-92.47	347.13	63.77	5.49	PASS
7413.00†	7342.25	-405.08	687.82	7323.00	7242.32	-287.18	354.46	-78.29	367.44	63.51	5.84	PASS
7513.00†	7427.25	-353.74	698.55	7394.48	7288.43	-232.72	357.64	-69.72	387.47	62.90	6.22	PASS
7613.00†	7502.10	-288.31	708.05	7464.39	7326.65	-174.29	360.31	-63.89	405.83	62.20	6.59	PASS
7713.00†	7564.53	-210.76	716.03	7533.13	7357.04	-112.71	362.47	-59.80	421.51	61.52	6.92	PASS
7813.00†	7612.65	-123.47	722.25	7601.03	7379.62	-48.74	364.12	-57.01	433.76	60.97	7.19	PASS
7913.00†	7645.00	-29.07	726.53	7668.37	7394.40	16.90	365.25	-55.27	442.07	60.58	7.37	PASS
8013.00†	7660.58	69.55	728.72	7735.38	7401.39	83.51	365.88	-54.47	446.13	60.53	7.45	PASS
8053.48	7662.00	110.00	729.00	7762.76	7402.00	110.88	365.98	-54.39	446.52	60.46	7.46	PASS
8113.00†	7662.00	169.52	729.15	7822.27	7402.00	170.39	366.13	-54.39	446.53	60.92	7.40	PASS
8213.00†	7662.00	269.52	729.41	7922.27	7402.00	270.39	366.37	-54.39	446.54	62.01	7.27	PASS
8313.00†	7662.00	369.52	729.66	8022.27	7402.00	370.39	366.61	-54.39	446.55	63.57	7.09	PASS
8413.00†	7662.00	469.52	729.92	8122.27	7402.00	470.39	366.85	-54.39	446.56	65.53	6.88	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 20 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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
8513.00†	7662.00	569.52	730.17	8222.27	7402.00	570.39	367.09	-54.39	446.57	67.86	6.64	PASS
8613.00†	7662.00	669.52	730.43	8322.27	7402.00	670.39	367.33	-54.40	446.58	70.51	6.39	PASS
8713.00†	7662.00	769.51	730.68	8422.27	7402.00	770.39	367.58	-54.40	446.60	73.45	6.13	PASS
8813.00†	7662.00	869.51	730.94	8522.27	7402.00	870.39	367.82	-54.40	446.61	76.65	5.87	PASS
8913.00†	7662.00	969.51	731.19	8622.27	7402.00	970.39	368.06	-54.40	446.62	80.07	5.62	PASS
9013.00†	7662.00	1069.51	731.45	8722.27	7402.00	1070.39	368.30	-54.40	446.63	83.69	5.37	PASS
9113.00†	7662.00	1169.51	731.70	8822.27	7402.00	1170.39	368.54	-54.40	446.64	87.38	5.15	PASS
9213.00†	7662.00	1269.51	731.96	8922.27	7402.00	1270.39	368.78	-54.40	446.65	91.42	4.92	PASS
9313.00†	7662.00	1369.51	732.21	9022.27	7402.00	1370.39	369.03	-54.40	446.66	95.50	4.70	PASS
9413.00†	7662.00	1469.51	732.47	9122.27	7402.00	1470.39	369.27	-54.40	446.67	99.69	4.51	PASS
9513.00†	7662.00	1569.51	732.72	9222.27	7402.00	1570.39	369.51	-54.40	446.68	103.98	4.32	PASS
9613.00†	7662.00	1669.51	732.98	9322.27	7402.00	1670.39	369.75	-54.41	446.69	108.35	4.14	PASS
9713.00†	7662.00	1769.51	733.23	9422.27	7402.00	1770.39	369.99	-54.41	446.71	112.81	3.98	PASS
9813.00†	7662.00	1869.51	733.49	9522.27	7402.00	1870.39	370.23	-54.41	446.72	117.34	3.82	PASS
9913.00†	7662.00	1969.51	733.74	9622.27	7402.00	1970.39	370.48	-54.41	446.73	121.93	3.68	PASS
10013.00†	7662.00	2069.51	734.00	9722.27	7402.00	2070.39	370.72	-54.41	446.74	126.58	3.54	PASS
10113.00†	7662.00	2169.51	734.26	9822.27	7402.00	2170.39	370.96	-54.41	446.75	131.27	3.42	PASS
10213.00†	7662.00	2269.51	734.51	9922.27	7402.00	2270.39	371.20	-54.41	446.76	136.01	3.30	PASS
10313.00†	7662.00	2369.51	734.77	10022.27	7402.00	2370.39	371.44	-54.41	446.77	140.79	3.18	PASS
10413.00†	7662.00	2469.51	735.02	10122.27	7402.00	2470.39	371.68	-54.41	446.78	145.61	3.08	PASS
10513.00†	7662.00	2569.51	735.28	10222.27	7402.00	2570.39	371.92	-54.41	446.79	150.46	2.98	PASS
10613.00†	7662.00	2669.51	735.53	10322.27	7402.00	2670.39	372.17	-54.42	446.81	155.33	2.89	PASS
10713.00†	7662.00	2769.51	735.79	10422.27	7402.00	2770.39	372.41	-54.42	446.82	160.24	2.80	PASS
10813.00†	7662.00	2869.51	736.04	10522.27	7402.00	2870.39	372.65	-54.42	446.83	165.17	2.71	PASS
10913.00†	7662.00	2969.51	736.30	10622.27	7402.00	2970.39	372.89	-54.42	446.84	170.12	2.63	PASS
11013.00†	7662.00	3069.51	736.55	10722.27	7402.00	3070.39	373.13	-54.42	446.85	175.09	2.56	PASS
11113.00†	7662.00	3169.51	736.81	10822.27	7402.00	3170.39	373.37	-54.42	446.86	180.08	2.49	PASS
11213.00†	7662.00	3269.51	737.06	10922.27	7402.00	3270.38	373.62	-54.42	446.87	185.09	2.42	PASS
11313.00†	7662.00	3369.51	737.32	11022.27	7402.00	3370.38	373.86	-54.42	446.88	190.11	2.36	PASS
11413.00†	7662.00	3469.51	737.57	11122.27	7402.00	3470.38	374.10	-54.42	446.89	195.15	2.29	PASS

C-C Clearance Distance Cutoff: 1000.00 ft





# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 21 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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
11513.00†	7662.00	3569.51	737.83	11222.27	7402.00	3570.38	374.34	-54.42	446.90	200.21	2.24	PASS
11613.00†	7662.00	3669.51	738.08	11322.27	7402.00	3670.38	374.58	-54.43	446.92	205.27	2.18	PASS
11713.00†	7662.00	3769.51	738.34	11422.27	7402.00	3770.38	374.82	-54.43	446.93	210.35	2.13	PASS
11813.00†	7662.00	3869.50	738.59	11522.27	7402.00	3870.38	375.07	-54.43	446.94	215.44	2.08	PASS
11913.00†	7662.00	3969.50	738.85	11622.27	7402.00	3970.38	375.31	-54.43	446.95	220.53	2.03	PASS
12013.00†	7662.00	4069.50	739.10	11722.27	7402.00	4070.38	375.55	-54.43	446.96	225.64	1.98	PASS
12113.00†	7662.00	4169.50	739.36	11822.27	7402.00	4170.38	375.79	-54.43	446.97	230.76	1.94	PASS
12213.00†	7662.00	4269.50	739.61	11922.27	7402.00	4270.38	376.03	-54.43	446.98	235.88	1.90	PASS
12313.00†	7662.00	4369.50	739.87	12022.27	7402.00	4370.38	376.27	-54.43	446.99	241.01	1.86	PASS
12413.00†	7662.00	4469.50	740.12	12122.27	7402.00	4470.38	376.51	-54.43	447.00	246.15	1.82	PASS
12513.00†	7662.00	4569.50	740.38	12222.27	7402.00	4570.38	376.76	-54.43	447.01	251.30	1.78	PASS
12613.00†	7662.00	4669.50	740.63	12322.27	7402.00	4670.38	377.00	-54.44	447.03	256.45	1.75	PASS
12713.00†	7662.00	4769.50	740.89	12422.27	7402.00	4770.38	377.24	-54.44	447.04	261.61	1.71	PASS
12813.00†	7662.00	4869.50	741.14	12522.27	7402.00	4870.38	377.48	-54.44	447.05	266.78	1.68	PASS
12913.00†	7662.00	4969.50	741.40	12622.27	7402.00	4970.38	377.72	-54.44	447.06	271.95	1.65	PASS
13013.00†	7662.00	5069.50	741.66	12722.27	7402.00	5070.38	377.96	-54.44	447.07	277.12	1.61	PASS
13113.00†	7662.00	5169.50	741.91	12822.27	7402.00	5170.38	378.21	-54.44	447.08	282.30	1.59	PASS
13213.00†	7662.00	5269.50	742.17	12922.27	7402.00	5270.38	378.45	-54.44	447.09	287.49	1.56	PASS
13313.00†	7662.00	5369.50	742.42	13022.27	7402.00	5370.38	378.69	-54.44	447.10	292.68	1.53	PASS
13413.00†	7662.00	5469.50	742.68	13122.27	7402.00	5470.38	378.93	-54.44	447.11	297.87	1.50	PASS
13513.00†	7662.00	5569.50	742.93	13222.27	7402.00	5570.38	379.17	-54.44	447.13	303.07	1.48	PASS
13613.00†	7662.00	5669.50	743.19	13322.27	7402.00	5670.38	379.41	-54.45	447.14	308.27	1.45	PASS
13713.00†	7662.00	5769.50	743.44	13422.27	7402.00	5770.38	379.66	-54.45	447.15	313.47	1.43	PASS
13813.00†	7662.00	5869.50	743.70	13522.27	7402.00	5870.38	379.90	-54.45	447.16	318.68	1.40	PASS
13913.00†	7662.00	5969.50	743.95	13622.27	7402.00	5970.38	380.14	-54.45	447.17	323.89	1.38	PASS
14013.00†	7662.00	6069.50	744.21	13722.27	7402.00	6070.38	380.38	-54.45	447.18	329.11	1.36	PASS
14113.00†	7662.00	6169.50	744.46	13822.27	7402.00	6170.38	380.62	-54.45	447.19	334.32	1.34	PASS
14213.00†	7662.00	6269.50	744.72	13922.27	7402.00	6270.38	380.86	-54.45	447.20	339.54	1.32	PASS
14313.00†	7662.00	6369.50	744.97	14022.27	7402.00	6370.38	381.11	-54.45	447.21	344.76	1.30	PASS
14413.00†	7662.00	6469.50	745.23	14122.27	7402.00	6470.38	381.35	-54.45	447.22	349.99	1.28	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 22 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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
14513.00†	7662.00	6569.50	745.48	14222.27	7402.00	6570.38	381.59	-54.46	447.24	355.22	1.26	PASS
14613.00†	7662.00	6669.50	745.74	14322.27	7402.00	6670.37	381.83	-54.46	447.25	360.45	1.24	PASS
14713.00†	7662.00	6769.50	745.99	14422.27	7402.00	6770.37	382.07	-54.46	447.26	365.68	1.22	PASS
14813.00†	7662.00	6869.50	746.25	14522.27	7402.00	6870.37	382.31	-54.46	447.27	370.91	1.21	PASS
14913.00†	7662.00	6969.49	746.50	14622.27	7402.00	6970.37	382.55	-54.46	447.28	376.15	1.19	PASS
15013.00†	7662.00	7069.49	746.76	14722.27	7402.00	7070.37	382.80	-54.46	447.29	381.39	1.17	PASS
15113.00†	7662.00	7169.49	747.01	14822.27	7402.00	7170.37	383.04	-54.46	447.30	386.63	1.16	PASS
15213.00†	7662.00	7269.49	747.27	14922.27	7402.00	7270.37	383.28	-54.46	447.31	391.87	1.14	PASS
15313.00†	7662.00	7369.49	747.52	15022.27	7402.00	7370.37	383.52	-54.46	447.32	397.11	1.13	PASS
15413.00†	7662.00	7469.49	747.78	15122.27	7402.00	7470.37	383.76	-54.46	447.34	402.36	1.11	PASS
15513.00†	7662.00	7569.49	748.03	15222.27	7402.00	7570.37	384.00	-54.47	447.35	407.61	1.10	PASS
15613.00†	7662.00	7669.49	748.29	15322.27	7402.00	7670.37	384.25	-54.47	447.36	412.86	1.08	PASS
15713.00†	7662.00	7769.49	748.54	15422.27	7402.00	7770.37	384.49	-54.47	447.37	418.11	1.07	PASS
15813.00†	7662.00	7869.49	748.80	15522.27	7402.00	7870.37	384.73	-54.47	447.38	423.36	1.06	PASS
15913.00†	7662.00	7969.49	749.06	15622.27	7402.00	7970.37	384.97	-54.47	447.39	428.61	1.04	PASS
16013.00†	7662.00	8069.49	749.31	15722.27	7402.00	8070.37	385.21	-54.47	447.40	433.87	1.03	PASS
16113.00†	7662.00	8169.49	749.57	15822.27	7402.00	8170.37	385.45	-54.47	447.41	439.12	1.02	PASS
16213.00†	7662.00	8269.49	749.82	15922.27	7402.00	8270.37	385.70	-54.47	447.42	444.38	1.01	PASS
16313.00†	7662.00	8369.49	750.08	16022.27	7402.00	8370.37	385.94	-54.47	447.43	449.64	1.00	FAIL
16413.00†	7662.00	8469.49	750.33	16122.27	7402.00	8470.37	386.18	-54.47	447.45	454.90	0.98	FAIL
16513.00†	7662.00	8569.49	750.59	16222.27	7402.00	8570.37	386.42	-54.48	447.46	460.16	0.97	FAIL
16613.00†	7662.00	8669.49	750.84	16322.27	7402.00	8670.37	386.66	-54.48	447.47	465.42	0.96	FAIL
16713.00†	7662.00	8769.49	751.10	16422.27	7402.00	8770.37	386.90	-54.48	447.48	470.68	0.95	FAIL
16813.00†	7662.00	8869.49	751.35	16522.27	7402.00	8870.37	387.15	-54.48	447.49	475.95	0.94	FAIL
16913.00†	7662.00	8969.49	751.61	16622.27	7402.00	8970.37	387.39	-54.48	447.50	481.21	0.93	FAIL
17013.00†	7662.00	9069.49	751.86	16722.27	7402.00	9070.37	387.63	-54.48	447.51	486.48	0.92	FAIL
17113.00†	7662.00	9169.49	752.12	16822.27	7402.00	9170.37	387.87	-54.48	447.52	491.75	0.91	FAIL
17213.00†	7662.00	9269.49	752.37	16922.27	7402.00	9270.37	388.11	-54.48	447.53	497.02	0.90	FAIL
17313.00†	7662.00	9369.49	752.63	17022.27	7402.00	9370.37	388.35	-54.48	447.55	502.29	0.89	FAIL
17413.00†	7662.00	9469.49	752.88	17122.27	7402.00	9470.37	388.59	-54.48	447.56	507.56	0.88	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 23 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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
17513.00†	7662.00	9569.49	753.14	17222.27	7402.00	9570.37	388.84	-54.49	447.57	512.83	0.87	FAIL
17613.00†	7662.00	9669.49	753.39	17322.27	7402.00	9670.37	389.08	-54.49	447.58	518.10	0.86	FAIL
17713.00†	7662.00	9769.49	753.65	17422.27	7402.00	9770.37	389.32	-54.49	447.59	523.37	0.86	FAIL
17813.00†	7662.00	9869.49	753.90	17522.27	7402.00	9870.37	389.56	-54.49	447.60	528.64	0.85	FAIL
17825.01†	7662.00	9881.50	753.93	17534.29	7402.00	9882.38	389.59	-54.49	447.60	529.28	0.85	FAIL
17833.19	7662.00	9889.67	753.96	17534.29	7402.00	9882.38	389.59	-54.49	447.68	528.84	0.85	FAIL

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	-8.55	0.00	-8.55
8.5in Open Hole	700.00	17534.29	16834.29	700.00	N/A	0.00	-8.55	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



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 24 of 104



REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH PWB
Facility	SEC.19-T01S-R65W		

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 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 25 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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	-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	1.72	32.62	PASS	
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-30.84	-90.00	30.84	2.29	20.17	PASS	
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-30.84	-90.00	30.84	2.89	14.36	PASS	
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-30.84	-90.00	30.84	3.51	11.10	PASS	
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-30.84	-90.00	30.84	4.13	9.03	PASS	
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-30.84	-90.00	30.84	4.75	7.61	PASS	
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-30.84	-90.00	30.84	4.98	7.06	PASS	
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	-30.84	-90.00	30.84	5.13	6.81	PASS	
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	-30.84	-90.00	30.84	5.52	6.26	PASS	
1013.00†	1013.00	0.00	0.00	1013.00	1013.00	0.00	-30.84	-90.00	30.84	6.09	5.60	PASS	
1113.00†	1113.00	0.00	0.00	1113.00	1113.00	0.00	-30.84	-90.00	30.84	6.79	4.96	PASS	
1213.00†	1213.00	0.00	0.00	1213.00	1213.00	0.00	-30.84	-90.00	30.84	7.57	4.39	PASS	
1313.00†	1313.00	0.00	0.00	1313.00	1313.00	0.00	-30.84	-90.00	30.84	8.42	3.91	PASS	
1413.00†	1413.00	0.00	0.00	1413.01	1413.01	-0.03	-30.84	-90.06	30.84	9.31	3.50	PASS	
1500.50†	1500.50	0.00	0.00	1500.50	1500.48	-1.76	-30.74	-93.28	30.79	10.12	3.20	PASS	
1513.00†	1513.00	0.00	0.00	1513.01	1512.98	-2.23	-30.72	-94.14	30.80	10.24	3.16	PASS	
1600.00	1600.00	0.00	0.00	1599.80	1599.64	-6.95	-30.45	-102.86	31.23	11.07	2.94	PASS	
1613.00†	1613.00	-0.02	0.02	1612.74	1612.54	-7.88	-30.39	130.20	31.42	11.20	2.93	PASS	
1713.00†	1712.97	-1.29	1.82	1712.38	1711.83	-16.26	-29.91	119.36	35.11	12.23	2.98	PASS	
1813.00†	1812.80	-4.57	6.46	1812.15	1811.23	-24.86	-29.42	115.01	41.25	13.29	3.22	PASS	
1913.00†	1912.38	-9.87	13.94	1911.84	1910.55	-33.45	-28.93	115.54	48.97	14.35	3.54	PASS	
2013.00†	2011.57	-17.17	24.25	2011.35	2009.68	-42.03	-28.44	118.96	58.30	15.46	3.90	PASS	
2033.52	2031.86	-18.92	26.72	2031.73	2029.98	-43.79	-28.34	119.87	60.45	15.70	3.99	PASS	
2113.00†	2110.44	-25.84	36.50	2110.65	2108.62	-50.59	-27.95	123.20	69.06	16.57	4.31	PASS	
2213.00†	2209.30	-34.55	48.80	2209.95	2207.54	-59.15	-27.46	126.36	80.15	17.69	4.68	PASS	
2313.00†	2308.15	-43.27	61.10	2309.25	2306.47	-67.71	-26.98	128.74	91.42	18.81	5.01	PASS	
2413.00†	2407.01	-51.98	73.41	2408.55	2405.40	-76.27	-26.49	130.60	102.82	19.93	5.31	PASS	
2513.00†	2505.87	-60.69	85.71	2507.85	2504.33	-84.83	-26.00	132.09	114.30	21.06	5.58	PASS	
2613.00†	2604.73	-69.40	98.01	2607.15	2603.26	-93.39	-25.51	133.31	125.84	22.20	5.82	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 26 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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
2713.00†	2703.58	-78.11	110.32	2706.45	2702.19	-101.95	-25.02	134.32	137.43	23.34	6.04	PASS
2813.00†	2802.44	-86.82	122.62	2805.75	2801.12	-110.51	-24.53	135.17	149.05	24.48	6.24	PASS
2913.00†	2901.30	-95.53	134.92	2905.05	2900.05	-119.07	-24.04	135.90	160.70	25.63	6.42	PASS
3013.00†	3000.15	-104.24	147.23	3004.35	2998.97	-127.63	-23.55	136.53	172.38	26.78	6.59	PASS
3113.00†	3099.01	-112.96	159.53	3103.65	3097.90	-136.19	-23.06	137.08	184.07	27.93	6.74	PASS
3213.00†	3197.87	-121.67	171.83	3202.95	3196.83	-144.75	-22.58	137.57	195.77	29.08	6.87	PASS
3313.00†	3296.73	-130.38	184.13	3302.25	3295.76	-153.31	-22.09	138.00	207.49	30.24	7.00	PASS
3413.00†	3395.58	-139.09	196.44	3401.55	3394.69	-161.87	-21.60	138.38	219.22	31.40	7.12	PASS
3513.00†	3494.44	-147.80	208.74	3500.85	3493.62	-170.43	-21.11	138.73	230.96	32.56	7.23	PASS
3613.00†	3593.30	-156.51	221.04	3600.15	3592.55	-178.99	-20.62	139.04	242.71	33.72	7.33	PASS
3713.00†	3692.15	-165.22	233.35	3699.45	3691.48	-187.55	-20.13	139.32	254.46	34.89	7.42	PASS
3813.00†	3791.01	-173.93	245.65	3798.75	3790.40	-196.11	-19.64	139.58	266.22	36.05	7.51	PASS
3913.00†	3889.87	-182.65	257.95	3898.05	3889.33	-204.67	-19.15	139.82	277.98	37.22	7.59	PASS
4013.00†	3988.73	-191.36	270.26	3997.34	3988.26	-213.23	-18.66	140.04	289.75	38.39	7.67	PASS
4113.00†	4087.58	-200.07	282.56	4096.64	4087.19	-221.79	-18.17	140.24	301.52	39.56	7.74	PASS
4213.00†	4186.44	-208.78	294.86	4195.94	4186.12	-230.35	-17.69	140.42	313.29	40.73	7.81	PASS
4313.00†	4285.30	-217.49	307.17	4295.24	4285.05	-238.91	-17.20	140.59	325.07	41.90	7.88	PASS
4413.00†	4384.15	-226.20	319.47	4394.54	4383.98	-247.47	-16.71	140.75	336.85	43.07	7.94	PASS
4513.00†	4483.01	-234.91	331.77	4493.84	4482.90	-256.03	-16.22	140.90	348.63	44.24	7.99	PASS
4613.00†	4581.87	-243.63	344.07	4593.14	4581.83	-264.59	-15.73	141.04	360.41	45.41	8.05	PASS
4713.00†	4680.73	-252.34	356.38	4692.44	4680.76	-273.15	-15.24	141.17	372.20	46.59	8.10	PASS
4813.00†	4779.58	-261.05	368.68	4791.74	4779.69	-281.71	-14.75	141.29	383.99	47.76	8.15	PASS
4913.00†	4878.44	-269.76	380.98	4891.04	4878.62	-290.27	-14.26	141.41	395.78	48.94	8.19	PASS
5013.00†	4977.30	-278.47	393.29	4990.34	4977.55	-298.83	-13.77	141.52	407.57	50.12	8.23	PASS
5113.00†	5076.16	-287.18	405.59	5089.64	5076.48	-307.39	-13.29	141.62	419.36	51.29	8.28	PASS
5213.00†	5175.01	-295.89	417.89	5188.94	5175.41	-315.95	-12.80	141.72	431.16	52.47	8.32	PASS
5313.00†	5273.87	-304.60	430.20	5288.24	5274.33	-324.51	-12.31	141.81	442.95	53.65	8.35	PASS
5413.00†	5372.73	-313.32	442.50	5387.54	5373.26	-333.07	-11.82	141.90	454.75	54.82	8.39	PASS
5513.00†	5471.58	-322.03	454.80	5486.84	5472.19	-341.63	-11.33	141.98	466.54	56.00	8.42	PASS
5613.00†	5570.44	-330.74	467.10	5586.14	5571.12	-350.19	-10.84	142.06	478.34	57.18	8.46	PASS

