

PETROSHARE

Location: COLORADO Slot: SLOT#15 CONNER 19-18-4NCH (350°FSL & 2005°FWL, SEC.19)
Field: ADAMS COUNTY (NAD83/ TRUE NORTH) Well: CONNER 19-18-4NCH
Facility: SEC.19-T01S-R65W Wellbore: CONNER 19-18-4NCH PWB

Plot reference wellpath is CONNER 19-18-4NCH 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#15 CONNER 19-18-4NCH (350°FSL & 2005°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_Delft

Location Information

Facility Name				Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
SEC.19-T01S-R65W				322209.380	122355.333	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#15 CONNER 19-18-4NCH (350°FSL & 2005°FWL, SEC.19)	0.00	210.29		3222219.658	1223557.211	39°56'39.552"N	104°42'26.748"W
RIG (5142'GL + 13'KB) (RKB) to Mud line (At Slot: SLOT#15 CONNER 19-18-4NCH (350°FSL & 2005°FWL, SEC.19))				5155ft			
Mean Sea Level to Mud line (At Slot: SLOT#15 CONNER 19-18-4NCH (350°FSL & 2005°FWL, SEC.19))				0ft			
RIG (5142'GL + 13'KB) (RKB) to Mean Sea Level				5155ft			

Well Profile Data

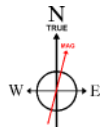
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	13.00	0.000	102.397	13.00	0.00	0.00	0.00	0.00
End of Tangent	1000.00	0.000	102.397	1000.00	0.00	0.00	0.00	0.00
End of Build	2102.58	22.052	102.397	2075.56	-44.99	204.69	2.00	2.15
End of Tangent	7275.88	22.052	102.397	6870.41	-461.95	2101.68	0.00	22.11
End of 3D Arc	8222.97	90.000	359.765	7447.00	110.00	2327.24	10.00	630.12
End of Tangent	18031.05	90.000	359.765	7447.00	9918.00	2287.09	0.00	10178.29

Survey Program

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

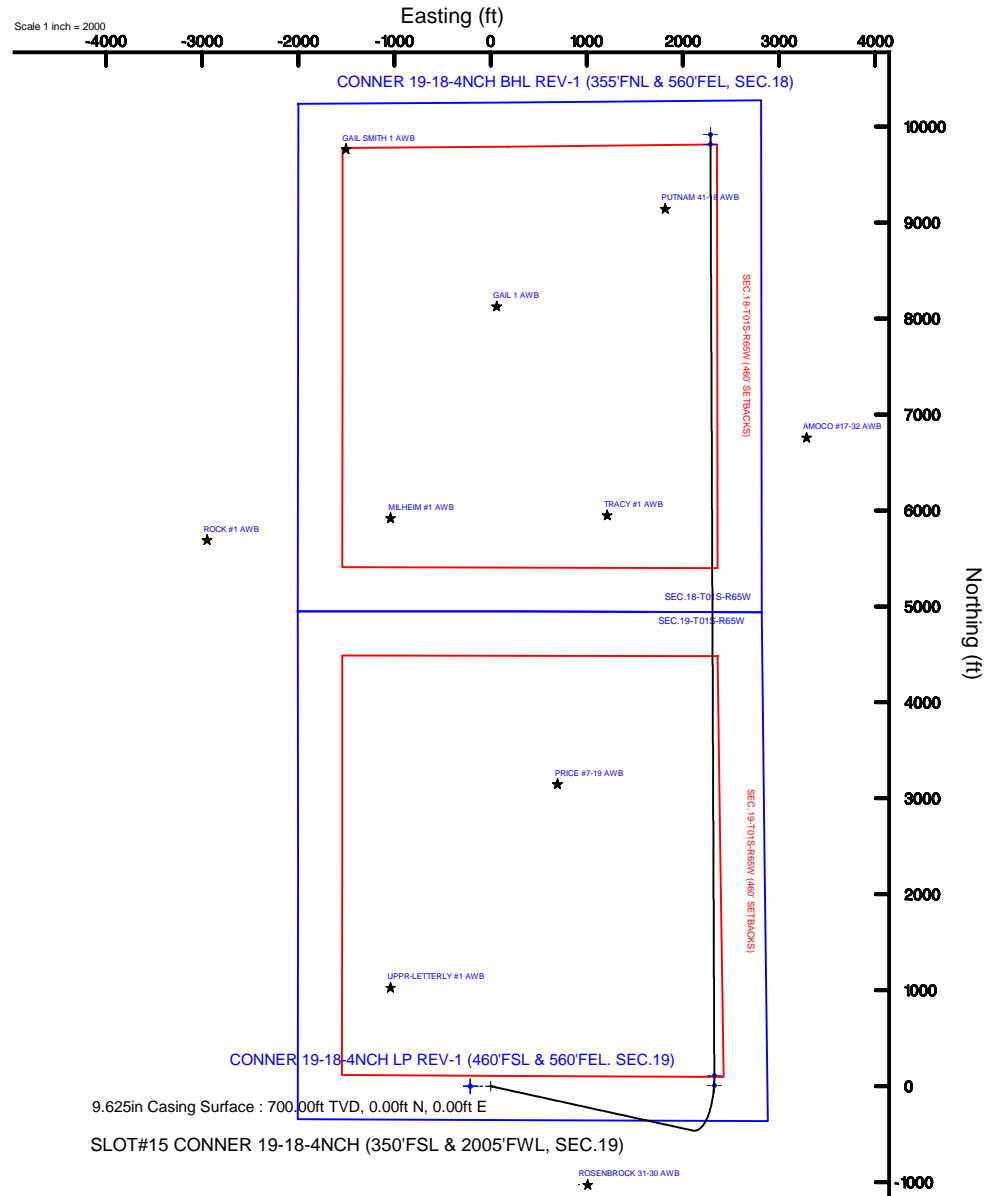
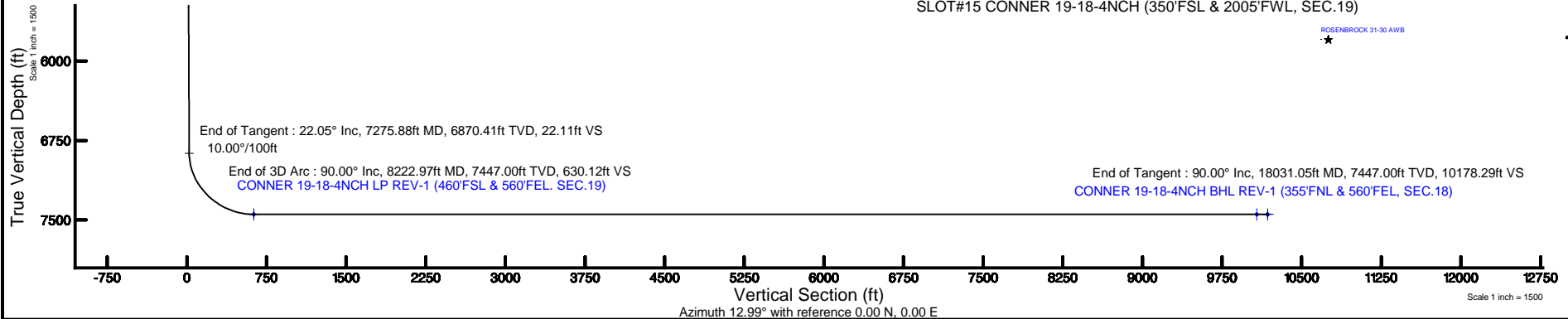
Hole and Casing Sections

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 19-18-4NCH PWB
8.5in Open Hole	700.00	18031.05	17331.05	700.00	7447.00	0.00	0.00	9918.00	2287.09	CONNER 19-18-4NCH PWB



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

To correct azimuth from Magnetic to True add 8.32 degrees





Planned Wellpath Report

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

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**BAKER
HUGHES**
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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 8:55:28 AM
Convergence at slot	0.51° East	Database/Source file	WA_DEN_Denver_Defn/CONNER_19-18-4NCH_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	210.29	3222219.66	1223557.21	39°56'39.552"N	104°42'26.748"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#15 CONNER 19-18-4NCH (350'FSL & 2005'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	12.99°



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Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

WELLPATH DATA (194 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	102.397	0.00	0.00	0.00	0.00	39°56'39.552"N	104°42'26.748"W	0.00	
13.00	0.000	102.397	13.00	0.00	0.00	0.00	39°56'39.552"N	104°42'26.748"W	0.00	Tie On
113.00†	0.000	102.397	113.00	0.00	0.00	0.00	39°56'39.552"N	104°42'26.748"W	0.00	
213.00†	0.000	102.397	213.00	0.00	0.00	0.00	39°56'39.552"N	104°42'26.748"W	0.00	
313.00†	0.000	102.397	313.00	0.00	0.00	0.00	39°56'39.552"N	104°42'26.748"W	0.00	
413.00†	0.000	102.397	413.00	0.00	0.00	0.00	39°56'39.552"N	104°42'26.748"W	0.00	
513.00†	0.000	102.397	513.00	0.00	0.00	0.00	39°56'39.552"N	104°42'26.748"W	0.00	
613.00†	0.000	102.397	613.00	0.00	0.00	0.00	39°56'39.552"N	104°42'26.748"W	0.00	
700.00†	0.000	102.397	700.00	0.00	0.00	0.00	39°56'39.552"N	104°42'26.748"W	0.00	FOX HILLS
713.00†	0.000	102.397	713.00	0.00	0.00	0.00	39°56'39.552"N	104°42'26.748"W	0.00	
813.00†	0.000	102.397	813.00	0.00	0.00	0.00	39°56'39.552"N	104°42'26.748"W	0.00	
913.00†	0.000	102.397	913.00	0.00	0.00	0.00	39°56'39.552"N	104°42'26.748"W	0.00	
1000.00	0.000	102.397	1000.00	0.00	0.00	0.00	39°56'39.552"N	104°42'26.748"W	0.00	End of Tangent
1013.00†	0.260	102.397	1013.00	0.00	-0.01	0.03	39°56'39.552"N	104°42'26.748"W	2.00	
1113.00†	2.260	102.397	1112.97	0.02	-0.48	2.18	39°56'39.547"N	104°42'26.720"W	2.00	
1213.00†	4.260	102.397	1212.80	0.08	-1.70	7.73	39°56'39.535"N	104°42'26.649"W	2.00	
1313.00†	6.260	102.397	1312.38	0.18	-3.67	16.68	39°56'39.516"N	104°42'26.534"W	2.00	
1413.00†	8.260	102.397	1411.57	0.31	-6.38	29.03	39°56'39.489"N	104°42'26.375"W	2.00	
1513.00†	10.260	102.397	1510.26	0.47	-9.83	44.74	39°56'39.455"N	104°42'26.174"W	2.00	
1613.00†	12.260	102.397	1608.33	0.67	-14.03	63.81	39°56'39.413"N	104°42'25.929"W	2.00	
1713.00†	14.260	102.397	1705.66	0.91	-18.95	86.21	39°56'39.365"N	104°42'25.641"W	2.00	
1813.00†	16.260	102.397	1802.13	1.18	-24.60	111.92	39°56'39.309"N	104°42'25.311"W	2.00	
1913.00†	18.260	102.397	1897.62	1.48	-30.97	140.89	39°56'39.246"N	104°42'24.939"W	2.00	
2013.00†	20.260	102.397	1992.02	1.82	-38.05	173.11	39°56'39.176"N	104°42'24.525"W	2.00	
2102.58	22.052	102.397	2075.56	2.15	-44.99	204.69	39°56'39.107"N	104°42'24.120"W	2.00	End of Build
2113.00†	22.052	102.397	2085.22	2.19	-45.83	208.51	39°56'39.099"N	104°42'24.071"W	0.00	
2213.00†	22.052	102.397	2177.90	2.58	-53.89	245.17	39°56'39.019"N	104°42'23.600"W	0.00	
2313.00†	22.052	102.397	2270.59	2.97	-61.95	281.84	39°56'38.940"N	104°42'23.129"W	0.00	
2413.00†	22.052	102.397	2363.27	3.35	-70.01	318.51	39°56'38.860"N	104°42'22.659"W	0.00	
2513.00†	22.052	102.397	2455.96	3.74	-78.07	355.18	39°56'38.780"N	104°42'22.188"W	0.00	



Planned Wellpath Report

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Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
2613.00†	22.052	102.397	2548.64	4.12	-86.13	391.85	39°56'38.701"N	104°42'21.717"W	0.00	
2713.00†	22.052	102.397	2641.33	4.51	-94.19	428.52	39°56'38.621"N	104°42'21.246"W	0.00	
2813.00†	22.052	102.397	2734.01	4.89	-102.25	465.19	39°56'38.541"N	104°42'20.775"W	0.00	
2913.00†	22.052	102.397	2826.69	5.28	-110.31	501.86	39°56'38.462"N	104°42'20.305"W	0.00	
3013.00†	22.052	102.397	2919.38	5.67	-118.37	538.53	39°56'38.382"N	104°42'19.834"W	0.00	
3113.00†	22.052	102.397	3012.06	6.05	-126.43	575.19	39°56'38.303"N	104°42'19.363"W	0.00	
3213.00†	22.052	102.397	3104.75	6.44	-134.49	611.86	39°56'38.223"N	104°42'18.892"W	0.00	
3313.00†	22.052	102.397	3197.43	6.82	-142.55	648.53	39°56'38.143"N	104°42'18.421"W	0.00	
3413.00†	22.052	102.397	3290.12	7.21	-150.61	685.20	39°56'38.064"N	104°42'17.951"W	0.00	
3513.00†	22.052	102.397	3382.80	7.60	-158.67	721.87	39°56'37.984"N	104°42'17.480"W	0.00	
3613.00†	22.052	102.397	3475.49	7.98	-166.73	758.54	39°56'37.904"N	104°42'17.009"W	0.00	
3713.00†	22.052	102.397	3568.17	8.37	-174.79	795.21	39°56'37.825"N	104°42'16.538"W	0.00	
3813.00†	22.052	102.397	3660.86	8.75	-182.85	831.88	39°56'37.745"N	104°42'16.067"W	0.00	
3913.00†	22.052	102.397	3753.54	9.14	-190.91	868.55	39°56'37.665"N	104°42'15.597"W	0.00	
4013.00†	22.052	102.397	3846.23	9.52	-198.97	905.21	39°56'37.586"N	104°42'15.126"W	0.00	
4113.00†	22.052	102.397	3938.91	9.91	-207.03	941.88	39°56'37.506"N	104°42'14.655"W	0.00	
4213.00†	22.052	102.397	4031.59	10.30	-215.09	978.55	39°56'37.426"N	104°42'14.184"W	0.00	
4313.00†	22.052	102.397	4124.28	10.68	-223.15	1015.22	39°56'37.347"N	104°42'13.713"W	0.00	
4413.00†	22.052	102.397	4216.96	11.07	-231.21	1051.89	39°56'37.267"N	104°42'13.243"W	0.00	
4513.00†	22.052	102.397	4309.65	11.45	-239.27	1088.56	39°56'37.187"N	104°42'12.772"W	0.00	
4613.00†	22.052	102.397	4402.33	11.84	-247.33	1125.23	39°56'37.108"N	104°42'12.301"W	0.00	
4713.00†	22.052	102.397	4495.02	12.23	-255.39	1161.90	39°56'37.028"N	104°42'11.830"W	0.00	
4813.00†	22.052	102.397	4587.70	12.61	-263.45	1198.57	39°56'36.948"N	104°42'11.360"W	0.00	
4913.00†	22.052	102.397	4680.39	13.00	-271.51	1235.23	39°56'36.869"N	104°42'10.889"W	0.00	
5013.00†	22.052	102.397	4773.07	13.38	-279.57	1271.90	39°56'36.789"N	104°42'10.418"W	0.00	
5106.79†	22.052	102.397	4860.00	13.74	-287.13	1306.29	39°56'36.714"N	104°42'09.976"W	0.00	SUSSEX/SHANNON
5113.00†	22.052	102.397	4865.76	13.77	-287.63	1308.57	39°56'36.709"N	104°42'09.947"W	0.00	
5213.00†	22.052	102.397	4958.44	14.15	-295.69	1345.24	39°56'36.630"N	104°42'09.476"W	0.00	
5313.00†	22.052	102.397	5051.12	14.54	-303.75	1381.91	39°56'36.550"N	104°42'09.006"W	0.00	
5413.00†	22.052	102.397	5143.81	14.93	-311.81	1418.58	39°56'36.470"N	104°42'08.535"W	0.00	



Planned Wellpath Report

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

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Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
5513.00†	22.052	102.397	5236.49	15.31	-319.87	1455.25	39°56'36.391"N	104°42'08.064"W	0.00	
5613.00†	22.052	102.397	5329.18	15.70	-327.93	1491.92	39°56'36.311"N	104°42'07.593"W	0.00	
5713.00†	22.052	102.397	5421.86	16.08	-335.99	1528.59	39°56'36.231"N	104°42'07.122"W	0.00	
5813.00†	22.052	102.397	5514.55	16.47	-344.05	1565.25	39°56'36.152"N	104°42'06.652"W	0.00	
5913.00†	22.052	102.397	5607.23	16.86	-352.11	1601.92	39°56'36.072"N	104°42'06.181"W	0.00	
6013.00†	22.052	102.397	5699.92	17.24	-360.17	1638.59	39°56'35.992"N	104°42'05.710"W	0.00	
6113.00†	22.052	102.397	5792.60	17.63	-368.23	1675.26	39°56'35.912"N	104°42'05.239"W	0.00	
6213.00†	22.052	102.397	5885.29	18.01	-376.29	1711.93	39°56'35.833"N	104°42'04.769"W	0.00	
6313.00†	22.052	102.397	5977.97	18.40	-384.34	1748.60	39°56'35.753"N	104°42'04.298"W	0.00	
6413.00†	22.052	102.397	6070.66	18.78	-392.40	1785.27	39°56'35.673"N	104°42'03.827"W	0.00	
6513.00†	22.052	102.397	6163.34	19.17	-400.46	1821.94	39°56'35.594"N	104°42'03.356"W	0.00	
6613.00†	22.052	102.397	6256.02	19.56	-408.52	1858.61	39°56'35.514"N	104°42'02.885"W	0.00	
6713.00†	22.052	102.397	6348.71	19.94	-416.58	1895.27	39°56'35.434"N	104°42'02.415"W	0.00	
6813.00†	22.052	102.397	6441.39	20.33	-424.64	1931.94	39°56'35.355"N	104°42'01.944"W	0.00	
6913.00†	22.052	102.397	6534.08	20.71	-432.70	1968.61	39°56'35.275"N	104°42'01.473"W	0.00	
7013.00†	22.052	102.397	6626.76	21.10	-440.76	2005.28	39°56'35.195"N	104°42'01.002"W	0.00	
7113.00†	22.052	102.397	6719.45	21.48	-448.82	2041.95	39°56'35.116"N	104°42'00.531"W	0.00	
7213.00†	22.052	102.397	6812.13	21.87	-456.88	2078.62	39°56'35.036"N	104°42'00.061"W	0.00	
7275.88	22.052	102.397	6870.41	22.11	-461.95	2101.68	39°56'34.986"N	104°41'59.765"W	0.00	End of Tangent
7313.00†	21.589	92.477	6904.88	23.43	-463.74	2115.31	39°56'34.968"N	104°41'59.590"W	10.00	
7413.00†	23.288	66.449	6997.54	38.59	-456.62	2151.90	39°56'35.039"N	104°41'59.120"W	10.00	
7513.00†	28.442	46.633	7087.66	70.27	-432.31	2187.43	39°56'35.279"N	104°41'58.664"W	10.00	
7613.00†	35.574	33.313	7172.51	117.49	-391.55	2220.80	39°56'35.682"N	104°41'58.235"W	10.00	
7639.78†	37.683	30.545	7194.00	132.60	-377.98	2229.24	39°56'35.816"N	104°41'58.127"W	10.00	NIOBRARA A CHALK
7669.33†	40.077	27.785	7217.00	150.41	-361.79	2238.26	39°56'35.976"N	104°41'58.011"W	10.00	NIOBRARA A MARL
7713.00†	43.722	24.179	7249.51	178.82	-335.57	2251.01	39°56'36.235"N	104°41'57.847"W	10.00	
7813.00†	52.404	17.485	7316.32	252.40	-266.08	2277.13	39°56'36.921"N	104°41'57.512"W	10.00	
7906.99†	60.838	12.508	7368.00	330.73	-190.34	2297.25	39°56'37.670"N	104°41'57.253"W	10.00	NIOBRARA B CHALK
7913.00†	61.384	12.219	7370.91	335.99	-185.19	2298.38	39°56'37.721"N	104°41'57.239"W	10.00	
7983.15†	67.790	9.053	7401.00	399.26	-122.95	2310.02	39°56'38.336"N	104°41'57.089"W	10.00	NIOBRARA B MARL



Planned Wellpath Report

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

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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

WELLPATH DATA (194 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
8013.00†	70.535	7.796	7411.62	427.06	-95.36	2314.10	39°56'38.609"N	104°41'57.037"W	10.00	
8113.00†	79.781	3.851	7437.22	522.84	0.69	2323.82	39°56'39.558"N	104°41'56.912"W	10.00	
8213.00†	89.073	0.132	7446.92	620.41	100.03	2327.25	39°56'40.539"N	104°41'56.868"W	10.00	
8222.97	90.000	359.765	7447.00 ¹	630.12	110.00	2327.24	39°56'40.638"N	104°41'56.868"W	10.00	End of 3D Arc
8313.00†	90.000	359.765	7447.00	717.77	200.03	2326.88	39°56'41.528"N	104°41'56.872"W	0.00	
8413.00†	90.000	359.765	7447.00	815.12	300.03	2326.47	39°56'42.516"N	104°41'56.878"W	0.00	
8513.00†	90.000	359.765	7447.00	912.47	400.03	2326.06	39°56'43.504"N	104°41'56.883"W	0.00	
8613.00†	90.000	359.765	7447.00	1009.82	500.02	2325.65	39°56'44.492"N	104°41'56.888"W	0.00	
8713.00†	90.000	359.765	7447.00	1107.17	600.02	2325.24	39°56'45.481"N	104°41'56.893"W	0.00	
8813.00†	90.000	359.765	7447.00	1204.52	700.02	2324.83	39°56'46.469"N	104°41'56.898"W	0.00	
8913.00†	90.000	359.765	7447.00	1301.87	800.02	2324.42	39°56'47.457"N	104°41'56.903"W	0.00	
9013.00†	90.000	359.765	7447.00	1399.22	900.02	2324.01	39°56'48.445"N	104°41'56.908"W	0.00	
9113.00†	90.000	359.765	7447.00	1496.57	1000.02	2323.60	39°56'49.434"N	104°41'56.914"W	0.00	
9213.00†	90.000	359.765	7447.00	1593.92	1100.02	2323.19	39°56'50.422"N	104°41'56.919"W	0.00	
9313.00†	90.000	359.765	7447.00	1691.27	1200.02	2322.78	39°56'51.410"N	104°41'56.924"W	0.00	
9413.00†	90.000	359.765	7447.00	1788.62	1300.02	2322.37	39°56'52.398"N	104°41'56.929"W	0.00	
9513.00†	90.000	359.765	7447.00	1885.97	1400.02	2321.96	39°56'53.386"N	104°41'56.934"W	0.00	
9613.00†	90.000	359.765	7447.00	1983.32	1500.02	2321.55	39°56'54.375"N	104°41'56.939"W	0.00	
9713.00†	90.000	359.765	7447.00	2080.67	1600.02	2321.14	39°56'55.363"N	104°41'56.944"W	0.00	
9813.00†	90.000	359.765	7447.00	2178.02	1700.01	2320.73	39°56'56.351"N	104°41'56.950"W	0.00	
9913.00†	90.000	359.765	7447.00	2275.37	1800.01	2320.33	39°56'57.339"N	104°41'56.955"W	0.00	
10013.00†	90.000	359.765	7447.00	2372.72	1900.01	2319.92	39°56'58.328"N	104°41'56.960"W	0.00	
10113.00†	90.000	359.765	7447.00	2470.07	2000.01	2319.51	39°56'59.316"N	104°41'56.965"W	0.00	
10213.00†	90.000	359.765	7447.00	2567.42	2100.01	2319.10	39°57'00.304"N	104°41'56.970"W	0.00	
10313.00†	90.000	359.765	7447.00	2664.77	2200.01	2318.69	39°57'01.292"N	104°41'56.975"W	0.00	
10413.00†	90.000	359.765	7447.00	2762.12	2300.01	2318.28	39°57'02.281"N	104°41'56.980"W	0.00	
10513.00†	90.000	359.765	7447.00	2859.47	2400.01	2317.87	39°57'03.269"N	104°41'56.986"W	0.00	
10613.00†	90.000	359.765	7447.00	2956.81	2500.01	2317.46	39°57'04.257"N	104°41'56.991"W	0.00	
10713.00†	90.000	359.765	7447.00	3054.16	2600.01	2317.05	39°57'05.245"N	104°41'56.996"W	0.00	
10813.00†	90.000	359.765	7447.00	3151.51	2700.01	2316.64	39°57'06.234"N	104°41'57.001"W	0.00	



Planned Wellpath Report

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

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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

WELLPATH DATA (194 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
10913.00†	90.000	359.765	7447.00	3248.86	2800.01	2316.23	39°57'07.222"N	104°41'57.006"W	0.00	
11013.00†	90.000	359.765	7447.00	3346.21	2900.00	2315.82	39°57'08.210"N	104°41'57.011"W	0.00	
11113.00†	90.000	359.765	7447.00	3443.56	3000.00	2315.41	39°57'09.198"N	104°41'57.016"W	0.00	
11213.00†	90.000	359.765	7447.00	3540.91	3100.00	2315.00	39°57'10.186"N	104°41'57.021"W	0.00	
11313.00†	90.000	359.765	7447.00	3638.26	3200.00	2314.59	39°57'11.175"N	104°41'57.027"W	0.00	
11413.00†	90.000	359.765	7447.00	3735.61	3300.00	2314.18	39°57'12.163"N	104°41'57.032"W	0.00	
11513.00†	90.000	359.765	7447.00	3832.96	3400.00	2313.77	39°57'13.151"N	104°41'57.037"W	0.00	
11613.00†	90.000	359.765	7447.00	3930.31	3500.00	2313.36	39°57'14.139"N	104°41'57.042"W	0.00	
11713.00†	90.000	359.765	7447.00	4027.66	3600.00	2312.96	39°57'15.128"N	104°41'57.047"W	0.00	
11813.00†	90.000	359.765	7447.00	4125.01	3700.00	2312.55	39°57'16.116"N	104°41'57.052"W	0.00	
11913.00†	90.000	359.765	7447.00	4222.36	3800.00	2312.14	39°57'17.104"N	104°41'57.057"W	0.00	
12013.00†	90.000	359.765	7447.00	4319.71	3900.00	2311.73	39°57'18.092"N	104°41'57.063"W	0.00	
12113.00†	90.000	359.765	7447.00	4417.06	4000.00	2311.32	39°57'19.081"N	104°41'57.068"W	0.00	
12213.00†	90.000	359.765	7447.00	4514.41	4099.99	2310.91	39°57'20.069"N	104°41'57.073"W	0.00	
12313.00†	90.000	359.765	7447.00	4611.76	4199.99	2310.50	39°57'21.057"N	104°41'57.078"W	0.00	
12413.00†	90.000	359.765	7447.00	4709.11	4299.99	2310.09	39°57'22.045"N	104°41'57.083"W	0.00	
12513.00†	90.000	359.765	7447.00	4806.46	4399.99	2309.68	39°57'23.033"N	104°41'57.088"W	0.00	
12613.00†	90.000	359.765	7447.00	4903.81	4499.99	2309.27	39°57'24.022"N	104°41'57.093"W	0.00	
12713.00†	90.000	359.765	7447.00	5001.16	4599.99	2308.86	39°57'25.010"N	104°41'57.099"W	0.00	
12813.00†	90.000	359.765	7447.00	5098.51	4699.99	2308.45	39°57'25.998"N	104°41'57.104"W	0.00	
12913.00†	90.000	359.765	7447.00	5195.86	4799.99	2308.04	39°57'26.986"N	104°41'57.109"W	0.00	
13013.00†	90.000	359.765	7447.00	5293.21	4899.99	2307.63	39°57'27.975"N	104°41'57.114"W	0.00	
13113.00†	90.000	359.765	7447.00	5390.56	4999.99	2307.22	39°57'28.963"N	104°41'57.119"W	0.00	
13213.00†	90.000	359.765	7447.00	5487.91	5099.99	2306.81	39°57'29.951"N	104°41'57.124"W	0.00	
13313.00†	90.000	359.765	7447.00	5585.26	5199.98	2306.40	39°57'30.939"N	104°41'57.129"W	0.00	
13413.00†	90.000	359.765	7447.00	5682.61	5299.98	2306.00	39°57'31.928"N	104°41'57.135"W	0.00	
13513.00†	90.000	359.765	7447.00	5779.96	5399.98	2305.59	39°57'32.916"N	104°41'57.140"W	0.00	
13613.00†	90.000	359.765	7447.00	5877.31	5499.98	2305.18	39°57'33.904"N	104°41'57.145"W	0.00	
13713.00†	90.000	359.765	7447.00	5974.66	5599.98	2304.77	39°57'34.892"N	104°41'57.150"W	0.00	
13813.00†	90.000	359.765	7447.00	6072.01	5699.98	2304.36	39°57'35.880"N	104°41'57.155"W	0.00	