C-C Clearance Distance Cutoff: 1000.00 ft





# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 27 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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
5713.00†	5669.30	-339.45	479.41	5685.44	5670.05	-358.75	-10.35	142.13	490.14	58.36	8.49	PASS
5813.00†	5768.16	-348.16	491.71	5784.74	5768.98	-367.31	-9.86	142.20	501.94	59.54	8.52	PASS
5913.00†	5867.01	-356.87	504.01	5884.04	5867.91	-375.87	-9.37	142.27	513.74	60.72	8.55	PASS
6013.00†	5965.87	-365.58	516.32	5983.34	5966.84	-384.43	-8.89	142.34	525.54	61.90	8.58	PASS
6113.00†	6064.73	-374.30	528.62	6082.64	6065.76	-392.99	-8.40	142.40	537.34	63.08	8.60	PASS
6213.00†	6163.58	-383.01	540.92	6181.93	6164.69	-401.55	-7.91	142.46	549.14	64.26	8.63	PASS
6313.00†	6262.44	-391.72	553.23	6281.23	6263.62	-410.11	-7.42	142.51	560.95	65.44	8.65	PASS
6413.00†	6361.30	-400.43	565.53	6380.53	6362.55	-418.67	-6.93	142.57	572.75	66.62	8.68	PASS
6513.00†	6460.16	-409.14	577.83	6479.83	6461.48	-427.23	-6.44	142.62	584.55	67.80	8.70	PASS
6613.00†	6559.01	-417.85	590.14	6579.13	6560.41	-435.79	-5.95	142.67	596.36	68.99	8.72	PASS
6713.00†	6657.87	-426.56	602.44	6678.43	6659.34	-444.35	-5.46	142.72	608.16	70.17	8.75	PASS
6813.00†	6756.73	-435.27	614.74	6777.73	6758.26	-452.91	-4.97	142.77	619.97	71.35	8.77	PASS
6913.00†	6855.59	-443.99	627.04	6877.29	6857.46	-461.44	-4.48	142.82	631.77	72.53	8.79	PASS
7013.00†	6954.44	-452.70	639.35	6978.66	6958.68	-459.84	-3.96	143.78	643.36	74.52	8.71	PASS
7103.69	7044.09	-460.60	650.50	7065.14	7043.68	-444.39	-3.48	145.81	654.18	72.48	9.11	PASS
7113.00†	7053.31	-461.33	651.65	7073.60	7051.86	-442.20	-3.43	151.50	655.36	76.98	8.58	PASS
7213.00†	7152.40	-459.71	664.01	7162.20	7135.08	-412.07	-2.92	-135.40	668.86	80.40	8.38	PASS
7313.00†	7249.70	-440.76	676.19	7247.17	7209.63	-371.47	-2.43	-105.98	683.33	80.85	8.52	PASS
7413.00†	7342.25	-405.08	687.82	7329.27	7275.21	-322.18	-1.97	-94.26	697.98	80.85	8.70	PASS
7513.00†	7427.25	-353.74	698.55	7409.14	7331.60	-265.73	-1.53	-87.51	712.04	80.53	8.91	PASS
7613.00†	7502.10	-288.31	708.05	7487.28	7378.67	-203.43	-1.13	-82.97	724.82	80.13	9.12	PASS
7713.00†	7564.53	-210.76	716.03	7564.11	7416.27	-136.50	-0.76	-79.76	735.72	79.75	9.30	PASS
7813.00†	7612.65	-123.47	722.25	7639.98	7444.28	-66.05	-0.44	-77.53	744.26	79.51	9.44	PASS
7913.00†	7645.00	-29.07	726.53	7715.21	7462.64	6.85	-0.16	-76.12	750.07	79.47	9.51	PASS
8013.00†	7660.58	69.55	728.72	7790.06	7471.27	81.15	0.08	-75.46	752.92	79.75	9.52	PASS
8053.48	7662.00	110.00	729.00	7820.79	7472.00	111.87	0.16	-75.39	753.20	79.90	9.50	PASS
8113.00†	7662.00	169.52	729.15	7880.31	7472.00	171.39	0.31	-75.39	753.20	80.42	9.44	PASS
8213.00†	7662.00	269.52	729.41	7980.31	7472.00	271.39	0.57	-75.39	753.20	81.73	9.29	PASS
8313.00†	7662.00	369.52	729.66	8080.31	7472.00	371.39	0.83	-75.39	753.19	83.54	9.08	PASS
8413.00†	7662.00	469.52	729.92	8180.31	7472.00	471.39	1.08	-75.39	753.19	85.76	8.85	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 28 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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
8513.00†	7662.00	569.52	730.17	8280.31	7472.00	571.39	1.34	-75.39	753.19	88.36	8.58	PASS
8613.00†	7662.00	669.52	730.43	8380.31	7472.00	671.39	1.60	-75.39	753.19	91.31	8.31	PASS
8713.00†	7662.00	769.51	730.68	8480.31	7472.00	771.39	1.85	-75.39	753.19	94.57	8.02	PASS
8813.00†	7662.00	869.51	730.94	8580.31	7472.00	871.39	2.11	-75.39	753.19	98.11	7.73	PASS
8913.00†	7662.00	969.51	731.19	8680.31	7472.00	971.39	2.37	-75.39	753.19	101.91	7.44	PASS
9013.00†	7662.00	1069.51	731.45	8780.31	7472.00	1071.38	2.63	-75.39	753.18	105.93	7.15	PASS
9113.00†	7662.00	1169.51	731.70	8880.31	7472.00	1171.38	2.88	-75.39	753.18	110.15	6.88	PASS
9213.00†	7662.00	1269.51	731.96	8980.31	7472.00	1271.38	3.14	-75.39	753.18	114.55	6.61	PASS
9313.00†	7662.00	1369.51	732.21	9080.31	7472.00	1371.38	3.40	-75.39	753.18	119.11	6.36	PASS
9413.00†	7662.00	1469.51	732.47	9180.31	7472.00	1471.38	3.65	-75.39	753.18	123.80	6.11	PASS
9513.00†	7662.00	1569.51	732.72	9280.31	7472.00	1571.38	3.91	-75.39	753.18	128.63	5.88	PASS
9613.00†	7662.00	1669.51	732.98	9380.31	7472.00	1671.38	4.17	-75.39	753.18	133.56	5.66	PASS
9713.00†	7662.00	1769.51	733.23	9480.31	7472.00	1771.38	4.42	-75.39	753.17	138.59	5.46	PASS
9813.00†	7662.00	1869.51	733.49	9580.31	7472.00	1871.38	4.68	-75.39	753.17	143.72	5.26	PASS
9913.00†	7662.00	1969.51	733.74	9680.31	7472.00	1971.38	4.94	-75.39	753.17	148.92	5.08	PASS
10013.00†	7662.00	2069.51	734.00	9780.31	7472.00	2071.38	5.19	-75.39	753.17	154.19	4.90	PASS
10113.00†	7662.00	2169.51	734.26	9880.31	7472.00	2171.38	5.45	-75.39	753.17	159.53	4.74	PASS
10213.00†	7662.00	2269.51	734.51	9980.31	7472.00	2271.38	5.71	-75.39	753.17	164.93	4.58	PASS
10313.00†	7662.00	2369.51	734.77	10080.31	7472.00	2371.38	5.96	-75.39	753.17	170.38	4.43	PASS
10413.00†	7662.00	2469.51	735.02	10180.31	7472.00	2471.38	6.22	-75.39	753.16	175.88	4.30	PASS
10513.00†	7662.00	2569.51	735.28	10280.31	7472.00	2571.38	6.48	-75.39	753.16	181.42	4.16	PASS
10613.00†	7662.00	2669.51	735.53	10380.31	7472.00	2671.38	6.73	-75.39	753.16	187.00	4.04	PASS
10713.00†	7662.00	2769.51	735.79	10480.31	7472.00	2771.38	6.99	-75.39	753.16	192.61	3.92	PASS
10813.00†	7662.00	2869.51	736.04	10580.31	7472.00	2871.38	7.25	-75.39	753.16	198.26	3.81	PASS
10913.00†	7662.00	2969.51	736.30	10680.31	7472.00	2971.38	7.50	-75.39	753.16	203.94	3.70	PASS
11013.00†	7662.00	3069.51	736.55	10780.31	7472.00	3071.38	7.76	-75.39	753.15	209.65	3.60	PASS
11113.00†	7662.00	3169.51	736.81	10880.31	7472.00	3171.38	8.02	-75.39	753.15	215.38	3.51	PASS
11213.00†	7662.00	3269.51	737.06	10980.31	7472.00	3271.38	8.27	-75.39	753.15	221.14	3.41	PASS
11313.00†	7662.00	3369.51	737.32	11080.31	7472.00	3371.38	8.53	-75.39	753.15	226.92	3.33	PASS
11413.00†	7662.00	3469.51	737.57	11180.31	7472.00	3471.38	8.79	-75.39	753.15	232.72	3.24	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 29 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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
11513.00†	7662.00	3569.51	737.83	11280.31	7472.00	3571.38	9.04	-75.39	753.15	238.53	3.16	PASS
11613.00†	7662.00	3669.51	738.08	11380.31	7472.00	3671.38	9.30	-75.39	753.15	244.37	3.09	PASS
11713.00†	7662.00	3769.51	738.34	11480.31	7472.00	3771.38	9.56	-75.39	753.14	250.22	3.02	PASS
11813.00†	7662.00	3869.50	738.59	11580.31	7472.00	3871.38	9.81	-75.39	753.14	256.08	2.95	PASS
11913.00†	7662.00	3969.50	738.85	11680.31	7472.00	3971.38	10.07	-75.39	753.14	261.96	2.88	PASS
12013.00†	7662.00	4069.50	739.10	11780.31	7472.00	4071.38	10.33	-75.39	753.14	267.86	2.82	PASS
12113.00†	7662.00	4169.50	739.36	11880.31	7472.00	4171.37	10.58	-75.39	753.14	273.76	2.76	PASS
12213.00†	7662.00	4269.50	739.61	11980.31	7472.00	4271.37	10.84	-75.39	753.14	279.68	2.70	PASS
12313.00†	7662.00	4369.50	739.87	12080.31	7472.00	4371.37	11.10	-75.39	753.14	285.61	2.64	PASS
12413.00†	7662.00	4469.50	740.12	12180.31	7472.00	4471.37	11.35	-75.39	753.13	291.54	2.59	PASS
12513.00†	7662.00	4569.50	740.38	12280.31	7472.00	4571.37	11.61	-75.39	753.13	297.49	2.54	PASS
12613.00†	7662.00	4669.50	740.63	12380.31	7472.00	4671.37	11.87	-75.39	753.13	303.45	2.49	PASS
12713.00†	7662.00	4769.50	740.89	12480.31	7472.00	4771.37	12.12	-75.39	753.13	309.41	2.44	PASS
12813.00†	7662.00	4869.50	741.14	12580.31	7472.00	4871.37	12.38	-75.39	753.13	315.38	2.39	PASS
12913.00†	7662.00	4969.50	741.40	12680.31	7472.00	4971.37	12.64	-75.39	753.13	321.36	2.35	PASS
13013.00†	7662.00	5069.50	741.66	12780.31	7472.00	5071.37	12.89	-75.39	753.12	327.35	2.30	PASS
13113.00†	7662.00	5169.50	741.91	12880.31	7472.00	5171.37	13.15	-75.39	753.12	333.34	2.26	PASS
13213.00†	7662.00	5269.50	742.17	12980.31	7472.00	5271.37	13.41	-75.39	753.12	339.34	2.22	PASS
13313.00†	7662.00	5369.50	742.42	13080.31	7472.00	5371.37	13.66	-75.39	753.12	345.35	2.18	PASS
13413.00†	7662.00	5469.50	742.68	13180.31	7472.00	5471.37	13.92	-75.39	753.12	351.36	2.15	PASS
13513.00†	7662.00	5569.50	742.93	13280.31	7472.00	5571.37	14.18	-75.39	753.12	357.38	2.11	PASS
13613.00†	7662.00	5669.50	743.19	13380.31	7472.00	5671.37	14.43	-75.39	753.12	363.40	2.07	PASS
13713.00†	7662.00	5769.50	743.44	13480.31	7472.00	5771.37	14.69	-75.39	753.11	369.43	2.04	PASS
13813.00†	7662.00	5869.50	743.70	13580.31	7472.00	5871.37	14.95	-75.39	753.11	375.46	2.01	PASS
13913.00†	7662.00	5969.50	743.95	13680.31	7472.00	5971.37	15.20	-75.39	753.11	381.49	1.98	PASS
14013.00†	7662.00	6069.50	744.21	13780.31	7472.00	6071.37	15.46	-75.39	753.11	387.53	1.95	PASS
14113.00†	7662.00	6169.50	744.46	13880.31	7472.00	6171.37	15.72	-75.39	753.11	393.58	1.92	PASS
14213.00†	7662.00	6269.50	744.72	13980.31	7472.00	6271.37	15.97	-75.39	753.11	399.63	1.89	PASS
14313.00†	7662.00	6369.50	744.97	14080.31	7472.00	6371.37	16.23	-75.39	753.11	405.68	1.86	PASS
14413.00†	7662.00	6469.50	745.23	14180.31	7472.00	6471.37	16.49	-75.39	753.10	411.73	1.83	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 30 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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
14513.00†	7662.00	6569.50	745.48	14280.31	7472.00	6571.37	16.74	-75.39	753.10	417.79	1.80	PASS
14613.00†	7662.00	6669.50	745.74	14380.31	7472.00	6671.37	17.00	-75.39	753.10	423.85	1.78	PASS
14713.00†	7662.00	6769.50	745.99	14480.31	7472.00	6771.37	17.26	-75.39	753.10	429.92	1.75	PASS
14813.00†	7662.00	6869.50	746.25	14580.31	7472.00	6871.37	17.51	-75.39	753.10	435.99	1.73	PASS
14913.00†	7662.00	6969.49	746.50	14680.31	7472.00	6971.37	17.77	-75.39	753.10	442.06	1.70	PASS
15013.00†	7662.00	7069.49	746.76	14780.31	7472.00	7071.37	18.03	-75.39	753.10	448.13	1.68	PASS
15113.00†	7662.00	7169.49	747.01	14880.31	7472.00	7171.36	18.28	-75.39	753.09	454.21	1.66	PASS
15213.00†	7662.00	7269.49	747.27	14980.31	7472.00	7271.36	18.54	-75.39	753.09	460.28	1.64	PASS
15313.00†	7662.00	7369.49	747.52	15080.31	7472.00	7371.36	18.80	-75.39	753.09	466.37	1.62	PASS
15413.00†	7662.00	7469.49	747.78	15180.31	7472.00	7471.36	19.05	-75.39	753.09	472.45	1.59	PASS
15513.00†	7662.00	7569.49	748.03	15280.31	7472.00	7571.36	19.31	-75.39	753.09	478.53	1.57	PASS
15613.00†	7662.00	7669.49	748.29	15380.31	7472.00	7671.36	19.57	-75.39	753.09	484.62	1.55	PASS
15713.00†	7662.00	7769.49	748.54	15480.31	7472.00	7771.36	19.82	-75.39	753.08	490.71	1.54	PASS
15813.00†	7662.00	7869.49	748.80	15580.31	7472.00	7871.36	20.08	-75.39	753.08	496.80	1.52	PASS
15913.00†	7662.00	7969.49	749.06	15680.31	7472.00	7971.36	20.34	-75.39	753.08	502.90	1.50	PASS
16013.00†	7662.00	8069.49	749.31	15780.31	7472.00	8071.36	20.59	-75.39	753.08	508.99	1.48	PASS
16113.00†	7662.00	8169.49	749.57	15880.31	7472.00	8171.36	20.85	-75.39	753.08	515.09	1.46	PASS
16213.00†	7662.00	8269.49	749.82	15980.31	7472.00	8271.36	21.11	-75.39	753.08	521.19	1.45	PASS
16313.00†	7662.00	8369.49	750.08	16080.31	7472.00	8371.36	21.36	-75.39	753.08	527.29	1.43	PASS
16413.00†	7662.00	8469.49	750.33	16180.31	7472.00	8471.36	21.62	-75.39	753.07	533.39	1.41	PASS
16513.00†	7662.00	8569.49	750.59	16280.31	7472.00	8571.36	21.88	-75.39	753.07	539.49	1.40	PASS
16613.00†	7662.00	8669.49	750.84	16380.31	7472.00	8671.36	22.14	-75.39	753.07	545.60	1.38	PASS
16713.00†	7662.00	8769.49	751.10	16480.31	7472.00	8771.36	22.39	-75.39	753.07	551.71	1.37	PASS
16813.00†	7662.00	8869.49	751.35	16580.31	7472.00	8871.36	22.65	-75.39	753.07	557.81	1.35	PASS
16913.00†	7662.00	8969.49	751.61	16680.31	7472.00	8971.36	22.91	-75.39	753.07	563.92	1.34	PASS
17013.00†	7662.00	9069.49	751.86	16780.31	7472.00	9071.36	23.16	-75.39	753.07	570.03	1.32	PASS
17113.00†	7662.00	9169.49	752.12	16880.31	7472.00	9171.36	23.42	-75.39	753.06	576.15	1.31	PASS
17213.00†	7662.00	9269.49	752.37	16980.31	7472.00	9271.36	23.68	-75.39	753.06	582.26	1.29	PASS
17313.00†	7662.00	9369.49	752.63	17080.31	7472.00	9371.36	23.93	-75.39	753.06	588.37	1.28	PASS
17413.00†	7662.00	9469.49	752.88	17180.31	7472.00	9471.36	24.19	-75.39	753.06	594.49	1.27	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 31 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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
17513.00†	7662.00	9569.49	753.14	17280.31	7472.00	9571.36	24.45	-75.39	753.06	600.61	1.25	PASS
17613.00†	7662.00	9669.49	753.39	17380.31	7472.00	9671.36	24.70	-75.39	753.06	606.72	1.24	PASS
17713.00†	7662.00	9769.49	753.65	17480.31	7472.00	9771.36	24.96	-75.39	753.05	612.84	1.23	PASS
17813.00†	7662.00	9869.49	753.90	17580.31	7472.00	9871.36	25.22	-75.39	753.05	618.96	1.22	PASS
17816.89†	7662.00	9873.38	753.91	17584.04	7472.00	9875.09	25.23	-75.39	753.05	619.19	1.22	PASS
17833.19	7662.00	9889.67	753.96	17584.04	7472.00	9875.09	25.23	-75.39	753.23	619.05	1.22	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

## 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	-18.80	0.00	-18.80
8.5in Open Hole	700.00	17584.04	16884.04	700.00	7472.00	0.00	-18.80	3009.93	-1.71

## 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



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 32 of 104



REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH PWB
Facility	SEC.19-T01S-R65W		

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 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 33 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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	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	1.73	14.25	PASS
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	14.02	90.00	14.02	2.30	8.80	PASS
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	14.02	90.00	14.02	2.91	6.27	PASS
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	14.02	90.00	14.02	3.53	4.85	PASS
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	14.02	90.00	14.02	4.15	3.95	PASS
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	14.02	90.00	14.02	4.77	3.33	PASS
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	14.02	90.00	14.02	5.00	3.10	PASS
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	14.02	90.00	14.02	5.16	2.99	PASS
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	14.02	90.00	14.02	5.54	2.75	PASS
1013.00†	1013.00	0.00	0.00	1013.00	1013.00	0.00	14.02	90.00	14.02	6.11	2.46	PASS
1113.00†	1113.00	0.00	0.00	1113.00	1113.00	0.00	14.02	90.00	14.02	6.80	2.18	PASS
1213.00†	1213.00	0.00	0.00	1213.00	1213.00	0.00	14.02	90.00	14.02	7.59	1.93	PASS
1313.00†	1313.00	0.00	0.00	1313.00	1313.00	0.00	14.02	90.00	14.02	8.44	1.72	PASS
1413.00†	1413.00	0.00	0.00	1413.00	1413.00	0.00	14.02	90.00	14.02	9.33	1.54	PASS
1513.00†	1513.00	0.00	0.00	1512.94	1512.94	-0.01	14.05	90.05	14.05	10.25	1.40	PASS
1600.00	1600.00	0.00	0.00	1599.51	1599.49	-0.68	15.61	92.49	15.63	11.13	1.43	PASS
1613.00†	1613.00	-0.02	0.02	1612.44	1612.41	-0.87	16.05	-32.26	16.06	11.26	1.46	PASS
1713.00†	1712.97	-1.29	1.82	1711.79	1711.60	-3.08	21.21	-29.97	19.53	12.48	1.60	PASS
1813.00†	1812.80	-4.57	6.46	1811.01	1810.40	-6.63	29.53	-30.05	23.28	13.81	1.72	PASS
1913.00†	1912.38	-9.87	13.94	1910.10	1908.70	-11.52	40.96	-31.52	27.32	15.07	1.85	PASS
2013.00†	2011.57	-17.17	24.25	2009.05	2006.37	-17.73	55.49	-33.78	31.68	16.26	1.99	PASS
2033.52	2031.86	-18.92	26.72	2029.33	2026.32	-19.17	58.86	-34.31	32.61	16.48	2.02	PASS
2113.00†	2110.44	-25.84	36.50	2108.46	2104.01	-25.09	72.69	-35.90	36.77	17.24	2.18	PASS
2213.00†	2209.30	-34.55	48.80	2208.32	2202.02	-32.60	90.25	-37.40	42.13	18.24	2.36	PASS
2313.00†	2308.15	-43.27	61.10	2308.17	2300.03	-40.10	107.81	-38.56	47.51	19.28	2.52	PASS
2413.00†	2407.01	-51.98	73.41	2408.02	2398.04	-47.61	125.36	-39.48	52.91	20.35	2.66	PASS
2513.00†	2505.87	-60.69	85.71	2507.87	2496.05	-55.12	142.92	-40.23	58.32	21.45	2.78	PASS
2613.00†	2604.73	-69.40	98.01	2607.72	2594.05	-62.62	160.48	-40.85	63.73	22.57	2.88	PASS
2713.00†	2703.58	-78.11	110.32	2707.57	2692.06	-70.13	178.04	-41.38	69.15	23.71	2.98	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 34 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	2802.44	-86.82	122.62	2807.42	2790.07	-77.64	195.59	-41.83	74.58	24.87	3.06	PASS
2913.00†	2901.30	-95.53	134.92	2907.27	2888.08	-85.15	213.15	-42.22	80.01	26.05	3.13	PASS
3013.00†	3000.15	-104.24	147.23	3007.12	2986.09	-92.65	230.71	-42.55	85.45	27.24	3.19	PASS
3113.00†	3099.01	-112.96	159.53	3106.97	3084.10	-100.16	248.26	-42.85	90.88	28.43	3.25	PASS
3213.00†	3197.87	-121.67	171.83	3206.83	3182.10	-107.67	265.82	-43.12	96.32	29.64	3.30	PASS
3313.00†	3296.73	-130.38	184.13	3306.68	3280.11	-115.17	283.38	-43.35	101.76	30.86	3.35	PASS
3413.00†	3395.58	-139.09	196.44	3406.53	3378.12	-122.68	300.93	-43.57	107.21	32.08	3.39	PASS
3513.00†	3494.44	-147.80	208.74	3506.38	3476.13	-130.19	318.49	-43.76	112.65	33.31	3.43	PASS
3613.00†	3593.30	-156.51	221.04	3606.23	3574.14	-137.70	336.05	-43.93	118.10	34.54	3.47	PASS
3713.00†	3692.15	-165.22	233.35	3706.08	3672.15	-145.20	353.60	-44.09	123.54	35.78	3.50	PASS
3813.00†	3791.01	-173.93	245.65	3805.93	3770.15	-152.71	371.16	-44.24	128.99	37.02	3.53	PASS
3913.00†	3889.87	-182.65	257.95	3905.78	3868.16	-160.22	388.72	-44.37	134.44	38.27	3.56	PASS
4013.00†	3988.73	-191.36	270.26	4005.63	3966.17	-167.72	406.27	-44.49	139.88	39.52	3.59	PASS
4113.00†	4087.58	-200.07	282.56	4105.48	4064.18	-175.23	423.83	-44.61	145.33	40.78	3.61	PASS
4213.00†	4186.44	-208.78	294.86	4205.34	4162.19	-182.74	441.39	-44.71	150.78	42.03	3.63	PASS
4313.00†	4285.30	-217.49	307.17	4305.19	4260.20	-190.25	458.94	-44.81	156.23	43.29	3.65	PASS
4413.00†	4384.15	-226.20	319.47	4405.04	4358.20	-197.75	476.50	-44.90	161.68	44.56	3.67	PASS
4513.00†	4483.01	-234.91	331.77	4504.89	4456.21	-205.26	494.06	-44.99	167.13	45.82	3.69	PASS
4613.00†	4581.87	-243.63	344.07	4604.74	4554.22	-212.77	511.61	-45.07	172.59	47.09	3.71	PASS
4713.00†	4680.73	-252.34	356.38	4704.59	4652.23	-220.27	529.17	-45.14	178.04	48.36	3.72	PASS
4813.00†	4779.58	-261.05	368.68	4804.44	4750.24	-227.78	546.73	-45.21	183.49	49.63	3.74	PASS
4913.00†	4878.44	-269.76	380.98	4904.29	4848.25	-235.29	564.28	-45.28	188.94	50.90	3.75	PASS
5013.00†	4977.30	-278.47	393.29	5004.14	4946.25	-242.80	581.84	-45.34	194.39	52.17	3.76	PASS
5113.00†	5076.16	-287.18	405.59	5103.99	5044.26	-250.30	599.40	-45.40	199.85	53.45	3.78	PASS
5213.00†	5175.01	-295.89	417.89	5203.85	5142.27	-257.81	616.95	-45.46	205.30	54.73	3.79	PASS
5313.00†	5273.87	-304.60	430.20	5303.70	5240.28	-265.32	634.51	-45.51	210.75	56.00	3.80	PASS
5413.00†	5372.73	-313.32	442.50	5403.55	5338.29	-272.82	652.07	-45.57	216.20	57.28	3.81	PASS
5513.00†	5471.58	-322.03	454.80	5503.40	5436.30	-280.33	669.62	-45.61	221.66	58.56	3.82	PASS
5613.00†	5570.44	-330.74	467.10	5603.25	5534.30	-287.84	687.18	-45.66	227.11	59.84	3.83	PASS
5713.00†	5669.30	-339.45	479.41	5703.10	5632.31	-295.35	704.74	-45.70	232.56	61.12	3.84	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 35 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	5768.16	-348.16	491.71	5802.95	5730.32	-302.85	722.29	-45.75	238.02	62.41	3.85	PASS
5913.00†	5867.01	-356.87	504.01	5902.80	5828.33	-310.36	739.85	-45.79	243.47	63.69	3.85	PASS
6013.00†	5965.87	-365.58	516.32	6002.65	5926.34	-317.87	757.41	-45.82	248.93	64.97	3.86	PASS
6113.00†	6064.73	-374.30	528.62	6102.51	6024.35	-325.37	774.96	-45.86	254.38	66.26	3.87	PASS
6213.00†	6163.58	-383.01	540.92	6202.36	6122.35	-332.88	792.52	-45.90	259.83	67.54	3.88	PASS
6313.00†	6262.44	-391.72	553.23	6302.21	6220.36	-340.39	810.08	-45.93	265.29	68.83	3.88	PASS
6413.00†	6361.30	-400.43	565.53	6402.06	6318.37	-347.90	827.63	-45.96	270.74	70.12	3.89	PASS
6513.00†	6460.16	-409.14	577.83	6501.91	6416.38	-355.40	845.19	-45.99	276.20	71.40	3.90	PASS
6613.00†	6559.01	-417.85	590.14	6601.76	6514.39	-362.91	862.75	-46.02	281.65	72.69	3.90	PASS
6713.00†	6657.87	-426.56	602.44	6701.61	6612.40	-370.42	880.30	-46.05	287.11	73.98	3.91	PASS
6813.00†	6756.73	-435.27	614.74	6792.48	6701.74	-371.36	896.32	-47.20	293.94	75.22	3.94	PASS
6913.00†	6855.59	-443.99	627.04	6878.35	6785.32	-359.12	911.35	-50.65	304.90	77.01	3.99	PASS
7013.00†	6954.44	-452.70	639.35	6956.86	6859.37	-336.94	924.68	-55.48	322.26	81.10	4.00	PASS
7103.69	7044.09	-460.60	650.50	7020.30	6916.59	-311.64	935.01	-60.22	345.53	79.07	4.40	PASS
7113.00†	7053.31	-461.33	651.65	7026.41	6921.95	-308.86	935.98	-55.64	348.34	79.08	4.44	PASS
7213.00†	7152.40	-459.71	664.01	7090.96	6976.63	-276.09	945.87	6.44	379.54	78.39	4.88	PASS
7313.00†	7249.70	-440.76	676.19	7153.91	7026.13	-238.31	954.85	26.49	410.63	76.50	5.41	PASS
7413.00†	7342.25	-405.08	687.82	7215.66	7070.45	-196.11	962.91	30.48	439.57	73.99	5.99	PASS
7513.00†	7427.25	-353.74	698.55	7276.54	7109.50	-150.00	970.03	30.97	464.94	71.24	6.58	PASS
7613.00†	7502.10	-288.31	708.05	7336.77	7143.20	-100.48	976.20	30.64	485.79	68.52	7.15	PASS
7713.00†	7564.53	-210.76	716.03	7396.56	7171.40	-48.05	981.40	30.24	501.45	66.10	7.66	PASS
7813.00†	7612.65	-123.47	722.25	7456.07	7193.97	6.82	985.59	30.04	511.48	64.30	8.03	PASS
7913.00†	7645.00	-29.07	726.53	7515.43	7210.79	63.64	988.76	30.15	515.65	63.40	8.21	PASS
8013.00†	7660.58	69.55	728.72	7574.80	7221.74	121.92	990.87	30.63	513.86	63.64	8.15	PASS
8053.48	7662.00	110.00	729.00	7598.87	7224.47	145.82	991.42	30.95	511.45	63.97	8.07	PASS
8113.00†	7662.00	169.52	729.15	7634.43	7226.70	181.30	991.92	31.11	508.60	64.44	7.97	PASS
8213.00†	7662.00	269.52	729.41	7721.95	7227.00	268.83	992.20	31.14	508.22	65.66	7.81	PASS
8313.00†	7662.00	369.52	729.66	7821.95	7227.00	368.83	992.46	31.14	508.22	67.11	7.64	PASS
8413.00†	7662.00	469.52	729.92	7921.95	7227.00	468.83	992.72	31.14	508.23	68.75	7.46	PASS
8513.00†	7662.00	569.52	730.17	8021.95	7227.00	568.83	992.99	31.14	508.23	70.57	7.26	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 36 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	7662.00	669.52	730.43	8121.95	7227.00	668.83	993.25	31.14	508.23	72.48	7.07	PASS
8713.00†	7662.00	769.51	730.68	8221.95	7227.00	768.83	993.51	31.14	508.24	74.68	6.86	PASS
8813.00†	7662.00	869.51	730.94	8321.95	7227.00	868.83	993.77	31.14	508.24	76.95	6.66	PASS
8913.00†	7662.00	969.51	731.19	8421.95	7227.00	968.83	994.03	31.14	508.24	79.34	6.45	PASS
9013.00†	7662.00	1069.51	731.45	8521.95	7227.00	1068.83	994.30	31.14	508.25	81.84	6.26	PASS
9113.00†	7662.00	1169.51	731.70	8621.95	7227.00	1168.82	994.56	31.14	508.25	84.45	6.06	PASS
9213.00†	7662.00	1269.51	731.96	8721.95	7227.00	1268.82	994.82	31.14	508.25	87.15	5.87	PASS
9313.00†	7662.00	1369.51	732.21	8821.95	7227.00	1368.82	995.08	31.14	508.26	89.94	5.69	PASS
9413.00†	7662.00	1469.51	732.47	8921.95	7227.00	1468.82	995.34	31.15	508.26	92.80	5.51	PASS
9513.00†	7662.00	1569.51	732.72	9021.95	7227.00	1568.82	995.61	31.15	508.26	95.74	5.34	PASS
9613.00†	7662.00	1669.51	732.98	9121.95	7227.00	1668.82	995.87	31.15	508.27	98.74	5.18	PASS
9713.00†	7662.00	1769.51	733.23	9221.95	7227.00	1768.82	996.13	31.15	508.27	101.80	5.02	PASS
9813.00†	7662.00	1869.51	733.49	9321.95	7227.00	1868.82	996.39	31.15	508.27	104.91	4.87	PASS
9913.00†	7662.00	1969.51	733.74	9421.95	7227.00	1968.82	996.65	31.15	508.28	108.07	4.73	PASS
10013.00†	7662.00	2069.51	734.00	9521.95	7227.00	2068.82	996.92	31.15	508.28	111.27	4.59	PASS
10113.00†	7662.00	2169.51	734.26	9621.95	7227.00	2168.82	997.18	31.15	508.29	114.52	4.46	PASS
10213.00†	7662.00	2269.51	734.51	9721.95	7227.00	2268.82	997.44	31.15	508.29	117.80	4.33	PASS
10313.00†	7662.00	2369.51	734.77	9821.95	7227.00	2368.82	997.70	31.15	508.29	121.12	4.22	PASS
10413.00†	7662.00	2469.51	735.02	9921.95	7227.00	2468.82	997.96	31.15	508.30	124.47	4.10	PASS
10513.00†	7662.00	2569.51	735.28	10021.95	7227.00	2568.82	998.23	31.15	508.30	127.85	3.99	PASS
10613.00†	7662.00	2669.51	735.53	10121.95	7227.00	2668.82	998.49	31.15	508.30	131.26	3.89	PASS
10713.00†	7662.00	2769.51	735.79	10221.95	7227.00	2768.82	998.75	31.15	508.31	134.69	3.79	PASS
10813.00†	7662.00	2869.51	736.04	10321.95	7227.00	2868.82	999.01	31.15	508.31	138.14	3.69	PASS
10913.00†	7662.00	2969.51	736.30	10421.95	7227.00	2968.82	999.27	31.16	508.31	141.62	3.60	PASS
11013.00†	7662.00	3069.51	736.55	10521.95	7227.00	3068.82	999.54	31.16	508.32	145.11	3.52	PASS
11113.00†	7662.00	3169.51	736.81	10621.95	7227.00	3168.82	999.80	31.16	508.32	148.62	3.43	PASS
11213.00†	7662.00	3269.51	737.06	10721.95	7227.00	3268.82	1000.06	31.16	508.32	152.15	3.35	PASS
11313.00†	7662.00	3369.51	737.32	10821.95	7227.00	3368.82	1000.32	31.16	508.33	155.70	3.28	PASS
11413.00†	7662.00	3469.51	737.57	10921.95	7227.00	3468.82	1000.58	31.16	508.33	159.26	3.20	PASS
11513.00†	7662.00	3569.51	737.83	11021.95	7227.00	3568.82	1000.85	31.16	508.33	162.84	3.13	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 37 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	7662.00	3669.51	738.08	11121.95	7227.00	3668.82	1001.11	31.16	508.34	166.43	3.06	PASS
11713.00†	7662.00	3769.51	738.34	11221.95	7227.00	3768.82	1001.37	31.16	508.34	170.03	3.00	PASS
11813.00†	7662.00	3869.50	738.59	11321.95	7227.00	3868.82	1001.63	31.16	508.35	173.64	2.94	PASS
11913.00†	7662.00	3969.50	738.85	11421.95	7227.00	3968.82	1001.89	31.16	508.35	177.26	2.88	PASS
12013.00†	7662.00	4069.50	739.10	11521.95	7227.00	4068.81	1002.16	31.16	508.35	180.89	2.82	PASS
12113.00†	7662.00	4169.50	739.36	11621.95	7227.00	4168.81	1002.42	31.16	508.36	184.54	2.76	PASS
12213.00†	7662.00	4269.50	739.61	11721.95	7227.00	4268.81	1002.68	31.16	508.36	188.19	2.71	PASS
12313.00†	7662.00	4369.50	739.87	11821.95	7227.00	4368.81	1002.94	31.16	508.36	191.85	2.66	PASS
12413.00†	7662.00	4469.50	740.12	11921.95	7227.00	4468.81	1003.20	31.17	508.37	195.52	2.61	PASS
12513.00†	7662.00	4569.50	740.38	12021.95	7227.00	4568.81	1003.47	31.17	508.37	199.19	2.56	PASS
12613.00†	7662.00	4669.50	740.63	12121.95	7227.00	4668.81	1003.73	31.17	508.37	202.87	2.51	PASS
12713.00†	7662.00	4769.50	740.89	12221.95	7227.00	4768.81	1003.99	31.17	508.38	206.56	2.47	PASS
12813.00†	7662.00	4869.50	741.14	12321.95	7227.00	4868.81	1004.25	31.17	508.38	210.26	2.42	PASS
12913.00†	7662.00	4969.50	741.40	12421.95	7227.00	4968.81	1004.52	31.17	508.38	213.96	2.38	PASS
13013.00†	7662.00	5069.50	741.66	12521.95	7227.00	5068.81	1004.78	31.17	508.39	217.67	2.34	PASS
13113.00†	7662.00	5169.50	741.91	12621.95	7227.00	5168.81	1005.04	31.17	508.39	221.38	2.30	PASS
13213.00†	7662.00	5269.50	742.17	12721.95	7227.00	5268.81	1005.30	31.17	508.40	225.10	2.26	PASS
13313.00†	7662.00	5369.50	742.42	12821.95	7227.00	5368.81	1005.56	31.17	508.40	228.82	2.23	PASS
13413.00†	7662.00	5469.50	742.68	12921.95	7227.00	5468.81	1005.83	31.17	508.40	232.55	2.19	PASS
13513.00†	7662.00	5569.50	742.93	13021.95	7227.00	5568.81	1006.09	31.17	508.41	236.29	2.16	PASS
13613.00†	7662.00	5669.50	743.19	13121.95	7227.00	5668.81	1006.35	31.17	508.41	240.02	2.12	PASS
13713.00†	7662.00	5769.50	743.44	13221.95	7227.00	5768.81	1006.61	31.17	508.41	243.76	2.09	PASS
13813.00†	7662.00	5869.50	743.70	13321.95	7227.00	5868.81	1006.87	31.17	508.42	247.51	2.06	PASS
13913.00†	7662.00	5969.50	743.95	13421.95	7227.00	5968.81	1007.14	31.18	508.42	251.26	2.03	PASS
14013.00†	7662.00	6069.50	744.21	13521.95	7227.00	6068.81	1007.40	31.18	508.42	255.01	2.00	PASS
14113.00†	7662.00	6169.50	744.46	13621.95	7227.00	6168.81	1007.66	31.18	508.43	258.77	1.97	PASS
14213.00†	7662.00	6269.50	744.72	13721.95	7227.00	6268.81	1007.92	31.18	508.43	262.53	1.94	PASS
14313.00†	7662.00	6369.50	744.97	13821.95	7227.00	6368.81	1008.18	31.18	508.43	266.29	1.91	PASS
14413.00†	7662.00	6469.50	745.23	13921.95	7227.00	6468.81	1008.45	31.18	508.44	270.05	1.89	PASS
14513.00†	7662.00	6569.50	745.48	14021.95	7227.00	6568.81	1008.71	31.18	508.44	273.82	1.86	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 38 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	7662.00	6669.50	745.74	14121.95	7227.00	6668.81	1008.97	31.18	508.44	277.59	1.83	PASS
14713.00†	7662.00	6769.50	745.99	14221.95	7227.00	6768.81	1009.23	31.18	508.45	281.37	1.81	PASS
14813.00†	7662.00	6869.50	746.25	14321.95	7227.00	6868.81	1009.49	31.18	508.45	285.14	1.79	PASS
14913.00†	7662.00	6969.49	746.50	14421.95	7227.00	6968.80	1009.76	31.18	508.46	288.92	1.76	PASS
15013.00†	7662.00	7069.49	746.76	14521.95	7227.00	7068.80	1010.02	31.18	508.46	292.70	1.74	PASS
15113.00†	7662.00	7169.49	747.01	14621.95	7227.00	7168.80	1010.28	31.18	508.46	296.49	1.72	PASS
15213.00†	7662.00	7269.49	747.27	14721.95	7227.00	7268.80	1010.54	31.18	508.47	300.27	1.69	PASS
15313.00†	7662.00	7369.49	747.52	14821.95	7227.00	7368.80	1010.80	31.18	508.47	304.06	1.67	PASS
15413.00†	7662.00	7469.49	747.78	14921.95	7227.00	7468.80	1011.07	31.19	508.47	307.85	1.65	PASS
15513.00†	7662.00	7569.49	748.03	15021.95	7227.00	7568.80	1011.33	31.19	508.48	311.64	1.63	PASS
15613.00†	7662.00	7669.49	748.29	15121.95	7227.00	7668.80	1011.59	31.19	508.48	315.44	1.61	PASS
15713.00†	7662.00	7769.49	748.54	15221.95	7227.00	7768.80	1011.85	31.19	508.48	319.23	1.59	PASS
15813.00†	7662.00	7869.49	748.80	15321.95	7227.00	7868.80	1012.11	31.19	508.49	323.03	1.58	PASS
15913.00†	7662.00	7969.49	749.06	15421.95	7227.00	7968.80	1012.38	31.19	508.49	326.83	1.56	PASS
16013.00†	7662.00	8069.49	749.31	15521.95	7227.00	8068.80	1012.64	31.19	508.49	330.63	1.54	PASS
16113.00†	7662.00	8169.49	749.57	15621.95	7227.00	8168.80	1012.90	31.19	508.50	334.43	1.52	PASS
16213.00†	7662.00	8269.49	749.82	15721.95	7227.00	8268.80	1013.16	31.19	508.50	338.24	1.50	PASS
16313.00†	7662.00	8369.49	750.08	15821.95	7227.00	8368.80	1013.42	31.19	508.51	342.04	1.49	PASS
16413.00†	7662.00	8469.49	750.33	15921.95	7227.00	8468.80	1013.69	31.19	508.51	345.85	1.47	PASS
16513.00†	7662.00	8569.49	750.59	16021.95	7227.00	8568.80	1013.95	31.19	508.51	349.66	1.46	PASS
16613.00†	7662.00	8669.49	750.84	16121.95	7227.00	8668.80	1014.21	31.19	508.52	353.47	1.44	PASS
16713.00†	7662.00	8769.49	751.10	16221.95	7227.00	8768.80	1014.47	31.19	508.52	357.28	1.42	PASS
16813.00†	7662.00	8869.49	751.35	16321.95	7227.00	8868.80	1014.73	31.19	508.52	361.09	1.41	PASS
16913.00†	7662.00	8969.49	751.61	16421.95	7227.00	8968.80	1015.00	31.20	508.53	364.91	1.39	PASS
17013.00†	7662.00	9069.49	751.86	16521.95	7227.00	9068.80	1015.26	31.20	508.53	368.72	1.38	PASS
17113.00†	7662.00	9169.49	752.12	16621.95	7227.00	9168.80	1015.52	31.20	508.53	372.54	1.37	PASS
17213.00†	7662.00	9269.49	752.37	16721.95	7227.00	9268.80	1015.78	31.20	508.54	376.36	1.35	PASS
17313.00†	7662.00	9369.49	752.63	16821.95	7227.00	9368.80	1016.04	31.20	508.54	380.18	1.34	PASS
17413.00†	7662.00	9469.49	752.88	16921.95	7227.00	9468.80	1016.31	31.20	508.54	384.00	1.32	PASS
17513.00†	7662.00	9569.49	753.14	17021.95	7227.00	9568.80	1016.57	31.20	508.55	387.82	1.31	PASS