Planned Wellpath Report

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

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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

WELLPATH DATA (194 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
13913.00†	90.000	359.765	7447.00	6169.36	5799.98	2303.95	39°57'36.869"N	104°41'57.160"W	0.00	
14013.00†	90.000	359.765	7447.00	6266.71	5899.98	2303.54	39°57'37.857"N	104°41'57.165"W	0.00	
14113.00†	90.000	359.765	7447.00	6364.06	5999.98	2303.13	39°57'38.845"N	104°41'57.170"W	0.00	
14213.00†	90.000	359.765	7447.00	6461.41	6099.98	2302.72	39°57'39.833"N	104°41'57.176"W	0.00	
14313.00†	90.000	359.765	7447.00	6558.76	6199.98	2302.31	39°57'40.822"N	104°41'57.181"W	0.00	
14413.00†	90.000	359.765	7447.00	6656.11	6299.98	2301.90	39°57'41.810"N	104°41'57.186"W	0.00	
14513.00†	90.000	359.765	7447.00	6753.46	6399.97	2301.49	39°57'42.798"N	104°41'57.191"W	0.00	
14613.00†	90.000	359.765	7447.00	6850.81	6499.97	2301.08	39°57'43.786"N	104°41'57.196"W	0.00	
14713.00†	90.000	359.765	7447.00	6948.16	6599.97	2300.67	39°57'44.775"N	104°41'57.201"W	0.00	
14813.00†	90.000	359.765	7447.00	7045.51	6699.97	2300.26	39°57'45.763"N	104°41'57.206"W	0.00	
14913.00†	90.000	359.765	7447.00	7142.86	6799.97	2299.85	39°57'46.751"N	104°41'57.212"W	0.00	
15013.00†	90.000	359.765	7447.00	7240.21	6899.97	2299.44	39°57'47.739"N	104°41'57.217"W	0.00	
15113.00†	90.000	359.765	7447.00	7337.56	6999.97	2299.03	39°57'48.728"N	104°41'57.222"W	0.00	
15213.00†	90.000	359.765	7447.00	7434.91	7099.97	2298.63	39°57'49.716"N	104°41'57.227"W	0.00	
15313.00†	90.000	359.765	7447.00	7532.26	7199.97	2298.22	39°57'50.704"N	104°41'57.232"W	0.00	
15413.00†	90.000	359.765	7447.00	7629.61	7299.97	2297.81	39°57'51.692"N	104°41'57.237"W	0.00	
15513.00†	90.000	359.765	7447.00	7726.96	7399.97	2297.40	39°57'52.680"N	104°41'57.242"W	0.00	
15613.00†	90.000	359.765	7447.00	7824.31	7499.97	2296.99	39°57'53.669"N	104°41'57.248"W	0.00	
15713.00†	90.000	359.765	7447.00	7921.66	7599.96	2296.58	39°57'54.657"N	104°41'57.253"W	0.00	
15813.00†	90.000	359.765	7447.00	8019.01	7699.96	2296.17	39°57'55.645"N	104°41'57.258"W	0.00	
15913.00†	90.000	359.765	7447.00	8116.36	7799.96	2295.76	39°57'56.633"N	104°41'57.263"W	0.00	
16013.00†	90.000	359.765	7447.00	8213.71	7899.96	2295.35	39°57'57.622"N	104°41'57.268"W	0.00	
16113.00†	90.000	359.765	7447.00	8311.06	7999.96	2294.94	39°57'58.610"N	104°41'57.273"W	0.00	
16213.00†	90.000	359.765	7447.00	8408.41	8099.96	2294.53	39°57'59.598"N	104°41'57.278"W	0.00	
16313.00†	90.000	359.765	7447.00	8505.76	8199.96	2294.12	39°58'00.586"N	104°41'57.284"W	0.00	
16413.00†	90.000	359.765	7447.00	8603.11	8299.96	2293.71	39°58'01.575"N	104°41'57.289"W	0.00	
16513.00†	90.000	359.765	7447.00	8700.46	8399.96	2293.30	39°58'02.563"N	104°41'57.294"W	0.00	
16613.00†	90.000	359.765	7447.00	8797.81	8499.96	2292.89	39°58'03.551"N	104°41'57.299"W	0.00	
16713.00†	90.000	359.765	7447.00	8895.16	8599.96	2292.48	39°58'04.539"N	104°41'57.304"W	0.00	
16813.00†	90.000	359.765	7447.00	8992.51	8699.96	2292.07	39°58'05.527"N	104°41'57.309"W	0.00	



Planned Wellpath Report

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

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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

WELLPATH DATA (194 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
16913.00†	90.000	359.765	7447.00	9089.86	8799.95	2291.66	39°58'06.516"N	104°41'57.314"W	0.00	
17013.00†	90.000	359.765	7447.00	9187.21	8899.95	2291.26	39°58'07.504"N	104°41'57.320"W	0.00	
17113.00†	90.000	359.765	7447.00	9284.56	8999.95	2290.85	39°58'08.492"N	104°41'57.325"W	0.00	
17213.00†	90.000	359.765	7447.00	9381.91	9099.95	2290.44	39°58'09.480"N	104°41'57.330"W	0.00	
17313.00†	90.000	359.765	7447.00	9479.26	9199.95	2290.03	39°58'10.469"N	104°41'57.335"W	0.00	
17413.00†	90.000	359.765	7447.00	9576.61	9299.95	2289.62	39°58'11.457"N	104°41'57.340"W	0.00	
17513.00†	90.000	359.765	7447.00	9673.96	9399.95	2289.21	39°58'12.445"N	104°41'57.345"W	0.00	
17613.00†	90.000	359.765	7447.00	9771.31	9499.95	2288.80	39°58'13.433"N	104°41'57.350"W	0.00	
17713.00†	90.000	359.765	7447.00	9868.66	9599.95	2288.39	39°58'14.422"N	104°41'57.356"W	0.00	
17813.00†	90.000	359.765	7447.00	9966.01	9699.95	2287.98	39°58'15.410"N	104°41'57.361"W	0.00	
17913.00†	90.000	359.765	7447.00	10063.36	9799.95	2287.57	39°58'16.398"N	104°41'57.366"W	0.00	
18013.00†	90.000	359.765	7447.00	10160.71	9899.95	2287.16	39°58'17.386"N	104°41'57.371"W	0.00	
18031.05†	90.000	359.765	7447.00	10178.28	9918.00	2287.09	39°58'17.565"N	104°41'57.372"W	0.00	NIOBRARA C CHALK/LANDING ZONE
18031.05	90.000	359.765	7447.00 ²	10178.29	9918.00	2287.09	39°58'17.565"N	104°41'57.372"W	0.00	End of Tangent

HOLE & CASING SECTIONS

- Ref Wellbore: CONNER 19-18-4NCH PWB Ref 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	0.00	0.00	0.00
8.5in Open Hole	700.00	18031.05	17331.05	700.00	7447.00	0.00	0.00	9918.00	2287.09



Planned Wellpath Report

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

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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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	-210.29	3222009.38	1223555.33	39°56'39.552"N	104°42'29.448"W	polygon
SEC.19-T01S-R65W		0.00	0.00	-210.29	3222009.38	1223555.33	39°56'39.552"N	104°42'29.448"W	polygon
CONNER 19-18-4NCH BHL (460'FNL & 560'FEL, SEC.18)		7447.00	9813.91	2287.09	3224418.87	1233390.87	39°58'16.536"N	104°41'57.372"W	point
2) CONNER 19-18-4NCH BHL REV-1 (355'FNL & 560'FEL, SEC.18)	18031.05	7447.00	9918.00	2287.09	3224417.94	1233494.95	39°58'17.565"N	104°41'57.372"W	point
CONNER 19-18-4NCH LP (460'FSL & 560'FEL. SEC.19)		7447.00	7.39	2327.24	3224546.67	1223585.41	39°56'39.624"N	104°41'56.868"W	point
1) CONNER 19-18-4NCH LP REV-1 (460'FSL & 560'FEL. SEC.19)	8222.97	7447.00	110.00	2327.24	3224545.75	1223688.00	39°56'40.638"N	104°41'56.868"W	point
SEC.18-T01S-R65W (460' SETBACK)		7660.00	0.00	-210.29	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	-210.29	3222009.38	1223555.33	39°56'39.552"N	104°42'29.448"W	polygon

SURVEY PROGRAM -

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



Planned Wellpath Report

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

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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
700.00	0.000	102.397	700.00	FOX HILLS
5106.79	22.052	102.397	4860.00	SUSSEX/SHANNON
7639.78	37.683	30.545	7194.00	NIOBRARA A CHALK
7669.33	40.077	27.785	7217.00	NIOBRARA A MARL
7906.99	60.838	12.508	7368.00	NIOBRARA B CHALK
7983.15	67.790	9.053	7401.00	NIOBRARA B MARL
18031.05	90.000	359.765	7447.00	NIOBRARA C CHALK/LANDING ZONE

DESIGN COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
13.00	0.000	102.397	13.00	Tie On
1000.00	0.000	102.397	1000.00	End of Tangent
2102.58	22.052	102.397	2075.56	End of Build
7275.88	22.052	102.397	6870.41	End of Tangent
8222.97	90.000	359.765	7447.00	End of 3D Arc
18031.05	90.000	359.765	7447.00	End of Tangent



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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 8:55:16 AM
Convergence at slot	0.51° East	Database/Source file	WA_DEN_Denver_Defn/CONNER_19-18-4NCH_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	210.29	3222219.66	1223557.21	39°56'39.552"N	104°42'26.748"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#15 CONNER 19-18-4NCH (350'FSL & 2005'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 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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 19-18-4NCH PWB Ref 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	0.00	0.00	0.00
8.5in Open Hole	700.00	18031.05	17331.05	700.00	7447.00	0.00	0.00	9918.00	2287.09

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

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



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

CALCULATION RANGE & CUTOFF

From: 13.00ft MD	To: 18031.05ft MD	C-C Cutoff: 1000.00 ft
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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#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	14.02	18031.05	18031.05	0.22	18031.05	FAIL
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	14.02	18027.91	18027.91	0.68	18027.91	FAIL
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	30.84	18019.67	18019.67	0.90	18019.67	FAIL
SEC.19-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	17261.57	509.85	17261.57	17228.79	1.03	17228.79	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	18013.00	18011.32	1.41	18011.32	PASS
SEC.19-T01S-R65W	SLOT#11 CONNER 19-18-3NCH (350'FSL & 1945'FWL, SEC.19)	CONNER 19-18-3NCH	CONNER 19-18-3NCH PWB	CONNER 19-18-3NCH PWP (REV-A.0)	13.00	58.88	18013.00	18003.23	1.97	18003.23	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	75.71	18013.00	18002.81	2.19	18002.81	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	14874.60	948.85	14874.60	15013.00	2.22	15013.00	PASS
SEC.19-T01S-R65W	SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19)	CONNER 19-18-3CDH	CONNER 19-18-3CDH PWB	CONNER 19-18-3CDH PWP (REV-A.0)	13.00	89.73	18013.00	17998.58	2.57	17998.58	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	14067.82	1122.32	14067.82	14013.00	2.83	14013.00	PASS
SEC.19-T01S-R65W	SLOT#08 CONNER 19-18-2NBH (350'FSL & 1900'FWL, SEC.19)	CONNER 19-18-2NBH	CONNER 19-18-2NBH PWB	CONNER 19-18-2NBH PWP (REV-A.0)	13.00	103.74	18013.00	17990.62	3.15	17990.62	PASS
SEC.19-T01S-R65W	SLOT#07 CONNER 19-18-2NCH (350'FSL & 1885'FWL, SEC.19)	CONNER 19-18-2NCH	CONNER 19-18-2NCH PWB	CONNER 19-18-2NCH PWP (REV-A.0)	13.00	120.57	18013.00	18013.00	3.68	18013.00	PASS
SEC.19-T01S-R65W	SLOT#06 CONNER 19-18-2NXH (350'FSL & 1870'FWL, SEC.19)	CONNER 19-18-2NXH	CONNER 19-18-2NXH PWB	CONNER 19-18-2NXH PWP (REV-A.0)	13.00	134.59	18013.00	18031.05	4.13	18031.05	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	4513.00	804.63	4513.00	5266.65	4.22	5266.65	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	148.61	18013.00	18031.05	4.28	18031.05	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	165.43	18013.00	18031.05	4.83	18031.05	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	16251.47	2266.36	16251.47	16251.47	4.90	16251.47	PASS
SEC.19-T01S-R65W	SLOT#01 EX PRICE #7-19 (1800'FNL & 2170'FEL, SEC.19, SI,8226)	PRICE #7-19	PRICE #7-19 AWB	PRICE #7-19 AWP	11268.78	1642.78	11268.78	11213.00	5.24	11213.00	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	179.45	18013.00	18031.05	5.40	18031.05	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	193.47	18013.00	18031.05	5.83	18031.05	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	210.29	18013.00	18031.05	6.00	18031.05	PASS

OFFSET WELL CLEARANCE SUMMARY (25 Offset Wellpaths selected) Ratios are calculated in Closest Approach plane											
Offset Facility	Offset Slot	Offset Well	Offset Wellbore	Offset Wellpath	C-C Clearance Distance			ACR Separation Ratio			
					Ref MD [ft]	Min C-C Clear Dist [ft]	Diverging from MD [ft]	Ref MD of Min Ratio [ft]	Min Ratio	Min Ratio Dvrg from [ft]	ACR Status
SEC.18-T01S-65W	SLOT#01 EX GAIL SMITH 1 (466'FNL & 460'FWL, SEC.18, PR, 8100')	GAIL SMITH 1	GAIL SMITH 1 AWB	GAIL SMITH 1 AWP	17900.50	3826.41	17900.50	18031.05	7.43	18031.05	PASS
SEC.18-T01S-R65W	SLOT#01 MILHEIM #1 (990'FSL & 990'FWL, SEC.18, PA,8125')	MILHEIM #1	MILHEIM #1 AWB	MILHEIM #1 AWP	14050.50	3364.73	14050.50	14285.62	8.50	14285.62	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	1487.82	9113.00	8763.24	11.78	9613.00	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	13825.50	5288.70	13825.50	14739.71	13.34	14739.71	PASS