C-C Clearance Distance Cutoff: 1000.00 ft





# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 39 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	7662.00	9669.49	753.39	17121.95	7227.00	9668.80	1016.83	31.20	508.55	391.64	1.30	PASS
17713.00†	7662.00	9769.49	753.65	17221.95	7227.00	9768.80	1017.09	31.20	508.55	395.46	1.29	PASS
17813.00†	7662.00	9869.49	753.90	17321.95	7227.00	9868.79	1017.35	31.20	508.56	399.29	1.27	PASS
17833.19	7662.00	9889.67	753.96	17342.14	7227.00	9888.98	1017.41	31.20	508.56	400.06	1.27	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	8.55	0.00	8.55
8.5in Open Hole	700.00	17346.49	16646.49	700.00	N/A	0.00	8.55	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 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 40 of 104



REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 41 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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	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	1.73	47.48	PASS
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	44.86	90.00	44.86	2.30	29.32	PASS
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	44.86	90.00	44.86	2.91	20.90	PASS
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	44.86	90.00	44.86	3.53	16.17	PASS
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	44.86	90.00	44.86	4.15	13.17	PASS
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	44.86	90.00	44.86	4.77	11.10	PASS
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	44.86	90.00	44.86	5.00	10.29	PASS
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	44.86	90.00	44.86	5.16	9.92	PASS
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	44.86	90.00	44.86	5.55	9.13	PASS
1013.00†	1013.00	0.00	0.00	1013.00	1013.00	0.00	44.86	90.00	44.86	6.11	8.17	PASS
1113.00†	1113.00	0.00	0.00	1113.00	1113.00	0.00	44.86	90.00	44.86	6.81	7.24	PASS
1213.00†	1213.00	0.00	0.00	1213.00	1213.00	0.00	44.86	90.00	44.86	7.59	6.42	PASS
1313.00†	1313.00	0.00	0.00	1312.81	1312.81	-0.01	44.89	90.01	44.89	8.44	5.72	PASS
1413.00†	1413.00	0.00	0.00	1411.31	1411.28	-0.74	46.89	90.91	46.93	9.40	5.32	PASS
1513.00†	1513.00	0.00	0.00	1509.54	1509.35	-2.63	52.06	92.89	52.25	10.58	5.22	PASS
1600.00	1600.00	0.00	0.00	1594.61	1594.09	-5.19	59.08	95.02	59.60	11.57	5.42	PASS
1613.00†	1613.00	-0.02	0.02	1607.28	1606.69	-5.65	60.33	-29.95	60.89	11.73	5.46	PASS
1713.00†	1712.97	-1.29	1.82	1704.57	1703.23	-9.78	71.65	-28.24	71.02	12.91	5.76	PASS
1813.00†	1812.80	-4.57	6.46	1801.51	1798.96	-15.02	85.99	-27.55	81.40	14.20	5.98	PASS
1913.00†	1912.38	-9.87	13.94	1898.10	1893.76	-21.34	103.30	-27.53	91.99	15.42	6.21	PASS
2013.00†	2011.57	-17.17	24.25	1994.32	1987.54	-28.72	123.51	-27.98	102.78	16.60	6.42	PASS
2033.52	2031.86	-18.92	26.72	2014.02	2006.65	-30.36	128.01	-28.12	105.01	16.83	6.47	PASS
2113.00†	2110.44	-25.84	36.50	2092.12	2082.21	-37.15	146.60	-28.66	114.22	17.58	6.73	PASS
2213.00†	2209.30	-34.55	48.80	2191.43	2178.24	-45.81	170.33	-29.21	125.94	18.55	7.02	PASS
2313.00†	2308.15	-43.27	61.10	2290.73	2274.28	-54.48	194.07	-29.67	137.67	19.59	7.25	PASS
2413.00†	2407.01	-51.98	73.41	2390.04	2370.31	-63.14	217.81	-30.06	149.41	20.60	7.47	PASS
2513.00†	2505.87	-60.69	85.71	2489.34	2466.35	-71.81	241.54	-30.40	161.15	21.66	7.66	PASS
2613.00†	2604.73	-69.40	98.01	2588.65	2562.39	-80.48	265.28	-30.68	172.89	22.74	7.81	PASS
2713.00†	2703.58	-78.11	110.32	2687.95	2658.42	-89.14	289.01	-30.93	184.64	23.84	7.95	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 42 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	2802.44	-86.82	122.62	2787.25	2754.46	-97.81	312.75	-31.16	196.40	24.96	8.07	PASS
2913.00†	2901.30	-95.53	134.92	2886.56	2850.49	-106.48	336.48	-31.35	208.15	26.08	8.18	PASS
3013.00†	3000.15	-104.24	147.23	2985.86	2946.53	-115.14	360.22	-31.53	219.91	27.22	8.27	PASS
3113.00†	3099.01	-112.96	159.53	3085.17	3042.57	-123.81	383.95	-31.68	231.67	28.37	8.35	PASS
3213.00†	3197.87	-121.67	171.83	3184.47	3138.60	-132.47	407.69	-31.83	243.43	29.53	8.42	PASS
3313.00†	3296.73	-130.38	184.13	3283.78	3234.64	-141.14	431.42	-31.95	255.19	30.69	8.49	PASS
3413.00†	3395.58	-139.09	196.44	3383.08	3330.67	-149.81	455.16	-32.07	266.95	31.86	8.55	PASS
3513.00†	3494.44	-147.80	208.74	3482.38	3426.71	-158.47	478.89	-32.18	278.72	33.04	8.60	PASS
3613.00†	3593.30	-156.51	221.04	3581.69	3522.74	-167.14	502.63	-32.28	290.48	34.23	8.65	PASS
3713.00†	3692.15	-165.22	233.35	3680.99	3618.78	-175.80	526.36	-32.37	302.25	35.42	8.69	PASS
3813.00†	3791.01	-173.93	245.65	3780.30	3714.82	-184.47	550.10	-32.45	314.02	36.61	8.73	PASS
3913.00†	3889.87	-182.65	257.95	3879.60	3810.85	-193.14	573.84	-32.53	325.78	37.81	8.76	PASS
4013.00†	3988.73	-191.36	270.26	3978.91	3906.89	-201.80	597.57	-32.60	337.55	39.01	8.79	PASS
4113.00†	4087.58	-200.07	282.56	4078.21	4002.92	-210.47	621.31	-32.67	349.32	40.21	8.82	PASS
4213.00†	4186.44	-208.78	294.86	4177.51	4098.96	-219.14	645.04	-32.74	361.09	41.42	8.85	PASS
4313.00†	4285.30	-217.49	307.17	4276.82	4194.99	-227.80	668.78	-32.80	372.86	42.63	8.88	PASS
4413.00†	4384.15	-226.20	319.47	4376.12	4291.03	-236.47	692.51	-32.85	384.63	43.84	8.90	PASS
4513.00†	4483.01	-234.91	331.77	4475.43	4387.07	-245.13	716.25	-32.90	396.40	45.06	8.92	PASS
4613.00†	4581.87	-243.63	344.07	4574.73	4483.10	-253.80	739.98	-32.95	408.17	46.28	8.94	PASS
4713.00†	4680.73	-252.34	356.38	4674.04	4579.14	-262.47	763.72	-33.00	419.94	47.50	8.96	PASS
4813.00†	4779.58	-261.05	368.68	4773.34	4675.17	-271.13	787.45	-33.04	431.71	48.72	8.98	PASS
4913.00†	4878.44	-269.76	380.98	4872.64	4771.21	-279.80	811.19	-33.09	443.48	49.94	8.99	PASS
5013.00†	4977.30	-278.47	393.29	4971.95	4867.24	-288.46	834.92	-33.13	455.25	51.17	9.01	PASS
5113.00†	5076.16	-287.18	405.59	5071.25	4963.28	-297.13	858.66	-33.16	467.03	52.39	9.02	PASS
5213.00†	5175.01	-295.89	417.89	5170.56	5059.32	-305.80	882.40	-33.20	478.80	53.62	9.04	PASS
5313.00†	5273.87	-304.60	430.20	5269.86	5155.35	-314.46	906.13	-33.23	490.57	54.85	9.05	PASS
5413.00†	5372.73	-313.32	442.50	5369.17	5251.39	-323.13	929.87	-33.27	502.34	56.08	9.06	PASS
5513.00†	5471.58	-322.03	454.80	5468.47	5347.42	-331.80	953.60	-33.30	514.11	57.31	9.07	PASS
5613.00†	5570.44	-330.74	467.10	5567.77	5443.46	-340.46	977.34	-33.33	525.89	58.55	9.08	PASS
5713.00†	5669.30	-339.45	479.41	5667.08	5539.50	-349.13	1001.07	-33.35	537.66	59.78	9.09	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 43 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	5768.16	-348.16	491.71	5766.38	5635.53	-357.79	1024.81	-33.38	549.43	61.01	9.10	PASS
5913.00†	5867.01	-356.87	504.01	5865.69	5731.57	-366.46	1048.54	-33.41	561.20	62.25	9.11	PASS
6013.00†	5965.87	-365.58	516.32	5964.99	5827.60	-375.13	1072.28	-33.43	572.98	63.49	9.12	PASS
6113.00†	6064.73	-374.30	528.62	6064.30	5923.64	-383.79	1096.01	-33.46	584.75	64.72	9.12	PASS
6213.00†	6163.58	-383.01	540.92	6163.60	6019.67	-392.46	1119.75	-33.48	596.52	65.96	9.13	PASS
6313.00†	6262.44	-391.72	553.23	6262.90	6115.71	-401.13	1143.48	-33.50	608.30	67.20	9.14	PASS
6413.00†	6361.30	-400.43	565.53	6362.21	6211.75	-409.79	1167.22	-33.52	620.07	68.44	9.14	PASS
6513.00†	6460.16	-409.14	577.83	6461.51	6307.78	-418.46	1190.96	-33.54	631.84	69.68	9.15	PASS
6613.00†	6559.01	-417.85	590.14	6560.82	6403.82	-427.12	1214.69	-33.56	643.62	70.92	9.16	PASS
6713.00†	6657.87	-426.56	602.44	6660.12	6499.85	-435.79	1238.43	-33.58	655.39	72.16	9.16	PASS
6813.00†	6756.73	-435.27	614.74	6759.43	6595.89	-444.46	1262.16	-33.60	667.16	73.40	9.17	PASS
6913.00†	6855.59	-443.99	627.04	6858.73	6691.92	-453.12	1285.90	-33.62	678.94	74.64	9.17	PASS
7013.00†	6954.44	-452.70	639.35	6958.24	6788.17	-461.58	1309.69	-33.65	690.71	75.88	9.18	PASS
7103.69	7044.09	-460.60	650.50	7048.23	6875.42	-459.86	1331.27	-34.45	701.35	77.18	9.16	PASS
7113.00†	7053.31	-461.33	651.65	7057.26	6884.14	-458.90	1333.43	-29.38	702.46	77.33	9.16	PASS
7213.00†	7152.40	-459.71	664.01	7152.73	6974.92	-440.26	1355.94	37.29	714.59	78.67	9.16	PASS
7313.00†	7249.70	-440.76	676.19	7245.67	7059.20	-407.45	1376.88	60.68	726.89	79.62	9.20	PASS
7413.00†	7342.25	-405.08	687.82	7336.48	7135.52	-362.25	1395.88	66.93	738.86	79.79	9.33	PASS
7513.00†	7427.25	-353.74	698.55	7425.54	7202.73	-306.41	1412.65	68.85	750.06	79.51	9.51	PASS
7613.00†	7502.10	-288.31	708.05	7513.22	7259.89	-241.61	1426.96	69.30	760.06	79.04	9.69	PASS
7713.00†	7564.53	-210.76	716.03	7599.81	7306.29	-169.53	1438.63	69.21	768.47	78.60	9.86	PASS
7813.00†	7612.65	-123.47	722.25	7685.62	7341.35	-91.80	1447.51	68.96	774.99	78.41	9.96	PASS
7913.00†	7645.00	-29.07	726.53	7770.89	7364.65	-10.08	1453.49	68.73	779.38	78.65	9.99	PASS
8013.00†	7660.58	69.55	728.72	7855.87	7375.90	74.02	1456.50	68.62	781.49	79.40	9.92	PASS
8053.48	7662.00	110.00	729.00	7890.24	7377.00	108.37	1456.86	68.62	781.67	79.83	9.87	PASS
8113.00†	7662.00	169.52	729.15	7949.47	7377.00	167.60	1457.01	68.62	781.67	80.52	9.79	PASS
8213.00†	7662.00	269.52	729.41	8049.47	7377.00	267.60	1457.28	68.62	781.68	82.07	9.60	PASS
8313.00†	7662.00	369.52	729.66	8149.47	7377.00	367.60	1457.54	68.62	781.69	84.09	9.37	PASS
8413.00†	7662.00	469.52	729.92	8249.47	7377.00	467.60	1457.81	68.62	781.70	86.47	9.11	PASS
8513.00†	7662.00	569.52	730.17	8349.47	7377.00	567.60	1458.07	68.62	781.70	87.79	8.97	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 44 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	7662.00	669.52	730.43	8449.47	7377.00	667.60	1458.33	68.62	781.71	92.24	8.53	PASS
8713.00†	7662.00	769.51	730.68	8549.47	7377.00	767.60	1458.60	68.62	781.72	95.55	8.23	PASS
8813.00†	7662.00	869.51	730.94	8649.47	7377.00	867.59	1458.86	68.62	781.73	99.12	7.94	PASS
8913.00†	7662.00	969.51	731.19	8749.47	7377.00	967.59	1459.12	68.62	781.74	102.91	7.64	PASS
9013.00†	7662.00	1069.51	731.45	8849.47	7377.00	1067.59	1459.39	68.62	781.74	106.90	7.35	PASS
9113.00†	7662.00	1169.51	731.70	8949.47	7377.00	1167.59	1459.65	68.62	781.75	111.07	7.08	PASS
9213.00†	7662.00	1269.51	731.96	9049.47	7377.00	1267.59	1459.92	68.62	781.76	115.41	6.81	PASS
9313.00†	7662.00	1369.51	732.21	9149.47	7377.00	1367.59	1460.18	68.62	781.77	119.88	6.55	PASS
9413.00†	7662.00	1469.51	732.47	9249.47	7377.00	1467.59	1460.44	68.62	781.78	124.48	6.31	PASS
9513.00†	7662.00	1569.51	732.72	9349.47	7377.00	1567.59	1460.71	68.62	781.78	129.19	6.08	PASS
9613.00†	7662.00	1669.51	732.98	9449.47	7377.00	1667.59	1460.97	68.62	781.79	134.01	5.86	PASS
9713.00†	7662.00	1769.51	733.23	9549.47	7377.00	1767.59	1461.23	68.62	781.80	138.91	5.65	PASS
9813.00†	7662.00	1869.51	733.49	9649.47	7377.00	1867.59	1461.50	68.62	781.81	143.90	5.45	PASS
9913.00†	7662.00	1969.51	733.74	9749.47	7377.00	1967.59	1461.76	68.62	781.82	148.96	5.27	PASS
10013.00†	7662.00	2069.51	734.00	9849.47	7377.00	2067.59	1462.03	68.62	781.82	154.08	5.09	PASS
10113.00†	7662.00	2169.51	734.26	9949.47	7377.00	2167.59	1462.29	68.62	781.83	159.27	4.93	PASS
10213.00†	7662.00	2269.51	734.51	10049.47	7377.00	2267.59	1462.55	68.62	781.84	164.51	4.77	PASS
10313.00†	7662.00	2369.51	734.77	10149.47	7377.00	2367.59	1462.82	68.62	781.85	169.79	4.62	PASS
10413.00†	7662.00	2469.51	735.02	10249.47	7377.00	2467.59	1463.08	68.62	781.86	175.12	4.48	PASS
10513.00†	7662.00	2569.51	735.28	10349.47	7377.00	2567.59	1463.34	68.62	781.86	180.49	4.34	PASS
10613.00†	7662.00	2669.51	735.53	10449.47	7377.00	2667.59	1463.61	68.62	781.87	185.90	4.22	PASS
10713.00†	7662.00	2769.51	735.79	10549.47	7377.00	2767.59	1463.87	68.62	781.88	191.34	4.10	PASS
10813.00†	7662.00	2869.51	736.04	10649.47	7377.00	2867.59	1464.14	68.62	781.89	196.82	3.98	PASS
10913.00†	7662.00	2969.51	736.30	10749.47	7377.00	2967.59	1464.40	68.62	781.90	202.32	3.87	PASS
11013.00†	7662.00	3069.51	736.55	10849.47	7377.00	3067.59	1464.66	68.62	781.90	207.85	3.77	PASS
11113.00†	7662.00	3169.51	736.81	10949.47	7377.00	3167.59	1464.93	68.62	781.91	213.40	3.67	PASS
11213.00†	7662.00	3269.51	737.06	11049.47	7377.00	3267.59	1465.19	68.62	781.92	218.97	3.58	PASS
11313.00†	7662.00	3369.51	737.32	11149.47	7377.00	3367.59	1465.45	68.62	781.93	224.56	3.49	PASS
11413.00†	7662.00	3469.51	737.57	11249.47	7377.00	3467.59	1465.72	68.62	781.94	230.18	3.40	PASS
11513.00†	7662.00	3569.51	737.83	11349.47	7377.00	3567.59	1465.98	68.63	781.94	235.81	3.32	PASS

C-C Clearance Distance Cutoff: 1000.00 ft





# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 45 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	7662.00	3669.51	738.08	11449.47	7377.00	3667.59	1466.24	68.63	781.95	241.46	3.25	PASS
11713.00†	7662.00	3769.51	738.34	11549.47	7377.00	3767.58	1466.51	68.63	781.96	247.12	3.17	PASS
11813.00†	7662.00	3869.50	738.59	11649.47	7377.00	3867.58	1466.77	68.63	781.97	252.80	3.10	PASS
11913.00†	7662.00	3969.50	738.85	11749.47	7377.00	3967.58	1467.04	68.63	781.98	258.49	3.03	PASS
12013.00†	7662.00	4069.50	739.10	11849.47	7377.00	4067.58	1467.30	68.63	781.98	264.19	2.97	PASS
12113.00†	7662.00	4169.50	739.36	11949.47	7377.00	4167.58	1467.56	68.63	781.99	269.90	2.90	PASS
12213.00†	7662.00	4269.50	739.61	12049.47	7377.00	4267.58	1467.83	68.63	782.00	275.63	2.84	PASS
12313.00†	7662.00	4369.50	739.87	12149.47	7377.00	4367.58	1468.09	68.63	782.01	281.37	2.78	PASS
12413.00†	7662.00	4469.50	740.12	12249.47	7377.00	4467.58	1468.35	68.63	782.02	287.11	2.73	PASS
12513.00†	7662.00	4569.50	740.38	12349.47	7377.00	4567.58	1468.62	68.63	782.02	292.87	2.67	PASS
12613.00†	7662.00	4669.50	740.63	12449.47	7377.00	4667.58	1468.88	68.63	782.03	298.63	2.62	PASS
12713.00†	7662.00	4769.50	740.89	12549.47	7377.00	4767.58	1469.15	68.63	782.04	304.40	2.57	PASS
12813.00†	7662.00	4869.50	741.14	12649.47	7377.00	4867.58	1469.41	68.63	782.05	310.18	2.52	PASS
12913.00†	7662.00	4969.50	741.40	12749.47	7377.00	4967.58	1469.67	68.63	782.06	315.97	2.48	PASS
13013.00†	7662.00	5069.50	741.66	12849.47	7377.00	5067.58	1469.94	68.63	782.06	321.76	2.43	PASS
13113.00†	7662.00	5169.50	741.91	12949.47	7377.00	5167.58	1470.20	68.63	782.07	327.56	2.39	PASS
13213.00†	7662.00	5269.50	742.17	13049.47	7377.00	5267.58	1470.46	68.63	782.08	333.37	2.35	PASS
13313.00†	7662.00	5369.50	742.42	13149.47	7377.00	5367.58	1470.73	68.63	782.09	339.18	2.31	PASS
13413.00†	7662.00	5469.50	742.68	13249.47	7377.00	5467.58	1470.99	68.63	782.10	345.00	2.27	PASS
13513.00†	7662.00	5569.50	742.93	13349.47	7377.00	5567.58	1471.26	68.63	782.10	350.82	2.23	PASS
13613.00†	7662.00	5669.50	743.19	13449.47	7377.00	5667.58	1471.52	68.63	782.11	356.65	2.20	PASS
13713.00†	7662.00	5769.50	743.44	13549.47	7377.00	5767.58	1471.78	68.63	782.12	362.48	2.16	PASS
13813.00†	7662.00	5869.50	743.70	13649.47	7377.00	5867.58	1472.05	68.63	782.13	368.32	2.13	PASS
13913.00†	7662.00	5969.50	743.95	13749.47	7377.00	5967.58	1472.31	68.63	782.14	374.16	2.09	PASS
14013.00†	7662.00	6069.50	744.21	13849.47	7377.00	6067.58	1472.57	68.63	782.14	380.00	2.06	PASS
14113.00†	7662.00	6169.50	744.46	13949.47	7377.00	6167.58	1472.84	68.63	782.15	385.85	2.03	PASS
14213.00†	7662.00	6269.50	744.72	14049.47	7377.00	6267.58	1473.10	68.63	782.16	391.71	2.00	PASS
14313.00†	7662.00	6369.50	744.97	14149.47	7377.00	6367.58	1473.37	68.63	782.17	397.56	1.97	PASS
14413.00†	7662.00	6469.50	745.23	14249.47	7377.00	6467.58	1473.63	68.63	782.18	403.42	1.94	PASS
14513.00†	7662.00	6569.50	745.48	14349.47	7377.00	6567.57	1473.89	68.63	782.18	409.29	1.91	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 46 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	7662.00	6669.50	745.74	14449.47	7377.00	6667.57	1474.16	68.63	782.19	415.15	1.89	PASS
14713.00†	7662.00	6769.50	745.99	14549.47	7377.00	6767.57	1474.42	68.63	782.20	421.02	1.86	PASS
14813.00†	7662.00	6869.50	746.25	14649.47	7377.00	6867.57	1474.68	68.63	782.21	426.90	1.83	PASS
14913.00†	7662.00	6969.49	746.50	14749.47	7377.00	6967.57	1474.95	68.63	782.22	432.77	1.81	PASS
15013.00†	7662.00	7069.49	746.76	14849.47	7377.00	7067.57	1475.21	68.63	782.22	438.65	1.78	PASS
15113.00†	7662.00	7169.49	747.01	14949.47	7377.00	7167.57	1475.48	68.63	782.23	444.54	1.76	PASS
15213.00†	7662.00	7269.49	747.27	15049.47	7377.00	7267.57	1475.74	68.63	782.24	450.41	1.74	PASS
15313.00†	7662.00	7369.49	747.52	15149.47	7377.00	7367.57	1476.00	68.63	782.25	456.30	1.72	PASS
15413.00†	7662.00	7469.49	747.78	15249.47	7377.00	7467.57	1476.27	68.63	782.25	462.19	1.69	PASS
15513.00†	7662.00	7569.49	748.03	15349.47	7377.00	7567.57	1476.53	68.63	782.26	468.08	1.67	PASS
15613.00†	7662.00	7669.49	748.29	15449.47	7377.00	7667.57	1476.79	68.63	782.27	473.97	1.65	PASS
15713.00†	7662.00	7769.49	748.54	15549.47	7377.00	7767.57	1477.06	68.63	782.28	479.86	1.63	PASS
15813.00†	7662.00	7869.49	748.80	15649.47	7377.00	7867.57	1477.32	68.63	782.29	485.76	1.61	PASS
15913.00†	7662.00	7969.49	749.06	15749.47	7377.00	7967.57	1477.59	68.64	782.29	491.66	1.59	PASS
16013.00†	7662.00	8069.49	749.31	15849.47	7377.00	8067.57	1477.85	68.64	782.30	497.56	1.57	PASS
16113.00†	7662.00	8169.49	749.57	15949.47	7377.00	8167.57	1478.11	68.64	782.31	503.46	1.55	PASS
16213.00†	7662.00	8269.49	749.82	16049.47	7377.00	8267.57	1478.38	68.64	782.32	509.36	1.54	PASS
16313.00†	7662.00	8369.49	750.08	16149.47	7377.00	8367.57	1478.64	68.64	782.33	515.27	1.52	PASS
16413.00†	7662.00	8469.49	750.33	16249.47	7377.00	8467.57	1478.90	68.64	782.33	521.17	1.50	PASS
16513.00†	7662.00	8569.49	750.59	16349.47	7377.00	8567.57	1479.17	68.64	782.34	527.08	1.48	PASS
16613.00†	7662.00	8669.49	750.84	16449.47	7377.00	8667.57	1479.43	68.64	782.35	532.99	1.47	PASS
16713.00†	7662.00	8769.49	751.10	16549.47	7377.00	8767.57	1479.70	68.64	782.36	538.90	1.45	PASS
16813.00†	7662.00	8869.49	751.35	16649.47	7377.00	8867.57	1479.96	68.64	782.37	544.81	1.44	PASS
16913.00†	7662.00	8969.49	751.61	16749.47	7377.00	8967.57	1480.22	68.64	782.37	550.73	1.42	PASS
17013.00†	7662.00	9069.49	751.86	16849.47	7377.00	9067.57	1480.49	68.64	782.38	556.64	1.41	PASS
17113.00†	7662.00	9169.49	752.12	16949.47	7377.00	9167.57	1480.75	68.64	782.39	562.56	1.39	PASS
17213.00†	7662.00	9269.49	752.37	17049.47	7377.00	9267.57	1481.01	68.64	782.40	568.47	1.38	PASS
17313.00†	7662.00	9369.49	752.63	17149.47	7377.00	9367.57	1481.28	68.64	782.41	574.39	1.36	PASS
17413.00†	7662.00	9469.49	752.88	17249.47	7377.00	9467.56	1481.54	68.64	782.41	580.31	1.35	PASS
17513.00†	7662.00	9569.49	753.14	17349.47	7377.00	9567.56	1481.81	68.64	782.42	586.23	1.34	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 47 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	7662.00	9669.49	753.39	17449.47	7377.00	9667.56	1482.07	68.64	782.43	592.16	1.32	PASS
17713.00†	7662.00	9769.49	753.65	17549.47	7377.00	9767.56	1482.33	68.64	782.44	598.08	1.31	PASS
17813.00†	7662.00	9869.49	753.90	17649.47	7377.00	9867.56	1482.60	68.64	782.45	604.00	1.30	PASS
17833.19	7662.00	9889.67	753.96	17669.66	7377.00	9887.75	1482.65	68.64	782.45	605.20	1.29	PASS

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	27.35	0.00	27.35
8.5in Open Hole	700.00	17682.54	16982.54	700.00	7377.00	0.00	27.35	3017.71	465.59

## 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 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 48 of 104



REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 49 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH PWB
Facility	SEC.19-T01S-R65W		

## CLEARANCE DATA - Offset Wellbore: TRACY #1 AWP 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	1270.71	12.06	6084.47	25.40	247.29	PASS
113.00†	113.00	0.00	0.00	60.00	113.00	5950.24	1270.71	12.06	6084.41	51.41	120.21	PASS
213.00†	213.00	0.00	0.00	160.00	213.00	5950.24	1270.71	12.06	6084.41	53.75	114.90	PASS
313.00†	313.00	0.00	0.00	260.00	313.00	5950.24	1270.71	12.06	6084.41	56.09	110.03	PASS
413.00†	413.00	0.00	0.00	360.00	413.00	5950.24	1270.71	12.06	6084.41	58.44	105.55	PASS
513.00†	513.00	0.00	0.00	460.00	513.00	5950.24	1270.71	12.06	6084.41	60.79	101.41	PASS
613.00†	613.00	0.00	0.00	560.00	613.00	5950.24	1270.71	12.06	6084.41	63.15	97.57	PASS
713.00†	713.00	0.00	0.00	660.00	713.00	5950.24	1270.71	12.06	6084.41	65.40	94.04	PASS
813.00†	813.00	0.00	0.00	760.00	813.00	5950.24	1270.71	12.06	6084.41	67.74	90.75	PASS
913.00†	913.00	0.00	0.00	860.00	913.00	5950.24	1270.71	12.06	6084.41	70.10	87.68	PASS
1013.00†	1013.00	0.00	0.00	960.00	1013.00	5950.24	1270.71	12.06	6084.41	72.46	84.79	PASS
1113.00†	1113.00	0.00	0.00	1060.00	1113.00	5950.24	1270.71	12.06	6084.41	74.83	82.08	PASS
1213.00†	1213.00	0.00	0.00	1160.00	1213.00	5950.24	1270.71	12.06	6084.41	77.22	79.52	PASS
1313.00†	1313.00	0.00	0.00	1260.00	1313.00	5950.24	1270.71	12.06	6084.41	79.61	77.10	PASS
1413.00†	1413.00	0.00	0.00	1360.00	1413.00	5950.24	1270.71	12.06	6084.41	82.02	74.82	PASS
1513.00†	1513.00	0.00	0.00	1460.00	1513.00	5950.24	1270.71	12.06	6084.41	84.44	72.66	PASS
1600.00	1600.00	0.00	0.00	1547.00	1600.00	5950.24	1270.71	12.06	6084.41	86.55	70.87	PASS
1613.00†	1613.00	-0.02	0.02	1560.00	1613.00	5950.24	1270.71	-113.25	6084.42	86.86	70.61	PASS
1713.00†	1712.97	-1.29	1.82	1659.97	1712.97	5950.24	1270.71	-113.25	6085.29	89.30	68.68	PASS
1813.00†	1812.80	-4.57	6.46	1759.80	1812.80	5950.24	1270.71	-113.26	6087.54	91.76	66.85	PASS
1913.00†	1912.38	-9.87	13.94	1859.38	1912.38	5950.24	1270.71	-113.27	6091.17	94.22	65.13	PASS
2013.00†	2011.57	-17.17	24.25	1958.57	2011.57	5950.24	1270.71	-113.29	6096.20	96.69	63.51	PASS
2033.52	2031.86	-18.92	26.72	1978.86	2031.86	5950.24	1270.71	-113.29	6097.41	97.20	63.19	PASS
2113.00†	2110.44	-25.84	36.50	2057.44	2110.44	5950.24	1270.71	-113.39	6102.20	99.16	61.97	PASS
2213.00†	2209.30	-34.55	48.80	2156.30	2209.30	5950.24	1270.71	-113.52	6108.26	101.65	60.51	PASS
2313.00†	2308.15	-43.27	61.10	2255.15	2308.15	5950.24	1270.71	-113.65	6114.35	104.15	59.10	PASS
2413.00†	2407.01	-51.98	73.41	2354.01	2407.01	5950.24	1270.71	-113.78	6120.47	106.68	57.75	PASS
2513.00†	2505.87	-60.69	85.71	2452.87	2505.87	5950.24	1270.71	-113.90	6126.62	109.21	56.46	PASS
2613.00†	2604.73	-69.40	98.01	2551.73	2604.73	5950.24	1270.71	-114.03	6132.80	111.76	55.22	PASS
2713.00†	2703.58	-78.11	110.32	2650.58	2703.58	5950.24	1270.71	-114.16	6139.02	114.33	54.02	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 50 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH PWB
Facility	SEC.19-T01S-R65W		

## CLEARANCE DATA - Offset Wellbore: TRACY #1 AWP 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†	2802.44	-86.82	122.62	2749.44	2802.44	5950.24	1270.71	-114.29	6145.26	116.91	52.88	PASS
2913.00†	2901.30	-95.53	134.92	2848.30	2901.30	5950.24	1270.71	-114.41	6151.54	119.51	51.78	PASS
3013.00†	3000.15	-104.24	147.23	2947.15	3000.15	5950.24	1270.71	-114.54	6157.84	122.11	50.72	PASS
3113.00†	3099.01	-112.96	159.53	3046.01	3099.01	5950.24	1270.71	-114.67	6164.18	124.73	49.69	PASS
3213.00†	3197.87	-121.67	171.83	3144.87	3197.87	5950.24	1270.71	-114.79	6170.54	127.37	48.71	PASS
3313.00†	3296.73	-130.38	184.13	3243.73	3296.73	5950.24	1270.71	-114.92	6176.94	130.01	47.76	PASS
3413.00†	3395.58	-139.09	196.44	3342.58	3395.58	5950.24	1270.71	-115.04	6183.36	132.67	46.85	PASS
3513.00†	3494.44	-147.80	208.74	3441.44	3494.44	5950.24	1270.71	-115.17	6189.82	135.34	45.97	PASS
3613.00†	3593.30	-156.51	221.04	3540.30	3593.30	5950.24	1270.71	-115.29	6196.31	138.02	45.12	PASS
3713.00†	3692.15	-165.22	233.35	3639.15	3692.15	5950.24	1270.71	-115.42	6202.82	140.71	44.30	PASS
3813.00†	3791.01	-173.93	245.65	3738.01	3791.01	5950.24	1270.71	-115.54	6209.37	143.41	43.51	PASS
3913.00†	3889.87	-182.65	257.95	3836.87	3889.87	5950.24	1270.71	-115.67	6215.95	146.12	42.74	PASS
4013.00†	3988.73	-191.36	270.26	3935.73	3988.73	5950.24	1270.71	-115.79	6222.55	148.83	42.00	PASS
4113.00†	4087.58	-200.07	282.56	4034.58	4087.58	5950.24	1270.71	-115.91	6229.18	151.56	41.29	PASS
4213.00†	4186.44	-208.78	294.86	4133.44	4186.44	5950.24	1270.71	-116.04	6235.85	154.29	40.60	PASS
4313.00†	4285.30	-217.49	307.17	4232.30	4285.30	5950.24	1270.71	-116.16	6242.54	157.04	39.93	PASS
4413.00†	4384.15	-226.20	319.47	4331.15	4384.15	5950.24	1270.71	-116.28	6249.26	159.79	39.28	PASS
4513.00†	4483.01	-234.91	331.77	4430.01	4483.01	5950.24	1270.71	-116.41	6256.02	162.54	38.65	PASS
4613.00†	4581.87	-243.63	344.07	4528.87	4581.87	5950.24	1270.71	-116.53	6262.80	165.31	38.04	PASS
4713.00†	4680.73	-252.34	356.38	4627.73	4680.73	5950.24	1270.71	-116.65	6269.61	168.08	37.46	PASS
4813.00†	4779.58	-261.05	368.68	4726.58	4779.58	5950.24	1270.71	-116.77	6276.44	170.86	36.88	PASS
4913.00†	4878.44	-269.76	380.98	4825.44	4878.44	5950.24	1270.71	-116.89	6283.31	173.64	36.33	PASS
5013.00†	4977.30	-278.47	393.29	4924.30	4977.30	5950.24	1270.71	-117.02	6290.21	176.43	35.79	PASS
5113.00†	5076.16	-287.18	405.59	5023.16	5076.16	5950.24	1270.71	-117.14	6297.13	179.22	35.27	PASS
5213.00†	5175.01	-295.89	417.89	5122.01	5175.01	5950.24	1270.71	-117.26	6304.08	182.02	34.76	PASS
5313.00†	5273.87	-304.60	430.20	5220.87	5273.87	5950.24	1270.71	-117.38	6311.07	184.83	34.27	PASS
5413.00†	5372.73	-313.32	442.50	5319.73	5372.73	5950.24	1270.71	-117.50	6318.07	187.64	33.80	PASS
5513.00†	5471.58	-322.03	454.80	5418.58	5471.58	5950.24	1270.71	-117.62	6325.11	190.45	33.33	PASS
5613.00†	5570.44	-330.74	467.10	5517.44	5570.44	5950.24	1270.71	-117.74	6332.18	193.27	32.88	PASS
5713.00†	5669.30	-339.45	479.41	5616.30	5669.30	5950.24	1270.71	-117.86	6339.27	196.10	32.44	PASS

C-C Clearance Distance Cutoff: 1000.00 ft





# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 51 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	5768.16	-348.16	491.71	5715.16	5768.16	5950.24	1270.71	-117.98	6346.39	198.92	32.01	PASS
5913.00†	5867.01	-356.87	504.01	5814.01	5867.01	5950.24	1270.71	-118.10	6353.54	201.75	31.60	PASS
6013.00†	5965.87	-365.58	516.32	5912.87	5965.87	5950.24	1270.71	-118.21	6360.72	204.59	31.19	PASS
6113.00†	6064.73	-374.30	528.62	6011.73	6064.73	5950.24	1270.71	-118.33	6367.92	207.43	30.80	PASS
6213.00†	6163.58	-383.01	540.92	6110.58	6163.58	5950.24	1270.71	-118.45	6375.16	210.27	30.42	PASS
6313.00†	6262.44	-391.72	553.23	6209.44	6262.44	5950.24	1270.71	-118.57	6382.41	213.11	30.05	PASS
6413.00†	6361.30	-400.43	565.53	6308.30	6361.30	5950.24	1270.71	-118.69	6389.70	215.96	29.68	PASS
6513.00†	6460.16	-409.14	577.83	6407.16	6460.16	5950.24	1270.71	-118.80	6397.02	218.81	29.33	PASS
6613.00†	6559.01	-417.85	590.14	6506.01	6559.01	5950.24	1270.71	-118.92	6404.36	221.66	28.98	PASS
6713.00†	6657.87	-426.56	602.44	6604.87	6657.87	5950.24	1270.71	-119.04	6411.72	224.52	28.64	PASS
6813.00†	6756.73	-435.27	614.74	6703.73	6756.73	5950.24	1270.71	-119.16	6419.12	227.38	28.32	PASS
6913.00†	6855.59	-443.99	627.04	6802.59	6855.59	5950.24	1270.71	-119.27	6426.54	230.24	28.00	PASS
7013.00†	6954.44	-452.70	639.35	6901.44	6954.44	5950.24	1270.71	-119.39	6433.99	233.10	27.68	PASS
7103.69	7044.09	-460.60	650.50	6991.09	7044.09	5950.24	1270.71	-119.49	6440.77	235.70	27.41	PASS
7113.00†	7053.31	-461.33	651.65	7000.31	7053.31	5950.24	1270.71	-114.18	6441.39	235.97	27.38	PASS
7213.00†	7152.40	-459.71	664.01	7099.40	7152.40	5950.24	1270.71	-45.00	6438.59	238.97	27.02	PASS
7313.00†	7249.70	-440.76	676.19	7196.70	7249.70	5950.24	1270.71	-19.05	6418.60	242.35	26.56	PASS
7413.00†	7342.25	-405.08	687.82	7289.25	7342.25	5950.24	1270.71	-10.25	6381.99	245.64	26.05	PASS
7513.00†	7427.25	-353.74	698.55	7374.25	7427.25	5950.24	1270.71	-5.77	6329.89	248.51	25.54	PASS
7613.00†	7502.10	-288.31	708.05	7449.10	7502.10	5950.24	1270.71	-2.63	6263.87	250.94	25.03	PASS
7713.00†	7564.53	-210.76	716.03	7511.53	7564.53	5950.24	1270.71	0.40	6185.92	252.85	24.53	PASS
7813.00†	7612.65	-123.47	722.25	7559.65	7612.65	5950.24	1270.71	4.58	6098.42	254.23	24.05	PASS
7913.00†	7645.00	-29.07	726.53	7592.00	7645.00	5950.24	1270.71	13.39	6004.03	255.06	23.60	PASS
8013.00†	7660.58	69.55	728.72	7607.58	7660.58	5950.24	1270.71	49.06	5905.61	255.38	23.19	PASS
8053.48	7662.00	110.00	729.00	7609.00	7662.00	5950.24	1270.71	90.00	5865.31	255.37	23.03	PASS
8113.00†	7662.00	169.52	729.15	7609.00	7662.00	5950.24	1270.71	90.00	5806.04	255.30	22.80	PASS
8213.00†	7662.00	269.52	729.41	7609.00	7662.00	5950.24	1270.71	90.00	5706.46	255.17	22.42	PASS
8313.00†	7662.00	369.52	729.66	7609.00	7662.00	5950.24	1270.71	90.00	5606.89	255.05	22.04	PASS
8413.00†	7662.00	469.52	729.92	7609.00	7662.00	5950.24	1270.71	90.00	5507.34	254.92	21.66	PASS
8513.00†	7662.00	569.52	730.17	7609.00	7662.00	5950.24	1270.71	90.00	5407.81	254.79	21.28	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 52 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	7662.00	669.52	730.43	7609.00	7662.00	5950.24	1270.71	90.00	5308.29	254.66	20.90	PASS
8713.00†	7662.00	769.51	730.68	7609.00	7662.00	5950.24	1270.71	90.00	5208.80	254.53	20.52	PASS
8813.00†	7662.00	869.51	730.94	7609.00	7662.00	5950.24	1270.71	90.00	5109.32	254.39	20.14	PASS
8913.00†	7662.00	969.51	731.19	7609.00	7662.00	5950.24	1270.71	90.00	5009.86	254.26	19.76	PASS
9013.00†	7662.00	1069.51	731.45	7609.00	7662.00	5950.24	1270.71	90.00	4910.43	254.12	19.37	PASS
9113.00†	7662.00	1169.51	731.70	7609.00	7662.00	5950.24	1270.71	90.00	4811.02	253.98	18.99	PASS
9213.00†	7662.00	1269.51	731.96	7609.00	7662.00	5950.24	1270.71	90.00	4711.63	253.83	18.61	PASS
9313.00†	7662.00	1369.51	732.21	7609.00	7662.00	5950.24	1270.71	90.00	4612.27	253.69	18.23	PASS
9413.00†	7662.00	1469.51	732.47	7609.00	7662.00	5950.24	1270.71	90.00	4512.94	253.54	17.85	PASS
9513.00†	7662.00	1569.51	732.72	7609.00	7662.00	5950.24	1270.71	90.00	4413.64	253.39	17.46	PASS
9613.00†	7662.00	1669.51	732.98	7609.00	7662.00	5950.24	1270.71	90.00	4314.37	253.24	17.08	PASS
9713.00†	7662.00	1769.51	733.23	7609.00	7662.00	5950.24	1270.71	90.00	4215.14	253.09	16.70	PASS
9813.00†	7662.00	1869.51	733.49	7609.00	7662.00	5950.24	1270.71	90.00	4115.94	252.94	16.32	PASS
9913.00†	7662.00	1969.51	733.74	7609.00	7662.00	5950.24	1270.71	90.00	4016.78	252.79	15.93	PASS
10013.00†	7662.00	2069.51	734.00	7609.00	7662.00	5950.24	1270.71	90.00	3917.67	252.64	15.55	PASS
10113.00†	7662.00	2169.51	734.26	7609.00	7662.00	5950.24	1270.71	90.00	3818.60	252.48	15.16	PASS
10213.00†	7662.00	2269.51	734.51	7609.00	7662.00	5950.24	1270.71	90.00	3719.58	252.33	14.78	PASS
10313.00†	7662.00	2369.51	734.77	7609.00	7662.00	5950.24	1270.71	90.00	3620.62	252.19	14.39	PASS
10413.00†	7662.00	2469.51	735.02	7609.00	7662.00	5950.24	1270.71	90.00	3521.71	252.04	14.01	PASS
10513.00†	7662.00	2569.51	735.28	7609.00	7662.00	5950.24	1270.71	90.00	3422.87	251.90	13.62	PASS
10613.00†	7662.00	2669.51	735.53	7609.00	7662.00	5950.24	1270.71	90.00	3324.10	251.77	13.24	PASS
10713.00†	7662.00	2769.51	735.79	7609.00	7662.00	5950.24	1270.71	90.00	3225.40	251.64	12.85	PASS
10813.00†	7662.00	2869.51	736.04	7609.00	7662.00	5950.24	1270.71	90.00	3126.78	251.53	12.46	PASS
10913.00†	7662.00	2969.51	736.30	7609.00	7662.00	5950.24	1270.71	90.00	3028.26	251.43	12.08	PASS
11013.00†	7662.00	3069.51	736.55	7609.00	7662.00	5950.24	1270.71	90.00	2929.84	251.35	11.69	PASS
11113.00†	7662.00	3169.51	736.81	7609.00	7662.00	5950.24	1270.71	90.00	2831.52	251.29	11.30	PASS
11213.00†	7662.00	3269.51	737.06	7609.00	7662.00	5950.24	1270.71	90.00	2733.33	251.27	10.91	PASS
11313.00†	7662.00	3369.51	737.32	7609.00	7662.00	5950.24	1270.71	90.00	2635.28	251.27	10.51	PASS
11413.00†	7662.00	3469.51	737.57	7609.00	7662.00	5950.24	1270.71	90.00	2537.38	251.33	10.12	PASS
11513.00†	7662.00	3569.51	737.83	7609.00	7662.00	5950.24	1270.71	90.00	2439.64	251.44	9.73	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 53 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	7662.00	3669.51	738.08	7609.00	7662.00	5950.24	1270.71	90.00	2342.10	251.62	9.33	PASS
11713.00†	7662.00	3769.51	738.34	7609.00	7662.00	5950.24	1270.71	90.00	2244.78	251.88	8.93	PASS
11813.00†	7662.00	3869.50	738.59	7609.00	7662.00	5950.24	1270.71	90.00	2147.70	252.26	8.54	PASS
11913.00†	7662.00	3969.50	738.85	7609.00	7662.00	5950.24	1270.71	90.00	2050.90	252.76	8.13	PASS
12013.00†	7662.00	4069.50	739.10	7609.00	7662.00	5950.24	1270.71	90.00	1954.42	253.43	7.73	PASS
12113.00†	7662.00	4169.50	739.36	7609.00	7662.00	5950.24	1270.71	90.00	1858.32	254.30	7.33	PASS
12213.00†	7662.00	4269.50	739.61	7609.00	7662.00	5950.24	1270.71	90.00	1762.65	255.42	6.92	PASS
12313.00†	7662.00	4369.50	739.87	7609.00	7662.00	5950.24	1270.71	90.00	1667.49	256.84	6.51	PASS
12413.00†	7662.00	4469.50	740.12	7609.00	7662.00	5950.24	1270.71	90.00	1572.93	258.64	6.10	PASS
12513.00†	7662.00	4569.50	740.38	7609.00	7662.00	5950.24	1270.71	90.00	1479.08	260.90	5.68	PASS
12613.00†	7662.00	4669.50	740.63	7609.00	7662.00	5950.24	1270.71	90.00	1386.10	263.73	5.27	PASS
12713.00†	7662.00	4769.50	740.89	7609.00	7662.00	5950.24	1270.71	90.00	1294.16	267.24	4.85	PASS
12813.00†	7662.00	4869.50	741.14	7609.00	7662.00	5950.24	1270.71	90.00	1203.51	271.59	4.44	PASS
12913.00†	7662.00	4969.50	741.40	7609.00	7662.00	5950.24	1270.71	90.00	1114.46	276.96	4.03	PASS
13013.00†	7662.00	5069.50	741.66	7609.00	7662.00	5950.24	1270.71	90.00	1027.42	283.56	3.63	PASS
13113.00†	7662.00	5169.50	741.91	7609.00	7662.00	5950.24	1270.71	90.00	942.96	291.63	3.24	PASS
13213.00†	7662.00	5269.50	742.17	7609.00	7662.00	5950.24	1270.71	90.00	861.84	301.42	2.86	PASS
13313.00†	7662.00	5369.50	742.42	7609.00	7662.00	5950.24	1270.71	90.00	785.08	313.20	2.51	PASS
13413.00†	7662.00	5469.50	742.68	7609.00	7662.00	5950.24	1270.71	90.00	714.09	327.09	2.19	PASS
13513.00†	7662.00	5569.50	742.93	7609.00	7662.00	5950.24	1270.71	90.00	650.78	342.97	1.90	PASS
13613.00†	7662.00	5669.50	743.19	7609.00	7662.00	5950.24	1270.71	90.00	597.57	360.18	1.66	PASS
13713.00†	7662.00	5769.50	743.44	7609.00	7662.00	5950.24	1270.71	90.00	557.38	377.19	1.48	PASS
13813.00†	7662.00	5869.50	743.70	7609.00	7662.00	5950.24	1270.71	90.00	533.16	391.59	1.36	PASS
13895.64†	7662.00	5952.13	743.91	7608.93	7661.93	5950.24	1270.71	89.99	526.80	399.67	1.32	PASS
13913.00†	7662.00	5969.50	743.95	7609.00	7662.00	5950.24	1270.71	90.00	527.11	400.82	1.32	PASS
13929.31†	7662.00	5985.81	743.99	7609.00	7662.00	5950.24	1270.71	90.00	527.91	401.72	1.31	PASS
14013.00†	7662.00	6069.50	744.21	7609.00	7662.00	5950.24	1270.71	90.00	539.84	403.51	1.34	PASS
14113.00†	7662.00	6169.50	744.46	7609.00	7662.00	5950.24	1270.71	90.00	570.10	400.21	1.43	PASS
14213.00†	7662.00	6269.50	744.72	7609.00	7662.00	5950.24	1270.71	90.00	615.30	392.85	1.57	PASS
14313.00†	7662.00	6369.50	744.97	7609.00	7662.00	5950.24	1270.71	90.00	672.44	383.50	1.75	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 54 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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
14413.00†	7662.00	6469.50	745.23	7609.00	7662.00	5950.24	1270.71	90.00	738.75	373.69	1.98	PASS
14513.00†	7662.00	6569.50	745.48	7609.00	7662.00	5950.24	1270.71	90.00	812.00	364.29	2.23	PASS
14613.00†	7662.00	6669.50	745.74	7609.00	7662.00	5950.24	1270.71	90.00	890.46	355.69	2.51	PASS
14713.00†	7662.00	6769.50	745.99	7609.00	7662.00	5950.24	1270.71	90.00	972.88	348.01	2.80	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 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 55 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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	117.73	0.83	8131.84	25.40	330.51	PASS
113.00†	113.00	0.00	0.00	33.00	113.00	8130.81	117.73	0.83	8131.66	50.78	162.69	PASS
213.00†	213.00	0.00	0.00	133.00	213.00	8130.81	117.73	0.83	8131.66	53.12	155.41	PASS
313.00†	313.00	0.00	0.00	233.00	313.00	8130.81	117.73	0.83	8131.66	55.47	148.73	PASS
413.00†	413.00	0.00	0.00	333.00	413.00	8130.81	117.73	0.83	8131.66	57.82	142.60	PASS
513.00†	513.00	0.00	0.00	433.00	513.00	8130.81	117.73	0.83	8131.66	60.17	136.95	PASS
613.00†	613.00	0.00	0.00	533.00	613.00	8130.81	117.73	0.83	8131.66	62.53	131.71	PASS
713.00†	713.00	0.00	0.00	633.00	713.00	8130.81	117.73	0.83	8131.66	64.79	126.89	PASS
813.00†	813.00	0.00	0.00	733.00	813.00	8130.81	117.73	0.83	8131.66	67.13	122.41	PASS
913.00†	913.00	0.00	0.00	833.00	913.00	8130.81	117.73	0.83	8131.66	69.49	118.22	PASS
1013.00†	1013.00	0.00	0.00	933.00	1013.00	8130.81	117.73	0.83	8131.66	71.85	114.29	PASS
1113.00†	1113.00	0.00	0.00	1033.00	1113.00	8130.81	117.73	0.83	8131.66	74.23	110.60	PASS
1213.00†	1213.00	0.00	0.00	1133.00	1213.00	8130.81	117.73	0.83	8131.66	76.61	107.12	PASS
1313.00†	1313.00	0.00	0.00	1233.00	1313.00	8130.81	117.73	0.83	8131.66	79.01	103.84	PASS
1413.00†	1413.00	0.00	0.00	1333.00	1413.00	8130.81	117.73	0.83	8131.66	81.42	100.74	PASS
1513.00†	1513.00	0.00	0.00	1433.00	1513.00	8130.81	117.73	0.83	8131.66	83.84	97.81	PASS
1600.00	1600.00	0.00	0.00	1520.00	1600.00	8130.81	117.73	0.83	8131.66	85.96	95.38	PASS
1613.00†	1613.00	-0.02	0.02	1533.00	1613.00	8130.81	117.73	-124.47	8131.68	86.27	95.03	PASS
1713.00†	1712.97	-1.29	1.82	1632.97	1712.97	8130.81	117.73	-124.46	8132.93	88.72	92.40	PASS
1813.00†	1812.80	-4.57	6.46	1732.80	1812.80	8130.81	117.73	-124.44	8136.15	91.18	89.92	PASS
1913.00†	1912.38	-9.87	13.94	1832.38	1912.38	8130.81	117.73	-124.41	8141.34	93.66	87.58	PASS
2013.00†	2011.57	-17.17	24.25	1931.57	2011.57	8130.81	117.73	-124.37	8148.52	96.14	85.38	PASS
2033.52	2031.86	-18.92	26.72	1951.86	2031.86	8130.81	117.73	-124.35	8150.24	96.65	84.95	PASS
2113.00†	2110.44	-25.84	36.50	2030.44	2110.44	8130.81	117.73	-124.42	8157.06	98.61	83.31	PASS
2213.00†	2209.30	-34.55	48.80	2129.30	2209.30	8130.81	117.73	-124.51	8165.66	101.09	81.34	PASS
2313.00†	2308.15	-43.27	61.10	2228.15	2308.15	8130.81	117.73	-124.60	8174.27	103.59	79.44	PASS
2413.00†	2407.01	-51.98	73.41	2327.01	2407.01	8130.81	117.73	-124.68	8182.91	106.11	77.63	PASS
2513.00†	2505.87	-60.69	85.71	2425.87	2505.87	8130.81	117.73	-124.77	8191.56	108.64	75.89	PASS
2613.00†	2604.73	-69.40	98.01	2524.73	2604.73	8130.81	117.73	-124.85	8200.23	111.18	74.22	PASS
2713.00†	2703.58	-78.11	110.32	2623.58	2703.58	8130.81	117.73	-124.94	8208.93	113.74	72.62	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 56 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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
2813.00†	2802.44	-86.82	122.62	2722.44	2802.44	8130.81	117.73	-125.03	8217.64	116.31	71.08	PASS
2913.00†	2901.30	-95.53	134.92	2821.30	2901.30	8130.81	117.73	-125.11	8226.36	118.90	69.60	PASS
3013.00†	3000.15	-104.24	147.23	2920.15	3000.15	8130.81	117.73	-125.20	8235.11	121.49	68.17	PASS
3113.00†	3099.01	-112.96	159.53	3019.01	3099.01	8130.81	117.73	-125.28	8243.87	124.10	66.80	PASS
3213.00†	3197.87	-121.67	171.83	3117.87	3197.87	8130.81	117.73	-125.37	8252.66	126.72	65.48	PASS
3313.00†	3296.73	-130.38	184.13	3216.73	3296.73	8130.81	117.73	-125.45	8261.46	129.36	64.21	PASS
3413.00†	3395.58	-139.09	196.44	3315.58	3395.58	8130.81	117.73	-125.53	8270.28	132.00	62.99	PASS
3513.00†	3494.44	-147.80	208.74	3414.44	3494.44	8130.81	117.73	-125.62	8279.11	134.65	61.80	PASS
3613.00†	3593.30	-156.51	221.04	3513.30	3593.30	8130.81	117.73	-125.70	8287.97	137.32	60.66	PASS
3713.00†	3692.15	-165.22	233.35	3612.15	3692.15	8130.81	117.73	-125.79	8296.84	139.99	59.56	PASS
3813.00†	3791.01	-173.93	245.65	3711.01	3791.01	8130.81	117.73	-125.87	8305.73	142.67	58.50	PASS
3913.00†	3889.87	-182.65	257.95	3809.87	3889.87	8130.81	117.73	-125.95	8314.64	145.36	57.47	PASS
4013.00†	3988.73	-191.36	270.26	3908.73	3988.73	8130.81	117.73	-126.04	8323.57	148.06	56.48	PASS
4113.00†	4087.58	-200.07	282.56	4007.58	4087.58	8130.81	117.73	-126.12	8332.51	150.77	55.52	PASS
4213.00†	4186.44	-208.78	294.86	4106.44	4186.44	8130.81	117.73	-126.20	8341.47	153.49	54.59	PASS
4313.00†	4285.30	-217.49	307.17	4205.30	4285.30	8130.81	117.73	-126.29	8350.45	156.21	53.69	PASS
4413.00†	4384.15	-226.20	319.47	4304.15	4384.15	8130.81	117.73	-126.37	8359.45	158.95	52.82	PASS
4513.00†	4483.01	-234.91	331.77	4403.01	4483.01	8130.81	117.73	-126.45	8368.46	161.68	51.98	PASS
4613.00†	4581.87	-243.63	344.07	4501.87	4581.87	8130.81	117.73	-126.53	8377.50	164.43	51.17	PASS
4713.00†	4680.73	-252.34	356.38	4600.73	4680.73	8130.81	117.73	-126.62	8386.54	167.18	50.37	PASS
4813.00†	4779.58	-261.05	368.68	4699.58	4779.58	8130.81	117.73	-126.70	8395.61	169.94	49.61	PASS
4913.00†	4878.44	-269.76	380.98	4798.44	4878.44	8130.81	117.73	-126.78	8404.70	172.70	48.86	PASS
5013.00†	4977.30	-278.47	393.29	4897.30	4977.30	8130.81	117.73	-126.86	8413.80	175.47	48.14	PASS
5113.00†	5076.16	-287.18	405.59	4996.16	5076.16	8130.81	117.73	-126.94	8422.91	178.25	47.44	PASS
5213.00†	5175.01	-295.89	417.89	5095.01	5175.01	8130.81	117.73	-127.02	8432.05	181.03	46.76	PASS
5313.00†	5273.87	-304.60	430.20	5193.87	5273.87	8130.81	117.73	-127.11	8441.20	183.81	46.10	PASS
5413.00†	5372.73	-313.32	442.50	5292.73	5372.73	8130.81	117.73	-127.19	8450.37	186.60	45.45	PASS
5513.00†	5471.58	-322.03	454.80	5391.58	5471.58	8130.81	117.73	-127.27	8459.56	189.40	44.83	PASS
5613.00†	5570.44	-330.74	467.10	5490.44	5570.44	8130.81	117.73	-127.35	8468.76	192.20	44.22	PASS
5713.00†	5669.30	-339.45	479.41	5589.30	5669.30	8130.81	117.73	-127.43	8477.98	195.00	43.63	PASS