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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	14.02	90.00	14.02	1.40	22.03	PASS
113.00†	113.00	0.00	0.00	113.00	113.00	0.00	14.02	90.00	14.02	1.88	12.22	PASS
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	14.02	90.00	14.02	2.67	7.07	PASS
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	14.02	90.00	14.02	3.50	4.90	PASS
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	14.02	90.00	14.02	4.34	3.74	PASS
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	14.02	90.00	14.02	5.18	3.02	PASS
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	14.02	90.00	14.02	6.03	2.53	PASS
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	14.02	90.00	14.02	6.37	2.35	PASS
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	14.02	90.00	14.02	6.50	2.30	PASS
913.00†	913.00	0.00	0.00	912.94	912.94	-0.01	14.05	90.03	14.05	6.81	2.18	PASS
1000.00	1000.00	0.00	0.00	999.48	999.46	-0.36	15.71	91.31	15.72	7.34	2.26	PASS
1013.00†	1013.00	-0.01	0.03	1012.41	1012.38	-0.46	16.18	-10.79	16.17	7.42	2.30	PASS
1113.00†	1112.97	-0.48	2.18	1111.73	1111.54	-1.63	21.67	-9.00	19.58	8.53	2.41	PASS
1213.00†	1212.80	-1.70	7.73	1210.95	1210.34	-3.51	30.51	-7.80	22.98	9.84	2.44	PASS
1313.00†	1312.38	-3.67	16.68	1310.04	1308.64	-6.11	42.67	-6.96	26.37	11.10	2.47	PASS
1413.00†	1411.57	-6.38	29.03	1409.02	1406.35	-9.40	58.13	-6.37	29.73	12.31	2.50	PASS
1513.00†	1510.26	-9.83	44.74	1507.89	1503.34	-13.40	76.86	-5.94	33.05	13.48	2.53	PASS
1613.00†	1608.33	-14.03	63.81	1606.64	1599.50	-18.08	98.82	-5.62	36.34	14.64	2.56	PASS
1713.00†	1705.66	-18.95	86.21	1705.29	1694.72	-23.44	123.99	-5.40	39.58	15.79	2.58	PASS
1813.00†	1802.13	-24.60	111.92	1803.82	1788.91	-29.48	152.31	-5.24	42.78	16.93	2.59	PASS
1913.00†	1897.62	-30.97	140.89	1902.26	1881.94	-36.18	183.75	-5.13	45.93	18.06	2.61	PASS
2013.00†	1992.02	-38.05	173.11	2000.58	1973.71	-43.54	218.25	-5.07	49.02	19.22	2.61	PASS
2102.58	2075.56	-44.99	204.69	2089.60	2055.93	-50.65	251.61	-5.10	51.18	20.20	2.59	PASS
2113.00†	2085.22	-45.83	208.51	2100.01	2065.54	-51.49	255.53	-5.11	51.29	20.30	2.58	PASS
2213.00†	2177.90	-53.89	245.17	2200.01	2157.83	-59.51	293.18	-5.28	52.34	21.30	2.51	PASS
2313.00†	2270.59	-61.95	281.84	2300.00	2250.12	-67.54	330.83	-5.44	53.38	22.34	2.44	PASS
2413.00†	2363.27	-70.01	318.51	2400.00	2342.41	-75.56	368.48	-5.59	54.43	23.42	2.37	PASS
2513.00†	2455.96	-78.07	355.18	2499.99	2434.69	-83.59	406.13	-5.74	55.48	24.53	2.30	PASS
2613.00†	2548.64	-86.13	391.85	2599.98	2526.98	-91.62	443.78	-5.88	56.53	25.67	2.24	PASS
2713.00†	2641.33	-94.19	428.52	2699.98	2619.27	-99.64	481.43	-6.01	57.58	26.84	2.18	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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†	2734.01	-102.25	465.19	2799.97	2711.56	-107.67	519.07	-6.15	58.63	28.02	2.12	PASS	
2913.00†	2826.69	-110.31	501.86	2899.97	2803.84	-115.69	556.72	-6.27	59.68	29.23	2.07	PASS	
3013.00†	2919.38	-118.37	538.53	2999.96	2896.13	-123.72	594.37	-6.39	60.73	30.46	2.02	PASS	
3113.00†	3012.06	-126.43	575.19	3099.96	2988.42	-131.75	632.02	-6.51	61.78	31.70	1.97	PASS	
3213.00†	3104.75	-134.49	611.86	3199.95	3080.71	-139.77	669.67	-6.63	62.83	32.96	1.93	PASS	
3313.00†	3197.43	-142.55	648.53	3299.95	3172.99	-147.80	707.32	-6.74	63.88	34.23	1.88	PASS	
3413.00†	3290.12	-150.61	685.20	3399.94	3265.28	-155.82	744.97	-6.84	64.93	35.51	1.85	PASS	
3513.00†	3382.80	-158.67	721.87	3499.93	3357.57	-163.85	782.62	-6.95	65.98	36.81	1.81	PASS	
3613.00†	3475.49	-166.73	758.54	3599.93	3449.86	-171.88	820.27	-7.05	67.03	38.11	1.77	PASS	
3713.00†	3568.17	-174.79	795.21	3699.92	3542.15	-179.90	857.91	-7.14	68.09	39.42	1.74	PASS	
3813.00†	3660.86	-182.85	831.88	3799.92	3634.43	-187.93	895.56	-7.24	69.14	40.74	1.71	PASS	
3913.00†	3753.54	-190.91	868.55	3899.91	3726.72	-195.96	933.21	-7.33	70.19	42.07	1.68	PASS	
4013.00†	3846.23	-198.97	905.21	3999.91	3819.01	-203.98	970.86	-7.42	71.24	43.41	1.65	PASS	
4113.00†	3938.91	-207.03	941.88	4099.90	3911.30	-212.01	1008.51	-7.50	72.29	44.75	1.63	PASS	
4213.00†	4031.59	-215.09	978.55	4199.90	4003.58	-220.03	1046.16	-7.59	73.35	46.10	1.60	PASS	
4313.00†	4124.28	-223.15	1015.22	4299.89	4095.87	-228.06	1083.81	-7.67	74.40	47.45	1.58	PASS	
4413.00†	4216.96	-231.21	1051.89	4399.88	4188.16	-236.09	1121.46	-7.75	75.45	48.81	1.55	PASS	
4513.00†	4309.65	-239.27	1088.56	4499.88	4280.45	-244.11	1159.11	-7.82	76.51	50.17	1.53	PASS	
4613.00†	4402.33	-247.33	1125.23	4599.87	4372.73	-252.14	1196.76	-7.90	77.56	51.54	1.51	PASS	
4713.00†	4495.02	-255.39	1161.90	4699.87	4465.02	-260.16	1234.40	-7.97	78.61	52.92	1.49	PASS	
4813.00†	4587.70	-263.45	1198.57	4799.86	4557.31	-268.19	1272.05	-8.04	79.67	54.29	1.47	PASS	
4913.00†	4680.39	-271.51	1235.23	4899.86	4649.60	-276.22	1309.70	-8.11	80.72	55.67	1.46	PASS	
5013.00†	4773.07	-279.57	1271.90	4999.85	4741.89	-284.24	1347.35	-8.18	81.77	57.06	1.44	PASS	
5113.00†	4865.76	-287.63	1308.57	5099.84	4834.17	-292.27	1385.00	-8.24	82.83	58.45	1.42	PASS	
5213.00†	4958.44	-295.69	1345.24	5199.84	4926.46	-300.29	1422.65	-8.31	83.88	59.84	1.41	PASS	
5313.00†	5051.12	-303.75	1381.91	5299.83	5018.75	-308.32	1460.30	-8.37	84.93	61.23	1.39	PASS	
5413.00†	5143.81	-311.81	1418.58	5399.83	5111.04	-316.35	1497.95	-8.43	85.99	62.63	1.38	PASS	
5513.00†	5236.49	-319.87	1455.25	5499.82	5203.32	-324.37	1535.60	-8.49	87.04	64.03	1.36	PASS	
5613.00†	5329.18	-327.93	1491.92	5599.82	5295.61	-332.40	1573.24	-8.55	88.10	65.43	1.35	PASS	
5713.00†	5421.86	-335.99	1528.59	5699.81	5387.90	-340.42	1610.89	-8.60	89.15	66.84	1.34	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.19-T01S-R65W Slot: SLOT#16 CONNER 19-18-4NBH (350'FSL & 2020'FWL, SEC.19) Well: CONNER 19-18-4NBH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5813.00†	5514.55	-344.05	1565.25	5799.81	5480.19	-348.45	1648.54	-8.66	90.21	68.25	1.33	PASS
5913.00†	5607.23	-352.11	1601.92	5899.80	5572.47	-356.48	1686.19	-8.71	91.26	69.66	1.31	PASS
6013.00†	5699.92	-360.17	1638.59	5999.79	5664.76	-364.50	1723.84	-8.76	92.31	71.07	1.30	PASS
6113.00†	5792.60	-368.23	1675.26	6099.79	5757.05	-372.53	1761.49	-8.82	93.37	72.48	1.29	PASS
6213.00†	5885.29	-376.29	1711.93	6199.78	5849.34	-380.55	1799.14	-8.87	94.42	73.90	1.28	PASS
6313.00†	5977.97	-384.34	1748.60	6299.78	5941.63	-388.58	1836.79	-8.92	95.48	75.32	1.27	PASS
6413.00†	6070.66	-392.40	1785.27	6399.77	6033.91	-396.61	1874.44	-8.96	96.53	76.74	1.26	PASS
6513.00†	6163.34	-400.46	1821.94	6499.77	6126.20	-404.63	1912.09	-9.01	97.59	78.16	1.25	PASS
6613.00†	6256.02	-408.52	1858.61	6599.76	6218.49	-412.66	1949.73	-9.06	98.64	79.58	1.24	PASS
6713.00†	6348.71	-416.58	1895.27	6699.76	6310.78	-420.68	1987.38	-9.10	99.70	81.01	1.23	PASS
6813.00†	6441.39	-424.64	1931.94	6799.75	6403.06	-428.71	2025.03	-9.15	100.75	82.44	1.22	PASS
6913.00†	6534.08	-432.70	1968.61	6899.74	6495.35	-436.74	2062.68	-9.19	101.81	83.86	1.22	PASS
7013.00†	6626.76	-440.76	2005.28	6999.74	6587.64	-444.76	2100.33	-9.23	102.86	85.29	1.21	PASS
7113.00†	6719.45	-448.82	2041.95	7099.73	6679.93	-452.79	2137.98	-9.27	103.92	86.72	1.20	PASS
7213.00†	6812.13	-456.88	2078.62	7199.73	6772.21	-460.82	2175.63	-9.31	104.97	88.16	1.19	PASS
7275.88	6870.41	-461.95	2101.68	7262.87	6830.57	-464.40	2199.42	-10.14	105.58	89.71	1.18	PASS
7313.00†	6904.88	-463.74	2115.31	7300.00	6864.94	-463.51	2213.42	-2.42	105.93	91.52	1.16	PASS
7413.00†	6997.54	-456.62	2151.90	7399.19	6955.79	-449.39	2250.33	17.77	107.16	96.36	1.11	PASS
7513.00†	7087.66	-432.31	2187.43	7497.20	7042.05	-419.06	2285.26	31.95	108.75	100.29	1.09	PASS
7613.00†	7172.51	-391.55	2220.80	7594.12	7121.47	-373.91	2317.31	39.93	110.59	102.45	1.08	PASS
7713.00†	7249.51	-335.57	2251.01	7690.08	7192.08	-315.64	2345.67	44.04	112.50	102.53	1.10	PASS
7813.00†	7316.32	-266.08	2277.13	7785.20	7252.26	-246.15	2369.71	46.06	114.33	100.76	1.14	PASS
7913.00†	7370.91	-185.19	2298.38	7879.64	7300.69	-167.52	2388.90	46.98	115.92	97.84	1.19	PASS
8013.00†	7411.62	-95.36	2314.10	7973.54	7336.38	-81.90	2402.86	47.32	117.13	94.77	1.24	PASS
8113.00†	7437.22	0.69	2323.82	8067.07	7358.60	8.45	2411.29	47.40	117.86	92.72	1.27	PASS
8213.00†	7446.92	100.03	2327.25	8160.39	7366.94	101.25	2414.05	47.34	118.04	92.58	1.28	PASS
8222.97	7447.00	110.00	2327.24	8169.73	7367.00	110.59	2414.02	47.33	118.02	92.68	1.28	PASS
8313.00†	7447.00	200.03	2326.88	8259.76	7367.00	200.62	2413.40	47.24	117.84	94.01	1.26	PASS
8413.00†	7447.00	300.03	2326.47	8359.76	7367.00	300.62	2412.72	47.15	117.64	95.75	1.23	PASS
8513.00†	7447.00	400.03	2326.06	8459.76	7367.00	400.61	2412.03	47.06	117.44	97.72	1.20	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.19-T01S-R65W Slot: SLOT#16 CONNER 19-18-4NBH (350'FSL & 2020'FWL, SEC.19) Well: CONNER 19-18-4NBH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8613.00†	7447.00	500.02	2325.65	8559.76	7367.00	500.61	2411.35	46.97	117.24	99.89	1.17	PASS
8713.00†	7447.00	600.02	2325.24	8659.76	7367.00	600.61	2410.67	46.88	117.04	101.82	1.15	PASS
8813.00†	7447.00	700.02	2324.83	8759.76	7367.00	700.60	2409.99	46.79	116.84	104.79	1.12	PASS
8913.00†	7447.00	800.02	2324.42	8859.76	7367.00	800.60	2409.30	46.70	116.64	107.49	1.09	PASS
9013.00†	7447.00	900.02	2324.01	8959.75	7367.00	900.60	2408.62	46.60	116.44	110.33	1.06	PASS
9113.00†	7447.00	1000.02	2323.60	9059.75	7367.00	1000.60	2407.94	46.51	116.24	113.30	1.03	PASS
9213.00†	7447.00	1100.02	2323.19	9159.75	7367.00	1100.59	2407.25	46.42	116.05	116.40	1.00	FAIL
9313.00†	7447.00	1200.02	2322.78	9259.75	7367.00	1200.59	2406.57	46.33	115.85	119.60	0.97	FAIL
9413.00†	7447.00	1300.02	2322.37	9359.75	7367.00	1300.59	2405.89	46.23	115.65	122.91	0.94	FAIL
9513.00†	7447.00	1400.02	2321.96	9459.75	7367.00	1400.59	2405.20	46.14	115.45	126.31	0.91	FAIL
9613.00†	7447.00	1500.02	2321.55	9559.75	7367.00	1500.58	2404.52	46.04	115.26	129.79	0.89	FAIL
9713.00†	7447.00	1600.02	2321.14	9659.75	7367.00	1600.58	2403.84	45.95	115.06	133.35	0.86	FAIL
9813.00†	7447.00	1700.01	2320.73	9759.75	7367.00	1700.58	2403.15	45.85	114.86	136.97	0.84	FAIL
9913.00†	7447.00	1800.01	2320.33	9859.75	7367.00	1800.57	2402.47	45.76	114.67	140.65	0.81	FAIL
10013.00†	7447.00	1900.01	2319.92	9959.75	7367.00	1900.57	2401.79	45.66	114.47	144.39	0.79	FAIL
10113.00†	7447.00	2000.01	2319.51	10059.75	7367.00	2000.57	2401.10	45.57	114.27	148.18	0.77	FAIL
10213.00†	7447.00	2100.01	2319.10	10159.75	7367.00	2100.57	2400.42	45.47	114.08	152.01	0.75	FAIL
10313.00†	7447.00	2200.01	2318.69	10259.75	7367.00	2200.56	2399.74	45.37	113.88	155.89	0.73	FAIL
10413.00†	7447.00	2300.01	2318.28	10359.75	7367.00	2300.56	2399.06	45.28	113.69	159.80	0.71	FAIL
10513.00†	7447.00	2400.01	2317.87	10459.75	7367.00	2400.56	2398.37	45.18	113.50	163.74	0.69	FAIL
10613.00†	7447.00	2500.01	2317.46	10559.75	7367.00	2500.56	2397.69	45.08	113.30	167.71	0.67	FAIL
10713.00†	7447.00	2600.01	2317.05	10659.75	7367.00	2600.55	2397.01	44.99	113.11	171.70	0.66	FAIL
10813.00†	7447.00	2700.01	2316.64	10759.75	7367.00	2700.55	2396.32	44.89	112.91	175.72	0.64	FAIL
10913.00†	7447.00	2800.01	2316.23	10859.75	7367.00	2800.55	2395.64	44.79	112.72	179.76	0.63	FAIL
11013.00†	7447.00	2900.00	2315.82	10959.75	7367.00	2900.54	2394.96	44.69	112.53	183.82	0.61	FAIL
11113.00†	7447.00	3000.00	2315.41	11059.75	7367.00	3000.54	2394.27	44.59	112.34	187.89	0.60	FAIL
11213.00†	7447.00	3100.00	2315.00	11159.75	7367.00	3100.54	2393.59	44.49	112.14	191.98	0.58	FAIL
11313.00†	7447.00	3200.00	2314.59	11259.75	7367.00	3200.54	2392.91	44.39	111.95	196.07	0.57	FAIL
11413.00†	7447.00	3300.00	2314.18	11359.75	7367.00	3300.53	2392.22	44.29	111.76	200.18	0.56	FAIL
11513.00†	7447.00	3400.00	2313.77	11459.75	7367.00	3400.53	2391.54	44.19	111.57	204.30	0.54	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.19-T01S-R65W Slot: SLOT#16 CONNER 19-18-4NBH (350'FSL & 2020'FWL, SEC.19) Well: CONNER 19-18-4NBH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
11613.00†	7447.00	3500.00	2313.36	11559.75	7367.00	3500.53	2390.86	44.09	111.38	208.42	0.53	FAIL
11713.00†	7447.00	3600.00	2312.96	11659.74	7367.00	3600.53	2390.18	43.99	111.19	212.54	0.52	FAIL
11813.00†	7447.00	3700.00	2312.55	11759.74	7367.00	3700.52	2389.49	43.89	111.00	216.68	0.51	FAIL
11913.00†	7447.00	3800.00	2312.14	11859.74	7367.00	3800.52	2388.81	43.78	110.81	220.81	0.50	FAIL
12013.00†	7447.00	3900.00	2311.73	11959.74	7367.00	3900.52	2388.13	43.68	110.62	224.95	0.49	FAIL
12113.00†	7447.00	4000.00	2311.32	12059.74	7367.00	4000.52	2387.44	43.58	110.43	229.08	0.48	FAIL
12213.00†	7447.00	4099.99	2310.91	12159.74	7367.00	4100.51	2386.76	43.48	110.24	233.22	0.47	FAIL
12313.00†	7447.00	4199.99	2310.50	12259.74	7367.00	4200.51	2386.08	43.37	110.06	237.36	0.46	FAIL
12413.00†	7447.00	4299.99	2310.09	12359.74	7367.00	4300.51	2385.39	43.27	109.87	241.49	0.45	FAIL
12513.00†	7447.00	4399.99	2309.68	12459.74	7367.00	4400.50	2384.71	43.17	109.68	245.62	0.44	FAIL
12613.00†	7447.00	4499.99	2309.27	12559.74	7367.00	4500.50	2384.03	43.06	109.49	249.75	0.44	FAIL
12713.00†	7447.00	4599.99	2308.86	12659.74	7367.00	4600.50	2383.34	42.96	109.31	253.87	0.43	FAIL
12813.00†	7447.00	4699.99	2308.45	12759.74	7367.00	4700.50	2382.66	42.85	109.12	257.99	0.42	FAIL
12913.00†	7447.00	4799.99	2308.04	12859.74	7367.00	4800.49	2381.98	42.75	108.93	262.10	0.41	FAIL
13013.00†	7447.00	4899.99	2307.63	12959.74	7367.00	4900.49	2381.30	42.64	108.75	266.21	0.41	FAIL
13113.00†	7447.00	4999.99	2307.22	13059.74	7367.00	5000.49	2380.61	42.53	108.56	270.31	0.40	FAIL
13213.00†	7447.00	5099.99	2306.81	13159.74	7367.00	5100.49	2379.93	42.43	108.38	274.41	0.39	FAIL
13313.00†	7447.00	5199.98	2306.40	13259.74	7367.00	5200.48	2379.25	42.32	108.19	278.49	0.39	FAIL
13413.00†	7447.00	5299.98	2306.00	13359.74	7367.00	5300.48	2378.56	42.21	108.01	282.57	0.38	FAIL
13513.00†	7447.00	5399.98	2305.59	13459.74	7367.00	5400.48	2377.88	42.10	107.83	286.64	0.37	FAIL
13613.00†	7447.00	5499.98	2305.18	13559.74	7367.00	5500.47	2377.20	42.00	107.64	290.70	0.37	FAIL
13713.00†	7447.00	5599.98	2304.77	13659.74	7367.00	5600.47	2376.51	41.89	107.46	294.75	0.36	FAIL
13813.00†	7447.00	5699.98	2304.36	13759.74	7367.00	5700.47	2375.83	41.78	107.28	298.80	0.36	FAIL
13913.00†	7447.00	5799.98	2303.95	13859.74	7367.00	5800.47	2375.15	41.67	107.10	302.83	0.35	FAIL
14013.00†	7447.00	5899.98	2303.54	13959.74	7367.00	5900.46	2374.46	41.56	106.91	306.85	0.35	FAIL
14113.00†	7447.00	5999.98	2303.13	14059.74	7367.00	6000.46	2373.78	41.45	106.73	310.86	0.34	FAIL
14213.00†	7447.00	6099.98	2302.72	14159.74	7367.00	6100.46	2373.10	41.34	106.55	314.86	0.34	FAIL
14313.00†	7447.00	6199.98	2302.31	14259.74	7367.00	6200.46	2372.42	41.23	106.37	318.85	0.33	FAIL
14413.00†	7447.00	6299.98	2301.90	14359.73	7367.00	6300.45	2371.73	41.12	106.19	322.82	0.33	FAIL
14513.00†	7447.00	6399.97	2301.49	14459.73	7367.00	6400.45	2371.05	41.01	106.01	326.79	0.32	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.19-T01S-R65W Slot: SLOT#16 CONNER 19-18-4NBH (350'FSL & 2020'FWL, SEC.19) Well: CONNER 19-18-4NBH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
14613.00†	7447.00	6499.97	2301.08	14559.73	7367.00	6500.45	2370.37	40.90	105.83	330.74	0.32	FAIL
14713.00†	7447.00	6599.97	2300.67	14659.73	7367.00	6600.44	2369.68	40.78	105.65	334.68	0.31	FAIL
14813.00†	7447.00	6699.97	2300.26	14759.73	7367.00	6700.44	2369.00	40.67	105.47	338.61	0.31	FAIL
14913.00†	7447.00	6799.97	2299.85	14859.73	7367.00	6800.44	2368.32	40.56	105.30	342.52	0.31	FAIL
15013.00†	7447.00	6899.97	2299.44	14959.73	7367.00	6900.44	2367.63	40.44	105.12	346.42	0.30	FAIL
15113.00†	7447.00	6999.97	2299.03	15059.73	7367.00	7000.43	2366.95	40.33	104.94	350.31	0.30	FAIL
15213.00†	7447.00	7099.97	2298.63	15159.73	7367.00	7100.43	2366.27	40.22	104.76	354.18	0.29	FAIL
15313.00†	7447.00	7199.97	2298.22	15259.73	7367.00	7200.43	2365.58	40.10	104.59	358.04	0.29	FAIL
15413.00†	7447.00	7299.97	2297.81	15359.73	7367.00	7300.43	2364.90	39.99	104.41	361.88	0.29	FAIL
15513.00†	7447.00	7399.97	2297.40	15459.73	7367.00	7400.42	2364.22	39.87	104.24	365.71	0.28	FAIL
15613.00†	7447.00	7499.97	2296.99	15559.73	7367.00	7500.42	2363.53	39.76	104.06	369.53	0.28	FAIL
15713.00†	7447.00	7599.96	2296.58	15659.73	7367.00	7600.42	2362.85	39.64	103.89	373.33	0.28	FAIL
15813.00†	7447.00	7699.96	2296.17	15759.73	7367.00	7700.41	2362.17	39.52	103.71	377.11	0.27	FAIL
15913.00†	7447.00	7799.96	2295.76	15859.73	7367.00	7800.41	2361.49	39.41	103.54	380.88	0.27	FAIL
16013.00†	7447.00	7899.96	2295.35	15959.73	7367.00	7900.41	2360.80	39.29	103.36	384.63	0.27	FAIL
16113.00†	7447.00	7999.96	2294.94	16059.73	7367.00	8000.41	2360.12	39.17	103.19	388.37	0.26	FAIL
16213.00†	7447.00	8099.96	2294.53	16159.73	7367.00	8100.40	2359.44	39.05	103.02	392.09	0.26	FAIL
16313.00†	7447.00	8199.96	2294.12	16259.73	7367.00	8200.40	2358.75	38.94	102.85	395.80	0.26	FAIL
16413.00†	7447.00	8299.96	2293.71	16359.73	7367.00	8300.40	2358.07	38.82	102.68	399.49	0.26	FAIL
16513.00†	7447.00	8399.96	2293.30	16459.73	7367.00	8400.40	2357.39	38.70	102.50	403.16	0.25	FAIL
16613.00†	7447.00	8499.96	2292.89	16559.73	7367.00	8500.39	2356.70	38.58	102.33	406.81	0.25	FAIL
16713.00†	7447.00	8599.96	2292.48	16659.73	7367.00	8600.39	2356.02	38.46	102.16	410.45	0.25	FAIL
16813.00†	7447.00	8699.96	2292.07	16759.73	7367.00	8700.39	2355.34	38.34	101.99	414.07	0.25	FAIL
16913.00†	7447.00	8799.95	2291.66	16859.73	7367.00	8800.39	2354.65	38.22	101.82	417.68	0.24	FAIL
17013.00†	7447.00	8899.95	2291.26	16959.72	7367.00	8900.38	2353.97	38.10	101.65	421.27	0.24	FAIL
17113.00†	7447.00	8999.95	2290.85	17059.72	7367.00	9000.38	2353.29	37.97	101.49	424.84	0.24	FAIL
17213.00†	7447.00	9099.95	2290.44	17159.72	7367.00	9100.38	2352.61	37.85	101.32	428.39	0.24	FAIL
17313.00†	7447.00	9199.95	2290.03	17259.72	7367.00	9200.37	2351.92	37.73	101.15	431.92	0.23	FAIL
17413.00†	7447.00	9299.95	2289.62	17359.72	7367.00	9300.37	2351.24	37.61	100.98	435.44	0.23	FAIL
17513.00†	7447.00	9399.95	2289.21	17459.72	7367.00	9400.37	2350.56	37.48	100.82	438.94	0.23	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.19-T01S-R65W Slot: SLOT#16 CONNER 19-18-4NBH (350'FSL & 2020'FWL, SEC.19)						Well: CONNER 19-18-4NBH		Threshold Value=1.00	† = interpolated/extrapolated station			
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17613.00†	7447.00	9499.95	2288.80	17559.72	7367.00	9500.37	2349.87	37.36	100.65	442.41	0.23	FAIL
17713.00†	7447.00	9599.95	2288.39	17659.72	7367.00	9600.36	2349.19	37.24	100.48	445.88	0.22	FAIL
17813.00†	7447.00	9699.95	2287.98	17759.72	7367.00	9700.36	2348.51	37.11	100.32	449.32	0.22	FAIL
17913.00†	7447.00	9799.95	2287.57	17859.72	7367.00	9800.36	2347.82	36.99	100.15	452.74	0.22	FAIL
18013.00†	7447.00	9899.95	2287.16	17959.72	7367.00	9900.36	2347.14	36.86	99.99	456.15	0.22	FAIL
18031.05†	7447.00	9917.99	2287.09	17977.77	7367.00	9918.41	2347.02	36.84	99.96	456.75	0.22	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

HOLE & CASING SECTIONS - Offset Wellbore: CONNER 19-18-4NBH PWB Offset Wellpath: CONNER 19-18-4NBH PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
9.625in Casing Surface	13.00	700.00	687.00	13.00	700.00	0.00	8.55	0.00	8.55
8.5in Open Hole	700.00	17978.29	17278.29	700.00	7367.00	0.00	8.55	3023.29	719.64