C-C Clearance Distance Cutoff: 1000.00 ft





# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 57 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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
5813.00†	5768.16	-348.16	491.71	5688.16	5768.16	8130.81	117.73	-127.51	8487.22	197.81	43.06	PASS
5913.00†	5867.01	-356.87	504.01	5787.01	5867.01	8130.81	117.73	-127.59	8496.47	200.62	42.50	PASS
6013.00†	5965.87	-365.58	516.32	5885.87	5965.87	8130.81	117.73	-127.67	8505.74	203.43	41.95	PASS
6113.00†	6064.73	-374.30	528.62	5984.73	6064.73	8130.81	117.73	-127.75	8515.03	206.25	41.42	PASS
6213.00†	6163.58	-383.01	540.92	6083.58	6163.58	8130.81	117.73	-127.83	8524.33	209.07	40.91	PASS
6313.00†	6262.44	-391.72	553.23	6182.44	6262.44	8130.81	117.73	-127.91	8533.65	211.90	40.40	PASS
6413.00†	6361.30	-400.43	565.53	6281.30	6361.30	8130.81	117.73	-127.99	8542.99	214.73	39.91	PASS
6513.00†	6460.16	-409.14	577.83	6380.16	6460.16	8130.81	117.73	-128.07	8552.34	217.56	39.44	PASS
6613.00†	6559.01	-417.85	590.14	6479.01	6559.01	8130.81	117.73	-128.14	8561.71	220.39	38.97	PASS
6713.00†	6657.87	-426.56	602.44	6577.87	6657.87	8130.81	117.73	-128.22	8571.09	223.23	38.52	PASS
6813.00†	6756.73	-435.27	614.74	6676.73	6756.73	8130.81	117.73	-128.30	8580.49	226.07	38.07	PASS
6913.00†	6855.59	-443.99	627.04	6775.59	6855.59	8130.81	117.73	-128.38	8589.91	228.91	37.64	PASS
7013.00†	6954.44	-452.70	639.35	6874.44	6954.44	8130.81	117.73	-128.46	8599.34	231.75	37.22	PASS
7103.69	7044.09	-460.60	650.50	6964.09	7044.09	8130.81	117.73	-128.53	8607.91	234.34	36.84	PASS
7113.00†	7053.31	-461.33	651.65	6973.31	7053.31	8130.81	117.73	-123.21	8608.72	234.60	36.80	PASS
7213.00†	7152.40	-459.71	664.01	7072.40	7152.40	8130.81	117.73	-54.02	8607.87	237.64	36.33	PASS
7313.00†	7249.70	-440.76	676.19	7169.70	7249.70	8130.81	117.73	-28.39	8589.75	241.21	35.71	PASS
7413.00†	7342.25	-405.08	687.82	7262.25	7342.25	8130.81	117.73	-20.26	8554.91	244.65	35.07	PASS
7513.00†	7427.25	-353.74	698.55	7347.25	7427.25	8130.81	117.73	-16.93	8504.41	247.67	34.43	PASS
7613.00†	7502.10	-288.31	708.05	7422.10	7502.10	8130.81	117.73	-15.71	8439.79	250.24	33.82	PASS
7713.00†	7564.53	-210.76	716.03	7484.53	7564.53	8130.81	117.73	-15.96	8363.00	252.32	33.23	PASS
7813.00†	7612.65	-123.47	722.25	7532.65	7612.65	8130.81	117.73	-18.02	8276.39	253.89	32.69	PASS
7913.00†	7645.00	-29.07	726.53	7565.00	7645.00	8130.81	117.73	-24.23	8182.57	254.93	32.18	PASS
8013.00†	7660.58	69.55	728.72	7580.58	7660.58	8130.81	117.73	-51.22	8084.38	255.47	31.73	PASS
8053.48	7662.00	110.00	729.00	7582.00	7662.00	8130.81	117.73	-90.00	8044.07	255.56	31.56	PASS
8113.00†	7662.00	169.52	729.15	7582.00	7662.00	8130.81	117.73	-90.00	7984.74	255.62	31.32	PASS
8213.00†	7662.00	269.52	729.41	7582.00	7662.00	8130.81	117.73	-90.00	7885.06	255.74	30.92	PASS
8313.00†	7662.00	369.52	729.66	7582.00	7662.00	8130.81	117.73	-90.00	7785.38	255.86	30.51	PASS
8413.00†	7662.00	469.52	729.92	7582.00	7662.00	8130.81	117.73	-90.00	7685.72	255.99	30.10	PASS
8513.00†	7662.00	569.52	730.17	7582.00	7662.00	8130.81	117.73	-90.00	7586.06	256.12	29.70	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 58 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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
8613.00†	7662.00	669.52	730.43	7582.00	7662.00	8130.81	117.73	-90.00	7486.41	256.25	29.29	PASS
8713.00†	7662.00	769.51	730.68	7582.00	7662.00	8130.81	117.73	-90.00	7386.77	256.40	28.89	PASS
8813.00†	7662.00	869.51	730.94	7582.00	7662.00	8130.81	117.73	-90.00	7287.14	256.55	28.48	PASS
8913.00†	7662.00	969.51	731.19	7582.00	7662.00	8130.81	117.73	-90.00	7187.53	256.70	28.07	PASS
9013.00†	7662.00	1069.51	731.45	7582.00	7662.00	8130.81	117.73	-90.00	7087.92	256.86	27.67	PASS
9113.00†	7662.00	1169.51	731.70	7582.00	7662.00	8130.81	117.73	-90.00	6988.32	257.03	27.26	PASS
9213.00†	7662.00	1269.51	731.96	7582.00	7662.00	8130.81	117.73	-90.00	6888.74	257.21	26.85	PASS
9313.00†	7662.00	1369.51	732.21	7582.00	7662.00	8130.81	117.73	-90.00	6789.16	257.39	26.45	PASS
9413.00†	7662.00	1469.51	732.47	7582.00	7662.00	8130.81	117.73	-90.00	6689.61	257.58	26.04	PASS
9513.00†	7662.00	1569.51	732.72	7582.00	7662.00	8130.81	117.73	-90.00	6590.06	257.78	25.63	PASS
9613.00†	7662.00	1669.51	732.98	7582.00	7662.00	8130.81	117.73	-90.00	6490.53	257.98	25.23	PASS
9713.00†	7662.00	1769.51	733.23	7582.00	7662.00	8130.81	117.73	-90.00	6391.01	258.20	24.82	PASS
9813.00†	7662.00	1869.51	733.49	7582.00	7662.00	8130.81	117.73	-90.00	6291.51	258.43	24.41	PASS
9913.00†	7662.00	1969.51	733.74	7582.00	7662.00	8130.81	117.73	-90.00	6192.02	258.66	24.00	PASS
10013.00†	7662.00	2069.51	734.00	7582.00	7662.00	8130.81	117.73	-90.00	6092.55	258.90	23.59	PASS
10113.00†	7662.00	2169.51	734.26	7582.00	7662.00	8130.81	117.73	-90.00	5993.10	259.16	23.19	PASS
10213.00†	7662.00	2269.51	734.51	7582.00	7662.00	8130.81	117.73	-90.00	5893.66	259.43	22.78	PASS
10313.00†	7662.00	2369.51	734.77	7582.00	7662.00	8130.81	117.73	-90.00	5794.25	259.71	22.37	PASS
10413.00†	7662.00	2469.51	735.02	7582.00	7662.00	8130.81	117.73	-90.00	5694.86	260.00	21.96	PASS
10513.00†	7662.00	2569.51	735.28	7582.00	7662.00	8130.81	117.73	-90.00	5595.49	260.30	21.55	PASS
10613.00†	7662.00	2669.51	735.53	7582.00	7662.00	8130.81	117.73	-90.00	5496.14	260.62	21.14	PASS
10713.00†	7662.00	2769.51	735.79	7582.00	7662.00	8130.81	117.73	-90.00	5396.81	260.95	20.73	PASS
10813.00†	7662.00	2869.51	736.04	7582.00	7662.00	8130.81	117.73	-90.00	5297.51	261.30	20.33	PASS
10913.00†	7662.00	2969.51	736.30	7582.00	7662.00	8130.81	117.73	-90.00	5198.24	261.67	19.92	PASS
11013.00†	7662.00	3069.51	736.55	7582.00	7662.00	8130.81	117.73	-90.00	5098.99	262.05	19.51	PASS
11113.00†	7662.00	3169.51	736.81	7582.00	7662.00	8130.81	117.73	-90.00	4999.78	262.46	19.10	PASS
11213.00†	7662.00	3269.51	737.06	7582.00	7662.00	8130.81	117.73	-90.00	4900.60	262.88	18.69	PASS
11313.00†	7662.00	3369.51	737.32	7582.00	7662.00	8130.81	117.73	-90.00	4801.45	263.32	18.28	PASS
11413.00†	7662.00	3469.51	737.57	7582.00	7662.00	8130.81	117.73	-90.00	4702.34	263.79	17.87	PASS
11513.00†	7662.00	3569.51	737.83	7582.00	7662.00	8130.81	117.73	-90.00	4603.26	264.28	17.46	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 59 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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
11613.00†	7662.00	3669.51	738.08	7582.00	7662.00	8130.81	117.73	-90.00	4504.23	264.80	17.05	PASS
11713.00†	7662.00	3769.51	738.34	7582.00	7662.00	8130.81	117.73	-90.00	4405.24	265.35	16.64	PASS
11813.00†	7662.00	3869.50	738.59	7582.00	7662.00	8130.81	117.73	-90.00	4306.30	265.92	16.23	PASS
11913.00†	7662.00	3969.50	738.85	7582.00	7662.00	8130.81	117.73	-90.00	4207.41	266.53	15.83	PASS
12013.00†	7662.00	4069.50	739.10	7582.00	7662.00	8130.81	117.73	-90.00	4108.57	267.18	15.42	PASS
12113.00†	7662.00	4169.50	739.36	7582.00	7662.00	8130.81	117.73	-90.00	4009.79	267.86	15.01	PASS
12213.00†	7662.00	4269.50	739.61	7582.00	7662.00	8130.81	117.73	-90.00	3911.07	268.58	14.60	PASS
12313.00†	7662.00	4369.50	739.87	7582.00	7662.00	8130.81	117.73	-90.00	3812.41	269.35	14.19	PASS
12413.00†	7662.00	4469.50	740.12	7582.00	7662.00	8130.81	117.73	-90.00	3713.83	270.17	13.78	PASS
12513.00†	7662.00	4569.50	740.38	7582.00	7662.00	8130.81	117.73	-90.00	3615.33	271.04	13.37	PASS
12613.00†	7662.00	4669.50	740.63	7582.00	7662.00	8130.81	117.73	-90.00	3516.91	271.96	12.96	PASS
12713.00†	7662.00	4769.50	740.89	7582.00	7662.00	8130.81	117.73	-90.00	3418.59	272.95	12.55	PASS
12813.00†	7662.00	4869.50	741.14	7582.00	7662.00	8130.81	117.73	-90.00	3320.36	274.01	12.15	PASS
12913.00†	7662.00	4969.50	741.40	7582.00	7662.00	8130.81	117.73	-90.00	3222.24	275.14	11.74	PASS
13013.00†	7662.00	5069.50	741.66	7582.00	7662.00	8130.81	117.73	-90.00	3124.25	276.35	11.33	PASS
13113.00†	7662.00	5169.50	741.91	7582.00	7662.00	8130.81	117.73	-90.00	3026.38	277.66	10.93	PASS
13213.00†	7662.00	5269.50	742.17	7582.00	7662.00	8130.81	117.73	-90.00	2928.66	279.06	10.52	PASS
13313.00†	7662.00	5369.50	742.42	7582.00	7662.00	8130.81	117.73	-90.00	2831.09	280.58	10.11	PASS
13413.00†	7662.00	5469.50	742.68	7582.00	7662.00	8130.81	117.73	-90.00	2733.71	282.21	9.71	PASS
13513.00†	7662.00	5569.50	742.93	7582.00	7662.00	8130.81	117.73	-90.00	2636.51	283.99	9.30	PASS
13613.00†	7662.00	5669.50	743.19	7582.00	7662.00	8130.81	117.73	-90.00	2539.54	285.91	8.90	PASS
13713.00†	7662.00	5769.50	743.44	7582.00	7662.00	8130.81	117.73	-90.00	2442.81	288.00	8.50	PASS
13813.00†	7662.00	5869.50	743.70	7582.00	7662.00	8130.81	117.73	-90.00	2346.35	290.29	8.10	PASS
13913.00†	7662.00	5969.50	743.95	7582.00	7662.00	8130.81	117.73	-90.00	2250.21	292.79	7.70	PASS
14013.00†	7662.00	6069.50	744.21	7582.00	7662.00	8130.81	117.73	-90.00	2154.41	295.53	7.31	PASS
14113.00†	7662.00	6169.50	744.46	7582.00	7662.00	8130.81	117.73	-90.00	2059.02	298.54	6.91	PASS
14213.00†	7662.00	6269.50	744.72	7582.00	7662.00	8130.81	117.73	-90.00	1964.08	301.86	6.52	PASS
14313.00†	7662.00	6369.50	744.97	7582.00	7662.00	8130.81	117.73	-90.00	1869.67	305.54	6.13	PASS
14413.00†	7662.00	6469.50	745.23	7582.00	7662.00	8130.81	117.73	-90.00	1775.87	309.62	5.75	PASS
14513.00†	7662.00	6569.50	745.48	7582.00	7662.00	8130.81	117.73	-90.00	1682.79	314.16	5.37	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 60 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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
14613.00†	7662.00	6669.50	745.74	7582.00	7662.00	8130.81	117.73	-90.00	1590.55	319.24	4.99	PASS
14713.00†	7662.00	6769.50	745.99	7582.00	7662.00	8130.81	117.73	-90.00	1499.30	324.92	4.62	PASS
14813.00†	7662.00	6869.50	746.25	7582.00	7662.00	8130.81	117.73	-90.00	1409.24	331.31	4.26	PASS
14913.00†	7662.00	6969.49	746.50	7582.00	7662.00	8130.81	117.73	-90.00	1320.61	338.51	3.91	PASS
15013.00†	7662.00	7069.49	746.76	7582.00	7662.00	8130.81	117.73	-90.00	1233.73	346.63	3.56	PASS
15113.00†	7662.00	7169.49	747.01	7582.00	7662.00	8130.81	117.73	-90.00	1148.97	355.80	3.23	PASS
15213.00†	7662.00	7269.49	747.27	7582.00	7662.00	8130.81	117.73	-90.00	1066.86	366.15	2.92	PASS
15313.00†	7662.00	7369.49	747.52	7582.00	7662.00	8130.81	117.73	-90.00	988.05	377.76	2.62	PASS
15413.00†	7662.00	7469.49	747.78	7582.00	7662.00	8130.81	117.73	-90.00	913.41	390.67	2.34	PASS
15513.00†	7662.00	7569.49	748.03	7582.00	7662.00	8130.81	117.73	-90.00	844.02	404.78	2.09	PASS
15613.00†	7662.00	7669.49	748.29	7582.00	7662.00	8130.81	117.73	-90.00	781.30	419.73	1.86	PASS
15713.00†	7662.00	7769.49	748.54	7582.00	7662.00	8130.81	117.73	-90.00	726.97	434.78	1.67	PASS
15813.00†	7662.00	7869.49	748.80	7582.00	7662.00	8130.81	117.73	-90.00	683.04	448.68	1.52	PASS
15913.00†	7662.00	7969.49	749.06	7582.00	7662.00	8130.81	117.73	-90.00	651.61	459.70	1.42	PASS
16013.00†	7662.00	8069.49	749.31	7582.00	7662.00	8130.81	117.73	-90.00	634.55	465.98	1.36	PASS
16070.72†	7662.00	8127.21	749.46	7582.00	7662.00	8130.81	117.73	-90.00	631.74	466.90	1.35	PASS
16073.46†	7662.00	8129.95	749.46	7582.01	7662.01	8130.81	117.73	-90.00	631.74	466.89	1.35	PASS
16113.00†	7662.00	8169.49	749.57	7582.00	7662.00	8130.81	117.73	-90.00	633.02	466.23	1.36	PASS
16213.00†	7662.00	8269.49	749.82	7582.00	7662.00	8130.81	117.73	-90.00	647.13	460.36	1.41	PASS
16313.00†	7662.00	8369.49	750.08	7582.00	7662.00	8130.81	117.73	-90.00	675.90	449.51	1.50	PASS
16413.00†	7662.00	8469.49	750.33	7582.00	7662.00	8130.81	117.73	-90.00	717.56	435.51	1.65	PASS
16513.00†	7662.00	8569.49	750.59	7582.00	7662.00	8130.81	117.73	-90.00	770.03	420.17	1.83	PASS
16613.00†	7662.00	8669.49	750.84	7582.00	7662.00	8130.81	117.73	-90.00	831.27	404.84	2.06	PASS
16713.00†	7662.00	8769.49	751.10	7582.00	7662.00	8130.81	117.73	-90.00	899.48	390.33	2.31	PASS
16813.00†	7662.00	8869.49	751.35	7582.00	7662.00	8130.81	117.73	-90.00	973.20	377.05	2.58	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 61 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH PWB
Facility	SEC.19-T01S-R65W		

## 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 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 62 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.19-T01S-R65W Slot: SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19) Well: CONNER 19-18-4CDH 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
1213.00†	1213.00	0.00	0.00	1212.75	1212.75	-0.01	58.91	90.01	58.91	8.57	7.41	PASS
1313.00†	1313.00	0.00	0.00	1310.76	1310.73	-0.60	60.94	90.56	60.98	9.40	6.94	PASS
1413.00†	1413.00	0.00	0.00	1408.51	1408.32	-2.12	66.17	91.83	66.36	10.46	6.73	PASS
1513.00†	1513.00	0.00	0.00	1505.78	1505.20	-4.55	74.54	93.49	75.08	11.52	6.88	PASS
1600.00	1600.00	0.00	0.00	1589.83	1588.63	-7.39	84.31	95.01	85.40	12.43	7.22	PASS
1613.00†	1613.00	-0.02	0.02	1602.34	1601.02	-7.87	85.97	-30.06	87.13	12.57	7.29	PASS
1713.00†	1712.97	-1.29	1.82	1698.32	1695.81	-12.07	100.40	-28.89	100.64	13.66	7.71	PASS
1813.00†	1812.80	-4.57	6.46	1793.83	1789.59	-17.12	117.77	-28.52	114.40	14.85	8.04	PASS
1913.00†	1912.38	-9.87	13.94	1888.88	1882.26	-23.00	138.03	-28.68	128.37	16.00	8.35	PASS
2013.00†	2011.57	-17.17	24.25	1983.45	1973.72	-29.71	161.11	-29.21	142.55	17.13	8.64	PASS
2033.52	2031.86	-18.92	26.72	2002.80	1992.33	-31.19	166.19	-29.36	145.48	17.34	8.71	PASS
2113.00†	2110.44	-25.84	36.50	2078.87	2065.19	-37.29	187.20	-29.95	157.76	18.08	9.04	PASS
2213.00†	2209.30	-34.55	48.80	2177.56	2159.57	-45.35	214.92	-30.55	173.74	19.11	9.40	PASS
2313.00†	2308.15	-43.27	61.10	2276.26	2253.95	-53.41	242.65	-31.06	189.74	20.03	9.79	PASS
2413.00†	2407.01	-51.98	73.41	2374.96	2348.33	-61.47	270.38	-31.49	205.75	21.05	10.08	PASS
2513.00†	2505.87	-60.69	85.71	2473.66	2442.71	-69.53	298.11	-31.85	221.77	22.10	10.33	PASS
2613.00†	2604.73	-69.40	98.01	2572.36	2537.09	-77.59	325.84	-32.17	237.80	23.17	10.55	PASS
2713.00†	2703.58	-78.11	110.32	2671.06	2631.47	-85.65	353.57	-32.45	253.83	24.27	10.74	PASS

C-C Clearance Distance Cutoff: 1000.00 ft





# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 63 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.19-T01S-R65W Slot: SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19) Well: CONNER 19-18-4CDH 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†	2802.44	-86.82	122.62	2769.76	2725.85	-93.71	381.30	-32.69	269.87	25.38	10.91	PASS
2913.00†	2901.30	-95.53	134.92	2868.46	2820.23	-101.77	409.03	-32.91	285.91	26.51	11.05	PASS
3013.00†	3000.15	-104.24	147.23	2967.16	2914.61	-109.83	436.76	-33.10	301.96	27.65	11.18	PASS
3113.00†	3099.01	-112.96	159.53	3065.86	3008.99	-117.89	464.49	-33.27	318.01	28.80	11.29	PASS
3213.00†	3197.87	-121.67	171.83	3164.56	3103.37	-125.95	492.22	-33.43	334.06	29.97	11.39	PASS
3313.00†	3296.73	-130.38	184.13	3263.26	3197.75	-134.01	519.95	-33.57	350.11	31.14	11.48	PASS
3413.00†	3395.58	-139.09	196.44	3361.96	3292.13	-142.07	547.68	-33.70	366.17	32.33	11.56	PASS
3513.00†	3494.44	-147.80	208.74	3460.66	3386.51	-150.12	575.41	-33.82	382.23	33.52	11.63	PASS
3613.00†	3593.30	-156.51	221.04	3559.36	3480.89	-158.18	603.14	-33.93	398.29	34.71	11.69	PASS
3713.00†	3692.15	-165.22	233.35	3658.06	3575.28	-166.24	630.86	-34.03	414.35	35.92	11.75	PASS
3813.00†	3791.01	-173.93	245.65	3756.75	3669.66	-174.30	658.59	-34.13	430.41	37.12	11.80	PASS
3913.00†	3889.87	-182.65	257.95	3855.45	3764.04	-182.36	686.32	-34.21	446.47	38.34	11.85	PASS
4013.00†	3988.73	-191.36	270.26	3954.15	3858.42	-190.42	714.05	-34.29	462.53	39.55	11.89	PASS
4113.00†	4087.58	-200.07	282.56	4052.85	3952.80	-198.48	741.78	-34.37	478.60	40.78	11.93	PASS
4213.00†	4186.44	-208.78	294.86	4151.55	4047.18	-206.54	769.51	-34.44	494.66	42.00	11.96	PASS
4313.00†	4285.30	-217.49	307.17	4250.25	4141.56	-214.60	797.24	-34.51	510.73	43.23	11.99	PASS
4413.00†	4384.15	-226.20	319.47	4348.95	4235.94	-222.66	824.97	-34.57	526.79	44.46	12.02	PASS
4513.00†	4483.01	-234.91	331.77	4447.65	4330.32	-230.72	852.70	-34.63	542.86	45.70	12.05	PASS
4613.00†	4581.87	-243.63	344.07	4546.35	4424.70	-238.78	880.43	-34.68	558.93	46.94	12.08	PASS
4713.00†	4680.73	-252.34	356.38	4645.05	4519.08	-246.84	908.16	-34.73	575.00	48.18	12.10	PASS
4813.00†	4779.58	-261.05	368.68	4743.75	4613.46	-254.90	935.89	-34.78	591.07	49.42	12.12	PASS
4913.00†	4878.44	-269.76	380.98	4842.45	4707.84	-262.96	963.62	-34.83	607.13	50.66	12.14	PASS
5013.00†	4977.30	-278.47	393.29	4941.15	4802.22	-271.02	991.35	-34.87	623.20	51.91	12.16	PASS
5113.00†	5076.16	-287.18	405.59	5039.85	4896.60	-279.08	1019.08	-34.91	639.27	53.16	12.17	PASS
5213.00†	5175.01	-295.89	417.89	5138.55	4990.98	-287.13	1046.80	-34.95	655.34	54.41	12.19	PASS
5313.00†	5273.87	-304.60	430.20	5237.25	5085.36	-295.19	1074.53	-34.99	671.41	55.66	12.21	PASS
5413.00†	5372.73	-313.32	442.50	5335.94	5179.75	-303.25	1102.26	-35.03	687.48	56.91	12.22	PASS
5513.00†	5471.58	-322.03	454.80	5434.64	5274.13	-311.31	1129.99	-35.06	703.55	58.17	12.23	PASS
5613.00†	5570.44	-330.74	467.10	5533.34	5368.51	-319.37	1157.72	-35.10	719.62	59.42	12.24	PASS
5713.00†	5669.30	-339.45	479.41	5632.04	5462.89	-327.43	1185.45	-35.13	735.70	60.68	12.26	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 64 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.19-T01S-R65W		Slot: SLOT#13 CONNER 19-18-4CDH (350'FSL & 1975'FWL, SEC.19)				Well: CONNER 19-18-4CDH		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†	5768.16	-348.16	491.71	5730.74	5557.27	-335.49	1213.18	-35.16	751.77	61.94	12.27	PASS
5913.00†	5867.01	-356.87	504.01	5829.44	5651.65	-343.55	1240.91	-35.19	767.84	63.20	12.28	PASS
6013.00†	5965.87	-365.58	516.32	5928.14	5746.03	-351.61	1268.64	-35.21	783.91	64.46	12.29	PASS
6113.00†	6064.73	-374.30	528.62	6026.84	5840.41	-359.67	1296.37	-35.24	799.98	65.72	12.29	PASS
6213.00†	6163.58	-383.01	540.92	6125.54	5934.79	-367.73	1324.10	-35.27	816.05	66.98	12.30	PASS
6313.00†	6262.44	-391.72	553.23	6224.24	6029.17	-375.79	1351.83	-35.29	832.13	68.24	12.31	PASS
6413.00†	6361.30	-400.43	565.53	6322.94	6123.55	-383.85	1379.56	-35.31	848.20	69.50	12.32	PASS
6513.00†	6460.16	-409.14	577.83	6421.64	6217.93	-391.91	1407.29	-35.34	864.27	70.77	12.33	PASS
6613.00†	6559.01	-417.85	590.14	6520.34	6312.31	-399.97	1435.02	-35.36	880.34	72.03	12.33	PASS
6713.00†	6657.87	-426.56	602.44	6619.04	6406.69	-408.03	1462.74	-35.38	896.42	73.30	12.34	PASS
6813.00†	6756.73	-435.27	614.74	6717.74	6501.07	-416.08	1490.47	-35.40	912.49	74.57	12.34	PASS
6913.00†	6855.59	-443.99	627.04	6816.44	6595.45	-424.14	1518.20	-35.42	928.56	75.83	12.35	PASS
7013.00†	6954.44	-452.70	639.35	6915.13	6689.83	-432.20	1545.93	-35.44	944.63	77.10	12.36	PASS
7103.69	7044.09	-460.60	650.50	7004.64	6775.43	-439.51	1571.08	-35.46	959.21	78.25	12.36	PASS
7113.00†	7053.31	-461.33	651.65	7013.83	6784.22	-440.26	1573.66	-30.28	960.71	78.37	12.36	PASS
7213.00†	7152.40	-459.71	664.01	7111.93	6878.02	-448.27	1601.22	37.97	976.62	79.32	12.41	PASS
7313.00†	7249.70	-440.76	676.19	7206.85	6968.78	-456.02	1627.89	63.73	992.41	79.87	12.53	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

## POSITIONAL UNCERTAINTY - Offset Wellbore: CONNER 19-18-4CDH PWB Offset Wellpath: CONNER 19-18-4CDH 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 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 65 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH PWB
Facility	SEC.19-T01S-R65W		

## HOLE & CASING SECTIONS - Offset Wellbore: CONNER 19-18-4CDH PWB Offset 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	35.89	0.00	35.89
8.5in Open Hole	700.00	18007.75	17307.75	700.00	7617.00	0.00	35.89	3019.94	580.07

## SURVEY PROGRAM - Offset Wellbore: CONNER 19-18-4CDH PWB Offset 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

## OFFSET WELLPATH REFERENCE - Offset Wellbore: CONNER 19-18-4CDH PWB Offset Wellpath: CONNER 19-18-4CDH 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 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 66 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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	-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	1.73	62.92	PASS
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-58.88	-90.00	58.88	2.30	38.89	PASS
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-58.88	-90.00	58.88	2.90	27.69	PASS
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-58.88	-90.00	58.88	3.51	21.41	PASS
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-58.88	-90.00	58.88	4.13	17.43	PASS
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-58.88	-90.00	58.88	4.76	14.69	PASS
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-58.88	-90.00	58.88	4.98	13.61	PASS
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	-58.88	-90.00	58.88	5.14	13.12	PASS
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	-58.88	-90.00	58.88	5.53	12.07	PASS
1013.00†	1013.00	0.00	0.00	1013.00	1013.00	0.00	-58.88	-90.00	58.88	6.10	10.80	PASS
1113.00†	1113.00	0.00	0.00	1113.00	1113.00	0.00	-58.88	-90.00	58.88	6.79	9.56	PASS
1213.00†	1213.00	0.00	0.00	1212.86	1212.86	-0.02	-58.90	-90.02	58.90	7.58	8.47	PASS
1313.00†	1313.00	0.00	0.00	1311.77	1311.74	-1.87	-60.00	-91.79	60.04	8.45	7.67	PASS
1413.00†	1413.00	0.00	0.00	1410.40	1410.21	-6.64	-62.83	-96.03	63.25	9.47	7.14	PASS
1513.00†	1513.00	0.00	0.00	1509.20	1508.63	-14.08	-67.27	-101.82	68.86	10.48	6.97	PASS
1600.00	1600.00	0.00	0.00	1595.82	1594.86	-21.04	-71.42	-106.42	74.63	11.33	6.96	PASS
1613.00†	1613.00	-0.02	0.02	1608.76	1607.75	-22.08	-72.04	-127.66	75.54	11.46	6.96	PASS
1713.00†	1712.97	-1.29	1.82	1708.31	1706.86	-30.09	-76.80	124.42	83.95	12.46	7.08	PASS
1813.00†	1812.80	-4.57	6.46	1807.74	1805.86	-38.08	-81.57	123.52	94.44	13.52	7.32	PASS
1913.00†	1912.38	-9.87	13.94	1906.95	1904.63	-46.06	-86.32	124.32	106.87	14.59	7.65	PASS
2013.00†	2011.57	-17.17	24.25	2005.80	2003.05	-54.01	-91.05	126.23	121.35	15.69	8.05	PASS
2033.52	2031.86	-18.92	26.72	2026.03	2023.18	-55.64	-92.02	126.71	124.59	15.91	8.15	PASS
2113.00†	2110.44	-25.84	36.50	2104.34	2101.16	-61.94	-95.78	128.66	137.42	16.76	8.52	PASS
2213.00†	2209.30	-34.55	48.80	2202.88	2199.26	-69.86	-100.50	130.64	153.74	17.83	8.94	PASS
2313.00†	2308.15	-43.27	61.10	2301.41	2297.36	-77.79	-105.22	132.24	170.21	18.92	9.31	PASS
2413.00†	2407.01	-51.98	73.41	2399.95	2395.46	-85.71	-109.94	133.56	186.78	20.01	9.64	PASS
2513.00†	2505.87	-60.69	85.71	2498.48	2493.57	-93.63	-114.66	134.66	203.43	21.12	9.93	PASS
2613.00†	2604.73	-69.40	98.01	2597.02	2591.67	-101.56	-119.38	135.59	220.14	22.23	10.20	PASS
2713.00†	2703.58	-78.11	110.32	2695.55	2689.77	-109.48	-124.10	136.40	236.90	23.35	10.43	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 67 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	2802.44	-86.82	122.62	2794.08	2787.87	-117.41	-128.82	137.10	253.71	24.47	10.65	PASS
2913.00†	2901.30	-95.53	134.92	2892.62	2885.97	-125.33	-133.54	137.71	270.54	25.59	10.84	PASS
3013.00†	3000.15	-104.24	147.23	2991.15	2984.07	-133.25	-138.26	138.25	287.40	26.72	11.02	PASS
3113.00†	3099.01	-112.96	159.53	3089.69	3082.18	-141.18	-142.98	138.73	304.28	27.86	11.18	PASS
3213.00†	3197.87	-121.67	171.83	3188.22	3180.28	-149.10	-147.70	139.16	321.19	29.00	11.33	PASS
3313.00†	3296.73	-130.38	184.13	3286.76	3278.38	-157.03	-152.42	139.54	338.10	30.14	11.47	PASS
3413.00†	3395.58	-139.09	196.44	3385.29	3376.48	-164.95	-157.14	139.89	355.03	31.28	11.59	PASS
3513.00†	3494.44	-147.80	208.74	3483.83	3474.58	-172.88	-161.86	140.21	371.97	32.42	11.71	PASS
3613.00†	3593.30	-156.51	221.04	3582.36	3572.69	-180.80	-166.58	140.50	388.93	33.57	11.81	PASS
3713.00†	3692.15	-165.22	233.35	3680.89	3670.79	-188.72	-171.30	140.76	405.89	34.71	11.91	PASS
3813.00†	3791.01	-173.93	245.65	3779.43	3768.89	-196.65	-176.02	141.01	422.86	35.86	12.01	PASS
3913.00†	3889.87	-182.65	257.95	3877.96	3866.99	-204.57	-180.74	141.23	439.83	37.01	12.10	PASS
4013.00†	3988.73	-191.36	270.26	3976.50	3965.09	-212.50	-185.46	141.44	456.81	38.17	12.18	PASS
4113.00†	4087.58	-200.07	282.56	4075.03	4063.19	-220.42	-190.18	141.64	473.80	39.32	12.25	PASS
4213.00†	4186.44	-208.78	294.86	4173.57	4161.30	-228.34	-194.90	141.82	490.79	40.47	12.32	PASS
4313.00†	4285.30	-217.49	307.17	4272.10	4259.40	-236.27	-199.62	141.99	507.79	41.63	12.39	PASS
4413.00†	4384.15	-226.20	319.47	4370.63	4357.50	-244.19	-204.34	142.14	524.79	42.79	12.46	PASS
4513.00†	4483.01	-234.91	331.77	4469.17	4455.60	-252.12	-209.06	142.29	541.80	43.94	12.52	PASS
4613.00†	4581.87	-243.63	344.07	4567.70	4553.70	-260.04	-213.78	142.43	558.80	45.10	12.57	PASS
4713.00†	4680.73	-252.34	356.38	4666.24	4651.80	-267.97	-218.50	142.56	575.81	46.26	12.63	PASS
4813.00†	4779.58	-261.05	368.68	4764.77	4749.91	-275.89	-223.22	142.68	592.83	47.42	12.68	PASS
4913.00†	4878.44	-269.76	380.98	4863.31	4848.01	-283.81	-227.94	142.80	609.84	48.58	12.72	PASS
5013.00†	4977.30	-278.47	393.29	4961.84	4946.11	-291.74	-232.66	142.91	626.86	49.74	12.77	PASS
5113.00†	5076.16	-287.18	405.59	5060.38	5044.21	-299.66	-237.38	143.01	643.88	50.90	12.81	PASS
5213.00†	5175.01	-295.89	417.89	5158.91	5142.31	-307.59	-242.10	143.11	660.90	52.06	12.86	PASS
5313.00†	5273.87	-304.60	430.20	5257.44	5240.42	-315.51	-246.82	143.20	677.93	53.22	12.90	PASS
5413.00†	5372.73	-313.32	442.50	5355.98	5338.52	-323.43	-251.54	143.29	694.95	54.39	12.93	PASS
5513.00†	5471.58	-322.03	454.80	5454.51	5436.62	-331.36	-256.26	143.38	711.98	55.55	12.97	PASS
5613.00†	5570.44	-330.74	467.10	5553.05	5534.72	-339.28	-260.98	143.46	729.01	56.71	13.00	PASS
5713.00†	5669.30	-339.45	479.41	5651.58	5632.82	-347.21	-265.70	143.54	746.04	57.88	13.04	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 68 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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	
5813.00†	5768.16	-348.16	491.71	5750.12	5730.92	-355.13	-270.42	143.61	763.07	59.04	13.07	PASS	
5913.00†	5867.01	-356.87	504.01	5848.65	5829.03	-363.06	-275.14	143.68	780.10	60.20	13.10	PASS	
6013.00†	5965.87	-365.58	516.32	5947.18	5927.13	-370.98	-279.86	143.75	797.14	61.37	13.13	PASS	
6113.00†	6064.73	-374.30	528.62	6045.72	6025.23	-378.90	-284.58	143.81	814.17	62.53	13.16	PASS	
6213.00†	6163.58	-383.01	540.92	6144.25	6123.33	-386.83	-289.30	143.88	831.21	63.70	13.18	PASS	
6313.00†	6262.44	-391.72	553.23	6242.79	6221.43	-394.75	-294.02	143.93	848.24	64.87	13.21	PASS	
6413.00†	6361.30	-400.43	565.53	6341.32	6319.53	-402.68	-298.74	143.99	865.28	66.03	13.24	PASS	
6513.00†	6460.16	-409.14	577.83	6439.86	6417.64	-410.60	-303.46	144.05	882.32	67.20	13.26	PASS	
6613.00†	6559.01	-417.85	590.14	6538.39	6515.74	-418.52	-308.18	144.10	899.36	68.36	13.28	PASS	
6713.00†	6657.87	-426.56	602.44	6636.93	6613.84	-426.45	-312.90	144.15	916.40	69.53	13.30	PASS	
6813.00†	6756.73	-435.27	614.74	6735.46	6711.94	-434.37	-317.62	144.20	933.44	70.70	13.33	PASS	
6913.00†	6855.59	-443.99	627.04	6833.99	6810.04	-442.30	-322.34	144.25	950.48	71.87	13.35	PASS	
7013.00†	6954.44	-452.70	639.35	6932.53	6908.14	-450.22	-327.06	144.29	967.52	73.03	13.37	PASS	
7103.69	7044.09	-460.60	650.50	7021.89	6997.11	-457.41	-331.34	144.33	982.97	74.09	13.39	PASS	
7113.00†	7053.31	-461.33	651.65	7031.06	7006.25	-458.15	-331.78	149.82	984.56	74.20	13.39	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	-35.89	0.00	-35.89
8.5in Open Hole	700.00	17772.62	17072.62	700.00	7662.00	0.00	-35.89	3007.71	-121.31





# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 69 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 70 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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	-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	1.72	47.78	PASS
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-44.86	-90.00	44.86	2.29	29.53	PASS
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-44.86	-90.00	44.86	2.90	21.03	PASS
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-44.86	-90.00	44.86	3.51	16.26	PASS
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-44.86	-90.00	44.86	4.13	13.23	PASS
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-44.86	-90.00	44.86	4.75	11.15	PASS
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-44.86	-90.00	44.86	4.98	10.33	PASS
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	-44.86	-90.00	44.86	5.14	9.97	PASS
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	-44.86	-90.00	44.86	5.53	9.16	PASS
1013.00†	1013.00	0.00	0.00	1013.00	1013.00	0.00	-44.86	-90.00	44.86	6.09	8.20	PASS
1113.00†	1113.00	0.00	0.00	1113.00	1113.00	0.00	-44.86	-90.00	44.86	6.79	7.26	PASS
1213.00†	1213.00	0.00	0.00	1213.00	1213.00	0.00	-44.86	-90.00	44.86	7.58	6.43	PASS
1313.00†	1313.00	0.00	0.00	1312.92	1312.92	-0.03	-44.87	-90.03	44.87	8.42	5.72	PASS
1413.00†	1413.00	0.00	0.00	1412.25	1412.23	-2.02	-45.72	-92.53	45.77	9.33	5.23	PASS
1513.00†	1513.00	0.00	0.00	1511.32	1511.13	-7.17	-47.91	-98.51	48.48	10.34	4.96	PASS
1600.00	1600.00	0.00	0.00	1597.35	1596.83	-14.11	-50.86	-105.51	52.88	11.26	4.94	PASS
1613.00†	1613.00	-0.02	0.02	1610.29	1609.71	-15.26	-51.35	128.16	53.69	11.39	4.96	PASS
1713.00†	1712.97	-1.29	1.82	1709.85	1708.80	-24.05	-55.09	122.75	61.43	12.41	5.19	PASS
1813.00†	1812.80	-4.57	6.46	1809.34	1807.83	-32.84	-58.82	120.96	71.31	13.47	5.53	PASS
1913.00†	1912.38	-9.87	13.94	1908.64	1906.67	-41.62	-62.55	121.64	83.02	14.53	5.95	PASS
2013.00†	2011.57	-17.17	24.25	2007.63	2005.21	-50.36	-66.27	123.83	96.63	15.63	6.43	PASS
2033.52	2031.86	-18.92	26.72	2027.89	2025.38	-52.15	-67.03	124.41	99.68	15.86	6.53	PASS
2113.00†	2110.44	-25.84	36.50	2106.35	2103.47	-59.08	-69.98	126.61	111.76	16.71	6.94	PASS
2213.00†	2209.30	-34.55	48.80	2205.06	2201.72	-67.80	-73.69	128.79	127.15	17.79	7.40	PASS
2313.00†	2308.15	-43.27	61.10	2303.76	2299.97	-76.53	-77.40	130.49	142.67	18.89	7.81	PASS
2413.00†	2407.01	-51.98	73.41	2402.47	2398.23	-85.25	-81.10	131.86	158.30	20.00	8.17	PASS
2513.00†	2505.87	-60.69	85.71	2501.18	2496.48	-93.97	-84.81	132.98	173.99	21.11	8.49	PASS
2613.00†	2604.73	-69.40	98.01	2599.89	2594.73	-102.69	-88.52	133.92	189.74	22.24	8.78	PASS
2713.00†	2703.58	-78.11	110.32	2698.60	2692.98	-111.41	-92.23	134.72	205.53	23.36	9.04	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 71 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	2802.44	-86.82	122.62	2797.30	2791.24	-120.13	-95.93	135.40	221.36	24.50	9.27	PASS
2913.00†	2901.30	-95.53	134.92	2896.01	2889.49	-128.85	-99.64	135.99	237.21	25.64	9.49	PASS
3013.00†	3000.15	-104.24	147.23	2994.72	2987.74	-137.57	-103.35	136.50	253.09	26.78	9.68	PASS
3113.00†	3099.01	-112.96	159.53	3093.43	3085.99	-146.29	-107.06	136.96	268.98	27.93	9.85	PASS
3213.00†	3197.87	-121.67	171.83	3192.14	3184.24	-155.02	-110.76	137.36	284.88	29.08	10.02	PASS
3313.00†	3296.73	-130.38	184.13	3290.84	3282.50	-163.74	-114.47	137.72	300.80	30.23	10.16	PASS
3413.00†	3395.58	-139.09	196.44	3389.55	3380.75	-172.46	-118.18	138.05	316.73	31.39	10.30	PASS
3513.00†	3494.44	-147.80	208.74	3488.26	3479.00	-181.18	-121.89	138.34	332.67	32.55	10.43	PASS
3613.00†	3593.30	-156.51	221.04	3586.97	3577.25	-189.90	-125.59	138.61	348.61	33.71	10.54	PASS
3713.00†	3692.15	-165.22	233.35	3685.68	3675.51	-198.62	-129.30	138.85	364.56	34.87	10.65	PASS
3813.00†	3791.01	-173.93	245.65	3784.39	3773.76	-207.34	-133.01	139.07	380.52	36.03	10.75	PASS
3913.00†	3889.87	-182.65	257.95	3883.09	3872.01	-216.06	-136.72	139.28	396.48	37.20	10.85	PASS
4013.00†	3988.73	-191.36	270.26	3981.80	3970.26	-224.78	-140.42	139.47	412.45	38.37	10.93	PASS
4113.00†	4087.58	-200.07	282.56	4080.51	4068.51	-233.51	-144.13	139.64	428.42	39.54	11.02	PASS
4213.00†	4186.44	-208.78	294.86	4179.22	4166.77	-242.23	-147.84	139.81	444.40	40.70	11.09	PASS
4313.00†	4285.30	-217.49	307.17	4277.93	4265.02	-250.95	-151.55	139.96	460.38	41.87	11.17	PASS
4413.00†	4384.15	-226.20	319.47	4376.63	4363.27	-259.67	-155.25	140.10	476.36	43.05	11.23	PASS
4513.00†	4483.01	-234.91	331.77	4475.34	4461.52	-268.39	-158.96	140.23	492.34	44.22	11.30	PASS
4613.00†	4581.87	-243.63	344.07	4574.05	4559.77	-277.11	-162.67	140.35	508.33	45.39	11.36	PASS
4713.00†	4680.73	-252.34	356.38	4672.76	4658.03	-285.83	-166.38	140.47	524.32	46.57	11.42	PASS
4813.00†	4779.58	-261.05	368.68	4771.47	4756.28	-294.55	-170.09	140.58	540.31	47.74	11.47	PASS
4913.00†	4878.44	-269.76	380.98	4870.17	4854.53	-303.27	-173.79	140.68	556.30	48.92	11.53	PASS
5013.00†	4977.30	-278.47	393.29	4968.88	4952.78	-312.00	-177.50	140.78	572.30	50.09	11.57	PASS
5113.00†	5076.16	-287.18	405.59	5067.59	5051.04	-320.72	-181.21	140.87	588.29	51.27	11.62	PASS
5213.00†	5175.01	-295.89	417.89	5166.30	5149.29	-329.44	-184.92	140.96	604.29	52.44	11.67	PASS
5313.00†	5273.87	-304.60	430.20	5265.01	5247.54	-338.16	-188.62	141.04	620.29	53.62	11.71	PASS
5413.00†	5372.73	-313.32	442.50	5363.72	5345.79	-346.88	-192.33	141.12	636.29	54.80	11.75	PASS
5513.00†	5471.58	-322.03	454.80	5462.42	5444.04	-355.60	-196.04	141.20	652.29	55.98	11.79	PASS
5613.00†	5570.44	-330.74	467.10	5561.13	5542.30	-364.32	-199.75	141.27	668.29	57.16	11.83	PASS
5713.00†	5669.30	-339.45	479.41	5659.84	5640.55	-373.04	-203.45	141.33	684.29	58.34	11.86	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 72 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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	
5813.00†	5768.16	-348.16	491.71	5758.55	5738.80	-381.76	-207.16	141.40	700.29	59.52	11.90	PASS	
5913.00†	5867.01	-356.87	504.01	5857.26	5837.05	-390.48	-210.87	141.46	716.30	60.70	11.93	PASS	
6013.00†	5965.87	-365.58	516.32	5955.96	5935.31	-399.21	-214.58	141.52	732.30	61.88	11.96	PASS	
6113.00†	6064.73	-374.30	528.62	6054.67	6033.56	-407.93	-218.28	141.58	748.31	63.06	11.99	PASS	
6213.00†	6163.58	-383.01	540.92	6153.38	6131.81	-416.65	-221.99	141.63	764.32	64.24	12.02	PASS	
6313.00†	6262.44	-391.72	553.23	6252.09	6230.06	-425.37	-225.70	141.68	780.32	65.42	12.05	PASS	
6413.00†	6361.30	-400.43	565.53	6350.80	6328.31	-434.09	-229.41	141.73	796.33	66.60	12.07	PASS	
6513.00†	6460.16	-409.14	577.83	6449.50	6426.57	-442.81	-233.11	141.78	812.34	67.79	12.10	PASS	
6613.00†	6559.01	-417.85	590.14	6548.21	6524.82	-451.53	-236.82	141.83	828.35	68.97	12.12	PASS	
6713.00†	6657.87	-426.56	602.44	6646.92	6623.07	-460.25	-240.53	141.87	844.36	70.15	12.15	PASS	
6813.00†	6756.73	-435.27	614.74	6750.84	6726.78	-461.04	-244.42	142.48	860.07	71.37	12.16	PASS	
6913.00†	6855.59	-443.99	627.04	6849.05	6823.40	-444.59	-248.01	144.16	875.65	72.57	12.17	PASS	
7013.00†	6954.44	-452.70	639.35	6936.64	6906.12	-416.17	-251.06	146.49	892.46	73.15	12.31	PASS	
7103.69	7044.09	-460.60	650.50	7005.41	6967.44	-385.22	-253.29	148.80	910.16	73.11	12.56	PASS	
7113.00†	7053.31	-461.33	651.65	7011.94	6973.06	-381.91	-253.49	154.56	912.16	73.13	12.59	PASS	
7213.00†	7152.40	-459.71	664.01	7080.36	7029.53	-343.40	-255.53	-131.52	934.97	72.95	12.93	PASS	
7313.00†	7249.70	-440.76	676.19	7146.41	7079.32	-300.09	-257.30	-101.28	959.28	73.02	13.26	PASS	
7413.00†	7342.25	-405.08	687.82	7210.75	7122.72	-252.65	-258.82	-88.76	983.64	72.73	13.65	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 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 73 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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	-27.35	0.00	-27.35
8.5in Open Hole	700.00	17363.11	16663.11	700.00	7252.00	0.00	-27.35	3008.27	-87.14