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

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



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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	-14.02	-90.00	14.02	1.40	22.03	PASS
113.00†	113.00	0.00	0.00	113.00	113.00	0.00	-14.02	-90.00	14.02	1.88	12.23	PASS
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-14.02	-90.00	14.02	2.67	7.07	PASS
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-14.02	-90.00	14.02	3.50	4.90	PASS
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-14.02	-90.00	14.02	4.34	3.74	PASS
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-14.02	-90.00	14.02	5.18	3.02	PASS
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-14.02	-90.00	14.02	6.03	2.53	PASS
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-14.02	-90.00	14.02	6.37	2.35	PASS
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	-14.02	-90.00	14.02	6.50	2.30	PASS
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	-14.02	-90.00	14.02	6.81	2.18	PASS
1000.00	1000.00	0.00	0.00	1000.00	1000.00	0.00	-14.02	-90.00	14.02	7.22	2.04	PASS
1013.00†	1013.00	-0.01	0.03	1013.00	1013.00	0.00	-14.02	167.63	14.05	7.29	2.03	PASS
1113.00†	1112.97	-0.48	2.18	1113.04	1113.04	-0.01	-13.99	169.27	16.17	7.97	2.13	PASS
1213.00†	1212.80	-1.70	7.73	1213.60	1213.57	-0.53	-11.83	171.02	19.61	9.09	2.26	PASS
1313.00†	1312.38	-3.67	16.68	1314.28	1314.08	-1.90	-6.24	172.04	23.05	10.47	2.29	PASS
1413.00†	1411.57	-6.38	29.03	1415.08	1414.44	-4.10	2.80	172.61	26.48	11.76	2.33	PASS
1513.00†	1510.26	-9.83	44.74	1516.00	1514.54	-7.14	15.27	172.90	29.90	13.02	2.37	PASS
1613.00†	1608.33	-14.03	63.81	1617.05	1614.25	-11.02	31.19	172.98	33.29	14.23	2.41	PASS
1713.00†	1705.66	-18.95	86.21	1718.21	1713.43	-15.73	50.54	172.91	36.65	15.43	2.44	PASS
1813.00†	1802.13	-24.60	111.92	1819.50	1811.96	-21.28	73.30	172.74	39.98	16.61	2.47	PASS
1913.00†	1897.62	-30.97	140.89	1920.90	1909.71	-27.66	99.47	172.48	43.28	17.79	2.49	PASS
2013.00†	1992.02	-38.05	173.11	2022.42	2006.56	-34.86	129.02	172.15	46.54	19.00	2.51	PASS
2102.58	2075.56	-44.99	204.69	2113.46	2092.45	-42.01	158.34	171.81	49.42	20.03	2.52	PASS
2113.00†	2085.22	-45.83	208.51	2124.05	2102.38	-42.88	161.92	171.76	49.74	20.15	2.52	PASS
2213.00†	2177.90	-53.89	245.17	2224.70	2196.28	-51.47	197.13	171.12	51.49	21.17	2.48	PASS
2313.00†	2270.59	-61.95	281.84	2324.69	2289.47	-60.05	232.35	170.48	53.01	22.24	2.43	PASS
2413.00†	2363.27	-70.01	318.51	2424.68	2382.65	-68.63	267.56	169.87	54.53	23.37	2.38	PASS
2513.00†	2455.96	-78.07	355.18	2524.67	2475.84	-77.22	302.78	169.29	56.05	24.54	2.32	PASS
2613.00†	2548.64	-86.13	391.85	2624.65	2569.02	-85.80	338.00	168.74	57.58	25.77	2.27	PASS
2713.00†	2641.33	-94.19	428.52	2724.64	2662.21	-94.38	373.21	168.23	59.12	27.03	2.22	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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†	2734.01	-102.25	465.19	2824.63	2755.39	-102.97	408.43	167.73	60.66	28.34	2.17	PASS
2913.00†	2826.69	-110.31	501.86	2924.61	2848.58	-111.55	443.64	167.27	62.20	29.67	2.12	PASS
3013.00†	2919.38	-118.37	538.53	3024.60	2941.77	-120.13	478.86	166.82	63.75	31.05	2.08	PASS
3113.00†	3012.06	-126.43	575.19	3124.59	3034.95	-128.72	514.08	166.40	65.30	32.45	2.04	PASS
3213.00†	3104.75	-134.49	611.86	3224.57	3128.14	-137.30	549.29	166.00	66.86	33.88	1.99	PASS
3313.00†	3197.43	-142.55	648.53	3324.56	3221.32	-145.88	584.51	165.61	68.42	35.34	1.96	PASS
3413.00†	3290.12	-150.61	685.20	3424.55	3314.51	-154.47	619.72	165.24	69.98	36.82	1.92	PASS
3513.00†	3382.80	-158.67	721.87	3524.53	3407.69	-163.05	654.94	164.89	71.54	38.32	1.88	PASS
3613.00†	3475.49	-166.73	758.54	3624.52	3500.88	-171.63	690.15	164.55	73.11	39.84	1.85	PASS
3713.00†	3568.17	-174.79	795.21	3724.51	3594.06	-180.22	725.37	164.23	74.68	41.38	1.82	PASS
3813.00†	3660.86	-182.85	831.88	3824.49	3687.25	-188.80	760.59	163.92	76.25	42.94	1.79	PASS
3913.00†	3753.54	-190.91	868.55	3924.48	3780.43	-197.38	795.80	163.62	77.83	44.52	1.76	PASS
4013.00†	3846.23	-198.97	905.21	4024.47	3873.62	-205.97	831.02	163.34	79.40	46.11	1.73	PASS
4113.00†	3938.91	-207.03	941.88	4124.45	3966.81	-214.55	866.23	163.06	80.98	47.72	1.71	PASS
4213.00†	4031.59	-215.09	978.55	4224.44	4059.99	-223.13	901.45	162.80	82.56	49.34	1.68	PASS
4313.00†	4124.28	-223.15	1015.22	4324.43	4153.18	-231.72	936.67	162.55	84.14	50.97	1.66	PASS
4413.00†	4216.96	-231.21	1051.89	4424.41	4246.36	-240.30	971.88	162.30	85.72	52.61	1.64	PASS
4513.00†	4309.65	-239.27	1088.56	4524.40	4339.55	-248.88	1007.10	162.07	87.31	54.27	1.62	PASS
4613.00†	4402.33	-247.33	1125.23	4624.39	4432.73	-257.47	1042.31	161.84	88.89	55.93	1.60	PASS
4713.00†	4495.02	-255.39	1161.90	4724.38	4525.92	-266.05	1077.53	161.62	90.48	57.61	1.58	PASS
4813.00†	4587.70	-263.45	1198.57	4824.36	4619.10	-274.63	1112.75	161.41	92.07	59.29	1.56	PASS
4913.00†	4680.39	-271.51	1235.23	4924.35	4712.29	-283.22	1147.96	161.20	93.66	60.99	1.54	PASS
5013.00†	4773.07	-279.57	1271.90	5024.34	4805.47	-291.80	1183.18	161.01	95.25	62.69	1.53	PASS
5113.00†	4865.76	-287.63	1308.57	5124.32	4898.66	-300.38	1218.39	160.81	96.84	64.40	1.51	PASS
5213.00†	4958.44	-295.69	1345.24	5224.31	4991.85	-308.97	1253.61	160.63	98.43	66.12	1.49	PASS
5313.00†	5051.12	-303.75	1381.91	5324.30	5085.03	-317.55	1288.82	160.45	100.03	67.84	1.48	PASS
5413.00†	5143.81	-311.81	1418.58	5424.28	5178.22	-326.14	1324.04	160.28	101.62	69.57	1.47	PASS
5513.00†	5236.49	-319.87	1455.25	5524.27	5271.40	-334.72	1359.26	160.11	103.22	71.31	1.45	PASS
5613.00†	5329.18	-327.93	1491.92	5624.26	5364.59	-343.30	1394.47	159.95	104.81	73.05	1.44	PASS
5713.00†	5421.86	-335.99	1528.59	5724.24	5457.77	-351.89	1429.69	159.79	106.41	74.80	1.43	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.19-T01S-R65W Slot: SLOT#14 CONNER 19-18-4NXH (350'FSL & 1990'FWL, SEC.19) Well: CONNER 19-18-4NXH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5813.00†	5514.55	-344.05	1565.25	5824.23	5550.96	-360.47	1464.90	159.63	108.01	76.56	1.41	PASS
5913.00†	5607.23	-352.11	1601.92	5924.22	5644.14	-369.05	1500.12	159.49	109.61	78.32	1.40	PASS
6013.00†	5699.92	-360.17	1638.59	6024.20	5737.33	-377.64	1535.34	159.34	111.21	80.08	1.39	PASS
6113.00†	5792.60	-368.23	1675.26	6124.19	5830.51	-386.22	1570.55	159.20	112.81	81.85	1.38	PASS
6213.00†	5885.29	-376.29	1711.93	6224.18	5923.70	-394.80	1605.77	159.06	114.41	83.63	1.37	PASS
6313.00†	5977.97	-384.34	1748.60	6324.16	6016.89	-403.39	1640.98	158.93	116.01	85.41	1.36	PASS
6413.00†	6070.66	-392.40	1785.27	6424.15	6110.07	-411.97	1676.20	158.80	117.61	87.19	1.35	PASS
6513.00†	6163.34	-400.46	1821.94	6524.14	6203.26	-420.55	1711.42	158.68	119.21	88.98	1.34	PASS
6613.00†	6256.02	-408.52	1858.61	6624.12	6296.44	-429.14	1746.63	158.55	120.82	90.77	1.33	PASS
6713.00†	6348.71	-416.58	1895.27	6724.11	6389.63	-437.72	1781.85	158.43	122.42	92.56	1.33	PASS
6813.00†	6441.39	-424.64	1931.94	6824.10	6482.81	-446.30	1817.06	158.32	124.02	94.36	1.32	PASS
6913.00†	6534.08	-432.70	1968.61	6924.09	6576.00	-454.89	1852.28	158.21	125.63	96.16	1.31	PASS
7013.00†	6626.76	-440.76	2005.28	7025.53	6670.62	-462.36	1888.04	158.64	127.03	97.20	1.31	PASS
7113.00†	6719.45	-448.82	2041.95	7127.10	6765.27	-455.44	1923.85	165.47	126.85	90.43	1.41	PASS
7213.00†	6812.13	-456.88	2078.62	7220.71	6850.24	-433.34	1956.03	178.54	130.52	83.36	1.57	PASS
7275.88	6870.41	-461.95	2101.68	7273.88	6896.63	-414.29	1973.61	-171.98	139.14	85.95	1.62	PASS
7313.00†	6904.88	-463.74	2115.31	7303.55	6921.74	-401.68	1983.14	-156.82	146.99	89.68	1.64	PASS
7413.00†	6997.54	-456.62	2151.90	7380.74	6983.88	-362.53	2006.73	-119.71	173.54	98.45	1.77	PASS
7513.00†	7087.66	-432.31	2187.43	7454.76	7038.32	-316.94	2027.42	-92.70	203.34	101.18	2.02	PASS
7613.00†	7172.51	-391.55	2220.80	7526.36	7085.33	-266.05	2045.31	-75.03	232.70	98.55	2.37	PASS
7713.00†	7249.51	-335.57	2251.01	7596.12	7125.06	-210.81	2060.47	-63.56	259.53	92.50	2.82	PASS
7813.00†	7316.32	-266.08	2277.13	7664.49	7157.64	-152.05	2072.92	-55.97	282.64	84.60	3.36	PASS
7913.00†	7370.91	-185.19	2298.38	7731.83	7183.10	-90.52	2082.69	-50.94	301.25	76.20	3.98	PASS
8013.00†	7411.62	-95.36	2314.10	7798.45	7201.47	-26.92	2089.79	-47.71	314.90	68.64	4.63	PASS
8113.00†	7437.22	0.69	2323.82	7864.59	7212.76	38.07	2094.21	-45.86	323.27	63.37	5.15	PASS
8213.00†	7446.92	100.03	2327.25	7930.50	7216.97	103.79	2095.95	-45.17	326.18	61.64	5.34	PASS
8222.97	7447.00	110.00	2327.24	7937.26	7217.00	110.54	2095.98	-45.16	326.16	61.62	5.34	PASS
8313.00†	7447.00	200.03	2326.88	8027.28	7217.00	200.57	2096.19	-45.09	325.75	61.91	5.31	PASS
8413.00†	7447.00	300.03	2326.47	8127.28	7217.00	300.56	2096.43	-45.01	325.30	62.66	5.24	PASS
8513.00†	7447.00	400.03	2326.06	8227.28	7217.00	400.56	2096.66	-44.92	324.84	63.77	5.14	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.19-T01S-R65W Slot: SLOT#14 CONNER 19-18-4NXH (350'FSL & 1990'FWL, SEC.19) Well: CONNER 19-18-4NXH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8613.00†	7447.00	500.02	2325.65	8327.28	7217.00	500.56	2096.89	-44.84	324.39	65.22	5.02	PASS
8713.00†	7447.00	600.02	2325.24	8427.27	7217.00	600.56	2097.13	-44.76	323.94	66.77	4.89	PASS
8813.00†	7447.00	700.02	2324.83	8527.27	7217.00	700.55	2097.36	-44.68	323.48	69.01	4.73	PASS
8913.00†	7447.00	800.02	2324.42	8627.27	7217.00	800.55	2097.60	-44.60	323.03	71.30	4.57	PASS
9013.00†	7447.00	900.02	2324.01	8727.27	7217.00	900.55	2097.83	-44.52	322.58	73.82	4.40	PASS
9113.00†	7447.00	1000.02	2323.60	8827.26	7217.00	1000.55	2098.06	-44.44	322.13	76.55	4.24	PASS
9213.00†	7447.00	1100.02	2323.19	8927.26	7217.00	1100.55	2098.30	-44.36	321.68	79.46	4.08	PASS
9313.00†	7447.00	1200.02	2322.78	9027.26	7217.00	1200.54	2098.53	-44.27	321.23	82.53	3.92	PASS
9413.00†	7447.00	1300.02	2322.37	9127.26	7217.00	1300.54	2098.77	-44.19	320.78	85.74	3.76	PASS
9513.00†	7447.00	1400.02	2321.96	9227.26	7217.00	1400.54	2099.00	-44.11	320.33	89.07	3.62	PASS
9613.00†	7447.00	1500.02	2321.55	9327.25	7217.00	1500.54	2099.23	-44.03	319.89	92.52	3.48	PASS
9713.00†	7447.00	1600.02	2321.14	9427.25	7217.00	1600.53	2099.47	-43.94	319.44	96.06	3.34	PASS
9813.00†	7447.00	1700.01	2320.73	9527.25	7217.00	1700.53	2099.70	-43.86	318.99	99.68	3.22	PASS
9913.00†	7447.00	1800.01	2320.33	9627.25	7217.00	1800.53	2099.94	-43.78	318.55	103.38	3.10	PASS
10013.00†	7447.00	1900.01	2319.92	9727.25	7217.00	1900.53	2100.17	-43.69	318.10	107.14	2.98	PASS
10113.00†	7447.00	2000.01	2319.51	9827.24	7217.00	2000.52	2100.40	-43.61	317.66	110.96	2.87	PASS
10213.00†	7447.00	2100.01	2319.10	9927.24	7217.00	2100.52	2100.64	-43.53	317.21	114.83	2.77	PASS
10313.00†	7447.00	2200.01	2318.69	10027.24	7217.00	2200.52	2100.87	-43.44	316.77	118.74	2.68	PASS
10413.00†	7447.00	2300.01	2318.28	10127.24	7217.00	2300.52	2101.11	-43.36	316.33	122.68	2.59	PASS
10513.00†	7447.00	2400.01	2317.87	10227.24	7217.00	2400.52	2101.34	-43.27	315.89	126.66	2.50	PASS
10613.00†	7447.00	2500.01	2317.46	10327.23	7217.00	2500.51	2101.57	-43.19	315.45	130.67	2.42	PASS
10713.00†	7447.00	2600.01	2317.05	10427.23	7217.00	2600.51	2101.81	-43.10	315.01	134.71	2.35	PASS
10813.00†	7447.00	2700.01	2316.64	10527.23	7217.00	2700.51	2102.04	-43.02	314.57	138.76	2.27	PASS
10913.00†	7447.00	2800.01	2316.23	10627.23	7217.00	2800.51	2102.27	-42.93	314.13	142.84	2.21	PASS
11013.00†	7447.00	2900.00	2315.82	10727.23	7217.00	2900.50	2102.51	-42.84	313.69	146.93	2.14	PASS
11113.00†	7447.00	3000.00	2315.41	10827.22	7217.00	3000.50	2102.74	-42.76	313.25	151.03	2.08	PASS
11213.00†	7447.00	3100.00	2315.00	10927.22	7217.00	3100.50	2102.98	-42.67	312.82	155.14	2.02	PASS
11313.00†	7447.00	3200.00	2314.59	11027.22	7217.00	3200.50	2103.21	-42.58	312.38	159.27	1.97	PASS
11413.00†	7447.00	3300.00	2314.18	11127.22	7217.00	3300.49	2103.44	-42.50	311.95	163.40	1.91	PASS
11513.00†	7447.00	3400.00	2313.77	11227.22	7217.00	3400.49	2103.68	-42.41	311.51	167.54	1.86	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.19-T01S-R65W Slot: SLOT#14 CONNER 19-18-4NXH (350'FSL & 1990'FWL, SEC.19) Well: CONNER 19-18-4NXH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
11613.00†	7447.00	3500.00	2313.36	11327.21	7217.00	3500.49	2103.91	-42.32	311.08	171.68	1.82	PASS
11713.00†	7447.00	3600.00	2312.96	11427.21	7217.00	3600.49	2104.15	-42.24	310.65	175.82	1.77	PASS
11813.00†	7447.00	3700.00	2312.55	11527.21	7217.00	3700.48	2104.38	-42.15	310.21	179.97	1.73	PASS
11913.00†	7447.00	3800.00	2312.14	11627.21	7217.00	3800.48	2104.61	-42.06	309.78	184.12	1.69	PASS
12013.00†	7447.00	3900.00	2311.73	11727.20	7217.00	3900.48	2104.85	-41.97	309.35	188.27	1.65	PASS
12113.00†	7447.00	4000.00	2311.32	11827.20	7217.00	4000.48	2105.08	-41.88	308.92	192.42	1.61	PASS
12213.00†	7447.00	4099.99	2310.91	11927.20	7217.00	4100.48	2105.32	-41.79	308.49	196.56	1.57	PASS
12313.00†	7447.00	4199.99	2310.50	12027.20	7217.00	4200.47	2105.55	-41.70	308.07	200.71	1.54	PASS
12413.00†	7447.00	4299.99	2310.09	12127.20	7217.00	4300.47	2105.78	-41.61	307.64	204.85	1.50	PASS
12513.00†	7447.00	4399.99	2309.68	12227.19	7217.00	4400.47	2106.02	-41.52	307.21	208.98	1.47	PASS
12613.00†	7447.00	4499.99	2309.27	12327.19	7217.00	4500.47	2106.25	-41.43	306.78	213.12	1.44	PASS
12713.00†	7447.00	4599.99	2308.86	12427.19	7217.00	4600.46	2106.49	-41.34	306.36	217.24	1.41	PASS
12813.00†	7447.00	4699.99	2308.45	12527.19	7217.00	4700.46	2106.72	-41.25	305.93	221.37	1.38	PASS
12913.00†	7447.00	4799.99	2308.04	12627.19	7217.00	4800.46	2106.95	-41.16	305.51	225.48	1.36	PASS
13013.00†	7447.00	4899.99	2307.63	12727.18	7217.00	4900.46	2107.19	-41.07	305.09	229.59	1.33	PASS
13113.00†	7447.00	4999.99	2307.22	12827.18	7217.00	5000.45	2107.42	-40.98	304.67	233.69	1.30	PASS
13213.00†	7447.00	5099.99	2306.81	12927.18	7217.00	5100.45	2107.66	-40.89	304.24	237.79	1.28	PASS
13313.00†	7447.00	5199.98	2306.40	13027.18	7217.00	5200.45	2107.89	-40.80	303.82	241.88	1.26	PASS
13413.00†	7447.00	5299.98	2306.00	13127.18	7217.00	5300.45	2108.12	-40.71	303.40	245.96	1.23	PASS
13513.00†	7447.00	5399.98	2305.59	13227.17	7217.00	5400.44	2108.36	-40.61	302.98	250.03	1.21	PASS
13613.00†	7447.00	5499.98	2305.18	13327.17	7217.00	5500.44	2108.59	-40.52	302.57	254.09	1.19	PASS
13713.00†	7447.00	5599.98	2304.77	13427.17	7217.00	5600.44	2108.83	-40.43	302.15	258.15	1.17	PASS
13813.00†	7447.00	5699.98	2304.36	13527.17	7217.00	5700.44	2109.06	-40.34	301.73	262.19	1.15	PASS
13913.00†	7447.00	5799.98	2303.95	13627.17	7217.00	5800.44	2109.29	-40.24	301.31	266.23	1.13	PASS
14013.00†	7447.00	5899.98	2303.54	13727.16	7217.00	5900.43	2109.53	-40.15	300.90	270.25	1.11	PASS
14113.00†	7447.00	5999.98	2303.13	13827.16	7217.00	6000.43	2109.76	-40.05	300.49	274.27	1.10	PASS
14213.00†	7447.00	6099.98	2302.72	13927.16	7217.00	6100.43	2110.00	-39.96	300.07	278.27	1.08	PASS
14313.00†	7447.00	6199.98	2302.31	14027.16	7217.00	6200.43	2110.23	-39.87	299.66	282.27	1.06	PASS
14413.00†	7447.00	6299.98	2301.90	14127.16	7217.00	6300.42	2110.46	-39.77	299.25	286.25	1.05	PASS
14513.00†	7447.00	6399.97	2301.49	14227.15	7217.00	6400.42	2110.70	-39.68	298.84	290.22	1.03	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.19-T01S-R65W Slot: SLOT#14 CONNER 19-18-4NXH (350'FSL & 1990'FWL, SEC.19) Well: CONNER 19-18-4NXH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
14613.00†	7447.00	6499.97	2301.08	14327.15	7217.00	6500.42	2110.93	-39.58	298.43	294.19	1.01	PASS
14713.00†	7447.00	6599.97	2300.67	14427.15	7217.00	6600.42	2111.16	-39.49	298.02	298.14	1.00	FAIL
14813.00†	7447.00	6699.97	2300.26	14527.15	7217.00	6700.41	2111.40	-39.39	297.61	302.07	0.99	FAIL
14913.00†	7447.00	6799.97	2299.85	14627.14	7217.00	6800.41	2111.63	-39.30	297.20	306.00	0.97	FAIL
15013.00†	7447.00	6899.97	2299.44	14727.14	7217.00	6900.41	2111.87	-39.20	296.79	309.92	0.96	FAIL
15113.00†	7447.00	6999.97	2299.03	14827.14	7217.00	7000.41	2112.10	-39.10	296.39	313.82	0.94	FAIL
15213.00†	7447.00	7099.97	2298.63	14927.14	7217.00	7100.40	2112.33	-39.01	295.98	317.71	0.93	FAIL
15313.00†	7447.00	7199.97	2298.22	15027.14	7217.00	7200.40	2112.57	-38.91	295.58	321.59	0.92	FAIL
15413.00†	7447.00	7299.97	2297.81	15127.13	7217.00	7300.40	2112.80	-38.81	295.17	325.46	0.91	FAIL
15513.00†	7447.00	7399.97	2297.40	15227.13	7217.00	7400.40	2113.04	-38.71	294.77	329.31	0.89	FAIL
15613.00†	7447.00	7499.97	2296.99	15327.13	7217.00	7500.40	2113.27	-38.62	294.37	333.16	0.88	FAIL
15713.00†	7447.00	7599.96	2296.58	15427.13	7217.00	7600.39	2113.50	-38.52	293.97	336.98	0.87	FAIL
15813.00†	7447.00	7699.96	2296.17	15527.13	7217.00	7700.39	2113.74	-38.42	293.57	340.80	0.86	FAIL
15913.00†	7447.00	7799.96	2295.76	15627.12	7217.00	7800.39	2113.97	-38.32	293.17	344.60	0.85	FAIL
16013.00†	7447.00	7899.96	2295.35	15727.12	7217.00	7900.39	2114.21	-38.22	292.77	348.39	0.84	FAIL
16113.00†	7447.00	7999.96	2294.94	15827.12	7217.00	8000.38	2114.44	-38.12	292.37	352.17	0.83	FAIL
16213.00†	7447.00	8099.96	2294.53	15927.12	7217.00	8100.38	2114.67	-38.02	291.97	355.93	0.82	FAIL
16313.00†	7447.00	8199.96	2294.12	16027.12	7217.00	8200.38	2114.91	-37.93	291.58	359.68	0.81	FAIL
16413.00†	7447.00	8299.96	2293.71	16127.11	7217.00	8300.38	2115.14	-37.83	291.18	363.41	0.80	FAIL
16513.00†	7447.00	8399.96	2293.30	16227.11	7217.00	8400.37	2115.38	-37.73	290.79	367.14	0.79	FAIL
16613.00†	7447.00	8499.96	2292.89	16327.11	7217.00	8500.37	2115.61	-37.62	290.40	370.84	0.78	FAIL
16713.00†	7447.00	8599.96	2292.48	16427.11	7217.00	8600.37	2115.84	-37.52	290.00	374.54	0.77	FAIL
16813.00†	7447.00	8699.96	2292.07	16527.11	7217.00	8700.37	2116.08	-37.42	289.61	378.21	0.77	FAIL
16913.00†	7447.00	8799.95	2291.66	16627.10	7217.00	8800.37	2116.31	-37.32	289.22	381.88	0.76	FAIL
17013.00†	7447.00	8899.95	2291.26	16727.10	7217.00	8900.36	2116.55	-37.22	288.83	385.53	0.75	FAIL
17113.00†	7447.00	8999.95	2290.85	16827.10	7217.00	9000.36	2116.78	-37.12	288.44	389.16	0.74	FAIL
17213.00†	7447.00	9099.95	2290.44	16927.10	7217.00	9100.36	2117.01	-37.02	288.05	392.79	0.73	FAIL
17313.00†	7447.00	9199.95	2290.03	17027.10	7217.00	9200.36	2117.25	-36.91	287.67	396.39	0.73	FAIL
17413.00†	7447.00	9299.95	2289.62	17127.09	7217.00	9300.35	2117.48	-36.81	287.28	399.98	0.72	FAIL
17513.00†	7447.00	9399.95	2289.21	17227.09	7217.00	9400.35	2117.72	-36.71	286.90	403.56	0.71	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.19-T01S-R65W Slot: SLOT#14 CONNER 19-18-4NXH (350'FSL & 1990'FWL, SEC.19) Well: CONNER 19-18-4NXH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17613.00†	7447.00	9499.95	2288.80	17327.09	7217.00	9500.35	2117.95	-36.61	286.51	407.12	0.70	FAIL
17713.00†	7447.00	9599.95	2288.39	17427.09	7217.00	9600.35	2118.18	-36.50	286.13	410.67	0.70	FAIL
17813.00†	7447.00	9699.95	2287.98	17527.08	7217.00	9700.34	2118.42	-36.40	285.75	414.20	0.69	FAIL
17913.00†	7447.00	9799.95	2287.57	17627.08	7217.00	9800.34	2118.65	-36.29	285.37	417.72	0.68	FAIL
18013.00†	7447.00	9899.95	2287.16	17727.08	7217.00	9900.34	2118.89	-36.19	284.99	421.22	0.68	FAIL
18027.91†	7447.00	9914.86	2287.10	17741.99	7217.00	9915.25	2118.92	-36.17	284.93	421.73	0.68	FAIL
18031.05	7447.00	9918.00	2287.09	17741.99	7217.00	9915.25	2118.92	-36.17	284.93	419.85	0.68	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

HOLE & CASING SECTIONS - Offset Wellbore: CONNER 19-18-4NXH PWB Offset Wellpath: CONNER 19-18-4NXH PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
9.625in Casing Surface	13.00	700.00	687.00	13.00	700.00	0.00	-8.55	0.00	-8.55
8.5in Open Hole	700.00	17741.99	17041.99	700.00	7217.00	0.00	-8.55	3022.17	641.58

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

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



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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	-30.84	-90.00	30.84	1.40	50.07	PASS	
113.00†	113.00	0.00	0.00	113.00	113.00	0.00	-30.84	-90.00	30.84	2.03	24.39	PASS	
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-30.84	-90.00	30.84	3.04	13.45	PASS	
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-30.84	-90.00	30.84	4.08	9.15	PASS	
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-30.84	-90.00	30.84	5.15	6.92	PASS	
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-30.84	-90.00	30.84	6.21	5.55	PASS	
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-30.84	-90.00	30.84	7.28	4.64	PASS	
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-30.84	-90.00	30.84	7.73	4.29	PASS	
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	-30.84	-90.00	30.84	7.83	4.23	PASS	
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	-30.84	-90.00	30.84	8.07	4.09	PASS	
1000.00	1000.00	0.00	0.00	1000.00	1000.00	0.00	-30.84	-90.00	30.84	8.40	3.92	PASS	
1013.00†	1013.00	-0.01	0.03	1013.00	1013.00	0.00	-30.84	167.62	30.87	8.46	3.89	PASS	
1113.00†	1112.97	-0.48	2.18	1112.97	1112.97	0.00	-30.84	168.43	33.02	9.05	3.88	PASS	
1213.00†	1212.80	-1.70	7.73	1212.97	1212.97	-0.01	-30.81	170.09	38.58	9.96	4.09	PASS	
1313.00†	1312.38	-3.67	16.68	1314.18	1314.15	-0.63	-28.66	171.42	45.48	10.97	4.36	PASS	
1413.00†	1411.57	-6.38	29.03	1415.63	1415.43	-2.26	-23.05	172.13	52.38	12.21	4.49	PASS	
1513.00†	1510.26	-9.83	44.74	1517.34	1516.69	-4.90	-13.98	172.43	59.28	13.41	4.61	PASS	
1613.00†	1608.33	-14.03	63.81	1619.29	1617.79	-8.55	-1.43	172.46	66.15	14.58	4.72	PASS	
1713.00†	1705.66	-18.95	86.21	1721.49	1718.61	-13.21	14.61	172.29	72.99	15.75	4.80	PASS	
1813.00†	1802.13	-24.60	111.92	1823.93	1819.01	-18.89	34.14	171.97	79.79	16.91	4.88	PASS	
1913.00†	1897.62	-30.97	140.89	1926.62	1918.85	-25.58	57.17	171.53	86.54	18.07	4.94	PASS	
2013.00†	1992.02	-38.05	173.11	2029.55	2018.00	-33.29	83.68	171.01	93.24	19.23	5.00	PASS	
2102.58	2075.56	-44.99	204.69	2119.54	2104.08	-40.62	108.90	170.59	100.04	20.23	5.09	PASS	
2113.00†	2085.22	-45.83	208.51	2129.91	2114.00	-41.46	111.81	170.56	100.98	20.37	5.10	PASS	
2213.00†	2177.90	-53.89	245.17	2229.50	2209.23	-49.59	139.79	170.32	110.03	21.30	5.31	PASS	
2313.00†	2270.59	-61.95	281.84	2329.09	2304.46	-57.73	167.77	170.11	119.07	22.33	5.47	PASS	
2413.00†	2363.27	-70.01	318.51	2428.68	2399.69	-65.86	195.75	169.93	128.12	23.40	5.61	PASS	
2513.00†	2455.96	-78.07	355.18	2528.27	2494.93	-73.99	223.73	169.78	137.17	24.51	5.73	PASS	
2613.00†	2548.64	-86.13	391.85	2627.86	2590.16	-82.12	251.71	169.65	146.22	25.64	5.84	PASS	
2713.00†	2641.33	-94.19	428.52	2727.45	2685.39	-90.26	279.69	169.53	155.27	26.80	5.92	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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†	2734.01	-102.25	465.19	2827.04	2780.62	-98.39	307.67	169.42	164.32	27.98	6.00	PASS	
2913.00†	2826.69	-110.31	501.86	2926.63	2875.85	-106.52	335.65	169.33	173.37	29.18	6.06	PASS	
3013.00†	2919.38	-118.37	538.53	3026.22	2971.08	-114.65	363.63	169.24	182.42	30.40	6.12	PASS	
3113.00†	3012.06	-126.43	575.19	3125.81	3066.31	-122.78	391.60	169.16	191.47	31.64	6.17	PASS	
3213.00†	3104.75	-134.49	611.86	3225.39	3161.55	-130.92	419.58	169.09	200.52	32.89	6.21	PASS	
3313.00†	3197.43	-142.55	648.53	3324.98	3256.78	-139.05	447.56	169.03	209.58	34.15	6.25	PASS	
3413.00†	3290.12	-150.61	685.20	3424.57	3352.01	-147.18	475.54	168.97	218.63	35.42	6.28	PASS	
3513.00†	3382.80	-158.67	721.87	3524.16	3447.24	-155.31	503.52	168.92	227.68	36.70	6.31	PASS	
3613.00†	3475.49	-166.73	758.54	3623.75	3542.47	-163.44	531.50	168.87	236.74	37.99	6.33	PASS	
3713.00†	3568.17	-174.79	795.21	3723.34	3637.70	-171.58	559.48	168.82	245.79	39.28	6.35	PASS	
3813.00†	3660.86	-182.85	831.88	3822.93	3732.93	-179.71	587.46	168.78	254.84	40.59	6.37	PASS	
3913.00†	3753.54	-190.91	868.55	3922.52	3828.17	-187.84	615.44	168.74	263.90	41.90	6.39	PASS	
4013.00†	3846.23	-198.97	905.21	4022.11	3923.40	-195.97	643.42	168.70	272.95	43.21	6.40	PASS	
4113.00†	3938.91	-207.03	941.88	4121.70	4018.63	-204.11	671.40	168.66	282.00	44.53	6.42	PASS	
4213.00†	4031.59	-215.09	978.55	4221.29	4113.86	-212.24	699.38	168.63	291.06	45.86	6.43	PASS	
4313.00†	4124.28	-223.15	1015.22	4320.87	4209.09	-220.37	727.36	168.60	300.11	47.19	6.44	PASS	
4413.00†	4216.96	-231.21	1051.89	4420.46	4304.32	-228.50	755.34	168.57	309.17	48.52	6.45	PASS	
4513.00†	4309.65	-239.27	1088.56	4520.05	4399.55	-236.63	783.31	168.54	318.22	49.86	6.46	PASS	
4613.00†	4402.33	-247.33	1125.23	4619.64	4494.79	-244.77	811.29	168.52	327.27	51.20	6.47	PASS	
4713.00†	4495.02	-255.39	1161.90	4719.23	4590.02	-252.90	839.27	168.49	336.33	52.55	6.47	PASS	
4813.00†	4587.70	-263.45	1198.57	4818.82	4685.25	-261.03	867.25	168.47	345.38	53.90	6.48	PASS	
4913.00†	4680.39	-271.51	1235.23	4918.41	4780.48	-269.16	895.23	168.45	354.44	55.25	6.49	PASS	
5013.00†	4773.07	-279.57	1271.90	5018.00	4875.71	-277.29	923.21	168.43	363.49	56.60	6.49	PASS	
5113.00†	4865.76	-287.63	1308.57	5117.59	4970.94	-285.43	951.19	168.41	372.55	57.95	6.50	PASS	
5213.00†	4958.44	-295.69	1345.24	5217.18	5066.17	-293.56	979.17	168.39	381.60	59.31	6.50	PASS	
5313.00†	5051.12	-303.75	1381.91	5316.77	5161.41	-301.69	1007.15	168.37	390.66	60.67	6.50	PASS	
5413.00†	5143.81	-311.81	1418.58	5416.36	5256.64	-309.82	1035.13	168.35	399.71	62.03	6.51	PASS	
5513.00†	5236.49	-319.87	1455.25	5515.94	5351.87	-317.96	1063.11	168.33	408.76	63.39	6.51	PASS	
5613.00†	5329.18	-327.93	1491.92	5615.53	5447.10	-326.09	1091.09	168.32	417.82	64.76	6.51	PASS	
5713.00†	5421.86	-335.99	1528.59	5715.12	5542.33	-334.22	1119.07	168.30	426.87	66.12	6.51	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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†	5514.55	-344.05	1565.25	5814.71	5637.56	-342.35	1147.05	168.29	435.93	67.49	6.52	PASS	
5913.00†	5607.23	-352.11	1601.92	5914.30	5732.79	-350.48	1175.02	168.27	444.98	68.86	6.52	PASS	
6013.00†	5699.92	-360.17	1638.59	6013.89	5828.03	-358.62	1203.00	168.26	454.04	70.23	6.52	PASS	
6113.00†	5792.60	-368.23	1675.26	6113.48	5923.26	-366.75	1230.98	168.25	463.09	71.60	6.52	PASS	
6213.00†	5885.29	-376.29	1711.93	6213.07	6018.49	-374.88	1258.96	168.24	472.15	72.97	6.52	PASS	
6313.00†	5977.97	-384.34	1748.60	6312.66	6113.72	-383.01	1286.94	168.22	481.20	74.35	6.52	PASS	
6413.00†	6070.66	-392.40	1785.27	6412.25	6208.95	-391.14	1314.92	168.21	490.26	75.72	6.53	PASS	
6513.00†	6163.34	-400.46	1821.94	6511.84	6304.18	-399.28	1342.90	168.20	499.31	77.10	6.53	PASS	
6613.00†	6256.02	-408.52	1858.61	6611.43	6399.41	-407.41	1370.88	168.19	508.37	78.48	6.53	PASS	
6713.00†	6348.71	-416.58	1895.27	6711.01	6494.65	-415.54	1398.86	168.18	517.42	79.85	6.53	PASS	
6813.00†	6441.39	-424.64	1931.94	6810.60	6589.88	-423.67	1426.84	168.17	526.48	81.23	6.53	PASS	
6913.00†	6534.08	-432.70	1968.61	6910.19	6685.11	-431.81	1454.82	168.16	535.53	82.61	6.53	PASS	
7013.00†	6626.76	-440.76	2005.28	7009.78	6780.34	-439.94	1482.80	168.15	544.59	83.99	6.53	PASS	
7113.00†	6719.45	-448.82	2041.95	7109.37	6875.57	-448.07	1510.78	168.14	553.64	85.37	6.53	PASS	
7213.00†	6812.13	-456.88	2078.62	7208.96	6970.80	-456.20	1538.76	168.13	562.70	86.75	6.53	PASS	
7275.88	6870.41	-461.95	2101.68	7271.59	7030.70	-461.26	1556.35	168.14	568.39	87.61	6.53	PASS	
7313.00†	6904.88	-463.74	2115.31	7308.58	7066.16	-462.55	1566.78	177.73	571.75	88.04	6.54	PASS	
7413.00†	6997.54	-456.62	2151.90	7408.10	7161.17	-454.21	1594.73	-157.13	580.71	88.94	6.57	PASS	
7513.00†	7087.66	-432.31	2187.43	7507.45	7253.21	-428.93	1621.85	-138.28	589.31	89.54	6.63	PASS	
7613.00†	7172.51	-391.55	2220.80	7606.68	7339.58	-387.53	1647.35	-126.07	597.30	89.84	6.69	PASS	
7713.00†	7249.51	-335.57	2251.01	7705.84	7417.74	-331.29	1670.47	-118.23	604.43	89.95	6.77	PASS	
7813.00†	7316.32	-266.08	2277.13	7804.97	7485.42	-261.87	1690.54	-113.09	610.49	90.02	6.83	PASS	
7913.00†	7370.91	-185.19	2298.38	7904.08	7540.60	-181.34	1706.97	-109.69	615.28	90.20	6.87	PASS	
8013.00†	7411.62	-95.36	2314.10	8003.19	7581.65	-92.12	1719.26	-107.52	618.67	90.58	6.88	PASS	
8113.00†	7437.22	0.69	2323.82	8102.29	7607.35	3.14	1727.06	-106.30	620.55	91.25	6.85	PASS	
8213.00†	7446.92	100.03	2327.25	8201.38	7616.94	101.60	1730.12	-105.89	620.87	92.22	6.78	PASS	
8222.97	7447.00	110.00	2327.24	8211.27	7617.00	111.49	1730.16	-105.89	620.82	92.32	6.77	PASS	
8313.00†	7447.00	200.03	2326.88	8301.29	7617.00	201.51	1730.39	-105.91	620.25	93.41	6.68	PASS	
8413.00†	7447.00	300.03	2326.47	8401.29	7617.00	301.51	1730.63	-105.93	619.61	95.10	6.56	PASS	
8513.00†	7447.00	400.03	2326.06	8501.29	7617.00	401.51	1730.88	-105.94	618.98	97.17	6.41	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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
8613.00†	7447.00	500.02	2325.65	8601.29	7617.00	501.50	1731.13	-105.96	618.35	99.58	6.25	PASS
8713.00†	7447.00	600.02	2325.24	8701.29	7617.00	601.50	1731.38	-105.98	617.71	102.55	6.06	PASS
8813.00†	7447.00	700.02	2324.83	8801.28	7617.00	701.50	1731.63	-105.99	617.08	105.31	5.89	PASS
8913.00†	7447.00	800.02	2324.42	8901.28	7617.00	801.50	1731.88	-106.01	616.45	108.59	5.71	PASS
9013.00†	7447.00	900.02	2324.01	9001.28	7617.00	901.49	1732.13	-106.03	615.81	112.11	5.52	PASS
9113.00†	7447.00	1000.02	2323.60	9101.28	7617.00	1001.49	1732.38	-106.04	615.18	115.85	5.34	PASS
9213.00†	7447.00	1100.02	2323.19	9201.27	7617.00	1101.49	1732.63	-106.06	614.55	119.78	5.16	PASS
9313.00†	7447.00	1200.02	2322.78	9301.27	7617.00	1201.49	1732.88	-106.08	613.92	123.90	4.98	PASS
9413.00†	7447.00	1300.02	2322.37	9401.27	7617.00	1301.48	1733.12	-106.09	613.28	128.18	4.81	PASS
9513.00†	7447.00	1400.02	2321.96	9501.27	7617.00	1401.48	1733.37	-106.11	612.65	132.60	4.64	PASS
9613.00†	7447.00	1500.02	2321.55	9601.27	7617.00	1501.48	1733.62	-106.13	612.02	137.16	4.48	PASS
9713.00†	7447.00	1600.02	2321.14	9701.26	7617.00	1601.48	1733.87	-106.15	611.39	141.84	4.33	PASS
9813.00†	7447.00	1700.01	2320.73	9801.26	7617.00	1701.48	1734.12	-106.16	610.75	146.62	4.18	PASS
9913.00†	7447.00	1800.01	2320.33	9901.26	7617.00	1801.47	1734.37	-106.18	610.12	151.50	4.04	PASS
10013.00†	7447.00	1900.01	2319.92	10001.26	7617.00	1901.47	1734.62	-106.20	609.49	156.47	3.91	PASS
10113.00†	7447.00	2000.01	2319.51	10101.26	7617.00	2001.47	1734.87	-106.21	608.86	161.51	3.78	PASS
10213.00†	7447.00	2100.01	2319.10	10201.25	7617.00	2101.47	1735.12	-106.23	608.22	166.63	3.66	PASS
10313.00†	7447.00	2200.01	2318.69	10301.25	7617.00	2201.46	1735.37	-106.25	607.59	171.82	3.55	PASS
10413.00†	7447.00	2300.01	2318.28	10401.25	7617.00	2301.46	1735.61	-106.27	606.96	177.06	3.44	PASS
10513.00†	7447.00	2400.01	2317.87	10501.25	7617.00	2401.46	1735.86	-106.28	606.33	182.36	3.33	PASS
10613.00†	7447.00	2500.01	2317.46	10601.24	7617.00	2501.46	1736.11	-106.30	605.70	187.71	3.24	PASS
10713.00†	7447.00	2600.01	2317.05	10701.24	7617.00	2601.45	1736.36	-106.32	605.06	193.11	3.14	PASS
10813.00†	7447.00	2700.01	2316.64	10801.24	7617.00	2701.45	1736.61	-106.34	604.43	198.54	3.05	PASS
10913.00†	7447.00	2800.01	2316.23	10901.24	7617.00	2801.45	1736.86	-106.35	603.80	204.01	2.97	PASS
11013.00†	7447.00	2900.00	2315.82	11001.24	7617.00	2901.45	1737.11	-106.37	603.17	209.52	2.89	PASS
11113.00†	7447.00	3000.00	2315.41	11101.23	7617.00	3001.44	1737.36	-106.39	602.54	215.07	2.81	PASS
11213.00†	7447.00	3100.00	2315.00	11201.23	7617.00	3101.44	1737.61	-106.41	601.90	220.64	2.73	PASS
11313.00†	7447.00	3200.00	2314.59	11301.23	7617.00	3201.44	1737.86	-106.42	601.27	226.24	2.66	PASS
11413.00†	7447.00	3300.00	2314.18	11401.23	7617.00	3301.44	1738.10	-106.44	600.64	231.86	2.60	PASS
11513.00†	7447.00	3400.00	2313.77	11501.22	7617.00	3401.43	1738.35	-106.46	600.01	237.51	2.53	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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
11613.00†	7447.00	3500.00	2313.36	11601.22	7617.00	3501.43	1738.60	-106.48	599.38	243.18	2.47	PASS
11713.00†	7447.00	3600.00	2312.96	11701.22	7617.00	3601.43	1738.85	-106.50	598.75	248.87	2.41	PASS
11813.00†	7447.00	3700.00	2312.55	11801.22	7617.00	3701.43	1739.10	-106.51	598.12	254.57	2.35	PASS
11913.00†	7447.00	3800.00	2312.14	11901.22	7617.00	3801.42	1739.35	-106.53	597.48	260.30	2.30	PASS
12013.00†	7447.00	3900.00	2311.73	12001.21	7617.00	3901.42	1739.60	-106.55	596.85	266.04	2.25	PASS
12113.00†	7447.00	4000.00	2311.32	12101.21	7617.00	4001.42	1739.85	-106.57	596.22	271.80	2.20	PASS
12213.00†	7447.00	4099.99	2310.91	12201.21	7617.00	4101.42	1740.10	-106.59	595.59	277.57	2.15	PASS
12313.00†	7447.00	4199.99	2310.50	12301.21	7617.00	4201.41	1740.35	-106.60	594.96	283.36	2.10	PASS
12413.00†	7447.00	4299.99	2310.09	12401.21	7617.00	4301.41	1740.59	-106.62	594.33	289.15	2.06	PASS
12513.00†	7447.00	4399.99	2309.68	12501.20	7617.00	4401.41	1740.84	-106.64	593.70	294.96	2.02	PASS
12613.00†	7447.00	4499.99	2309.27	12601.20	7617.00	4501.41	1741.09	-106.66	593.07	300.78	1.97	PASS
12713.00†	7447.00	4599.99	2308.86	12701.20	7617.00	4601.40	1741.34	-106.68	592.44	306.61	1.93	PASS
12813.00†	7447.00	4699.99	2308.45	12801.20	7617.00	4701.40	1741.59	-106.69	591.81	312.45	1.90	PASS
12913.00†	7447.00	4799.99	2308.04	12901.19	7617.00	4801.40	1741.84	-106.71	591.17	318.30	1.86	PASS
13013.00†	7447.00	4899.99	2307.63	13001.19	7617.00	4901.40	1742.09	-106.73	590.54	324.15	1.82	PASS
13113.00†	7447.00	4999.99	2307.22	13101.19	7617.00	5001.39	1742.34	-106.75	589.91	330.02	1.79	PASS
13213.00†	7447.00	5099.99	2306.81	13201.19	7617.00	5101.39	1742.59	-106.77	589.28	335.89	1.76	PASS
13313.00†	7447.00	5199.98	2306.40	13301.19	7617.00	5201.39	1742.84	-106.79	588.65	341.77	1.72	PASS
13413.00†	7447.00	5299.98	2306.00	13401.18	7617.00	5301.39	1743.08	-106.81	588.02	347.65	1.69	PASS
13513.00†	7447.00	5399.98	2305.59	13501.18	7617.00	5401.38	1743.33	-106.82	587.39	353.54	1.66	PASS
13613.00†	7447.00	5499.98	2305.18	13601.18	7617.00	5501.38	1743.58	-106.84	586.76	359.44	1.63	PASS
13713.00†	7447.00	5599.98	2304.77	13701.18	7617.00	5601.38	1743.83	-106.86	586.13	365.34	1.61	PASS
13813.00†	7447.00	5699.98	2304.36	13801.18	7617.00	5701.38	1744.08	-106.88	585.50	371.25	1.58	PASS
13913.00†	7447.00	5799.98	2303.95	13901.17	7617.00	5801.37	1744.33	-106.90	584.87	377.16	1.55	PASS
14013.00†	7447.00	5899.98	2303.54	14001.17	7617.00	5901.37	1744.58	-106.92	584.24	383.08	1.53	PASS
14113.00†	7447.00	5999.98	2303.13	14101.17	7617.00	6001.37	1744.83	-106.94	583.61	389.00	1.50	PASS
14213.00†	7447.00	6099.98	2302.72	14201.17	7617.00	6101.37	1745.08	-106.95	582.98	394.93	1.48	PASS
14313.00†	7447.00	6199.98	2302.31	14301.16	7617.00	6201.36	1745.33	-106.97	582.35	400.86	1.45	PASS
14413.00†	7447.00	6299.98	2301.90	14401.16	7617.00	6301.36	1745.57	-106.99	581.72	406.79	1.43	PASS
14513.00†	7447.00	6399.97	2301.49	14501.16	7617.00	6401.36	1745.82	-107.01	581.09	412.72	1.41	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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
14613.00†	7447.00	6499.97	2301.08	14601.16	7617.00	6501.36	1746.07	-107.03	580.46	418.66	1.39	PASS
14713.00†	7447.00	6599.97	2300.67	14701.16	7617.00	6601.35	1746.32	-107.05	579.83	424.61	1.37	PASS
14813.00†	7447.00	6699.97	2300.26	14801.15	7617.00	6701.35	1746.57	-107.07	579.20	430.55	1.35	PASS
14913.00†	7447.00	6799.97	2299.85	14901.15	7617.00	6801.35	1746.82	-107.09	578.57	436.50	1.33	PASS
15013.00†	7447.00	6899.97	2299.44	15001.15	7617.00	6901.35	1747.07	-107.11	577.95	442.45	1.31	PASS
15113.00†	7447.00	6999.97	2299.03	15101.15	7617.00	7001.34	1747.32	-107.13	577.32	448.40	1.29	PASS
15213.00†	7447.00	7099.97	2298.63	15201.14	7617.00	7101.34	1747.57	-107.15	576.69	454.35	1.27	PASS
15313.00†	7447.00	7199.97	2298.22	15301.14	7617.00	7201.34	1747.82	-107.16	576.06	460.31	1.25	PASS
15413.00†	7447.00	7299.97	2297.81	15401.14	7617.00	7301.34	1748.06	-107.18	575.43	466.27	1.23	PASS
15513.00†	7447.00	7399.97	2297.40	15501.14	7617.00	7401.33	1748.31	-107.20	574.80	472.23	1.22	PASS
15613.00†	7447.00	7499.97	2296.99	15601.14	7617.00	7501.33	1748.56	-107.22	574.17	478.19	1.20	PASS
15713.00†	7447.00	7599.96	2296.58	15701.13	7617.00	7601.33	1748.81	-107.24	573.54	484.15	1.18	PASS
15813.00†	7447.00	7699.96	2296.17	15801.13	7617.00	7701.33	1749.06	-107.26	572.91	490.12	1.17	PASS
15913.00†	7447.00	7799.96	2295.76	15901.13	7617.00	7801.32	1749.31	-107.28	572.28	496.08	1.15	PASS
16013.00†	7447.00	7899.96	2295.35	16001.13	7617.00	7901.32	1749.56	-107.30	571.66	502.05	1.14	PASS
16113.00†	7447.00	7999.96	2294.94	16101.13	7617.00	8001.32	1749.81	-107.32	571.03	508.02	1.12	PASS
16213.00†	7447.00	8099.96	2294.53	16201.12	7617.00	8101.32	1750.06	-107.34	570.40	513.99	1.11	PASS
16313.00†	7447.00	8199.96	2294.12	16301.12	7617.00	8201.31	1750.31	-107.36	569.77	519.96	1.10	PASS
16413.00†	7447.00	8299.96	2293.71	16401.12	7617.00	8301.31	1750.55	-107.38	569.14	525.93	1.08	PASS
16513.00†	7447.00	8399.96	2293.30	16501.12	7617.00	8401.31	1750.80	-107.40	568.51	531.90	1.07	PASS
16613.00†	7447.00	8499.96	2292.89	16601.11	7617.00	8501.31	1751.05	-107.42	567.88	537.87	1.06	PASS
16713.00†	7447.00	8599.96	2292.48	16701.11	7617.00	8601.30	1751.30	-107.44	567.26	543.85	1.04	PASS
16813.00†	7447.00	8699.96	2292.07	16801.11	7617.00	8701.30	1751.55	-107.46	566.63	549.82	1.03	PASS
16913.00†	7447.00	8799.95	2291.66	16901.11	7617.00	8801.30	1751.80	-107.48	566.00	555.80	1.02	PASS
17013.00†	7447.00	8899.95	2291.26	17001.11	7617.00	8901.30	1752.05	-107.50	565.37	561.77	1.01	PASS
17113.00†	7447.00	8999.95	2290.85	17101.10	7617.00	9001.29	1752.30	-107.52	564.74	567.75	0.99	FAIL
17213.00†	7447.00	9099.95	2290.44	17201.10	7617.00	9101.29	1752.55	-107.54	564.12	573.72	0.98	FAIL
17313.00†	7447.00	9199.95	2290.03	17301.10	7617.00	9201.29	1752.80	-107.56	563.49	579.70	0.97	FAIL
17413.00†	7447.00	9299.95	2289.62	17401.10	7617.00	9301.29	1753.04	-107.58	562.86	585.67	0.96	FAIL
17513.00†	7447.00	9399.95	2289.21	17501.09	7617.00	9401.28	1753.29	-107.60	562.23	591.65	0.95	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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
17613.00†	7447.00	9499.95	2288.80	17601.09	7617.00	9501.28	1753.54	-107.62	561.61	597.63	0.94	FAIL
17713.00†	7447.00	9599.95	2288.39	17701.09	7617.00	9601.28	1753.79	-107.64	560.98	603.60	0.93	FAIL
17813.00†	7447.00	9699.95	2287.98	17801.09	7617.00	9701.28	1754.04	-107.66	560.35	609.58	0.92	FAIL
17913.00†	7447.00	9799.95	2287.57	17901.09	7617.00	9801.27	1754.29	-107.68	559.72	615.56	0.91	FAIL
18013.00†	7447.00	9899.95	2287.16	18001.08	7617.00	9901.27	1754.54	-107.70	559.10	621.53	0.90	FAIL
18019.67†	7447.00	9906.61	2287.13	18007.75	7617.00	9907.94	1754.56	-107.70	559.05	621.93	0.90	FAIL
18031.05	7447.00	9918.00	2287.09	18007.75	7617.00	9907.94	1754.56	-107.70	559.10	619.12	0.90	FAIL

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

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	-18.80	0.00	-18.80
8.5in Open Hole	700.00	18007.75	17307.75	700.00	7617.00	0.00	-18.80	3019.94	525.39