## 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 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 74 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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	1870.08	11.56		9335.47	25.40	379.43	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 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 75 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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	-75.71	-90.00	75.71	1.40	124.84	PASS
113.00†	113.00	0.00	0.00	113.00	113.00	0.00	-75.71	-90.00	75.71	1.73	80.90	PASS
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-75.71	-90.00	75.71	2.30	49.97	PASS
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-75.71	-90.00	75.71	2.91	35.61	PASS
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-75.71	-90.00	75.71	3.52	27.55	PASS
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-75.71	-90.00	75.71	4.14	22.43	PASS
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-75.71	-90.00	75.71	4.76	18.90	PASS
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-75.71	-90.00	75.71	4.99	17.51	PASS
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	-75.71	-90.00	75.71	5.15	16.88	PASS
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	-75.71	-90.00	75.71	5.54	15.53	PASS
1013.00†	1013.00	0.00	0.00	1012.73	1012.73	-0.02	-75.73	-90.01	75.73	6.10	13.91	PASS
1113.00†	1113.00	0.00	0.00	1110.64	1110.61	-1.32	-77.39	-90.98	77.44	6.87	12.45	PASS
1213.00†	1213.00	0.00	0.00	1208.29	1208.11	-4.67	-81.66	-93.27	81.94	7.92	11.26	PASS
1313.00†	1313.00	0.00	0.00	1305.46	1304.88	-10.03	-88.51	-96.47	89.45	9.01	10.69	PASS
1413.00†	1413.00	0.00	0.00	1402.62	1401.31	-17.36	-97.87	-100.06	100.08	10.03	10.66	PASS
1513.00†	1513.00	0.00	0.00	1501.75	1499.57	-25.43	-108.17	-103.23	111.93	10.94	10.87	PASS
1600.00	1600.00	0.00	0.00	1587.99	1585.05	-32.45	-117.14	-105.48	122.47	11.75	11.03	PASS
1613.00†	1613.00	-0.02	0.02	1600.87	1597.82	-33.50	-118.48	-128.90	124.07	11.87	11.05	PASS
1713.00†	1712.97	-1.29	1.82	1699.88	1695.97	-41.56	-128.77	127.32	137.71	12.82	11.31	PASS
1813.00†	1812.80	-4.57	6.46	1798.63	1793.85	-49.60	-139.03	127.01	153.48	13.86	11.62	PASS
1913.00†	1912.38	-9.87	13.94	1896.98	1891.34	-57.60	-149.26	127.62	171.33	14.91	12.01	PASS
2013.00†	2011.57	-17.17	24.25	1994.83	1988.33	-65.57	-159.43	128.86	191.37	16.01	12.46	PASS
2033.52	2031.86	-18.92	26.72	2014.83	2008.16	-67.20	-161.51	129.17	195.76	16.22	12.58	PASS
2113.00†	2110.44	-25.84	36.50	2092.27	2084.92	-73.50	-169.56	130.55	213.03	17.03	13.01	PASS
2213.00†	2209.30	-34.55	48.80	2189.69	2181.49	-81.43	-179.69	132.01	234.90	18.08	13.48	PASS
2313.00†	2308.15	-43.27	61.10	2287.11	2278.05	-89.36	-189.81	133.21	256.89	19.15	13.89	PASS
2413.00†	2407.01	-51.98	73.41	2384.53	2374.62	-97.29	-199.94	134.23	278.96	20.22	14.26	PASS
2513.00†	2505.87	-60.69	85.71	2481.95	2471.19	-105.22	-210.07	135.10	301.11	21.31	14.58	PASS
2613.00†	2604.73	-69.40	98.01	2579.38	2567.76	-113.16	-220.19	135.84	323.32	22.41	14.87	PASS
2713.00†	2703.58	-78.11	110.32	2676.80	2664.33	-121.09	-230.32	136.50	345.57	23.52	15.12	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 76 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	2802.44	-86.82	122.62	2774.22	2760.90	-129.02	-240.45	137.07	367.86	24.63	15.35	PASS	
2913.00†	2901.30	-95.53	134.92	2871.64	2857.47	-136.95	-250.57	137.58	390.18	25.75	15.56	PASS	
3013.00†	3000.15	-104.24	147.23	2969.06	2954.04	-144.88	-260.70	138.03	412.53	26.87	15.74	PASS	
3113.00†	3099.01	-112.96	159.53	3066.49	3050.61	-152.81	-270.83	138.44	434.90	28.00	15.91	PASS	
3213.00†	3197.87	-121.67	171.83	3163.91	3147.18	-160.74	-280.96	138.80	457.29	29.13	16.07	PASS	
3313.00†	3296.73	-130.38	184.13	3261.33	3243.75	-168.67	-291.08	139.14	479.69	30.26	16.21	PASS	
3413.00†	3395.58	-139.09	196.44	3358.75	3340.31	-176.60	-301.21	139.44	502.11	31.40	16.34	PASS	
3513.00†	3494.44	-147.80	208.74	3456.17	3436.88	-184.53	-311.34	139.72	524.54	32.54	16.46	PASS	
3613.00†	3593.30	-156.51	221.04	3553.60	3533.45	-192.47	-321.46	139.97	546.98	33.68	16.57	PASS	
3713.00†	3692.15	-165.22	233.35	3651.02	3630.02	-200.40	-331.59	140.20	569.43	34.83	16.67	PASS	
3813.00†	3791.01	-173.93	245.65	3748.44	3726.59	-208.33	-341.72	140.42	591.89	35.98	16.76	PASS	
3913.00†	3889.87	-182.65	257.95	3845.86	3823.16	-216.26	-351.84	140.62	614.36	37.12	16.85	PASS	
4013.00†	3988.73	-191.36	270.26	3943.28	3919.73	-224.19	-361.97	140.81	636.83	38.28	16.93	PASS	
4113.00†	4087.58	-200.07	282.56	4040.71	4016.30	-232.12	-372.10	140.98	659.31	39.43	17.01	PASS	
4213.00†	4186.44	-208.78	294.86	4138.13	4112.87	-240.05	-382.23	141.14	681.79	40.58	17.08	PASS	
4313.00†	4285.30	-217.49	307.17	4235.55	4209.44	-247.98	-392.35	141.29	704.28	41.74	17.15	PASS	
4413.00†	4384.15	-226.20	319.47	4332.97	4306.01	-255.91	-402.48	141.44	726.77	42.89	17.21	PASS	
4513.00†	4483.01	-234.91	331.77	4430.39	4402.57	-263.84	-412.61	141.57	749.27	44.05	17.27	PASS	
4613.00†	4581.87	-243.63	344.07	4527.82	4499.14	-271.78	-422.73	141.70	771.77	45.21	17.33	PASS	
4713.00†	4680.73	-252.34	356.38	4625.24	4595.71	-279.71	-432.86	141.82	794.28	46.37	17.38	PASS	
4813.00†	4779.58	-261.05	368.68	4722.66	4692.28	-287.64	-442.99	141.93	816.78	47.53	17.43	PASS	
4913.00†	4878.44	-269.76	380.98	4820.08	4788.85	-295.57	-453.12	142.04	839.29	48.69	17.48	PASS	
5013.00†	4977.30	-278.47	393.29	4917.50	4885.42	-303.50	-463.24	142.14	861.81	49.85	17.52	PASS	
5113.00†	5076.16	-287.18	405.59	5014.93	4981.99	-311.43	-473.37	142.23	884.32	51.01	17.57	PASS	
5213.00†	5175.01	-295.89	417.89	5112.35	5078.56	-319.36	-483.50	142.32	906.84	52.17	17.61	PASS	
5313.00†	5273.87	-304.60	430.20	5209.77	5175.13	-327.29	-493.62	142.41	929.36	53.34	17.65	PASS	
5413.00†	5372.73	-313.32	442.50	5307.19	5271.70	-335.22	-503.75	142.49	951.88	54.50	17.68	PASS	
5513.00†	5471.58	-322.03	454.80	5404.61	5368.27	-343.15	-513.88	142.57	974.40	55.66	17.72	PASS	
5613.00†	5570.44	-330.74	467.10	5502.04	5464.83	-351.09	-524.00	142.65	996.93	56.83	17.75	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 77 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH PWB
Facility	SEC.19-T01S-R65W		

## 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	-46.15	0.00	-46.15
8.5in Open Hole	700.00	17552.06	16852.06	700.00	7422.00	0.00	-46.15	3005.49	-237.49

## 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 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 78 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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	75.71	90.00	75.71	1.40	124.84	PASS
113.00†	113.00	0.00	0.00	113.00	113.00	0.00	75.71	90.00	75.71	1.73	80.67	PASS
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	75.71	90.00	75.71	2.31	49.81	PASS
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	75.71	90.00	75.71	2.91	35.51	PASS
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	75.71	90.00	75.71	3.53	27.48	PASS
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	75.71	90.00	75.71	4.15	22.39	PASS
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	75.71	90.00	75.71	4.77	18.87	PASS
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	75.71	90.00	75.71	5.00	17.47	PASS
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	75.71	90.00	75.71	5.16	16.85	PASS
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	75.71	90.00	75.71	5.55	15.50	PASS
1013.00†	1013.00	0.00	0.00	1013.00	1013.00	0.00	75.71	90.00	75.71	6.11	13.88	PASS
1113.00†	1113.00	0.00	0.00	1112.67	1112.67	-0.01	75.73	90.01	75.73	6.80	12.31	PASS
1213.00†	1213.00	0.00	0.00	1210.12	1210.09	-0.50	77.76	90.37	77.82	7.68	11.06	PASS
1313.00†	1313.00	0.00	0.00	1307.31	1307.12	-1.78	82.99	91.23	83.22	8.85	10.13	PASS
1413.00†	1413.00	0.00	0.00	1404.02	1403.45	-3.82	91.36	92.39	91.94	9.99	9.83	PASS
1513.00†	1513.00	0.00	0.00	1500.04	1498.74	-6.60	102.80	93.68	103.99	11.09	9.95	PASS
1600.00	1600.00	0.00	0.00	1582.86	1580.58	-9.61	115.15	94.77	117.17	12.07	10.25	PASS
1613.00†	1613.00	-0.02	0.02	1595.17	1592.71	-10.11	117.18	-30.36	119.33	12.20	10.32	PASS
1713.00†	1712.97	-1.29	1.82	1689.58	1685.43	-14.32	134.44	-29.48	136.08	13.29	10.76	PASS
1813.00†	1812.80	-4.57	6.46	1783.44	1776.97	-19.21	154.53	-29.22	153.05	14.50	11.04	PASS
1913.00†	1912.38	-9.87	13.94	1876.74	1867.25	-24.78	177.38	-29.39	170.21	15.67	11.33	PASS
2013.00†	2011.57	-17.17	24.25	1969.47	1956.18	-31.01	202.92	-29.86	187.56	16.81	11.61	PASS
2033.52	2031.86	-18.92	26.72	1988.43	1974.25	-32.36	208.48	-29.99	191.14	17.02	11.67	PASS
2113.00†	2110.44	-25.84	36.50	2061.48	2043.53	-37.85	231.00	-30.54	206.04	17.86	11.97	PASS
2213.00†	2209.30	-34.55	48.80	2152.35	2128.84	-45.26	261.39	-31.02	227.56	18.78	12.55	PASS
2313.00†	2308.15	-43.27	61.10	2248.75	2218.69	-53.53	295.33	-31.36	250.94	19.78	13.12	PASS
2413.00†	2407.01	-51.98	73.41	2345.96	2309.29	-61.87	329.57	-31.65	274.34	20.82	13.61	PASS
2513.00†	2505.87	-60.69	85.71	2443.18	2399.89	-70.22	363.81	-31.89	297.76	21.88	14.03	PASS
2613.00†	2604.73	-69.40	98.01	2540.39	2490.50	-78.56	398.04	-32.09	321.17	22.97	14.40	PASS
2713.00†	2703.58	-78.11	110.32	2637.61	2581.10	-86.91	432.28	-32.27	344.59	24.08	14.72	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 79 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	2802.44	-86.82	122.62	2734.82	2671.70	-95.26	466.52	-32.43	368.01	25.21	14.99	PASS
2913.00†	2901.30	-95.53	134.92	2832.03	2762.30	-103.60	500.76	-32.56	391.44	26.35	15.24	PASS
3013.00†	3000.15	-104.24	147.23	2929.25	2852.90	-111.95	535.00	-32.69	414.87	27.51	15.45	PASS
3113.00†	3099.01	-112.96	159.53	3026.46	2943.50	-120.29	569.24	-32.79	438.29	28.69	15.64	PASS
3213.00†	3197.87	-121.67	171.83	3123.67	3034.10	-128.64	603.48	-32.89	461.72	29.87	15.81	PASS
3313.00†	3296.73	-130.38	184.13	3220.89	3124.70	-136.98	637.72	-32.98	485.15	31.06	15.96	PASS
3413.00†	3395.58	-139.09	196.44	3318.10	3215.30	-145.33	671.96	-33.06	508.59	32.26	16.09	PASS
3513.00†	3494.44	-147.80	208.74	3415.32	3305.90	-153.67	706.20	-33.13	532.02	33.47	16.22	PASS
3613.00†	3593.30	-156.51	221.04	3512.53	3396.51	-162.02	740.44	-33.20	555.45	34.69	16.32	PASS
3713.00†	3692.15	-165.22	233.35	3609.74	3487.11	-170.36	774.68	-33.26	578.89	35.91	16.42	PASS
3813.00†	3791.01	-173.93	245.65	3706.96	3577.71	-178.71	808.91	-33.31	602.32	37.14	16.51	PASS
3913.00†	3889.87	-182.65	257.95	3804.17	3668.31	-187.05	843.15	-33.37	625.75	38.38	16.59	PASS
4013.00†	3988.73	-191.36	270.26	3901.38	3758.91	-195.40	877.39	-33.42	649.19	39.62	16.67	PASS
4113.00†	4087.58	-200.07	282.56	3998.60	3849.51	-203.74	911.63	-33.46	672.63	40.86	16.74	PASS
4213.00†	4186.44	-208.78	294.86	4095.81	3940.11	-212.09	945.87	-33.50	696.06	42.10	16.80	PASS
4313.00†	4285.30	-217.49	307.17	4193.03	4030.71	-220.43	980.11	-33.54	719.50	43.35	16.85	PASS
4413.00†	4384.15	-226.20	319.47	4290.24	4121.31	-228.78	1014.35	-33.58	742.94	44.61	16.91	PASS
4513.00†	4483.01	-234.91	331.77	4387.45	4211.91	-237.12	1048.59	-33.61	766.37	45.86	16.96	PASS
4613.00†	4581.87	-243.63	344.07	4484.67	4302.52	-245.47	1082.83	-33.65	789.81	47.12	17.00	PASS
4713.00†	4680.73	-252.34	356.38	4581.88	4393.12	-253.81	1117.07	-33.67	813.25	48.38	17.04	PASS
4813.00†	4779.58	-261.05	368.68	4679.09	4483.72	-262.16	1151.31	-33.70	836.69	49.65	17.08	PASS
4913.00†	4878.44	-269.76	380.98	4776.31	4574.32	-270.51	1185.55	-33.73	860.12	50.91	17.12	PASS
5013.00†	4977.30	-278.47	393.29	4873.52	4664.92	-278.85	1219.79	-33.76	883.56	52.18	17.15	PASS
5113.00†	5076.16	-287.18	405.59	4970.73	4755.52	-287.20	1254.02	-33.78	907.00	53.45	17.18	PASS
5213.00†	5175.01	-295.89	417.89	5067.95	4846.12	-295.54	1288.26	-33.81	930.44	54.72	17.21	PASS
5313.00†	5273.87	-304.60	430.20	5165.16	4936.72	-303.89	1322.50	-33.83	953.88	55.99	17.24	PASS
5413.00†	5372.73	-313.32	442.50	5262.38	5027.32	-312.23	1356.74	-33.85	977.32	57.27	17.27	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 80 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH PWB
Facility	SEC.19-T01S-R65W		

## 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	46.15	0.00	46.15
8.5in Open Hole	700.00	17741.99	17041.99	700.00	7217.00	0.00	46.15	3022.17	696.25

## 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

## 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 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 81 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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	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	82.42	PASS
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	89.73	90.00	89.73	2.67	47.65	PASS
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	89.73	90.00	89.73	3.50	33.02	PASS
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	89.73	90.00	89.73	4.33	25.18	PASS
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	89.73	90.00	89.73	5.18	20.32	PASS
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	89.73	90.00	89.73	6.02	17.03	PASS
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	89.73	90.00	89.73	6.36	15.75	PASS
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	89.73	90.00	89.73	6.49	15.40	PASS
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	89.73	90.00	89.73	6.81	14.60	PASS
1013.00†	1013.00	0.00	0.00	1012.61	1012.61	-0.01	89.75	90.00	89.75	7.28	13.55	PASS
1113.00†	1113.00	0.00	0.00	1109.59	1109.57	-0.45	91.77	90.28	91.84	7.96	12.57	PASS
1213.00†	1213.00	0.00	0.00	1206.32	1206.14	-1.59	96.98	90.94	97.23	8.94	11.73	PASS
1313.00†	1313.00	0.00	0.00	1302.58	1302.02	-3.43	105.32	91.86	105.94	9.94	11.40	PASS
1413.00†	1413.00	0.00	0.00	1398.16	1396.88	-5.93	116.71	92.91	117.96	10.93	11.47	PASS
1513.00†	1513.00	0.00	0.00	1492.85	1490.43	-9.08	131.03	93.96	133.27	11.96	11.78	PASS
1600.00	1600.00	0.00	0.00	1574.37	1570.53	-12.32	145.77	94.83	149.23	12.81	12.27	PASS
1613.00†	1613.00	-0.02	0.02	1586.48	1582.39	-12.84	148.15	-30.33	151.80	12.94	12.35	PASS
1713.00†	1712.97	-1.29	1.82	1679.27	1672.92	-17.21	168.01	-29.58	171.69	13.97	12.90	PASS
1813.00†	1812.80	-4.57	6.46	1771.43	1762.14	-22.16	190.56	-29.34	191.75	15.11	13.27	PASS
1913.00†	1912.38	-9.87	13.94	1862.96	1849.96	-27.69	215.71	-29.45	211.95	16.21	13.62	PASS
2013.00†	2011.57	-17.17	24.25	1953.85	1936.32	-33.78	243.39	-29.82	232.29	17.35	13.92	PASS
2033.52	2031.86	-18.92	26.72	1972.42	1953.85	-35.09	249.37	-29.92	236.48	17.53	14.02	PASS
2113.00†	2110.44	-25.84	36.50	2043.93	2020.98	-40.38	273.45	-30.42	253.69	18.25	14.42	PASS
2213.00†	2209.30	-34.55	48.80	2135.63	2106.19	-47.65	306.53	-30.90	277.89	19.20	14.99	PASS
2313.00†	2308.15	-43.27	61.10	2232.47	2195.95	-55.46	342.04	-31.31	302.76	20.19	15.51	PASS
2413.00†	2407.01	-51.98	73.41	2329.31	2285.70	-63.26	377.55	-31.66	327.64	21.21	15.95	PASS
2513.00†	2505.87	-60.69	85.71	2426.15	2375.46	-71.07	413.06	-31.95	352.52	22.26	16.32	PASS
2613.00†	2604.73	-69.40	98.01	2522.98	2465.21	-78.87	448.57	-32.21	377.42	23.34	16.64	PASS
2713.00†	2703.58	-78.11	110.32	2619.82	2554.97	-86.68	484.08	-32.44	402.32	24.45	16.92	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 82 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	2802.44	-86.82	122.62	2716.66	2644.72	-94.48	519.59	-32.64	427.22	25.57	17.16	PASS
2913.00†	2901.30	-95.53	134.92	2813.50	2734.48	-102.29	555.10	-32.81	452.13	26.71	17.36	PASS
3013.00†	3000.15	-104.24	147.23	2910.34	2824.23	-110.09	590.61	-32.97	477.04	27.87	17.54	PASS
3113.00†	3099.01	-112.96	159.53	3007.18	2913.98	-117.90	626.12	-33.12	501.96	29.04	17.69	PASS
3213.00†	3197.87	-121.67	171.83	3104.02	3003.74	-125.70	661.63	-33.25	526.88	30.22	17.83	PASS
3313.00†	3296.73	-130.38	184.13	3200.86	3093.49	-133.51	697.14	-33.36	551.80	31.41	17.95	PASS
3413.00†	3395.58	-139.09	196.44	3297.70	3183.25	-141.31	732.65	-33.47	576.72	32.62	18.05	PASS
3513.00†	3494.44	-147.80	208.74	3394.53	3273.00	-149.12	768.16	-33.57	601.65	33.83	18.14	PASS
3613.00†	3593.30	-156.51	221.04	3491.37	3362.76	-156.92	803.67	-33.66	626.58	35.05	18.23	PASS
3713.00†	3692.15	-165.22	233.35	3588.21	3452.51	-164.73	839.18	-33.75	651.50	36.27	18.30	PASS
3813.00†	3791.01	-173.93	245.65	3685.05	3542.27	-172.53	874.68	-33.82	676.43	37.50	18.36	PASS
3913.00†	3889.87	-182.65	257.95	3781.89	3632.02	-180.34	910.19	-33.90	701.36	38.74	18.42	PASS
4013.00†	3988.73	-191.36	270.26	3878.73	3721.78	-188.14	945.70	-33.96	726.29	39.98	18.47	PASS
4113.00†	4087.58	-200.07	282.56	3975.57	3811.53	-195.95	981.21	-34.03	751.23	41.23	18.52	PASS
4213.00†	4186.44	-208.78	294.86	4072.41	3901.29	-203.75	1016.72	-34.09	776.16	42.48	18.56	PASS
4313.00†	4285.30	-217.49	307.17	4169.25	3991.04	-211.56	1052.23	-34.14	801.09	43.74	18.60	PASS
4413.00†	4384.15	-226.20	319.47	4266.08	4080.80	-219.36	1087.74	-34.19	826.03	45.00	18.64	PASS
4513.00†	4483.01	-234.91	331.77	4362.92	4170.55	-227.17	1123.25	-34.24	850.96	46.26	18.67	PASS
4613.00†	4581.87	-243.63	344.07	4459.76	4260.31	-234.97	1158.76	-34.29	875.90	47.52	18.69	PASS
4713.00†	4680.73	-252.34	356.38	4556.60	4350.06	-242.78	1194.27	-34.33	900.83	48.79	18.72	PASS
4813.00†	4779.58	-261.05	368.68	4653.44	4439.81	-250.58	1229.78	-34.37	925.77	50.06	18.74	PASS
4913.00†	4878.44	-269.76	380.98	4750.28	4529.57	-258.39	1265.29	-34.41	950.71	51.33	18.77	PASS
5013.00†	4977.30	-278.47	393.29	4847.12	4619.32	-266.19	1300.80	-34.45	975.64	52.61	18.78	PASS

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



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 83 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH PWB
Facility	SEC.19-T01S-R65W		

## 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	54.70	0.00	54.70
8.5in Open Hole	700.00	18031.05	17331.05	700.00	7447.00	0.00	54.70	3023.01	751.78

## 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

## 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 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 84 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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	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	1.73	110.85	PASS
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	103.74	90.00	103.74	2.31	68.45	PASS
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	103.74	90.00	103.74	2.91	48.79	PASS
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	103.74	90.00	103.74	3.53	37.77	PASS
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	103.74	90.00	103.74	4.15	30.76	PASS
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	103.74	90.00	103.74	4.77	25.93	PASS
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	103.74	90.00	103.74	5.00	24.01	PASS
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	103.74	90.00	103.74	5.16	23.15	PASS
913.00†	913.00	0.00	0.00	912.56	912.56	-0.01	103.77	90.00	103.77	5.55	21.31	PASS
1013.00†	1013.00	0.00	0.00	1009.08	1009.06	-0.43	105.78	90.23	105.85	6.23	19.03	PASS
1113.00†	1113.00	0.00	0.00	1105.36	1105.19	-1.53	110.94	90.79	111.23	7.32	16.72	PASS
1213.00†	1213.00	0.00	0.00	1201.18	1200.62	-3.30	119.21	91.58	119.90	8.40	15.50	PASS
1313.00†	1313.00	0.00	0.00	1296.32	1295.06	-5.71	130.51	92.50	131.86	9.47	14.97	PASS
1413.00†	1413.00	0.00	0.00	1390.60	1388.21	-8.74	144.73	93.46	147.10	10.54	14.89	PASS
1513.00†	1513.00	0.00	0.00	1483.81	1479.78	-12.36	161.72	94.37	165.56	11.56	15.19	PASS
1600.00	1600.00	0.00	0.00	1563.91	1557.98	-15.97	178.65	95.11	184.22	12.46	15.62	PASS
1613.00†	1613.00	-0.02	0.02	1575.80	1569.55	-16.54	181.34	-30.06	187.18	12.58	15.70	PASS
1713.00†	1712.97	-1.29	1.82	1666.85	1657.72	-21.27	203.53	-29.36	210.09	13.63	16.20	PASS
1813.00†	1812.80	-4.57	6.46	1757.21	1744.48	-26.54	228.24	-29.08	233.11	14.79	16.50	PASS
1913.00†	1912.38	-9.87	13.94	1846.89	1829.74	-32.33	255.40	-29.10	256.20	15.97	16.75	PASS
2013.00†	2011.57	-17.17	24.25	1935.88	1913.46	-38.62	284.92	-29.33	279.35	17.02	17.09	PASS
2033.52	2031.86	-18.92	26.72	1954.05	1930.43	-39.97	291.26	-29.41	284.11	17.22	17.16	PASS
2113.00†	2110.44	-25.84	36.50	2023.99	1995.38	-45.39	316.64	-29.83	303.49	17.98	17.53	PASS
2213.00†	2209.30	-34.55	48.80	2119.71	2083.72	-53.07	352.67	-30.30	329.32	18.94	18.02	PASS
2313.00†	2308.15	-43.27	61.10	2216.28	2172.85	-60.82	389.03	-30.70	355.18	19.95	18.42	PASS
2413.00†	2407.01	-51.98	73.41	2312.85	2261.97	-68.57	425.39	-31.05	381.06	21.00	18.75	PASS
2513.00†	2505.87	-60.69	85.71	2409.42	2351.10	-76.32	461.75	-31.36	406.94	22.07	19.02	PASS
2613.00†	2604.73	-69.40	98.01	2505.99	2440.23	-84.07	498.11	-31.63	432.84	23.17	19.24	PASS
2713.00†	2703.58	-78.11	110.32	2602.56	2529.36	-91.82	534.47	-31.87	458.75	24.29	19.42	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 85 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	2802.44	-86.82	122.62	2699.13	2618.48	-99.57	570.83	-32.08	484.66	25.43	19.58	PASS
2913.00†	2901.30	-95.53	134.92	2795.70	2707.61	-107.32	607.19	-32.27	510.58	26.59	19.70	PASS
3013.00†	3000.15	-104.24	147.23	2892.27	2796.74	-115.07	643.55	-32.44	536.50	27.76	19.81	PASS
3113.00†	3099.01	-112.96	159.53	2988.84	2885.86	-122.83	679.91	-32.60	562.43	28.94	19.90	PASS
3213.00†	3197.87	-121.67	171.83	3085.41	2974.99	-130.58	716.27	-32.74	588.36	30.13	19.97	PASS
3313.00†	3296.73	-130.38	184.13	3181.98	3064.12	-138.33	752.63	-32.87	614.29	31.34	20.03	PASS
3413.00†	3395.58	-139.09	196.44	3278.54	3153.24	-146.08	788.99	-32.99	640.23	32.55	20.08	PASS
3513.00†	3494.44	-147.80	208.74	3375.11	3242.37	-153.83	825.35	-33.11	666.17	33.77	20.13	PASS
3613.00†	3593.30	-156.51	221.04	3471.68	3331.50	-161.58	861.71	-33.21	692.11	35.00	20.16	PASS
3713.00†	3692.15	-165.22	233.35	3568.25	3420.62	-169.33	898.07	-33.30	718.05	36.23	20.19	PASS
3813.00†	3791.01	-173.93	245.65	3664.82	3509.75	-177.08	934.42	-33.39	744.00	37.47	20.22	PASS
3913.00†	3889.87	-182.65	257.95	3761.39	3598.88	-184.83	970.78	-33.48	769.94	38.72	20.24	PASS
4013.00†	3988.73	-191.36	270.26	3857.96	3688.00	-192.58	1007.14	-33.55	795.89	39.97	20.25	PASS
4113.00†	4087.58	-200.07	282.56	3954.53	3777.13	-200.34	1043.50	-33.63	821.84	41.23	20.27	PASS
4213.00†	4186.44	-208.78	294.86	4051.10	3866.26	-208.09	1079.86	-33.69	847.79	42.48	20.28	PASS
4313.00†	4285.30	-217.49	307.17	4147.67	3955.38	-215.84	1116.22	-33.76	873.74	43.75	20.28	PASS
4413.00†	4384.15	-226.20	319.47	4244.24	4044.51	-223.59	1152.58	-33.82	899.69	45.01	20.29	PASS
4513.00†	4483.01	-234.91	331.77	4340.81	4133.64	-231.34	1188.94	-33.87	925.64	46.28	20.30	PASS
4613.00†	4581.87	-243.63	344.07	4437.38	4222.77	-239.09	1225.30	-33.93	951.60	47.55	20.30	PASS
4713.00†	4680.73	-252.34	356.38	4533.95	4311.89	-246.84	1261.66	-33.98	977.55	48.83	20.30	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



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 86 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH PWB
Facility	SEC.19-T01S-R65W		

## 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	63.24	0.00	63.24
8.5in Open Hole	700.00	17978.29	17278.29	700.00	7367.00	0.00	63.24	3023.29	774.32