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



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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	1780.39	11.02	9317.91	25.40	378.72	PASS
113.00†	113.00	0.00	0.00	44.00	113.00	9146.14	1780.39	11.02	9317.81	51.04	185.47	PASS
213.00†	213.00	0.00	0.00	144.00	213.00	9146.14	1780.39	11.02	9317.81	53.39	177.18	PASS
313.00†	313.00	0.00	0.00	244.00	313.00	9146.14	1780.39	11.02	9317.81	55.75	169.57	PASS
413.00†	413.00	0.00	0.00	344.00	413.00	9146.14	1780.39	11.02	9317.81	58.12	162.55	PASS
513.00†	513.00	0.00	0.00	444.00	513.00	9146.14	1780.39	11.02	9317.81	60.50	156.06	PASS
613.00†	613.00	0.00	0.00	544.00	613.00	9146.14	1780.39	11.02	9317.81	62.90	150.04	PASS
713.00†	713.00	0.00	0.00	644.00	713.00	9146.14	1780.39	11.02	9317.81	65.17	144.53	PASS
813.00†	813.00	0.00	0.00	744.00	813.00	9146.14	1780.39	11.02	9317.81	67.51	139.47	PASS
913.00†	913.00	0.00	0.00	844.00	913.00	9146.14	1780.39	11.02	9317.81	69.86	134.73	PASS
1000.00	1000.00	0.00	0.00	931.00	1000.00	9146.14	1780.39	11.02	9317.81	71.92	130.85	PASS
1013.00†	1013.00	-0.01	0.03	944.00	1013.00	9146.14	1780.39	-91.38	9317.81	72.22	130.28	PASS
1113.00†	1112.97	-0.48	2.18	1043.97	1112.97	9146.14	1780.39	-91.39	9317.86	74.59	126.10	PASS
1213.00†	1212.80	-1.70	7.73	1143.80	1212.80	9146.14	1780.39	-91.43	9318.00	76.97	122.17	PASS
1313.00†	1312.38	-3.67	16.68	1243.38	1312.38	9146.14	1780.39	-91.48	9318.24	79.36	118.46	PASS
1413.00†	1411.57	-6.38	29.03	1342.57	1411.57	9146.14	1780.39	-91.55	9318.57	81.76	114.96	PASS
1513.00†	1510.26	-9.83	44.74	1441.26	1510.26	9146.14	1780.39	-91.64	9319.03	84.17	111.65	PASS
1613.00†	1608.33	-14.03	63.81	1539.33	1608.33	9146.14	1780.39	-91.74	9319.61	86.60	108.50	PASS
1713.00†	1705.66	-18.95	86.21	1636.66	1705.66	9146.14	1780.39	-91.86	9320.35	89.05	105.50	PASS
1813.00†	1802.13	-24.60	111.92	1733.13	1802.13	9146.14	1780.39	-92.00	9321.28	91.53	102.63	PASS
1913.00†	1897.62	-30.97	140.89	1828.62	1897.62	9146.14	1780.39	-92.15	9322.40	94.05	99.86	PASS
2013.00†	1992.02	-38.05	173.11	1923.02	1992.02	9146.14	1780.39	-92.32	9323.77	96.63	97.19	PASS
2102.58	2075.56	-44.99	204.69	2006.56	2075.56	9146.14	1780.39	-92.47	9325.21	99.00	94.86	PASS
2113.00†	2085.22	-45.83	208.51	2016.22	2085.22	9146.14	1780.39	-92.50	9325.40	99.28	94.59	PASS
2213.00†	2177.90	-53.89	245.17	2108.90	2177.90	9146.14	1780.39	-92.71	9327.24	102.01	92.07	PASS
2313.00†	2270.59	-61.95	281.84	2201.59	2270.59	9146.14	1780.39	-92.92	9329.23	104.80	89.62	PASS
2413.00†	2363.27	-70.01	318.51	2294.27	2363.27	9146.14	1780.39	-93.14	9331.37	107.67	87.24	PASS
2513.00†	2455.96	-78.07	355.18	2386.96	2455.96	9146.14	1780.39	-93.35	9333.66	110.59	84.94	PASS
2613.00†	2548.64	-86.13	391.85	2479.64	2548.64	9146.14	1780.39	-93.56	9336.10	113.57	82.72	PASS
2713.00†	2641.33	-94.19	428.52	2572.33	2641.33	9146.14	1780.39	-93.78	9338.69	116.59	80.58	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.18-T01S-R65W		Slot: SLOT#01 EX PUTNAM 41-18 (990'FNL & 990'FEL, SEC.18, SI,8092')				Well: PUTNAM 41-18		Threshold Value=1.00	† = interpolated/extrapolated station			
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2813.00†	2734.01	-102.25	465.19	2665.01	2734.01	9146.14	1780.39	-93.99	9341.43	119.67	78.52	PASS
2913.00†	2826.69	-110.31	501.86	2757.69	2826.69	9146.14	1780.39	-94.20	9344.32	122.78	76.54	PASS
3013.00†	2919.38	-118.37	538.53	2850.38	2919.38	9146.14	1780.39	-94.42	9347.37	125.94	74.63	PASS
3113.00†	3012.06	-126.43	575.19	2943.06	3012.06	9146.14	1780.39	-94.63	9350.56	129.13	72.81	PASS
3213.00†	3104.75	-134.49	611.86	3035.75	3104.75	9146.14	1780.39	-94.84	9353.90	132.35	71.05	PASS
3313.00†	3197.43	-142.55	648.53	3128.43	3197.43	9146.14	1780.39	-95.05	9357.39	135.60	69.36	PASS
3413.00†	3290.12	-150.61	685.20	3221.12	3290.12	9146.14	1780.39	-95.27	9361.03	138.88	67.74	PASS
3513.00†	3382.80	-158.67	721.87	3313.80	3382.80	9146.14	1780.39	-95.48	9364.82	142.18	66.19	PASS
3613.00†	3475.49	-166.73	758.54	3406.49	3475.49	9146.14	1780.39	-95.69	9368.76	145.51	64.70	PASS
3713.00†	3568.17	-174.79	795.21	3499.17	3568.17	9146.14	1780.39	-95.90	9372.84	148.85	63.27	PASS
3813.00†	3660.86	-182.85	831.88	3591.86	3660.86	9146.14	1780.39	-96.11	9377.08	152.21	61.89	PASS
3913.00†	3753.54	-190.91	868.55	3684.54	3753.54	9146.14	1780.39	-96.32	9381.46	155.59	60.57	PASS
4013.00†	3846.23	-198.97	905.21	3777.23	3846.23	9146.14	1780.39	-96.54	9385.99	158.98	59.30	PASS
4113.00†	3938.91	-207.03	941.88	3869.91	3938.91	9146.14	1780.39	-96.75	9390.67	162.38	58.08	PASS
4213.00†	4031.59	-215.09	978.55	3962.59	4031.59	9146.14	1780.39	-96.96	9395.50	165.80	56.91	PASS
4313.00†	4124.28	-223.15	1015.22	4055.28	4124.28	9146.14	1780.39	-97.17	9400.48	169.23	55.78	PASS
4413.00†	4216.96	-231.21	1051.89	4147.96	4216.96	9146.14	1780.39	-97.38	9405.60	172.67	54.69	PASS
4513.00†	4309.65	-239.27	1088.56	4240.65	4309.65	9146.14	1780.39	-97.59	9410.87	176.12	53.65	PASS
4613.00†	4402.33	-247.33	1125.23	4333.33	4402.33	9146.14	1780.39	-97.80	9416.28	179.57	52.64	PASS
4713.00†	4495.02	-255.39	1161.90	4426.02	4495.02	9146.14	1780.39	-98.01	9421.84	183.03	51.67	PASS
4813.00†	4587.70	-263.45	1198.57	4518.70	4587.70	9146.14	1780.39	-98.22	9427.55	186.50	50.74	PASS
4913.00†	4680.39	-271.51	1235.23	4611.39	4680.39	9146.14	1780.39	-98.43	9433.41	189.98	49.84	PASS
5013.00†	4773.07	-279.57	1271.90	4704.07	4773.07	9146.14	1780.39	-98.64	9439.41	193.46	48.97	PASS
5113.00†	4865.76	-287.63	1308.57	4796.76	4865.76	9146.14	1780.39	-98.85	9445.55	196.95	48.13	PASS
5213.00†	4958.44	-295.69	1345.24	4889.44	4958.44	9146.14	1780.39	-99.06	9451.84	200.44	47.32	PASS
5313.00†	5051.12	-303.75	1381.91	4982.12	5051.12	9146.14	1780.39	-99.27	9458.28	203.93	46.54	PASS
5413.00†	5143.81	-311.81	1418.58	5074.81	5143.81	9146.14	1780.39	-99.47	9464.86	207.43	45.78	PASS
5513.00†	5236.49	-319.87	1455.25	5167.49	5236.49	9146.14	1780.39	-99.68	9471.58	210.93	45.05	PASS
5613.00†	5329.18	-327.93	1491.92	5260.18	5329.18	9146.14	1780.39	-99.89	9478.45	214.43	44.35	PASS
5713.00†	5421.86	-335.99	1528.59	5352.86	5421.86	9146.14	1780.39	-100.10	9485.46	217.94	43.66	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.18-T01S-R65W		Slot: SLOT#01 EX PUTNAM 41-18 (990'FNL & 990'FEL, SEC.18, SI,8092')				Well: PUTNAM 41-18		Threshold Value=1.00	† = interpolated/extrapolated station			
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5813.00†	5514.55	-344.05	1565.25	5445.55	5514.55	9146.14	1780.39	-100.30	9492.62	221.44	43.00	PASS
5913.00†	5607.23	-352.11	1601.92	5538.23	5607.23	9146.14	1780.39	-100.51	9499.92	224.95	42.36	PASS
6013.00†	5699.92	-360.17	1638.59	5630.92	5699.92	9146.14	1780.39	-100.72	9507.36	228.46	41.74	PASS
6113.00†	5792.60	-368.23	1675.26	5723.60	5792.60	9146.14	1780.39	-100.92	9514.94	231.97	41.14	PASS
6213.00†	5885.29	-376.29	1711.93	5816.29	5885.29	9146.14	1780.39	-101.13	9522.67	235.48	40.56	PASS
6313.00†	5977.97	-384.34	1748.60	5908.97	5977.97	9146.14	1780.39	-101.34	9530.53	239.00	39.99	PASS
6413.00†	6070.66	-392.40	1785.27	6001.66	6070.66	9146.14	1780.39	-101.54	9538.54	242.51	39.45	PASS
6513.00†	6163.34	-400.46	1821.94	6094.34	6163.34	9146.14	1780.39	-101.75	9546.69	246.02	38.91	PASS
6613.00†	6256.02	-408.52	1858.61	6187.02	6256.02	9146.14	1780.39	-101.95	9554.98	249.53	38.40	PASS
6713.00†	6348.71	-416.58	1895.27	6279.71	6348.71	9146.14	1780.39	-102.16	9563.41	253.04	37.90	PASS
6813.00†	6441.39	-424.64	1931.94	6372.39	6441.39	9146.14	1780.39	-102.36	9571.98	256.56	37.41	PASS
6913.00†	6534.08	-432.70	1968.61	6465.08	6534.08	9146.14	1780.39	-102.57	9580.69	260.07	36.94	PASS
7013.00†	6626.76	-440.76	2005.28	6557.76	6626.76	9146.14	1780.39	-102.77	9589.54	263.58	36.48	PASS
7113.00†	6719.45	-448.82	2041.95	6650.45	6719.45	9146.14	1780.39	-102.97	9598.52	267.09	36.03	PASS
7213.00†	6812.13	-456.88	2078.62	6743.13	6812.13	9146.14	1780.39	-103.18	9607.65	270.60	35.60	PASS
7275.88	6870.41	-461.95	2101.68	6801.41	6870.41	9146.14	1780.39	-103.30	9613.46	272.80	35.33	PASS
7313.00†	6904.88	-463.74	2115.31	6835.88	6904.88	9146.14	1780.39	-94.16	9615.71	274.11	35.17	PASS
7413.00†	6997.54	-456.62	2151.90	6928.54	6997.54	9146.14	1780.39	-70.26	9609.94	277.73	34.69	PASS
7513.00†	7087.66	-432.31	2187.43	7018.66	7087.66	9146.14	1780.39	-52.67	9587.09	281.53	34.14	PASS
7613.00†	7172.51	-391.55	2220.80	7103.51	7172.51	9146.14	1780.39	-41.73	9547.84	285.07	33.57	PASS
7713.00†	7249.51	-335.57	2251.01	7180.51	7249.51	9146.14	1780.39	-35.21	9493.38	288.20	33.02	PASS
7813.00†	7316.32	-266.08	2277.13	7247.32	7316.32	9146.14	1780.39	-31.51	9425.32	290.84	32.48	PASS
7913.00†	7370.91	-185.19	2298.38	7301.91	7370.91	9146.14	1780.39	-29.90	9345.69	292.94	31.98	PASS
8013.00†	7411.62	-95.36	2314.10	7342.62	7411.62	9146.14	1780.39	-30.49	9256.89	294.49	31.51	PASS
8113.00†	7437.22	0.69	2323.82	7368.22	7437.22	9146.14	1780.39	-35.65	9161.58	295.49	31.08	PASS
8213.00†	7446.92	100.03	2327.25	7377.92	7446.92	9146.14	1780.39	-75.54	9062.62	295.93	30.70	PASS
8222.97	7447.00	110.00	2327.24	7378.00	7447.00	9146.14	1780.39	-90.00	9052.67	295.95	30.66	PASS
8313.00†	7447.00	200.03	2326.88	7378.00	7447.00	9146.14	1780.39	-90.00	8962.78	296.06	30.34	PASS
8413.00†	7447.00	300.03	2326.47	7378.00	7447.00	9146.14	1780.39	-90.00	8862.95	296.19	29.99	PASS
8513.00†	7447.00	400.03	2326.06	7378.00	7447.00	9146.14	1780.39	-90.00	8763.12	296.32	29.64	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.18-T01S-R65W		Slot: SLOT#01 EX PUTNAM 41-18 (990'FNL & 990'FEL, SEC.18, SI,8092')				Well: PUTNAM 41-18		Threshold Value=1.00 † = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8613.00†	7447.00	500.02	2325.65	7378.00	7447.00	9146.14	1780.39	-90.00	8663.29	296.45	29.29	PASS
8713.00†	7447.00	600.02	2325.24	7378.00	7447.00	9146.14	1780.39	-90.00	8563.46	296.59	28.94	PASS
8813.00†	7447.00	700.02	2324.83	7378.00	7447.00	9146.14	1780.39	-90.00	8463.64	296.73	28.59	PASS
8913.00†	7447.00	800.02	2324.42	7378.00	7447.00	9146.14	1780.39	-90.00	8363.83	296.88	28.24	PASS
9013.00†	7447.00	900.02	2324.01	7378.00	7447.00	9146.14	1780.39	-90.00	8264.01	297.03	27.89	PASS
9113.00†	7447.00	1000.02	2323.60	7378.00	7447.00	9146.14	1780.39	-90.00	8164.21	297.18	27.54	PASS
9213.00†	7447.00	1100.02	2323.19	7378.00	7447.00	9146.14	1780.39	-90.00	8064.40	297.34	27.18	PASS
9313.00†	7447.00	1200.02	2322.78	7378.00	7447.00	9146.14	1780.39	-90.00	7964.61	297.50	26.83	PASS
9413.00†	7447.00	1300.02	2322.37	7378.00	7447.00	9146.14	1780.39	-90.00	7864.81	297.67	26.48	PASS
9513.00†	7447.00	1400.02	2321.96	7378.00	7447.00	9146.14	1780.39	-90.00	7765.03	297.84	26.13	PASS
9613.00†	7447.00	1500.02	2321.55	7378.00	7447.00	9146.14	1780.39	-90.00	7665.25	298.02	25.78	PASS
9713.00†	7447.00	1600.02	2321.14	7378.00	7447.00	9146.14	1780.39	-90.00	7565.47	298.21	25.43	PASS
9813.00†	7447.00	1700.01	2320.73	7378.00	7447.00	9146.14	1780.39	-90.00	7465.70	298.39	25.08	PASS
9913.00†	7447.00	1800.01	2320.33	7378.00	7447.00	9146.14	1780.39	-90.00	7365.94	298.59	24.73	PASS
10013.00†	7447.00	1900.01	2319.92	7378.00	7447.00	9146.14	1780.39	-90.00	7266.18	298.79	24.37	PASS
10113.00†	7447.00	2000.01	2319.51	7378.00	7447.00	9146.14	1780.39	-90.00	7166.43	299.00	24.02	PASS
10213.00†	7447.00	2100.01	2319.10	7378.00	7447.00	9146.14	1780.39	-90.00	7066.69	299.21	23.67	PASS
10313.00†	7447.00	2200.01	2318.69	7378.00	7447.00	9146.14	1780.39	-90.00	6966.95	299.43	23.32	PASS
10413.00†	7447.00	2300.01	2318.28	7378.00	7447.00	9146.14	1780.39	-90.00	6867.22	299.65	22.97	PASS
10513.00†	7447.00	2400.01	2317.87	7378.00	7447.00	9146.14	1780.39	-90.00	6767.50	299.89	22.62	PASS
10613.00†	7447.00	2500.01	2317.46	7378.00	7447.00	9146.14	1780.39	-90.00	6667.79	300.13	22.27	PASS
10713.00†	7447.00	2600.01	2317.05	7378.00	7447.00	9146.14	1780.39	-90.00	6568.09	300.38	21.92	PASS
10813.00†	7447.00	2700.01	2316.64	7378.00	7447.00	9146.14	1780.39	-90.00	6468.40	300.64	21.56	PASS
10913.00†	7447.00	2800.01	2316.23	7378.00	7447.00	9146.14	1780.39	-90.00	6368.71	300.90	21.21	PASS
11013.00†	7447.00	2900.00	2315.82	7378.00	7447.00	9146.14	1780.39	-90.00	6269.04	301.18	20.86	PASS
11113.00†	7447.00	3000.00	2315.41	7378.00	7447.00	9146.14	1780.39	-90.00	6169.37	301.46	20.51	PASS
11213.00†	7447.00	3100.00	2315.00	7378.00	7447.00	9146.14	1780.39	-90.00	6069.72	301.75	20.16	PASS
11313.00†	7447.00	3200.00	2314.59	7378.00	7447.00	9146.14	1780.39	-90.00	5970.08	302.06	19.81	PASS
11413.00†	7447.00	3300.00	2314.18	7378.00	7447.00	9146.14	1780.39	-90.00	5870.45	302.37	19.46	PASS
11513.00†	7447.00	3400.00	2313.77	7378.00	7447.00	9146.14	1780.39	-90.00	5770.84	302.70	19.11	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.18-T01S-R65W		Slot: SLOT#01 EX PUTNAM 41-18 (990'FNL & 990'FEL, SEC.18, SI,8092')		Well: PUTNAM 41-18		Threshold Value=1.00		† = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
11613.00†	7447.00	3500.00	2313.36	7378.00	7447.00	9146.14	1780.39	-90.00	5671.24	303.04	18.76	PASS
11713.00†	7447.00	3600.00	2312.96	7378.00	7447.00	9146.14	1780.39	-90.00	5571.65	303.39	18.41	PASS
11813.00†	7447.00	3700.00	2312.55	7378.00	7447.00	9146.14	1780.39	-90.00	5472.08	303.75	18.05	PASS
11913.00†	7447.00	3800.00	2312.14	7378.00	7447.00	9146.14	1780.39	-90.00	5372.52	304.13	17.70	PASS
12013.00†	7447.00	3900.00	2311.73	7378.00	7447.00	9146.14	1780.39	-90.00	5272.98	304.52	17.35	PASS
12113.00†	7447.00	4000.00	2311.32	7378.00	7447.00	9146.14	1780.39	-90.00	5173.46	304.93	17.00	PASS
12213.00†	7447.00	4099.99	2310.91	7378.00	7447.00	9146.14	1780.39	-90.00	5073.95	305.36	16.65	PASS
12313.00†	7447.00	4199.99	2310.50	7378.00	7447.00	9146.14	1780.39	-90.00	4974.47	305.80	16.30	PASS
12413.00†	7447.00	4299.99	2310.09	7378.00	7447.00	9146.14	1780.39	-90.00	4875.01	306.26	15.95	PASS
12513.00†	7447.00	4399.99	2309.68	7378.00	7447.00	9146.14	1780.39	-90.00	4775.57	306.74	15.60	PASS
12613.00†	7447.00	4499.99	2309.27	7378.00	7447.00	9146.14	1780.39	-90.00	4676.15	307.24	15.25	PASS
12713.00†	7447.00	4599.99	2308.86	7378.00	7447.00	9146.14	1780.39	-90.00	4576.76	307.77	14.90	PASS
12813.00†	7447.00	4699.99	2308.45	7378.00	7447.00	9146.14	1780.39	-90.00	4477.39	308.32	14.55	PASS
12913.00†	7447.00	4799.99	2308.04	7378.00	7447.00	9146.14	1780.39	-90.00	4378.06	308.89	14.20	PASS
13013.00†	7447.00	4899.99	2307.63	7378.00	7447.00	9146.14	1780.39	-90.00	4278.76	309.49	13.85	PASS
13113.00†	7447.00	4999.99	2307.22	7378.00	7447.00	9146.14	1780.39	-90.00	4179.49	310.12	13.51	PASS
13213.00†	7447.00	5099.99	2306.81	7378.00	7447.00	9146.14	1780.39	-90.00	4080.25	310.79	13.16	PASS
13313.00†	7447.00	5199.98	2306.40	7378.00	7447.00	9146.14	1780.39	-90.00	3981.05	311.48	12.81	PASS
13413.00†	7447.00	5299.98	2306.00	7378.00	7447.00	9146.14	1780.39	-90.00	3881.90	312.22	12.46	PASS
13513.00†	7447.00	5399.98	2305.59	7378.00	7447.00	9146.14	1780.39	-90.00	3782.79	312.99	12.11	PASS
13613.00†	7447.00	5499.98	2305.18	7378.00	7447.00	9146.14	1780.39	-90.00	3683.73	313.81	11.76	PASS
13713.00†	7447.00	5599.98	2304.77	7378.00	7447.00	9146.14	1780.39	-90.00	3584.71	314.67	11.42	PASS
13813.00†	7447.00	5699.98	2304.36	7378.00	7447.00	9146.14	1780.39	-90.00	3485.76	315.58	11.07	PASS
13913.00†	7447.00	5799.98	2303.95	7378.00	7447.00	9146.14	1780.39	-90.00	3386.87	316.55	10.72	PASS
14013.00†	7447.00	5899.98	2303.54	7378.00	7447.00	9146.14	1780.39	-90.00	3288.04	317.58	10.37	PASS
14113.00†	7447.00	5999.98	2303.13	7378.00	7447.00	9146.14	1780.39	-90.00	3189.29	318.67	10.03	PASS
14213.00†	7447.00	6099.98	2302.72	7378.00	7447.00	9146.14	1780.39	-90.00	3090.62	319.84	9.68	PASS
14313.00†	7447.00	6199.98	2302.31	7378.00	7447.00	9146.14	1780.39	-90.00	2992.03	321.08	9.34	PASS
14413.00†	7447.00	6299.98	2301.90	7378.00	7447.00	9146.14	1780.39	-90.00	2893.54	322.41	8.99	PASS
14513.00†	7447.00	6399.97	2301.49	7378.00	7447.00	9146.14	1780.39	-90.00	2795.16	323.84	8.65	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.18-T01S-R65W		Slot: SLOT#01 EX PUTNAM 41-18 (990'FNL & 990'FEL, SEC.18, SI,8092')		Well: PUTNAM 41-18		Threshold Value=1.00		† = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
14613.00†	7447.00	6499.97	2301.08	7378.00	7447.00	9146.14	1780.39	-90.00	2696.90	325.38	8.30	PASS
14713.00†	7447.00	6599.97	2300.67	7378.00	7447.00	9146.14	1780.39	-90.00	2598.78	327.03	7.96	PASS
14813.00†	7447.00	6699.97	2300.26	7378.00	7447.00	9146.14	1780.39	-90.00	2500.80	328.82	7.62	PASS
14913.00†	7447.00	6799.97	2299.85	7378.00	7447.00	9146.14	1780.39	-90.00	2402.98	330.75	7.28	PASS
15013.00†	7447.00	6899.97	2299.44	7378.00	7447.00	9146.14	1780.39	-90.00	2305.36	332.86	6.94	PASS
15113.00†	7447.00	6999.97	2299.03	7378.00	7447.00	9146.14	1780.39	-90.00	2207.94	335.15	6.60	PASS
15213.00†	7447.00	7099.97	2298.63	7378.00	7447.00	9146.14	1780.39	-90.00	2110.77	337.65	6.26	PASS
15313.00†	7447.00	7199.97	2298.22	7378.00	7447.00	9146.14	1780.39	-90.00	2013.88	340.40	5.93	PASS
15413.00†	7447.00	7299.97	2297.81	7378.00	7447.00	9146.14	1780.39	-90.00	1917.30	343.43	5.59	PASS
15513.00†	7447.00	7399.97	2297.40	7378.00	7447.00	9146.14	1780.39	-90.00	1821.10	346.78	5.26	PASS
15613.00†	7447.00	7499.97	2296.99	7378.00	7447.00	9146.14	1780.39	-90.00	1725.33	350.49	4.93	PASS
15713.00†	7447.00	7599.96	2296.58	7378.00	7447.00	9146.14	1780.39	-90.00	1630.06	354.63	4.60	PASS
15813.00†	7447.00	7699.96	2296.17	7378.00	7447.00	9146.14	1780.39	-90.00	1535.40	359.27	4.28	PASS
15913.00†	7447.00	7799.96	2295.76	7378.00	7447.00	9146.14	1780.39	-90.00	1441.45	364.49	3.96	PASS
16013.00†	7447.00	7899.96	2295.35	7378.00	7447.00	9146.14	1780.39	-90.00	1348.38	370.38	3.65	PASS
16113.00†	7447.00	7999.96	2294.94	7378.00	7447.00	9146.14	1780.39	-90.00	1256.37	377.08	3.34	PASS
16213.00†	7447.00	8099.96	2294.53	7378.00	7447.00	9146.14	1780.39	-90.00	1165.69	384.72	3.03	PASS
16313.00†	7447.00	8199.96	2294.12	7378.00	7447.00	9146.14	1780.39	-90.00	1076.65	393.45	2.74	PASS
16413.00†	7447.00	8299.96	2293.71	7378.00	7447.00	9146.14	1780.39	-90.00	989.70	403.46	2.46	PASS
16513.00†	7447.00	8399.96	2293.30	7378.00	7447.00	9146.14	1780.39	-90.00	905.46	414.91	2.18	PASS
16613.00†	7447.00	8499.96	2292.89	7378.00	7447.00	9146.14	1780.39	-90.00	824.75	427.92	1.93	PASS
16713.00†	7447.00	8599.96	2292.48	7378.00	7447.00	9146.14	1780.39	-90.00	748.70	442.47	1.69	PASS
16813.00†	7447.00	8699.96	2292.07	7378.00	7447.00	9146.14	1780.39	-90.00	678.90	458.20	1.48	PASS
16913.00†	7447.00	8799.95	2291.66	7378.00	7447.00	9146.14	1780.39	-90.00	617.45	474.13	1.30	PASS
17013.00†	7447.00	8899.95	2291.26	7378.00	7447.00	9146.14	1780.39	-90.00	567.09	488.25	1.16	PASS
17113.00†	7447.00	8999.95	2290.85	7378.00	7447.00	9146.14	1780.39	-90.00	530.98	497.43	1.07	PASS
17213.00†	7447.00	9099.95	2290.44	7378.00	7447.00	9146.14	1780.39	-90.00	512.13	498.12	1.03	PASS
17228.79†	7447.00	9115.75	2290.37	7378.00	7447.00	9146.14	1780.39	-90.00	510.89	497.27	1.03	PASS
17261.57†	7447.00	9148.52	2290.24	7378.26	7447.26	9146.14	1780.39	-90.03	509.85	494.67	1.03	PASS
17313.00†	7447.00	9199.95	2290.03	7378.00	7447.00	9146.14	1780.39	-90.00	512.47	488.29	1.05	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.18-T01S-R65W		Slot: SLOT#01 EX PUTNAM 41-18 (990'FNL & 990'FEL, SEC.18, SI,8092')				Well: PUTNAM 41-18		Threshold Value=1.00 † = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17413.00†	7447.00	9299.95	2289.62	7378.00	7447.00	9146.14	1780.39	-90.00	531.95	469.12	1.13	PASS
17513.00†	7447.00	9399.95	2289.21	7378.00	7447.00	9146.14	1780.39	-90.00	568.61	444.42	1.28	PASS
17613.00†	7447.00	9499.95	2288.80	7378.00	7447.00	9146.14	1780.39	-90.00	619.41	418.37	1.48	PASS
17713.00†	7447.00	9599.95	2288.39	7378.00	7447.00	9146.14	1780.39	-90.00	681.18	393.84	1.73	PASS
17813.00†	7447.00	9699.95	2287.98	7378.00	7447.00	9146.14	1780.39	-90.00	751.24	372.22	2.02	PASS
17913.00†	7447.00	9799.95	2287.57	7378.00	7447.00	9146.14	1780.39	-90.00	827.47	353.85	2.34	PASS
18013.00†	7447.00	9899.95	2287.16	7378.00	7447.00	9146.14	1780.39	-90.00	908.32	338.56	2.69	PASS
18031.05	7447.00	9918.00	2287.09	7378.00	7447.00	9146.14	1780.39	-90.00	923.32	335.39	2.75	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 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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	1.88	40.77	PASS	
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-44.86	-90.00	44.86	2.67	23.57	PASS	
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-44.86	-90.00	44.86	3.50	16.34	PASS	
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-44.86	-90.00	44.86	4.34	12.46	PASS	
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-44.86	-90.00	44.86	5.18	10.06	PASS	
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-44.86	-90.00	44.86	6.03	8.43	PASS	
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-44.86	-90.00	44.86	6.37	7.80	PASS	
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	-44.86	-90.00	44.86	6.50	7.63	PASS	
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	-44.86	-90.00	44.86	6.81	7.23	PASS	
1000.00	1000.00	0.00	0.00	1000.00	1000.00	0.00	-44.86	-90.00	44.86	7.22	6.78	PASS	
1013.00†	1013.00	-0.01	0.03	1013.00	1013.00	0.00	-44.86	167.61	44.89	7.29	6.72	PASS	
1113.00†	1112.97	-0.48	2.18	1112.97	1112.97	0.00	-44.86	168.18	47.04	7.97	6.38	PASS	
1213.00†	1212.80	-1.70	7.73	1212.80	1212.80	0.00	-44.86	169.43	52.62	8.98	6.28	PASS	
1313.00†	1312.38	-3.67	16.68	1312.64	1312.64	-0.01	-44.84	170.96	61.63	10.00	6.56	PASS	
1413.00†	1411.57	-6.38	29.03	1414.37	1414.34	-0.78	-42.72	172.03	72.02	11.13	6.84	PASS	
1513.00†	1510.26	-9.83	44.74	1516.48	1516.27	-2.80	-37.18	172.49	82.44	12.45	6.96	PASS	
1613.00†	1608.33	-14.03	63.81	1618.96	1618.30	-6.08	-28.20	172.54	92.89	13.75	7.07	PASS	
1713.00†	1705.66	-18.95	86.21	1721.81	1720.29	-10.63	-15.75	172.30	103.34	14.99	7.19	PASS	
1813.00†	1802.13	-24.60	111.92	1825.03	1822.10	-16.45	0.20	171.86	113.77	16.22	7.29	PASS	
1913.00†	1897.62	-30.97	140.89	1928.62	1923.59	-23.56	19.66	171.25	124.20	17.44	7.38	PASS	
2013.00†	1992.02	-38.05	173.11	2032.57	2024.61	-31.95	42.64	170.52	134.61	18.65	7.46	PASS	
2102.58	2075.56	-44.99	204.69	2121.71	2110.82	-39.73	63.95	169.96	145.18	19.65	7.63	PASS	
2113.00†	2085.22	-45.83	208.51	2132.04	2120.81	-40.63	66.41	169.92	146.57	19.77	7.65	PASS	
2213.00†	2177.90	-53.89	245.17	2231.14	2216.65	-49.28	90.10	169.54	159.91	20.79	7.93	PASS	
2313.00†	2270.59	-61.95	281.84	2330.24	2312.49	-57.93	113.79	169.21	173.25	21.81	8.18	PASS	
2413.00†	2363.27	-70.01	318.51	2429.34	2408.33	-66.57	137.47	168.93	186.59	22.90	8.38	PASS	
2513.00†	2455.96	-78.07	355.18	2528.44	2504.17	-75.22	161.16	168.69	199.94	24.03	8.54	PASS	
2613.00†	2548.64	-86.13	391.85	2627.55	2600.01	-83.87	184.85	168.48	213.29	25.18	8.69	PASS	
2713.00†	2641.33	-94.19	428.52	2726.65	2695.85	-92.52	208.54	168.29	226.64	26.37	8.81	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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†	2734.01	-102.25	465.19	2825.75	2791.69	-101.17	232.22	168.12	240.00	27.57	8.91	PASS
2913.00†	2826.69	-110.31	501.86	2924.85	2887.53	-109.82	255.91	167.97	253.36	28.79	9.00	PASS
3013.00†	2919.38	-118.37	538.53	3023.95	2983.37	-118.47	279.60	167.84	266.72	30.03	9.07	PASS
3113.00†	3012.06	-126.43	575.19	3123.05	3079.21	-127.12	303.28	167.72	280.08	31.28	9.14	PASS
3213.00†	3104.75	-134.49	611.86	3222.16	3175.05	-135.76	326.97	167.61	293.44	32.55	9.19	PASS
3313.00†	3197.43	-142.55	648.53	3321.26	3270.89	-144.41	350.66	167.51	306.80	33.83	9.24	PASS
3413.00†	3290.12	-150.61	685.20	3420.36	3366.73	-153.06	374.34	167.42	320.17	35.12	9.28	PASS
3513.00†	3382.80	-158.67	721.87	3519.46	3462.57	-161.71	398.03	167.33	333.53	36.42	9.32	PASS
3613.00†	3475.49	-166.73	758.54	3618.56	3558.41	-170.36	421.72	167.25	346.90	37.73	9.35	PASS
3713.00†	3568.17	-174.79	795.21	3717.67	3654.24	-179.01	445.40	167.18	360.26	39.04	9.38	PASS
3813.00†	3660.86	-182.85	831.88	3816.77	3750.08	-187.66	469.09	167.11	373.63	40.36	9.40	PASS
3913.00†	3753.54	-190.91	868.55	3915.87	3845.92	-196.30	492.78	167.05	386.99	41.69	9.43	PASS
4013.00†	3846.23	-198.97	905.21	4014.97	3941.76	-204.95	516.47	166.99	400.36	43.02	9.44	PASS
4113.00†	3938.91	-207.03	941.88	4114.07	4037.60	-213.60	540.15	166.94	413.73	44.36	9.46	PASS
4213.00†	4031.59	-215.09	978.55	4213.17	4133.44	-222.25	563.84	166.89	427.10	45.70	9.48	PASS
4313.00†	4124.28	-223.15	1015.22	4312.28	4229.28	-230.90	587.53	166.84	440.46	47.05	9.49	PASS
4413.00†	4216.96	-231.21	1051.89	4411.38	4325.12	-239.55	611.21	166.79	453.83	48.40	9.50	PASS
4513.00†	4309.65	-239.27	1088.56	4510.48	4420.96	-248.20	634.90	166.75	467.20	49.76	9.51	PASS
4613.00†	4402.33	-247.33	1125.23	4609.58	4516.80	-256.84	658.59	166.71	480.57	51.11	9.52	PASS
4713.00†	4495.02	-255.39	1161.90	4708.68	4612.64	-265.49	682.27	166.67	493.94	52.47	9.53	PASS
4813.00†	4587.70	-263.45	1198.57	4807.78	4708.48	-274.14	705.96	166.64	507.31	53.84	9.54	PASS
4913.00†	4680.39	-271.51	1235.23	4906.89	4804.32	-282.79	729.65	166.60	520.68	55.20	9.54	PASS
5013.00†	4773.07	-279.57	1271.90	5005.99	4900.16	-291.44	753.33	166.57	534.05	56.57	9.55	PASS
5113.00†	4865.76	-287.63	1308.57	5105.09	4996.00	-300.09	777.02	166.54	547.42	57.94	9.55	PASS
5213.00†	4958.44	-295.69	1345.24	5204.19	5091.84	-308.74	800.71	166.51	560.79	59.32	9.56	PASS
5313.00†	5051.12	-303.75	1381.91	5303.29	5187.68	-317.38	824.40	166.48	574.16	60.69	9.56	PASS
5413.00†	5143.81	-311.81	1418.58	5402.40	5283.52	-326.03	848.08	166.46	587.53	62.07	9.56	PASS
5513.00†	5236.49	-319.87	1455.25	5501.50	5379.36	-334.68	871.77	166.43	600.90	63.45	9.57	PASS
5613.00†	5329.18	-327.93	1491.92	5600.60	5475.20	-343.33	895.46	166.41	614.27	64.83	9.57	PASS
5713.00†	5421.86	-335.99	1528.59	5699.70	5571.04	-351.98	919.14	166.38	627.64	66.21	9.57	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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†	5514.55	-344.05	1565.25	5798.80	5666.88	-360.63	942.83	166.36	641.01	67.59	9.57	PASS
5913.00†	5607.23	-352.11	1601.92	5897.90	5762.72	-369.28	966.52	166.34	654.38	68.98	9.58	PASS
6013.00†	5699.92	-360.17	1638.59	5997.01	5858.56	-377.92	990.20	166.32	667.75	70.36	9.58	PASS
6113.00†	5792.60	-368.23	1675.26	6096.11	5954.40	-386.57	1013.89	166.30	681.12	71.75	9.58	PASS
6213.00†	5885.29	-376.29	1711.93	6195.21	6050.24	-395.22	1037.58	166.28	694.49	73.13	9.58	PASS
6313.00†	5977.97	-384.34	1748.60	6294.31	6146.08	-403.87	1061.26	166.26	707.86	74.52	9.58	PASS
6413.00†	6070.66	-392.40	1785.27	6393.41	6241.92	-412.52	1084.95	166.24	721.23	75.91	9.58	PASS
6513.00†	6163.34	-400.46	1821.94	6492.52	6337.76	-421.17	1108.64	166.23	734.61	77.30	9.58	PASS
6613.00†	6256.02	-408.52	1858.61	6591.62	6433.60	-429.82	1132.33	166.21	747.98	78.70	9.58	PASS
6713.00†	6348.71	-416.58	1895.27	6690.72	6529.44	-438.46	1156.01	166.19	761.35	80.09	9.58	PASS
6813.00†	6441.39	-424.64	1931.94	6789.82	6625.28	-447.11	1179.70	166.18	774.72	81.48	9.58	PASS
6913.00†	6534.08	-432.70	1968.61	6888.92	6721.12	-455.76	1203.39	166.16	788.09	82.87	9.58	PASS
7013.00†	6626.76	-440.76	2005.28	6990.07	6819.06	-462.59	1227.60	166.29	801.40	84.14	9.60	PASS
7113.00†	6719.45	-448.82	2041.95	7090.71	6916.28	-454.15	1251.67	167.49	814.44	84.40	9.72	PASS
7213.00†	6812.13	-456.88	2078.62	7183.05	7002.96	-431.12	1273.18	169.61	828.14	83.91	9.95	PASS
7275.88	6870.41	-461.95	2101.68	7235.37	7050.12	-411.78	1284.89	171.21	837.82	83.46	10.12	PASS
7313.00†	6904.88	-463.74	2115.31	7264.55	7075.62	-399.10	1291.24	-178.00	844.05	83.20	10.22	PASS
7413.00†	6997.54	-456.62	2151.90	7340.59	7138.81	-359.92	1306.97	-149.78	862.10	82.83	10.49	PASS
7513.00†	7087.66	-432.31	2187.43	7413.67	7194.27	-314.47	1320.81	-128.09	881.07	82.83	10.72	PASS
7613.00†	7172.51	-391.55	2220.80	7484.53	7242.26	-263.80	1332.82	-113.34	899.83	82.97	10.93	PASS
7713.00†	7249.51	-335.57	2251.01	7553.73	7282.92	-208.79	1343.02	-103.31	917.40	83.14	11.12	PASS
7813.00†	7316.32	-266.08	2277.13	7621.70	7316.30	-150.24	1351.43	-96.36	932.92	83.27	11.29	PASS
7913.00†	7370.91	-185.19	2298.38	7688.76	7342.42	-88.87	1358.06	-91.54	945.67	83.40	11.43	PASS
8013.00†	7411.62	-95.36	2314.10	7755.19	7361.25	-25.39	1362.88	-88.34	955.12	83.59	11.51	PASS
8113.00†	7437.22	0.69	2323.82	7821.19	7372.77	39.50	1365.91	-86.49	960.87	83.93	11.54	PASS
8213.00†	7446.92	100.03	2327.25	7886.99	7376.98	105.11	1367.12	-85.83	962.69	84.45	11.49	PASS
8222.97	7447.00	110.00	2327.24	7894.41	7377.00	112.54	1367.14	-85.83	962.65	84.51	11.48	PASS
8313.00†	7447.00	200.03	2326.88	7984.44	7377.00	202.56	1367.38	-85.83	962.05	85.35	11.36	PASS
8413.00†	7447.00	300.03	2326.47	8084.44	7377.00	302.56	1367.65	-85.82	961.38	86.83	11.15	PASS
8513.00†	7447.00	400.03	2326.06	8184.44	7377.00	402.56	1367.91	-85.82	960.70	88.77	10.90	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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†	7447.00	500.02	2325.65	8284.43	7377.00	502.55	1368.17	-85.82	960.03	91.12	10.61	PASS
8713.00†	7447.00	600.02	2325.24	8384.43	7377.00	602.55	1368.44	-85.82	959.36	94.96	10.17	PASS
8813.00†	7447.00	700.02	2324.83	8484.43	7377.00	702.55	1368.70	-85.81	958.69	96.89	9.96	PASS
8913.00†	7447.00	800.02	2324.42	8584.43	7377.00	802.55	1368.97	-85.81	958.02	100.26	9.62	PASS
9013.00†	7447.00	900.02	2324.01	8684.42	7377.00	902.54	1369.23	-85.81	957.35	103.90	9.27	PASS
9113.00†	7447.00	1000.02	2323.60	8784.42	7377.00	1002.54	1369.49	-85.80	956.67	107.80	8.93	PASS
9213.00†	7447.00	1100.02	2323.19	8884.42	7377.00	1102.54	1369.76	-85.80	956.00	111.92	8.59	PASS
9313.00†	7447.00	1200.02	2322.78	8984.42	7377.00	1202.53	1370.02	-85.80	955.33	116.24	8.26	PASS
9413.00†	7447.00	1300.02	2322.37	9084.41	7377.00	1302.53	1370.29	-85.80	954.66	120.74	7.95	PASS
9513.00†	7447.00	1400.02	2321.96	9184.41	7377.00	1402.53	1370.55	-85.79	953.99	125.40	7.65	PASS
9613.00†	7447.00	1500.02	2321.55	9284.41	7377.00	1502.53	1370.82	-85.79	953.32	130.20	7.36	PASS
9713.00†	7447.00	1600.02	2321.14	9384.41	7377.00	1602.52	1371.08	-85.79	952.64	135.13	7.08	PASS
9813.00†	7447.00	1700.01	2320.73	9484.41	7377.00	1702.52	1371.34	-85.78	951.97	140.17	6.82	PASS
9913.00†	7447.00	1800.01	2320.33	9584.40	7377.00	1802.52	1371.61	-85.78	951.30	145.31	6.57	PASS
10013.00†	7447.00	1900.01	2319.92	9684.40	7377.00	1902.52	1371.87	-85.78	950.63	150.54	6.34	PASS
10113.00†	7447.00	2000.01	2319.51	9784.40	7377.00	2002.51	1372.14	-85.77	949.96	155.86	6.12	PASS
10213.00†	7447.00	2100.01	2319.10	9884.40	7377.00	2102.51	1372.40	-85.77	949.28	161.25	5.91	PASS
10313.00†	7447.00	2200.01	2318.69	9984.39	7377.00	2202.51	1372.66	-85.77	948.61	166.70	5.71	PASS
10413.00†	7447.00	2300.01	2318.28	10084.39	7377.00	2302.51	1372.93	-85.77	947.94	172.22	5.52	PASS
10513.00†	7447.00	2400.01	2317.87	10184.39	7377.00	2402.50	1373.19	-85.76	947.27	177.79	5.35	PASS
10613.00†	7447.00	2500.01	2317.46	10284.39	7377.00	2502.50	1373.46	-85.76	946.60	183.41	5.18	PASS
10713.00†	7447.00	2600.01	2317.05	10384.39	7377.00	2602.50	1373.72	-85.76	945.93	189.07	5.02	PASS
10813.00†	7447.00	2700.01	2316.64	10484.38	7377.00	2702.50	1373.98	-85.75	945.25	194.78	4.87	PASS
10913.00†	7447.00	2800.01	2316.23	10584.38	7377.00	2802.49	1374.25	-85.75	944.58	200.52	4.72	PASS
11013.00†	7447.00	2900.00	2315.82	10684.38	7377.00	2902.49	1374.51	-85.75	943.91	206.30	4.59	PASS
11113.00†	7447.00	3000.00	2315.41	10784.38	7377.00	3002.49	1374.78	-85.74	943.24	212.11	4.46	PASS
11213.00†	7447.00	3100.00	2315.00	10884.37	7377.00	3102.48	1375.04	-85.74	942.57	217.95	4.34	PASS
11313.00†	7447.00	3200.00	2314.59	10984.37	7377.00	3202.48	1375.30	-85.74	941.90	223.82	4.22	PASS
11413.00†	7447.00	3300.00	2314.18	11084.37	7377.00	3302.48	1375.57	-85.74	941.22	229.71	4.11	PASS
11513.00†	7447.00	3400.00	2313.77	11184.37	7377.00	3402.48	1375.83	-85.73	940.55	235.62	4.00	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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†	7447.00	3500.00	2313.36	11284.36	7377.00	3502.47	1376.10	-85.73	939.88	241.56	3.90	PASS
11713.00†	7447.00	3600.00	2312.96	11384.36	7377.00	3602.47	1376.36	-85.73	939.21	247.51	3.80	PASS
11813.00†	7447.00	3700.00	2312.55	11484.36	7377.00	3702.47	1376.63	-85.72	938.54	253.48	3.71	PASS
11913.00†	7447.00	3800.00	2312.14	11584.36	7377.00	3802.47	1376.89	-85.72	937.87	259.47	3.62	PASS
12013.00†	7447.00	3900.00	2311.73	11684.36	7377.00	3902.46	1377.15	-85.72	937.19	265.48	3.54	PASS
12113.00†	7447.00	4000.00	2311.32	11784.35	7377.00	4002.46	1377.42	-85.71	936.52	271.50	3.46	PASS
12213.00†	7447.00	4099.99	2310.91	11884.35	7377.00	4102.46	1377.68	-85.71	935.85	277.53	3.38	PASS
12313.00†	7447.00	4199.99	2310.50	11984.35	7377.00	4202.46	1377.95	-85.71	935.18	283.58	3.30	PASS
12413.00†	7447.00	4299.99	2310.09	12084.35	7377.00	4302.45	1378.21	-85.70	934.51	289.64	3.23	PASS
12513.00†	7447.00	4399.99	2309.68	12184.34	7377.00	4402.45	1378.47	-85.70	933.84	295.71	3.16	PASS
12613.00†	7447.00	4499.99	2309.27	12284.34	7377.00	4502.45	1378.74	-85.70	933.17	301.79	3.10	PASS
12713.00†	7447.00	4599.99	2308.86	12384.34	7377.00	4602.45	1379.00	-85.70	932.49	307.89	3.03	PASS
12813.00†	7447.00	4699.99	2308.45	12484.34	7377.00	4702.44	1379.27	-85.69	931.82	313.99	2.97	PASS
12913.00†	7447.00	4799.99	2308.04	12584.34	7377.00	4802.44	1379.53	-85.69	931.15	320.10	2.91	PASS
13013.00†	7447.00	4899.99	2307.63	12684.33	7377.00	4902.44	1379.79	-85.69	930.48	326.22	2.86	PASS
13113.00†	7447.00	4999.99	2307.22	12784.33	7377.00	5002.44	1380.06	-85.68	929.81	332.34	2.80	PASS
13213.00†	7447.00	5099.99	2306.81	12884.33	7377.00	5102.43	1380.32	-85.68	929.14	338.48	2.75	PASS
13313.00†	7447.00	5199.98	2306.40	12984.33	7377.00	5202.43	1380.59	-85.68	928.46	344.62	2.70	PASS
13413.00†	7447.00	5299.98	2306.00	13084.32	7377.00	5302.43	1380.85	-85.67	927.79	350.77	2.65	PASS
13513.00†	7447.00	5399.98	2305.59	13184.32	7377.00	5402.42	1381.11	-85.67	927.12	356.92	2.60	PASS
13613.00†	7447.00	5499.98	2305.18	13284.32	7377.00	5502.42	1381.38	-85.67	926.45	363.08	2.55	PASS
13713.00†	7447.00	5599.98	2304.77	13384.32	7377.00	5602.42	1381.64	-85.66	925.78	369.25	2.51	PASS
13813.00†	7447.00	5699.98	2304.36	13484.32	7377.00	5702.42	1381.91	-85.66	925.11	375.42	2.47	PASS
13913.00†	7447.00	5799.98	2303.95	13584.31	7377.00	5802.41	1382.17	-85.66	924.43	381.59	2.43	PASS
14013.00†	7447.00	5899.98	2303.54	13684.31	7377.00	5902.41	1382.44	-85.65	923.76	387.78	2.38	PASS
14113.00†	7447.00	5999.98	2303.13	13784.31	7377.00	6002.41	1382.70	-85.65	923.09	393.96	2.35	PASS
14213.00†	7447.00	6099.98	2302.72	13884.31	7377.00	6102.41	1382.96	-85.65	922.42	400.15	2.31	PASS
14313.00†	7447.00	6199.98	2302.31	13984.30	7377.00	6202.40	1383.23	-85.65	921.75	406.35	2.27	PASS
14413.00†	7447.00	6299.98	2301.90	14084.30	7377.00	6302.40	1383.49	-85.64	921.08	412.55	2.23	PASS
14513.00†	7447.00	6399.97	2301.49	14184.30	7377.00	6402.40	1383.76	-85.64	920.40	418.75	2.20	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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†	7447.00	6499.97	2301.08	14284.30	7377.00	6502.40	1384.02	-85.64	919.73	424.96	2.17	PASS
14713.00†	7447.00	6599.97	2300.67	14384.29	7377.00	6602.39	1384.28	-85.63	919.06	431.17	2.13	PASS
14813.00†	7447.00	6699.97	2300.26	14484.29	7377.00	6702.39	1384.55	-85.63	918.39	437.38	2.10	PASS
14913.00†	7447.00	6799.97	2299.85	14584.29	7377.00	6802.39	1384.81	-85.63	917.72	443.60	2.07	PASS
15013.00†	7447.00	6899.97	2299.44	14684.29	7377.00	6902.39	1385.08	-85.62	917.05	449.82	2.04	PASS
15113.00†	7447.00	6999.97	2299.03	14784.29	7377.00	7002.38	1385.34	-85.62	916.38	456.04	2.01	PASS
15213.00†	7447.00	7099.97	2298.63	14884.28	7377.00	7102.38	1385.60	-85.62	915.70	462.27	1.98	PASS
15313.00†	7447.00	7199.97	2298.22	14984.28	7377.00	7202.38	1385.87	-85.61	915.03	468.49	1.95	PASS
15413.00†	7447.00	7299.97	2297.81	15084.28	7377.00	7302.38	1386.13	-85.61	914.36	474.73	1.93	PASS
15513.00†	7447.00	7399.97	2297.40	15184.28	7377.00	7402.37	1386.40	-85.61	913.69	480.96	1.90	PASS
15613.00†	7447.00	7499.97	2296.99	15284.27	7377.00	7502.37	1386.66	-85.60	913.02	487.20	1.88	PASS
15713.00†	7447.00	7599.96	2296.58	15384.27	7377.00	7602.37	1386.92	-85.60	912.35	493.44	1.85	PASS
15813.00†	7447.00	7699.96	2296.17	15484.27	7377.00	7702.36	1387.19	-85.60	911.67	499.68	1.83	PASS
15913.00†	7447.00	7799.96	2295.76	15584.27	7377.00	7802.36	1387.45	-85.59	911.00	505.92	1.80	PASS
16013.00†	7447.00	7899.96	2295.35	15684.27	7377.00	7902.36	1387.72	-85.59	910.33	512.17	1.78	PASS
16113.00†	7447.00	7999.96	2294.94	15784.26	7377.00	8002.36	1387.98	-85.59	909.66	518.41	1.76	PASS
16213.00†	7447.00	8099.96	2294.53	15884.26	7377.00	8102.35	1388.25	-85.58	908.99	524.66	1.73	PASS
16313.00†	7447.00	8199.96	2294.12	15984.26	7377.00	8202.35	1388.51	-85.58	908.32	530.92	1.71	PASS
16413.00†	7447.00	8299.96	2293.71	16084.26	7377.00	8302.35	1388.77	-85.58	907.65	537.17	1.69	PASS
16513.00†	7447.00	8399.96	2293.30	16184.25	7377.00	8402.35	1389.04	-85.57	906.97	543.42	1.67	PASS
16613.00†	7447.00	8499.96	2292.89	16284.25	7377.00	8502.34	1389.30	-85.57	906.30	549.68	1.65	PASS
16713.00†	7447.00	8599.96	2292.48	16384.25	7377.00	8602.34	1389.57	-85.57	905.63	555.94	1.63	PASS
16813.00†	7447.00	8699.96	2292.07	16484.25	7377.00	8702.34	1389.83	-85.56	904.96	562.20	1.61	PASS
16913.00†	7447.00	8799.95	2291.66	16584.24	7377.00	8802.34	1390.09	-85.56	904.29	568.46	1.59	PASS
17013.00†	7447.00	8899.95	2291.26	16684.24	7377.00	8902.33	1390.36	-85.56	903.62	574.72	1.57	PASS
17113.00†	7447.00	8999.95	2290.85	16784.24	7377.00	9002.33	1390.62	-85.55	902.94	580.98	1.55	PASS
17213.00†	7447.00	9099.95	2290.44	16884.24	7377.00	9102.33	1390.89	-85.55	902.27	587.25	1.54	PASS
17313.00†	7447.00	9199.95	2290.03	16984.24	7377.00	9202.33	1391.15	-85.55	901.60	593.52	1.52	PASS
17413.00†	7447.00	9299.95	2289.62	17084.23	7377.00	9302.32	1391.41	-85.54	900.93	599.78	1.50	PASS
17513.00†	7447.00	9399.95	2289.21	17184.23	7377.00	9402.32	1391.68	-85.54	900.26	606.05	1.49	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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†	7447.00	9499.95	2288.80	17284.23	7377.00	9502.32	1391.94	-85.54	899.59	612.32	1.47	PASS
17713.00†	7447.00	9599.95	2288.39	17384.23	7377.00	9602.31	1392.21	-85.53	898.92	618.59	1.45	PASS
17813.00†	7447.00	9699.95	2287.98	17484.22	7377.00	9702.31	1392.47	-85.53	898.24	624.87	1.44	PASS
17913.00†	7447.00	9799.95	2287.57	17584.22	7377.00	9802.31	1392.73	-85.53	897.57	631.14	1.42	PASS
18011.32†	7447.00	9898.27	2287.17	17682.54	7377.00	9900.63	1392.99	-85.52	896.91	637.31	1.41	PASS
18013.00†	7447.00	9899.95	2287.16	17682.54	7377.00	9900.63	1392.99	-85.52	896.90	637.16	1.41	PASS
18031.05	7447.00	9918.00	2287.09	17682.54	7377.00	9900.63	1392.99	-85.52	897.00	634.75	1.41	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	410.92