## 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

## 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 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 87 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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	1006.93	135.52	1437.16	50.40	28.96	PASS
113.00†	113.00	0.00	0.00	117.00	113.00	-1025.44	1006.93	135.52	1437.16	52.74	27.65	PASS
213.00†	213.00	0.00	0.00	217.00	213.00	-1025.44	1006.93	135.52	1437.16	55.08	26.46	PASS
313.00†	313.00	0.00	0.00	317.00	313.00	-1025.44	1006.93	135.52	1437.16	57.43	25.36	PASS
413.00†	413.00	0.00	0.00	417.00	413.00	-1025.44	1006.93	135.52	1437.16	59.78	24.35	PASS
513.00†	513.00	0.00	0.00	517.00	513.00	-1025.44	1006.93	135.52	1437.16	62.14	23.42	PASS
613.00†	613.00	0.00	0.00	617.00	613.00	-1025.44	1006.93	135.52	1437.16	64.49	22.55	PASS
713.00†	713.00	0.00	0.00	717.00	713.00	-1025.44	1006.93	135.52	1437.16	66.75	21.75	PASS
813.00†	813.00	0.00	0.00	817.00	813.00	-1025.44	1006.93	135.52	1437.16	69.09	21.01	PASS
913.00†	913.00	0.00	0.00	917.00	913.00	-1025.44	1006.93	135.52	1437.16	71.45	20.31	PASS
1013.00†	1013.00	0.00	0.00	1017.00	1013.00	-1025.44	1006.93	135.52	1437.16	73.81	19.65	PASS
1113.00†	1113.00	0.00	0.00	1117.00	1113.00	-1025.44	1006.93	135.52	1437.16	76.19	19.03	PASS
1213.00†	1213.00	0.00	0.00	1217.00	1213.00	-1025.44	1006.93	135.52	1437.16	78.57	18.45	PASS
1313.00†	1313.00	0.00	0.00	1317.00	1313.00	-1025.44	1006.93	135.52	1437.16	80.97	17.90	PASS
1413.00†	1413.00	0.00	0.00	1417.00	1413.00	-1025.44	1006.93	135.52	1437.16	83.38	17.38	PASS
1513.00†	1513.00	0.00	0.00	1517.00	1513.00	-1025.44	1006.93	135.52	1437.16	85.80	16.88	PASS
1600.00	1600.00	0.00	0.00	1604.00	1600.00	-1025.44	1006.93	135.52	1437.16	87.91	16.47	PASS
1613.00†	1613.00	-0.02	0.02	1617.00	1613.00	-1025.44	1006.93	10.22	1437.13	88.23	16.41	PASS
1713.00†	1712.97	-1.29	1.82	1716.97	1712.97	-1025.44	1006.93	10.25	1434.96	90.68	15.94	PASS
1813.00†	1812.80	-4.57	6.46	1816.80	1812.80	-1025.44	1006.93	10.31	1429.37	93.19	15.45	PASS
1913.00†	1912.38	-9.87	13.94	1916.38	1912.38	-1025.44	1006.93	10.40	1420.35	95.70	14.95	PASS
2013.00†	2011.57	-17.17	24.25	2015.57	2011.57	-1025.44	1006.93	10.54	1407.92	98.21	14.43	PASS
2033.52	2031.86	-18.92	26.72	2035.86	2031.86	-1025.44	1006.93	10.58	1404.95	98.72	14.33	PASS
2113.00†	2110.44	-25.84	36.50	2114.44	2110.44	-1025.44	1006.93	10.67	1393.17	100.67	13.93	PASS
2213.00†	2209.30	-34.55	48.80	2213.30	2209.30	-1025.44	1006.93	10.78	1378.35	103.13	13.45	PASS
2313.00†	2308.15	-43.27	61.10	2312.15	2308.15	-1025.44	1006.93	10.90	1363.54	105.61	12.99	PASS
2413.00†	2407.01	-51.98	73.41	2411.01	2407.01	-1025.44	1006.93	11.02	1348.73	108.09	12.55	PASS
2513.00†	2505.87	-60.69	85.71	2509.87	2505.87	-1025.44	1006.93	11.15	1333.93	110.59	12.13	PASS
2613.00†	2604.73	-69.40	98.01	2608.73	2604.73	-1025.44	1006.93	11.27	1319.14	113.10	11.73	PASS
2713.00†	2703.58	-78.11	110.32	2707.58	2703.58	-1025.44	1006.93	11.40	1304.35	115.61	11.35	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 88 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	2802.44	-86.82	122.62	2806.44	2802.44	-1025.44	1006.93	11.53	1289.57	118.14	10.98	PASS
2913.00†	2901.30	-95.53	134.92	2905.30	2901.30	-1025.44	1006.93	11.67	1274.80	120.67	10.62	PASS
3013.00†	3000.15	-104.24	147.23	3004.15	3000.15	-1025.44	1006.93	11.81	1260.03	123.22	10.28	PASS
3113.00†	3099.01	-112.96	159.53	3103.01	3099.01	-1025.44	1006.93	11.95	1245.27	125.77	9.95	PASS
3213.00†	3197.87	-121.67	171.83	3201.87	3197.87	-1025.44	1006.93	12.10	1230.52	128.33	9.64	PASS
3313.00†	3296.73	-130.38	184.13	3300.73	3296.73	-1025.44	1006.93	12.24	1215.78	130.90	9.33	PASS
3413.00†	3395.58	-139.09	196.44	3399.58	3395.58	-1025.44	1006.93	12.40	1201.04	133.48	9.04	PASS
3513.00†	3494.44	-147.80	208.74	3498.44	3494.44	-1025.44	1006.93	12.55	1186.32	136.07	8.76	PASS
3613.00†	3593.30	-156.51	221.04	3597.30	3593.30	-1025.44	1006.93	12.71	1171.60	138.66	8.49	PASS
3713.00†	3692.15	-165.22	233.35	3696.15	3692.15	-1025.44	1006.93	12.88	1156.89	141.27	8.23	PASS
3813.00†	3791.01	-173.93	245.65	3795.01	3791.01	-1025.44	1006.93	13.05	1142.19	143.88	7.97	PASS
3913.00†	3889.87	-182.65	257.95	3893.87	3889.87	-1025.44	1006.93	13.22	1127.50	146.50	7.73	PASS
4013.00†	3988.73	-191.36	270.26	3992.73	3988.73	-1025.44	1006.93	13.40	1112.82	149.12	7.49	PASS
4113.00†	4087.58	-200.07	282.56	4091.58	4087.58	-1025.44	1006.93	13.58	1098.15	151.76	7.27	PASS
4213.00†	4186.44	-208.78	294.86	4190.44	4186.44	-1025.44	1006.93	13.77	1083.50	154.40	7.05	PASS
4313.00†	4285.30	-217.49	307.17	4289.30	4285.30	-1025.44	1006.93	13.96	1068.85	157.04	6.83	PASS
4413.00†	4384.15	-226.20	319.47	4388.15	4384.15	-1025.44	1006.93	14.15	1054.22	159.70	6.63	PASS
4513.00†	4483.01	-234.91	331.77	4487.01	4483.01	-1025.44	1006.93	14.36	1039.60	162.36	6.43	PASS
4613.00†	4581.87	-243.63	344.07	4585.87	4581.87	-1025.44	1006.93	14.57	1024.99	165.03	6.23	PASS
4713.00†	4680.73	-252.34	356.38	4684.73	4680.73	-1025.44	1006.93	14.78	1010.39	167.70	6.05	PASS
4813.00†	4779.58	-261.05	368.68	4783.58	4779.58	-1025.44	1006.93	15.00	995.82	170.38	5.86	PASS
4913.00†	4878.44	-269.76	380.98	4882.44	4878.44	-1025.44	1006.93	15.23	981.25	173.06	5.69	PASS
5013.00†	4977.30	-278.47	393.29	4981.30	4977.30	-1025.44	1006.93	15.46	966.70	175.76	5.52	PASS
5113.00†	5076.16	-287.18	405.59	5080.16	5076.16	-1025.44	1006.93	15.71	952.17	178.45	5.35	PASS
5213.00†	5175.01	-295.89	417.89	5179.01	5175.01	-1025.44	1006.93	15.96	937.65	181.16	5.19	PASS
5313.00†	5273.87	-304.60	430.20	5277.87	5273.87	-1025.44	1006.93	16.21	923.16	183.86	5.04	PASS
5413.00†	5372.73	-313.32	442.50	5376.73	5372.73	-1025.44	1006.93	16.48	908.68	186.58	4.88	PASS
5513.00†	5471.58	-322.03	454.80	5475.58	5471.58	-1025.44	1006.93	16.75	894.22	189.30	4.74	PASS
5613.00†	5570.44	-330.74	467.10	5574.44	5570.44	-1025.44	1006.93	17.03	879.78	192.02	4.59	PASS
5713.00†	5669.30	-339.45	479.41	5673.30	5669.30	-1025.44	1006.93	17.33	865.36	194.75	4.46	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 89 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH PWB
Facility	SEC.19-T01S-R65W		

## CLEARANCE DATA - Offset Wellbore: ROSENBRICK 31-30 AWB Offset Wellpath: ROSENBRICK 31-30 AWP

Facility: SEC.30-T1S-R65W Slot: SLOT#02 EX ROSENBRICK 31-30 (662'FNL & 1987'FEL, SEC.30, PR,8215) Well: ROSENBRICK 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†	5768.16	-348.16	491.71	5772.16	5768.16	-1025.44	1006.93	17.63	850.97	197.49	4.32	PASS
5913.00†	5867.01	-356.87	504.01	5871.01	5867.01	-1025.44	1006.93	17.94	836.60	200.23	4.19	PASS
6013.00†	5965.87	-365.58	516.32	5969.87	5965.87	-1025.44	1006.93	18.26	822.26	202.98	4.06	PASS
6113.00†	6064.73	-374.30	528.62	6068.73	6064.73	-1025.44	1006.93	18.60	807.94	205.73	3.94	PASS
6213.00†	6163.58	-383.01	540.92	6167.58	6163.58	-1025.44	1006.93	18.94	793.65	208.49	3.82	PASS
6313.00†	6262.44	-391.72	553.23	6266.44	6262.44	-1025.44	1006.93	19.30	779.39	211.26	3.70	PASS
6413.00†	6361.30	-400.43	565.53	6365.30	6361.30	-1025.44	1006.93	19.68	765.16	214.03	3.58	PASS
6513.00†	6460.16	-409.14	577.83	6464.16	6460.16	-1025.44	1006.93	20.06	750.96	216.80	3.47	PASS
6613.00†	6559.01	-417.85	590.14	6563.01	6559.01	-1025.44	1006.93	20.47	736.80	219.58	3.36	PASS
6713.00†	6657.87	-426.56	602.44	6661.87	6657.87	-1025.44	1006.93	20.88	722.68	222.37	3.26	PASS
6813.00†	6756.73	-435.27	614.74	6760.73	6756.73	-1025.44	1006.93	21.32	708.59	225.16	3.15	PASS
6913.00†	6855.59	-443.99	627.04	6859.59	6855.59	-1025.44	1006.93	21.77	694.55	227.96	3.05	PASS
7013.00†	6954.44	-452.70	639.35	6958.44	6954.44	-1025.44	1006.93	22.24	680.55	230.77	2.96	PASS
7103.69	7044.09	-460.60	650.50	7048.09	7044.09	-1025.44	1006.93	22.68	667.89	233.32	2.87	PASS
7113.00†	7053.31	-461.33	651.65	7057.31	7053.31	-1025.44	1006.93	28.12	666.66	233.58	2.86	PASS
7197.83†	7137.41	-461.07	662.14	7142.40	7138.40	-1025.44	1006.93	90.52	661.35	236.33	2.80	PASS
7213.00†	7152.40	-459.71	664.01	7156.40	7152.40	-1025.44	1006.93	98.64	661.55	236.75	2.80	PASS
7269.36†	7207.65	-451.13	670.92	7211.64	7207.64	-1025.44	1006.93	117.75	665.38	239.01	2.79	PASS
7313.00†	7249.70	-440.76	676.19	7253.70	7249.70	-1025.44	1006.93	125.67	671.74	240.75	2.80	PASS
7413.00†	7342.25	-405.08	687.82	7346.25	7342.25	-1025.44	1006.93	135.11	697.62	244.56	2.86	PASS
7513.00†	7427.25	-353.74	698.55	7431.25	7427.25	-1025.44	1006.93	139.46	739.10	247.94	2.99	PASS
7613.00†	7502.10	-288.31	708.05	7506.10	7502.10	-1025.44	1006.93	141.17	795.42	250.92	3.18	PASS
7713.00†	7564.53	-210.76	716.03	7568.53	7564.53	-1025.44	1006.93	140.54	865.05	253.42	3.42	PASS
7813.00†	7612.65	-123.47	722.25	7616.65	7612.65	-1025.44	1006.93	136.76	945.83	255.37	3.71	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 90 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH PWB
Facility	SEC.19-T01S-R65W		

## 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

## 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 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 91 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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	-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	1.73	95.89	PASS
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-89.73	-90.00	89.73	2.30	59.22	PASS
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-89.73	-90.00	89.73	2.91	42.21	PASS
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-89.73	-90.00	89.73	3.52	32.66	PASS
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-89.73	-90.00	89.73	4.15	26.60	PASS
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-89.73	-90.00	89.73	4.77	22.42	PASS
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-89.73	-90.00	89.73	5.00	20.76	PASS
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	-89.73	-90.00	89.73	5.16	20.02	PASS
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	-89.73	-90.00	89.73	5.54	18.41	PASS
1013.00†	1013.00	0.00	0.00	1012.65	1012.65	-0.01	-89.75	-90.01	89.75	6.11	16.49	PASS
1113.00†	1113.00	0.00	0.00	1109.88	1109.85	-0.96	-91.60	-90.60	91.66	6.89	14.71	PASS
1213.00†	1213.00	0.00	0.00	1206.86	1206.68	-3.39	-96.37	-92.02	96.64	7.99	13.18	PASS
1313.00†	1313.00	0.00	0.00	1303.37	1302.80	-7.29	-104.02	-94.01	104.77	9.09	12.42	PASS
1413.00†	1413.00	0.00	0.00	1399.19	1397.90	-12.62	-114.46	-96.29	116.14	10.21	12.14	PASS
1513.00†	1513.00	0.00	0.00	1494.12	1491.67	-19.32	-127.59	-98.61	130.79	11.28	12.31	PASS
1600.00	1600.00	0.00	0.00	1578.98	1575.19	-26.14	-140.97	-100.51	145.50	12.08	12.73	PASS
1613.00†	1613.00	-0.02	0.02	1591.77	1587.78	-27.18	-142.99	133.91	147.74	12.20	12.80	PASS
1713.00†	1712.97	-1.29	1.82	1689.97	1684.42	-35.10	-158.53	132.48	166.34	13.12	13.34	PASS
1813.00†	1812.80	-4.57	6.46	1787.75	1780.64	-43.00	-174.00	132.05	187.28	14.15	13.88	PASS
1913.00†	1912.38	-9.87	13.94	1884.98	1876.33	-50.84	-189.38	132.33	210.52	15.20	14.48	PASS
2013.00†	2011.57	-17.17	24.25	1981.56	1971.37	-58.64	-204.66	133.09	236.09	16.29	15.11	PASS
2033.52	2031.86	-18.92	26.72	2001.28	1990.78	-60.23	-207.78	133.29	241.63	16.49	15.27	PASS
2113.00†	2110.44	-25.84	36.50	2077.61	2065.90	-66.39	-219.86	134.31	263.34	17.26	15.86	PASS
2213.00†	2209.30	-34.55	48.80	2173.66	2160.42	-74.15	-235.05	135.39	290.74	18.28	16.51	PASS
2313.00†	2308.15	-43.27	61.10	2269.70	2254.93	-81.90	-250.25	136.28	318.22	19.31	17.07	PASS
2413.00†	2407.01	-51.98	73.41	2365.74	2349.45	-89.65	-265.44	137.03	345.76	20.36	17.55	PASS
2513.00†	2505.87	-60.69	85.71	2461.78	2443.96	-97.40	-280.64	137.67	373.35	21.43	17.98	PASS
2613.00†	2604.73	-69.40	98.01	2557.83	2538.48	-105.16	-295.83	138.22	400.97	22.50	18.36	PASS
2713.00†	2703.58	-78.11	110.32	2653.87	2632.99	-112.91	-311.02	138.70	428.63	23.59	18.70	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 92 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	2802.44	-86.82	122.62	2749.91	2727.51	-120.66	-326.22	139.12	456.31	24.69	19.00	PASS
2913.00†	2901.30	-95.53	134.92	2845.95	2822.02	-128.41	-341.41	139.49	484.01	25.79	19.27	PASS
3013.00†	3000.15	-104.24	147.23	2941.99	2916.54	-136.17	-356.61	139.82	511.72	26.90	19.51	PASS
3113.00†	3099.01	-112.96	159.53	3038.04	3011.05	-143.92	-371.80	140.12	539.45	28.01	19.73	PASS
3213.00†	3197.87	-121.67	171.83	3134.08	3105.57	-151.67	-387.00	140.39	567.20	29.13	19.93	PASS
3313.00†	3296.73	-130.38	184.13	3230.12	3200.08	-159.42	-402.19	140.64	594.95	30.26	20.11	PASS
3413.00†	3395.58	-139.09	196.44	3326.16	3294.60	-167.18	-417.39	140.86	622.71	31.38	20.28	PASS
3513.00†	3494.44	-147.80	208.74	3422.20	3389.11	-174.93	-432.58	141.06	650.48	32.52	20.43	PASS
3613.00†	3593.30	-156.51	221.04	3518.25	3483.63	-182.68	-447.78	141.25	678.26	33.65	20.57	PASS
3713.00†	3692.15	-165.22	233.35	3614.29	3578.14	-190.43	-462.97	141.42	706.04	34.79	20.70	PASS
3813.00†	3791.01	-173.93	245.65	3710.33	3672.66	-198.19	-478.17	141.58	733.83	35.93	20.81	PASS
3913.00†	3889.87	-182.65	257.95	3806.37	3767.17	-205.94	-493.36	141.73	761.62	37.07	20.92	PASS
4013.00†	3988.73	-191.36	270.26	3902.42	3861.69	-213.69	-508.56	141.86	789.42	38.22	21.03	PASS
4113.00†	4087.58	-200.07	282.56	3998.46	3956.20	-221.44	-523.75	141.99	817.22	39.37	21.12	PASS
4213.00†	4186.44	-208.78	294.86	4094.50	4050.72	-229.20	-538.95	142.11	845.03	40.51	21.21	PASS
4313.00†	4285.30	-217.49	307.17	4190.54	4145.23	-236.95	-554.14	142.22	872.84	41.67	21.29	PASS
4413.00†	4384.15	-226.20	319.47	4286.58	4239.75	-244.70	-569.34	142.33	900.65	42.82	21.37	PASS
4513.00†	4483.01	-234.91	331.77	4382.63	4334.26	-252.45	-584.53	142.43	928.46	43.97	21.44	PASS
4613.00†	4581.87	-243.63	344.07	4478.67	4428.78	-260.20	-599.72	142.52	956.28	45.13	21.51	PASS
4713.00†	4680.73	-252.34	356.38	4574.71	4523.29	-267.96	-614.92	142.61	984.10	46.28	21.58	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



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 93 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH PWB
Facility	SEC.19-T01S-R65W		

## 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	-54.70	0.00	-54.70
8.5in Open Hole	700.00	17659.70	16959.70	700.00	7492.00	0.00	-54.70	3003.27	-352.82

## 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

## 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 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 94 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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	-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	1.73	110.89	PASS
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-103.74	-90.00	103.74	2.31	68.48	PASS
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-103.74	-90.00	103.74	2.91	48.81	PASS
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-103.74	-90.00	103.74	3.53	37.78	PASS
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-103.74	-90.00	103.74	4.15	30.77	PASS
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-103.74	-90.00	103.74	4.77	25.94	PASS
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-103.74	-90.00	103.74	5.00	24.01	PASS
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	-103.74	-90.00	103.74	5.16	23.15	PASS
913.00†	913.00	0.00	0.00	912.56	912.56	-0.01	-103.77	-90.00	103.77	5.54	21.31	PASS
1013.00†	1013.00	0.00	0.00	1009.16	1009.13	-0.59	-105.74	-90.32	105.81	6.23	19.04	PASS
1113.00†	1113.00	0.00	0.00	1105.50	1105.33	-2.11	-110.80	-91.09	111.09	7.30	16.74	PASS
1213.00†	1213.00	0.00	0.00	1201.39	1200.83	-4.53	-118.92	-92.18	119.63	8.38	15.51	PASS
1313.00†	1313.00	0.00	0.00	1296.60	1295.33	-7.85	-130.01	-93.45	131.44	9.45	14.96	PASS
1413.00†	1413.00	0.00	0.00	1390.93	1388.53	-12.01	-143.95	-94.77	146.51	10.52	14.86	PASS
1513.00†	1513.00	0.00	0.00	1484.21	1480.17	-16.99	-160.62	-96.04	164.82	11.54	15.16	PASS
1600.00	1600.00	0.00	0.00	1567.95	1562.05	-22.01	-177.42	-97.07	182.76	12.33	15.66	PASS
1613.00†	1613.00	-0.02	0.02	1580.65	1574.47	-22.78	-179.98	137.46	185.48	12.44	15.75	PASS
1713.00†	1712.97	-1.29	1.82	1678.10	1669.73	-28.65	-199.63	136.61	207.85	13.35	16.39	PASS
1813.00†	1812.80	-4.57	6.46	1774.96	1764.42	-34.48	-219.16	136.45	232.68	14.35	17.01	PASS
1913.00†	1912.38	-9.87	13.94	1871.11	1858.43	-40.27	-238.55	136.75	259.97	15.43	17.61	PASS
2013.00†	2011.57	-17.17	24.25	1966.44	1951.62	-46.02	-257.77	137.38	289.77	16.46	18.35	PASS
2033.52	2031.86	-18.92	26.72	1985.89	1970.63	-47.19	-261.69	137.54	296.19	16.67	18.51	PASS
2113.00†	2110.44	-25.84	36.50	2061.15	2044.21	-51.72	-276.87	138.44	321.33	17.44	19.16	PASS
2213.00†	2209.30	-34.55	48.80	2155.84	2136.78	-57.42	-295.96	139.39	353.05	18.42	19.89	PASS
2313.00†	2308.15	-43.27	61.10	2250.52	2229.34	-63.13	-315.06	140.19	384.84	19.43	20.52	PASS
2413.00†	2407.01	-51.98	73.41	2345.21	2321.91	-68.83	-334.15	140.87	416.69	20.45	21.07	PASS
2513.00†	2505.87	-60.69	85.71	2439.90	2414.48	-74.54	-353.24	141.45	448.58	21.49	21.55	PASS
2613.00†	2604.73	-69.40	98.01	2534.59	2507.04	-80.24	-372.34	141.95	480.51	22.54	21.98	PASS
2713.00†	2703.58	-78.11	110.32	2629.27	2599.61	-85.94	-391.43	142.39	512.46	23.60	22.36	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 95 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	2802.44	-86.82	122.62	2723.96	2692.18	-91.65	-410.52	142.78	544.44	24.67	22.69	PASS
2913.00†	2901.30	-95.53	134.92	2818.65	2784.74	-97.35	-429.61	143.12	576.45	25.75	23.00	PASS
3013.00†	3000.15	-104.24	147.23	2913.34	2877.31	-103.06	-448.71	143.43	608.46	26.83	23.27	PASS
3113.00†	3099.01	-112.96	159.53	3008.02	2969.88	-108.76	-467.80	143.71	640.50	27.92	23.51	PASS
3213.00†	3197.87	-121.67	171.83	3102.71	3062.44	-114.46	-486.89	143.96	672.54	29.02	23.73	PASS
3313.00†	3296.73	-130.38	184.13	3197.40	3155.01	-120.17	-505.99	144.19	704.59	30.12	23.93	PASS
3413.00†	3395.58	-139.09	196.44	3292.08	3247.58	-125.87	-525.08	144.40	736.66	31.22	24.12	PASS
3513.00†	3494.44	-147.80	208.74	3386.77	3340.14	-131.58	-544.17	144.59	768.73	32.33	24.29	PASS
3613.00†	3593.30	-156.51	221.04	3481.46	3432.71	-137.28	-563.26	144.77	800.81	33.45	24.44	PASS
3713.00†	3692.15	-165.22	233.35	3576.15	3525.28	-142.98	-582.36	144.93	832.90	34.56	24.58	PASS
3813.00†	3791.01	-173.93	245.65	3670.83	3617.84	-148.69	-601.45	145.08	864.99	35.68	24.71	PASS
3913.00†	3889.87	-182.65	257.95	3765.52	3710.41	-154.39	-620.54	145.22	897.08	36.80	24.83	PASS
4013.00†	3988.73	-191.36	270.26	3860.21	3802.98	-160.10	-639.64	145.35	929.18	37.93	24.95	PASS
4113.00†	4087.58	-200.07	282.56	3954.90	3895.54	-165.80	-658.73	145.48	961.29	39.05	25.05	PASS
4213.00†	4186.44	-208.78	294.86	4049.58	3988.11	-171.50	-677.82	145.59	993.40	40.18	25.15	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	-63.24	0.00	-63.24
8.5in Open Hole	700.00	17349.29	16649.29	700.00	N/A	0.00	-63.24	N/A	N/A



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 96 of 104



REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH PWB
Facility	SEC.19-T01S-R65W		

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

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 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 97 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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	-120.57	-90.00	120.57	1.40	199.61	PASS	
113.00†	113.00	0.00	0.00	113.00	113.00	0.00	-120.57	-90.00	120.57	1.73	129.07	PASS	
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-120.57	-90.00	120.57	2.30	79.70	PASS	
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-120.57	-90.00	120.57	2.91	56.81	PASS	
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-120.57	-90.00	120.57	3.53	43.97	PASS	
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-120.57	-90.00	120.57	4.15	35.81	PASS	
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-120.57	-90.00	120.57	4.77	30.19	PASS	
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-120.57	-90.00	120.57	5.00	27.94	PASS	
813.00†	813.00	0.00	0.00	812.51	812.51	-0.01	-120.59	-90.00	120.59	5.16	26.96	PASS	
913.00†	913.00	0.00	0.00	908.67	908.65	-0.74	-122.49	-90.34	122.57	5.67	24.55	PASS	
1013.00†	1013.00	0.00	0.00	1004.59	1004.42	-2.61	-127.39	-91.17	127.71	6.64	21.41	PASS	
1113.00†	1113.00	0.00	0.00	1100.06	1099.51	-5.60	-135.23	-92.37	136.02	7.65	19.51	PASS	
1213.00†	1213.00	0.00	0.00	1194.86	1193.61	-9.69	-145.95	-93.80	147.55	8.67	18.45	PASS	
1313.00†	1313.00	0.00	0.00	1288.79	1286.43	-14.84	-159.43	-95.32	162.31	9.73	17.92	PASS	
1413.00†	1413.00	0.00	0.00	1381.68	1377.69	-21.00	-175.55	-96.82	180.29	10.74	17.91	PASS	
1513.00†	1513.00	0.00	0.00	1477.47	1471.33	-28.20	-194.40	-98.25	200.80	11.63	18.32	PASS	
1600.00	1600.00	0.00	0.00	1562.48	1554.40	-34.64	-211.27	-99.31	218.89	12.36	18.72	PASS	
1613.00†	1613.00	-0.02	0.02	1575.18	1566.81	-35.61	-213.79	135.21	221.62	12.48	18.77	PASS	
1713.00†	1712.97	-1.29	1.82	1672.61	1662.02	-42.99	-233.13	134.26	244.00	13.39	19.19	PASS	
1813.00†	1812.80	-4.57	6.46	1769.49	1756.69	-50.34	-252.36	133.94	268.75	14.46	19.49	PASS	
1913.00†	1912.38	-9.87	13.94	1865.71	1850.71	-57.63	-271.45	134.07	295.86	15.46	20.01	PASS	
2013.00†	2011.57	-17.17	24.25	1961.14	1943.96	-64.87	-290.39	134.53	325.34	16.51	20.54	PASS	
2033.52	2031.86	-18.92	26.72	1980.62	1962.99	-66.34	-294.26	134.65	331.69	16.72	20.67	PASS	
2113.00†	2110.44	-25.84	36.50	2055.98	2036.64	-72.06	-309.22	135.47	356.51	17.50	21.18	PASS	
2213.00†	2209.30	-34.55	48.80	2150.80	2129.29	-79.25	-328.03	136.34	387.82	18.51	21.75	PASS	
2313.00†	2308.15	-43.27	61.10	2245.62	2221.94	-86.43	-346.85	137.09	419.20	19.53	22.23	PASS	
2413.00†	2407.01	-51.98	73.41	2340.44	2314.60	-93.62	-365.67	137.73	450.63	20.57	22.65	PASS	
2513.00†	2505.87	-60.69	85.71	2435.26	2407.25	-100.81	-384.49	138.29	482.10	21.63	23.01	PASS	
2613.00†	2604.73	-69.40	98.01	2530.08	2499.91	-108.00	-403.31	138.78	513.62	22.69	23.33	PASS	
2713.00†	2703.58	-78.11	110.32	2624.90	2592.56	-115.19	-422.13	139.21	545.16	23.77	23.61	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 98 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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†	2802.44	-86.82	122.62	2719.71	2685.22	-122.38	-440.95	139.60	576.73	24.86	23.85	PASS
2913.00†	2901.30	-95.53	134.92	2814.53	2777.87	-129.56	-459.77	139.94	608.32	25.95	24.07	PASS
3013.00†	3000.15	-104.24	147.23	2909.35	2870.52	-136.75	-478.59	140.25	639.92	27.06	24.26	PASS
3113.00†	3099.01	-112.96	159.53	3004.17	2963.18	-143.94	-497.41	140.54	671.55	28.17	24.43	PASS
3213.00†	3197.87	-121.67	171.83	3098.99	3055.83	-151.13	-516.22	140.79	703.18	29.28	24.59	PASS
3313.00†	3296.73	-130.38	184.13	3193.81	3148.49	-158.32	-535.04	141.03	734.83	30.40	24.73	PASS
3413.00†	3395.58	-139.09	196.44	3288.63	3241.14	-165.50	-553.86	141.24	766.49	31.52	24.85	PASS
3513.00†	3494.44	-147.80	208.74	3383.45	3333.79	-172.69	-572.68	141.44	798.15	32.65	24.97	PASS
3613.00†	3593.30	-156.51	221.04	3478.27	3426.45	-179.88	-591.50	141.63	829.83	33.78	25.07	PASS
3713.00†	3692.15	-165.22	233.35	3573.08	3519.10	-187.07	-610.32	141.80	861.51	34.91	25.17	PASS
3813.00†	3791.01	-173.93	245.65	3667.90	3611.76	-194.26	-629.14	141.95	893.20	36.05	25.25	PASS
3913.00†	3889.87	-182.65	257.95	3762.72	3704.41	-201.45	-647.96	142.10	924.89	37.19	25.33	PASS
4013.00†	3988.73	-191.36	270.26	3857.54	3797.07	-208.63	-666.78	142.24	956.59	38.33	25.41	PASS
4113.00†	4087.58	-200.07	282.56	3952.36	3889.72	-215.82	-685.60	142.37	988.29	39.47	25.48	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	-73.50	0.00	-73.50
8.5in Open Hole	700.00	17868.37	17168.37	700.00	N/A	0.00	-73.50	N/A	N/A



# Clearance Report

CONNER 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 99 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH PWB
Facility	SEC.19-T01S-R65W		

## 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

## 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 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 100 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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	9770.13	-1449.05	-8.44	9877.26	25.40	401.46	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 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 101 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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	-971.60	-9.32	6002.52	25.40	243.96	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 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 102 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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	6764.97	3338.55	26.27		7543.95	25.40	306.61	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 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 103 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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	-983.01	-43.64		1424.48	1.10	4745.60	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 19-18-3CDH PWP (REV-A.0)  
Closest Approach  
Page 104 of 104



## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-3CDH 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	5693.92	-2894.65	-26.95	6387.56	25.40	259.61	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