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 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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	-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	2.03	47.16	PASS
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-58.88	-90.00	58.88	3.04	26.01	PASS
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-58.88	-90.00	58.88	4.08	17.70	PASS
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-58.88	-90.00	58.88	5.15	13.37	PASS
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-58.88	-90.00	58.88	6.21	10.73	PASS
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-58.88	-90.00	58.88	7.28	8.96	PASS
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-58.88	-90.00	58.88	7.73	8.29	PASS
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	-58.88	-90.00	58.88	7.83	8.17	PASS
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	-58.88	-90.00	58.88	8.07	7.90	PASS
1000.00	1000.00	0.00	0.00	1000.00	1000.00	0.00	-58.88	-90.00	58.88	8.40	7.56	PASS
1013.00†	1013.00	-0.01	0.03	1013.00	1013.00	0.00	-58.88	167.61	58.91	8.46	7.51	PASS
1113.00†	1112.97	-0.48	2.18	1112.97	1112.97	0.00	-58.88	168.04	61.06	9.04	7.24	PASS
1213.00†	1212.80	-1.70	7.73	1212.80	1212.80	0.00	-58.88	169.04	66.63	9.95	7.13	PASS
1313.00†	1312.38	-3.67	16.68	1312.38	1312.38	0.00	-58.88	170.33	75.65	10.89	7.36	PASS
1413.00†	1411.57	-6.38	29.03	1411.91	1411.91	-0.01	-58.86	171.67	88.12	11.85	7.85	PASS
1513.00†	1510.26	-9.83	44.74	1514.09	1514.06	-0.99	-56.84	172.51	102.03	12.90	8.31	PASS
1613.00†	1608.33	-14.03	63.81	1616.75	1616.54	-3.58	-51.51	172.73	116.08	14.12	8.60	PASS
1713.00†	1705.66	-18.95	86.21	1719.89	1719.23	-7.79	-42.83	172.51	130.23	15.32	8.87	PASS
1813.00†	1802.13	-24.60	111.92	1823.50	1821.96	-13.64	-30.77	171.99	144.48	16.51	9.10	PASS
1913.00†	1897.62	-30.97	140.89	1927.57	1924.60	-21.15	-15.30	171.24	158.81	17.69	9.31	PASS
2013.00†	1992.02	-38.05	173.11	2029.09	2024.14	-29.85	2.61	170.40	173.69	18.80	9.56	PASS
2102.58	2075.56	-44.99	204.69	2117.23	2110.49	-37.56	18.50	169.87	189.58	19.76	9.92	PASS
2113.00†	2085.22	-45.83	208.51	2127.46	2120.51	-38.46	20.35	169.83	191.58	19.86	9.96	PASS
2213.00†	2177.90	-53.89	245.17	2225.58	2216.64	-47.05	38.04	169.48	210.84	20.86	10.43	PASS
2313.00†	2270.59	-61.95	281.84	2323.70	2312.77	-55.63	55.73	169.18	230.10	21.86	10.84	PASS
2413.00†	2363.27	-70.01	318.51	2421.82	2408.90	-64.22	73.42	168.94	249.37	22.92	11.20	PASS
2513.00†	2455.96	-78.07	355.18	2519.94	2505.03	-72.81	91.12	168.72	268.64	24.00	11.50	PASS
2613.00†	2548.64	-86.13	391.85	2618.06	2601.16	-81.40	108.81	168.54	287.91	25.12	11.77	PASS
2713.00†	2641.33	-94.19	428.52	2716.18	2697.29	-89.99	126.50	168.38	307.18	26.26	12.00	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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†	2734.01	-102.25	465.19	2814.30	2793.42	-98.58	144.20	168.23	326.46	27.41	12.20	PASS
2913.00†	2826.69	-110.31	501.86	2912.42	2889.55	-107.16	161.89	168.11	345.74	28.59	12.37	PASS
3013.00†	2919.38	-118.37	538.53	3010.55	2985.68	-115.75	179.58	168.00	365.02	29.78	12.53	PASS
3113.00†	3012.06	-126.43	575.19	3108.67	3081.81	-124.34	197.28	167.89	384.30	30.99	12.67	PASS
3213.00†	3104.75	-134.49	611.86	3206.79	3177.94	-132.93	214.97	167.80	403.59	32.21	12.79	PASS
3313.00†	3197.43	-142.55	648.53	3304.91	3274.07	-141.52	232.66	167.72	422.87	33.44	12.90	PASS
3413.00†	3290.12	-150.61	685.20	3403.03	3370.20	-150.11	250.36	167.64	442.16	34.68	12.99	PASS
3513.00†	3382.80	-158.67	721.87	3501.15	3466.33	-158.69	268.05	167.57	461.44	35.93	13.08	PASS
3613.00†	3475.49	-166.73	758.54	3599.27	3562.46	-167.28	285.74	167.51	480.73	37.18	13.16	PASS
3713.00†	3568.17	-174.79	795.21	3697.39	3658.59	-175.87	303.44	167.45	500.02	38.45	13.23	PASS
3813.00†	3660.86	-182.85	831.88	3795.52	3754.72	-184.46	321.13	167.39	519.30	39.72	13.29	PASS
3913.00†	3753.54	-190.91	868.55	3893.64	3850.85	-193.05	338.82	167.34	538.59	40.99	13.35	PASS
4013.00†	3846.23	-198.97	905.21	3991.76	3946.98	-201.64	356.52	167.29	557.88	42.28	13.40	PASS
4113.00†	3938.91	-207.03	941.88	4089.88	4043.11	-210.22	374.21	167.25	577.17	43.56	13.45	PASS
4213.00†	4031.59	-215.09	978.55	4188.00	4139.24	-218.81	391.90	167.21	596.46	44.85	13.50	PASS
4313.00†	4124.28	-223.15	1015.22	4286.12	4235.37	-227.40	409.60	167.17	615.74	46.15	13.54	PASS
4413.00†	4216.96	-231.21	1051.89	4384.24	4331.50	-235.99	427.29	167.13	635.03	47.45	13.57	PASS
4513.00†	4309.65	-239.27	1088.56	4482.36	4427.63	-244.58	444.98	167.10	654.32	48.75	13.61	PASS
4613.00†	4402.33	-247.33	1125.23	4580.49	4523.76	-253.17	462.67	167.07	673.61	50.05	13.64	PASS
4713.00†	4495.02	-255.39	1161.90	4678.61	4619.89	-261.75	480.37	167.04	692.90	51.36	13.67	PASS
4813.00†	4587.70	-263.45	1198.57	4776.73	4716.02	-270.34	498.06	167.01	712.19	52.67	13.69	PASS
4913.00†	4680.39	-271.51	1235.23	4874.85	4812.15	-278.93	515.75	166.98	731.48	53.98	13.72	PASS
5013.00†	4773.07	-279.57	1271.90	4972.97	4908.28	-287.52	533.45	166.95	750.77	55.30	13.74	PASS
5113.00†	4865.76	-287.63	1308.57	5071.09	5004.41	-296.11	551.14	166.93	770.06	56.62	13.76	PASS
5213.00†	4958.44	-295.69	1345.24	5169.21	5100.54	-304.70	568.83	166.91	789.35	57.94	13.78	PASS
5313.00†	5051.12	-303.75	1381.91	5267.33	5196.67	-313.28	586.53	166.88	808.65	59.26	13.80	PASS
5413.00†	5143.81	-311.81	1418.58	5365.46	5292.80	-321.87	604.22	166.86	827.94	60.58	13.82	PASS
5513.00†	5236.49	-319.87	1455.25	5463.58	5388.93	-330.46	621.91	166.84	847.23	61.91	13.83	PASS
5613.00†	5329.18	-327.93	1491.92	5561.70	5485.06	-339.05	639.61	166.82	866.52	63.23	13.85	PASS
5713.00†	5421.86	-335.99	1528.59	5659.82	5581.19	-347.64	657.30	166.80	885.81	64.56	13.86	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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†	5514.55	-344.05	1565.25	5757.94	5677.32	-356.23	674.99	166.79	905.10	65.89	13.88	PASS
5913.00†	5607.23	-352.11	1601.92	5856.06	5773.45	-364.81	692.69	166.77	924.39	67.22	13.89	PASS
6013.00†	5699.92	-360.17	1638.59	5954.18	5869.58	-373.40	710.38	166.75	943.68	68.55	13.90	PASS
6113.00†	5792.60	-368.23	1675.26	6052.30	5965.71	-381.99	728.07	166.74	962.98	69.88	13.91	PASS
6213.00†	5885.29	-376.29	1711.93	6150.42	6061.84	-390.58	745.77	166.72	982.27	71.22	13.92	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
9.625in Casing Surface	13.00	700.00	687.00	13.00	700.00	0.00	-35.89	0.00	-35.89
8.5in Open Hole	700.00	17682.58	16982.58	700.00	N/A	0.00	-35.89	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 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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	-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	1.88	69.33	PASS	
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-75.71	-90.00	75.71	2.67	40.08	PASS	
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-75.71	-90.00	75.71	3.50	27.78	PASS	
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-75.71	-90.00	75.71	4.34	21.19	PASS	
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-75.71	-90.00	75.71	5.18	17.10	PASS	
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-75.71	-90.00	75.71	6.03	14.33	PASS	
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-75.71	-90.00	75.71	6.36	13.26	PASS	
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	-75.71	-90.00	75.71	6.49	12.96	PASS	
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	-75.71	-90.00	75.71	6.81	12.29	PASS	
1000.00	1000.00	0.00	0.00	1000.00	1000.00	0.00	-75.71	-90.00	75.71	7.22	11.52	PASS	
1013.00†	1013.00	-0.01	0.03	1013.00	1013.00	0.00	-75.71	167.61	75.73	7.29	11.41	PASS	
1113.00†	1112.97	-0.48	2.18	1112.97	1112.97	0.00	-75.71	167.95	77.88	7.97	10.63	PASS	
1213.00†	1212.80	-1.70	7.73	1212.80	1212.80	0.00	-75.71	168.74	83.45	8.97	10.01	PASS	
1313.00†	1312.38	-3.67	16.68	1312.38	1312.38	0.00	-75.71	169.82	92.46	10.00	9.88	PASS	
1413.00†	1411.57	-6.38	29.03	1411.57	1411.57	0.00	-75.71	171.00	104.93	11.03	10.10	PASS	
1513.00†	1510.26	-9.83	44.74	1510.69	1510.69	-0.01	-75.69	172.15	120.83	12.07	10.57	PASS	
1613.00†	1608.33	-14.03	63.81	1613.58	1613.55	-0.89	-73.64	172.96	138.17	13.21	11.00	PASS	
1713.00†	1705.66	-18.95	86.21	1717.12	1716.91	-3.23	-68.14	173.33	155.56	14.52	11.21	PASS	
1813.00†	1802.13	-24.60	111.92	1821.30	1820.62	-7.08	-59.16	173.39	172.96	15.80	11.42	PASS	
1913.00†	1897.62	-30.97	140.89	1926.12	1924.55	-12.44	-46.62	173.21	190.34	17.06	11.60	PASS	
2013.00†	1992.02	-38.05	173.11	2031.59	2028.54	-19.34	-30.49	172.86	207.69	18.30	11.77	PASS	
2102.58	2075.56	-44.99	204.69	2121.02	2116.34	-26.03	-14.82	172.52	224.07	19.28	12.03	PASS	
2113.00†	2085.22	-45.83	208.51	2131.23	2126.36	-26.80	-13.03	172.49	226.12	19.39	12.07	PASS	
2213.00†	2177.90	-53.89	245.17	2229.26	2222.58	-34.17	4.21	172.26	245.86	20.35	12.48	PASS	
2313.00†	2270.59	-61.95	281.84	2327.29	2318.80	-41.54	21.44	172.06	265.61	21.36	12.83	PASS	
2413.00†	2363.27	-70.01	318.51	2425.31	2415.02	-48.91	38.68	171.89	285.36	22.37	13.14	PASS	
2513.00†	2455.96	-78.07	355.18	2523.34	2511.23	-56.28	55.92	171.74	305.11	23.43	13.40	PASS	
2613.00†	2548.64	-86.13	391.85	2621.37	2607.45	-63.65	73.15	171.61	324.86	24.50	13.62	PASS	
2713.00†	2641.33	-94.19	428.52	2719.40	2703.67	-71.02	90.39	171.50	344.61	25.60	13.81	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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†	2734.01	-102.25	465.19	2817.42	2799.89	-78.39	107.63	171.39	364.36	26.72	13.98	PASS
2913.00†	2826.69	-110.31	501.86	2915.45	2896.11	-85.76	124.86	171.30	384.12	27.85	14.13	PASS
3013.00†	2919.38	-118.37	538.53	3013.48	2992.33	-93.13	142.10	171.22	403.87	28.99	14.25	PASS
3113.00†	3012.06	-126.43	575.19	3111.51	3088.55	-100.50	159.33	171.14	423.63	30.15	14.36	PASS
3213.00†	3104.75	-134.49	611.86	3209.53	3184.76	-107.87	176.57	171.07	443.39	31.32	14.46	PASS
3313.00†	3197.43	-142.55	648.53	3307.56	3280.98	-115.24	193.81	171.01	463.14	32.50	14.55	PASS
3413.00†	3290.12	-150.61	685.20	3405.59	3377.20	-122.61	211.04	170.95	482.90	33.68	14.62	PASS
3513.00†	3382.80	-158.67	721.87	3503.62	3473.42	-129.98	228.28	170.90	502.66	34.88	14.69	PASS
3613.00†	3475.49	-166.73	758.54	3601.64	3569.64	-137.35	245.51	170.85	522.42	36.08	14.75	PASS
3713.00†	3568.17	-174.79	795.21	3699.67	3665.86	-144.72	262.75	170.80	542.18	37.28	14.80	PASS
3813.00†	3660.86	-182.85	831.88	3797.70	3762.07	-152.09	279.99	170.76	561.94	38.50	14.85	PASS
3913.00†	3753.54	-190.91	868.55	3895.73	3858.29	-159.46	297.22	170.72	581.70	39.72	14.89	PASS
4013.00†	3846.23	-198.97	905.21	3993.76	3954.51	-166.83	314.46	170.69	601.46	40.94	14.93	PASS
4113.00†	3938.91	-207.03	941.88	4091.78	4050.73	-174.20	331.69	170.65	621.22	42.17	14.97	PASS
4213.00†	4031.59	-215.09	978.55	4189.81	4146.95	-181.57	348.93	170.62	640.98	43.40	15.00	PASS
4313.00†	4124.28	-223.15	1015.22	4287.84	4243.17	-188.94	366.17	170.59	660.74	44.63	15.03	PASS
4413.00†	4216.96	-231.21	1051.89	4385.87	4339.39	-196.31	383.40	170.56	680.50	45.87	15.05	PASS
4513.00†	4309.65	-239.27	1088.56	4483.89	4435.60	-203.68	400.64	170.53	700.26	47.11	15.08	PASS
4613.00†	4402.33	-247.33	1125.23	4581.92	4531.82	-211.05	417.87	170.51	720.02	48.35	15.10	PASS
4713.00†	4495.02	-255.39	1161.90	4679.95	4628.04	-218.42	435.11	170.48	739.78	49.60	15.12	PASS
4813.00†	4587.70	-263.45	1198.57	4777.98	4724.26	-225.79	452.35	170.46	759.54	50.85	15.13	PASS
4913.00†	4680.39	-271.51	1235.23	4876.00	4820.48	-233.16	469.58	170.44	779.31	52.10	15.15	PASS
5013.00†	4773.07	-279.57	1271.90	4974.03	4916.70	-240.53	486.82	170.42	799.07	53.35	15.17	PASS
5113.00†	4865.76	-287.63	1308.57	5072.06	5012.92	-247.90	504.06	170.40	818.83	54.61	15.18	PASS
5213.00†	4958.44	-295.69	1345.24	5170.09	5109.13	-255.27	521.29	170.38	838.59	55.86	15.19	PASS
5313.00†	5051.12	-303.75	1381.91	5268.11	5205.35	-262.64	538.53	170.36	858.35	57.12	15.20	PASS
5413.00†	5143.81	-311.81	1418.58	5366.14	5301.57	-270.01	555.76	170.34	878.11	58.38	15.21	PASS
5513.00†	5236.49	-319.87	1455.25	5464.17	5397.79	-277.38	573.00	170.33	897.88	59.64	15.22	PASS
5613.00†	5329.18	-327.93	1491.92	5562.20	5494.01	-284.75	590.24	170.31	917.64	60.91	15.23	PASS
5713.00†	5421.86	-335.99	1528.59	5660.22	5590.23	-292.12	607.47	170.30	937.40	62.17	15.24	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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†	5514.55	-344.05	1565.25	5758.25	5686.44	-299.49	624.71	170.28	957.16	63.44	15.25	PASS
5913.00†	5607.23	-352.11	1601.92	5856.28	5782.66	-306.86	641.94	170.27	976.93	64.70	15.25	PASS
6013.00†	5699.92	-360.17	1638.59	5954.31	5878.88	-314.24	659.18	170.25	996.69	65.97	15.26	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	-46.15	0.00	-46.15
8.5in Open Hole	700.00	17346.49	16646.49	700.00	N/A	0.00	-46.15	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 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.17-T01S-R65W		Slot: SLOT#01 EX AMOCO #17-32 (2013'FSL & 464'FWL, SEC.17, PR,8140')		Well: AMOCO #17-32		Threshold Value=1.00		† = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
13.00	13.00	0.00	0.00	-13.00	33.00	6764.96	3248.85	25.65	7504.67	25.40	305.01	PASS
113.00†	113.00	0.00	0.00	67.00	113.00	6764.96	3248.85	25.65	7504.64	51.57	147.79	PASS
213.00†	213.00	0.00	0.00	167.00	213.00	6764.96	3248.85	25.65	7504.64	53.93	141.25	PASS
313.00†	313.00	0.00	0.00	267.00	313.00	6764.96	3248.85	25.65	7504.64	56.29	135.24	PASS
413.00†	413.00	0.00	0.00	367.00	413.00	6764.96	3248.85	25.65	7504.64	58.66	129.69	PASS
513.00†	513.00	0.00	0.00	467.00	513.00	6764.96	3248.85	25.65	7504.64	61.05	124.55	PASS
613.00†	613.00	0.00	0.00	567.00	613.00	6764.96	3248.85	25.65	7504.64	63.45	119.79	PASS
713.00†	713.00	0.00	0.00	667.00	713.00	6764.96	3248.85	25.65	7504.64	65.72	115.42	PASS
813.00†	813.00	0.00	0.00	767.00	813.00	6764.96	3248.85	25.65	7504.64	68.06	111.41	PASS
913.00†	913.00	0.00	0.00	867.00	913.00	6764.96	3248.85	25.65	7504.64	70.41	107.65	PASS
1000.00	1000.00	0.00	0.00	954.00	1000.00	6764.96	3248.85	25.65	7504.64	72.47	104.57	PASS
1013.00†	1013.00	-0.01	0.03	967.00	1013.00	6764.96	3248.85	-76.74	7504.64	72.77	104.13	PASS
1113.00†	1112.97	-0.48	2.18	1066.97	1112.97	6764.96	3248.85	-76.77	7504.13	75.15	100.80	PASS
1213.00†	1212.80	-1.70	7.73	1166.80	1212.80	6764.96	3248.85	-76.84	7502.83	77.53	97.65	PASS
1313.00†	1312.38	-3.67	16.68	1266.38	1312.38	6764.96	3248.85	-76.95	7500.75	79.93	94.68	PASS
1413.00†	1411.57	-6.38	29.03	1365.57	1411.57	6764.96	3248.85	-77.10	7497.89	82.33	91.86	PASS
1513.00†	1510.26	-9.83	44.74	1464.26	1510.26	6764.96	3248.85	-77.29	7494.27	84.74	89.18	PASS
1613.00†	1608.33	-14.03	63.81	1562.33	1608.33	6764.96	3248.85	-77.51	7489.93	87.17	86.62	PASS
1713.00†	1705.66	-18.95	86.21	1659.66	1705.66	6764.96	3248.85	-77.78	7484.90	89.62	84.18	PASS
1813.00†	1802.13	-24.60	111.92	1756.13	1802.13	6764.96	3248.85	-78.08	7479.20	92.10	81.83	PASS
1913.00†	1897.62	-30.97	140.89	1851.62	1897.62	6764.96	3248.85	-78.42	7472.88	94.62	79.56	PASS
2013.00†	1992.02	-38.05	173.11	1946.02	1992.02	6764.96	3248.85	-78.79	7466.00	97.20	77.37	PASS
2102.58	2075.56	-44.99	204.69	2029.56	2075.56	6764.96	3248.85	-79.15	7459.38	99.56	75.45	PASS
2113.00†	2085.22	-45.83	208.51	2039.22	2085.22	6764.96	3248.85	-79.17	7458.59	99.84	75.23	PASS
2213.00†	2177.90	-53.89	245.17	2131.90	2177.90	6764.96	3248.85	-79.44	7451.09	102.55	73.15	PASS
2313.00†	2270.59	-61.95	281.84	2224.59	2270.59	6764.96	3248.85	-79.70	7443.78	105.34	71.14	PASS
2413.00†	2363.27	-70.01	318.51	2317.27	2363.27	6764.96	3248.85	-79.97	7436.64	108.19	69.18	PASS
2513.00†	2455.96	-78.07	355.18	2409.96	2455.96	6764.96	3248.85	-80.23	7429.69	111.11	67.29	PASS
2613.00†	2548.64	-86.13	391.85	2502.64	2548.64	6764.96	3248.85	-80.50	7422.93	114.08	65.47	PASS
2713.00†	2641.33	-94.19	428.52	2595.33	2641.33	6764.96	3248.85	-80.76	7416.34	117.10	63.71	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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
2813.00†	2734.01	-102.25	465.19	2688.01	2734.01	6764.96	3248.85	-81.03	7409.95	120.18	62.02	PASS
2913.00†	2826.69	-110.31	501.86	2780.69	2826.69	6764.96	3248.85	-81.29	7403.73	123.29	60.39	PASS
3013.00†	2919.38	-118.37	538.53	2873.38	2919.38	6764.96	3248.85	-81.56	7397.71	126.45	58.83	PASS
3113.00†	3012.06	-126.43	575.19	2966.06	3012.06	6764.96	3248.85	-81.83	7391.86	129.64	57.32	PASS
3213.00†	3104.75	-134.49	611.86	3058.75	3104.75	6764.96	3248.85	-82.10	7386.21	132.87	55.88	PASS
3313.00†	3197.43	-142.55	648.53	3151.43	3197.43	6764.96	3248.85	-82.36	7380.74	136.14	54.49	PASS
3413.00†	3290.12	-150.61	685.20	3244.12	3290.12	6764.96	3248.85	-82.63	7375.46	139.43	53.16	PASS
3513.00†	3382.80	-158.67	721.87	3336.80	3382.80	6764.96	3248.85	-82.90	7370.36	142.74	51.89	PASS
3613.00†	3475.49	-166.73	758.54	3429.49	3475.49	6764.96	3248.85	-83.17	7365.45	146.09	50.66	PASS
3713.00†	3568.17	-174.79	795.21	3522.17	3568.17	6764.96	3248.85	-83.44	7360.74	149.45	49.48	PASS
3813.00†	3660.86	-182.85	831.88	3614.86	3660.86	6764.96	3248.85	-83.71	7356.21	152.83	48.35	PASS
3913.00†	3753.54	-190.91	868.55	3707.54	3753.54	6764.96	3248.85	-83.98	7351.87	156.24	47.27	PASS
4013.00†	3846.23	-198.97	905.21	3800.23	3846.23	6764.96	3248.85	-84.25	7347.71	159.66	46.22	PASS
4113.00†	3938.91	-207.03	941.88	3892.91	3938.91	6764.96	3248.85	-84.52	7343.75	163.10	45.22	PASS
4213.00†	4031.59	-215.09	978.55	3985.59	4031.59	6764.96	3248.85	-84.79	7339.98	166.55	44.26	PASS
4313.00†	4124.28	-223.15	1015.22	4078.28	4124.28	6764.96	3248.85	-85.06	7336.40	170.01	43.33	PASS
4413.00†	4216.96	-231.21	1051.89	4170.96	4216.96	6764.96	3248.85	-85.33	7333.01	173.49	42.44	PASS
4513.00†	4309.65	-239.27	1088.56	4263.65	4309.65	6764.96	3248.85	-85.60	7329.80	176.98	41.58	PASS
4613.00†	4402.33	-247.33	1125.23	4356.33	4402.33	6764.96	3248.85	-85.87	7326.79	180.48	40.75	PASS
4713.00†	4495.02	-255.39	1161.90	4449.02	4495.02	6764.96	3248.85	-86.14	7323.98	183.99	39.96	PASS
4813.00†	4587.70	-263.45	1198.57	4541.70	4587.70	6764.96	3248.85	-86.42	7321.35	187.50	39.19	PASS
4913.00†	4680.39	-271.51	1235.23	4634.39	4680.39	6764.96	3248.85	-86.69	7318.91	191.03	38.45	PASS
5013.00†	4773.07	-279.57	1271.90	4727.07	4773.07	6764.96	3248.85	-86.96	7316.67	194.56	37.74	PASS
5113.00†	4865.76	-287.63	1308.57	4819.76	4865.76	6764.96	3248.85	-87.23	7314.62	198.10	37.05	PASS
5213.00†	4958.44	-295.69	1345.24	4912.44	4958.44	6764.96	3248.85	-87.51	7312.76	201.65	36.39	PASS
5313.00†	5051.12	-303.75	1381.91	5005.12	5051.12	6764.96	3248.85	-87.78	7311.09	205.20	35.75	PASS
5413.00†	5143.81	-311.81	1418.58	5097.81	5143.81	6764.96	3248.85	-88.05	7309.62	208.76	35.13	PASS
5513.00†	5236.49	-319.87	1455.25	5190.49	5236.49	6764.96	3248.85	-88.32	7308.33	212.32	34.53	PASS
5613.00†	5329.18	-327.93	1491.92	5283.18	5329.18	6764.96	3248.85	-88.60	7307.24	215.88	33.96	PASS
5713.00†	5421.86	-335.99	1528.59	5375.86	5421.86	6764.96	3248.85	-88.87	7306.35	219.45	33.40	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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
5813.00†	5514.55	-344.05	1565.25	5468.55	5514.55	6764.96	3248.85	-89.14	7305.64	223.03	32.86	PASS
5913.00†	5607.23	-352.11	1601.92	5561.23	5607.23	6764.96	3248.85	-89.41	7305.13	226.60	32.34	PASS
6013.00†	5699.92	-360.17	1638.59	5653.92	5699.92	6764.96	3248.85	-89.69	7304.81	230.18	31.83	PASS
6113.00†	5792.60	-368.23	1675.26	5746.60	5792.60	6764.96	3248.85	-89.96	7304.69	233.76	31.34	PASS
6213.00†	5885.29	-376.29	1711.93	5839.29	5885.29	6764.96	3248.85	-90.23	7304.76	237.35	30.87	PASS
6313.00†	5977.97	-384.34	1748.60	5931.97	5977.97	6764.96	3248.85	-90.51	7305.02	240.93	30.41	PASS
6413.00†	6070.66	-392.40	1785.27	6024.66	6070.66	6764.96	3248.85	-90.78	7305.47	244.52	29.96	PASS
6513.00†	6163.34	-400.46	1821.94	6117.34	6163.34	6764.96	3248.85	-91.05	7306.12	248.11	29.53	PASS
6613.00†	6256.02	-408.52	1858.61	6210.02	6256.02	6764.96	3248.85	-91.32	7306.96	251.69	29.11	PASS
6713.00†	6348.71	-416.58	1895.27	6302.71	6348.71	6764.96	3248.85	-91.60	7307.99	255.28	28.70	PASS
6813.00†	6441.39	-424.64	1931.94	6395.39	6441.39	6764.96	3248.85	-91.87	7309.22	258.87	28.31	PASS
6913.00†	6534.08	-432.70	1968.61	6488.08	6534.08	6764.96	3248.85	-92.14	7310.63	262.46	27.93	PASS
7013.00†	6626.76	-440.76	2005.28	6580.76	6626.76	6764.96	3248.85	-92.42	7312.24	266.05	27.55	PASS
7113.00†	6719.45	-448.82	2041.95	6673.45	6719.45	6764.96	3248.85	-92.69	7314.05	269.65	27.19	PASS
7213.00†	6812.13	-456.88	2078.62	6766.13	6812.13	6764.96	3248.85	-92.96	7316.04	273.23	26.84	PASS
7275.88	6870.41	-461.95	2101.68	6824.41	6870.41	6764.96	3248.85	-93.13	7317.39	275.49	26.63	PASS
7313.00†	6904.88	-463.74	2115.31	6858.88	6904.88	6764.96	3248.85	-84.01	7317.04	276.82	26.50	PASS
7413.00†	6997.54	-456.62	2151.90	6951.54	6997.54	6764.96	3248.85	-59.97	7304.42	280.43	26.11	PASS
7513.00†	7087.66	-432.31	2187.43	7041.66	7087.66	6764.96	3248.85	-41.87	7275.12	284.08	25.67	PASS
7613.00†	7172.51	-391.55	2220.80	7126.51	7172.51	6764.96	3248.85	-29.98	7229.97	287.38	25.22	PASS
7713.00†	7249.51	-335.57	2251.01	7203.51	7249.51	6764.96	3248.85	-21.87	7170.30	290.22	24.76	PASS
7813.00†	7316.32	-266.08	2277.13	7270.32	7316.32	6764.96	3248.85	-15.52	7097.87	292.52	24.32	PASS
7913.00†	7370.91	-185.19	2298.38	7324.91	7370.91	6764.96	3248.85	-9.19	7014.84	294.26	23.89	PASS
8013.00†	7411.62	-95.36	2314.10	7365.62	7411.62	6764.96	3248.85	-0.11	6923.71	295.42	23.49	PASS
8113.00†	7437.22	0.69	2323.82	7391.22	7437.22	6764.96	3248.85	21.20	6827.23	296.00	23.12	PASS
8213.00†	7446.92	100.03	2327.25	7400.92	7446.92	6764.96	3248.85	83.21	6728.35	296.01	22.78	PASS
8222.97	7447.00	110.00	2327.24	7401.00	7447.00	6764.96	3248.85	90.00	6718.47	295.98	22.75	PASS
8313.00†	7447.00	200.03	2326.88	7401.00	7447.00	6764.96	3248.85	90.00	6629.36	295.69	22.47	PASS
8413.00†	7447.00	300.03	2326.47	7401.00	7447.00	6764.96	3248.85	90.00	6530.40	295.35	22.16	PASS
8513.00†	7447.00	400.03	2326.06	7401.00	7447.00	6764.96	3248.85	90.00	6431.48	295.01	21.85	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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
8613.00†	7447.00	500.02	2325.65	7401.00	7447.00	6764.96	3248.85		90.00		6332.59	294.66	21.54	PASS
8713.00†	7447.00	600.02	2325.24	7401.00	7447.00	6764.96	3248.85		90.00		6233.74	294.29	21.23	PASS
8813.00†	7447.00	700.02	2324.83	7401.00	7447.00	6764.96	3248.85		90.00		6134.92	293.92	20.92	PASS
8913.00†	7447.00	800.02	2324.42	7401.00	7447.00	6764.96	3248.85		90.00		6036.14	293.54	20.61	PASS
9013.00†	7447.00	900.02	2324.01	7401.00	7447.00	6764.96	3248.85		90.00		5937.41	293.15	20.30	PASS
9113.00†	7447.00	1000.02	2323.60	7401.00	7447.00	6764.96	3248.85		90.00		5838.72	292.74	19.99	PASS
9213.00†	7447.00	1100.02	2323.19	7401.00	7447.00	6764.96	3248.85		90.00		5740.07	292.33	19.68	PASS
9313.00†	7447.00	1200.02	2322.78	7401.00	7447.00	6764.96	3248.85		90.00		5641.47	291.90	19.37	PASS
9413.00†	7447.00	1300.02	2322.37	7401.00	7447.00	6764.96	3248.85		90.00		5542.92	291.46	19.06	PASS
9513.00†	7447.00	1400.02	2321.96	7401.00	7447.00	6764.96	3248.85		90.00		5444.42	291.01	18.75	PASS
9613.00†	7447.00	1500.02	2321.55	7401.00	7447.00	6764.96	3248.85		90.00		5345.98	290.55	18.44	PASS
9713.00†	7447.00	1600.02	2321.14	7401.00	7447.00	6764.96	3248.85		90.00		5247.60	290.07	18.13	PASS
9813.00†	7447.00	1700.01	2320.73	7401.00	7447.00	6764.96	3248.85		90.00		5149.28	289.57	17.82	PASS
9913.00†	7447.00	1800.01	2320.33	7401.00	7447.00	6764.96	3248.85		90.00		5051.02	289.07	17.51	PASS
10013.00†	7447.00	1900.01	2319.92	7401.00	7447.00	6764.96	3248.85		90.00		4952.84	288.54	17.20	PASS
10113.00†	7447.00	2000.01	2319.51	7401.00	7447.00	6764.96	3248.85		90.00		4854.73	288.00	16.90	PASS
10213.00†	7447.00	2100.01	2319.10	7401.00	7447.00	6764.96	3248.85		90.00		4756.70	287.44	16.59	PASS
10313.00†	7447.00	2200.01	2318.69	7401.00	7447.00	6764.96	3248.85		90.00		4658.75	286.87	16.28	PASS
10413.00†	7447.00	2300.01	2318.28	7401.00	7447.00	6764.96	3248.85		90.00		4560.89	286.28	15.97	PASS
10513.00†	7447.00	2400.01	2317.87	7401.00	7447.00	6764.96	3248.85		90.00		4463.13	285.67	15.66	PASS
10613.00†	7447.00	2500.01	2317.46	7401.00	7447.00	6764.96	3248.85		90.00		4365.47	285.04	15.35	PASS
10713.00†	7447.00	2600.01	2317.05	7401.00	7447.00	6764.96	3248.85		90.00		4267.91	284.39	15.04	PASS
10813.00†	7447.00	2700.01	2316.64	7401.00	7447.00	6764.96	3248.85		90.00		4170.47	283.72	14.73	PASS
10913.00†	7447.00	2800.01	2316.23	7401.00	7447.00	6764.96	3248.85		90.00		4073.16	283.03	14.42	PASS
11013.00†	7447.00	2900.00	2315.82	7401.00	7447.00	6764.96	3248.85		90.00		3975.98	282.32	14.12	PASS
11113.00†	7447.00	3000.00	2315.41	7401.00	7447.00	6764.96	3248.85		90.00		3878.94	281.59	13.81	PASS
11213.00†	7447.00	3100.00	2315.00	7401.00	7447.00	6764.96	3248.85		90.00		3782.06	280.84	13.50	PASS
11313.00†	7447.00	3200.00	2314.59	7401.00	7447.00	6764.96	3248.85		90.00		3685.34	280.07	13.19	PASS
11413.00†	7447.00	3300.00	2314.18	7401.00	7447.00	6764.96	3248.85		90.00		3588.81	279.29	12.88	PASS
11513.00†	7447.00	3400.00	2313.77	7401.00	7447.00	6764.96	3248.85		90.00		3492.46	278.48	12.57	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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
11613.00†	7447.00	3500.00	2313.36	7401.00	7447.00	6764.96	3248.85		90.00		3396.33	277.66	12.26	PASS
11713.00†	7447.00	3600.00	2312.96	7401.00	7447.00	6764.96	3248.85		90.00		3300.43	276.83	11.95	PASS
11813.00†	7447.00	3700.00	2312.55	7401.00	7447.00	6764.96	3248.85		90.00		3204.79	275.99	11.64	PASS
11913.00†	7447.00	3800.00	2312.14	7401.00	7447.00	6764.96	3248.85		90.00		3109.41	275.15	11.33	PASS
12013.00†	7447.00	3900.00	2311.73	7401.00	7447.00	6764.96	3248.85		90.00		3014.33	274.31	11.01	PASS
12113.00†	7447.00	4000.00	2311.32	7401.00	7447.00	6764.96	3248.85		90.00		2919.59	273.49	10.70	PASS
12213.00†	7447.00	4099.99	2310.91	7401.00	7447.00	6764.96	3248.85		90.00		2825.20	272.69	10.38	PASS
12313.00†	7447.00	4199.99	2310.50	7401.00	7447.00	6764.96	3248.85		90.00		2731.22	271.93	10.07	PASS
12413.00†	7447.00	4299.99	2310.09	7401.00	7447.00	6764.96	3248.85		90.00		2637.67	271.22	9.75	PASS
12513.00†	7447.00	4399.99	2309.68	7401.00	7447.00	6764.96	3248.85		90.00		2544.62	270.60	9.43	PASS
12613.00†	7447.00	4499.99	2309.27	7401.00	7447.00	6764.96	3248.85		90.00		2452.12	270.09	9.10	PASS
12713.00†	7447.00	4599.99	2308.86	7401.00	7447.00	6764.96	3248.85		90.00		2360.23	269.73	8.77	PASS
12813.00†	7447.00	4699.99	2308.45	7401.00	7447.00	6764.96	3248.85		90.00		2269.02	269.57	8.44	PASS
12913.00†	7447.00	4799.99	2308.04	7401.00	7447.00	6764.96	3248.85		90.00		2178.58	269.65	8.10	PASS
13013.00†	7447.00	4899.99	2307.63	7401.00	7447.00	6764.96	3248.85		90.00		2089.02	270.06	7.75	PASS
13113.00†	7447.00	4999.99	2307.22	7401.00	7447.00	6764.96	3248.85		90.00		2000.45	270.87	7.40	PASS
13213.00†	7447.00	5099.99	2306.81	7401.00	7447.00	6764.96	3248.85		90.00		1913.00	272.17	7.04	PASS
13313.00†	7447.00	5199.98	2306.40	7401.00	7447.00	6764.96	3248.85		90.00		1826.84	274.05	6.68	PASS
13413.00†	7447.00	5299.98	2306.00	7401.00	7447.00	6764.96	3248.85		90.00		1742.16	276.65	6.31	PASS
13513.00†	7447.00	5399.98	2305.59	7401.00	7447.00	6764.96	3248.85		90.00		1659.19	280.06	5.94	PASS
13613.00†	7447.00	5499.98	2305.18	7401.00	7447.00	6764.96	3248.85		90.00		1578.19	284.41	5.56	PASS
13713.00†	7447.00	5599.98	2304.77	7401.00	7447.00	6764.96	3248.85		90.00		1499.49	289.80	5.18	PASS
13813.00†	7447.00	5699.98	2304.36	7401.00	7447.00	6764.96	3248.85		90.00		1423.46	296.35	4.81	PASS
13913.00†	7447.00	5799.98	2303.95	7401.00	7447.00	6764.96	3248.85		90.00		1350.56	304.13	4.45	PASS
14013.00†	7447.00	5899.98	2303.54	7401.00	7447.00	6764.96	3248.85		90.00		1281.33	313.19	4.10	PASS
14113.00†	7447.00	5999.98	2303.13	7401.00	7447.00	6764.96	3248.85		90.00		1216.38	323.55	3.77	PASS
14213.00†	7447.00	6099.98	2302.72	7401.00	7447.00	6764.96	3248.85		90.00		1156.44	335.16	3.46	PASS
14313.00†	7447.00	6199.98	2302.31	7401.00	7447.00	6764.96	3248.85		90.00		1102.33	347.86	3.17	PASS
14413.00†	7447.00	6299.98	2301.90	7401.00	7447.00	6764.96	3248.85		90.00		1054.95	361.41	2.92	PASS
14513.00†	7447.00	6399.97	2301.49	7401.00	7447.00	6764.96	3248.85		90.00		1015.23	375.43	2.71	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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
14613.00†	7447.00	6499.97	2301.08	7401.00	7447.00	6764.96	3248.85			90.00	984.11	389.38	2.53	PASS
14713.00†	7447.00	6599.97	2300.67	7401.00	7447.00	6764.96	3248.85			90.00	962.42	402.66	2.39	PASS
14813.00†	7447.00	6699.97	2300.26	7401.00	7447.00	6764.96	3248.85			90.00	950.81	414.62	2.30	PASS
14874.60†	7447.00	6761.57	2300.01	7403.11	7449.11	6764.96	3248.85			90.13	948.85	421.11	2.26	PASS
14913.00†	7447.00	6799.97	2299.85	7401.00	7447.00	6764.96	3248.85			90.00	949.64	424.70	2.24	PASS
15013.00†	7447.00	6899.97	2299.44	7401.00	7447.00	6764.96	3248.85			90.00	958.96	432.51	2.22	PASS
15113.00†	7447.00	6999.97	2299.03	7401.00	7447.00	6764.96	3248.85			90.00	978.46	437.89	2.24	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 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.19-T01S-R65W Slot: SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19) Well: CONNER 19-18-3CDH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
13.00	13.00	0.00	0.00	13.00	13.00	0.00	-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
1000.00	1000.00	0.00	0.00	1000.00	1000.00	0.00	-89.73	-90.00	89.73	7.22	13.68	PASS
1013.00†	1013.00	-0.01	0.03	1013.00	1013.00	0.00	-89.73	167.61	89.75	7.28	13.55	PASS
1113.00†	1112.97	-0.48	2.18	1112.97	1112.97	0.00	-89.73	167.89	91.90	7.97	12.56	PASS
1213.00†	1212.80	-1.70	7.73	1212.80	1212.80	0.00	-89.73	168.57	97.47	8.97	11.71	PASS
1313.00†	1312.38	-3.67	16.68	1312.38	1312.38	0.00	-89.73	169.52	106.47	9.99	11.39	PASS
1413.00†	1411.57	-6.38	29.03	1411.57	1411.57	0.00	-89.73	170.58	118.92	11.03	11.46	PASS
1513.00†	1510.26	-9.83	44.74	1510.26	1510.26	0.00	-89.73	171.66	134.83	12.07	11.81	PASS
1613.00†	1608.33	-14.03	63.81	1608.74	1608.74	-0.01	-89.71	172.66	154.16	13.11	12.37	PASS
1713.00†	1705.66	-18.95	86.21	1711.63	1711.60	-1.26	-87.95	173.25	175.16	14.23	12.90	PASS
1813.00†	1802.13	-24.60	111.92	1815.18	1814.98	-4.67	-83.13	173.30	196.49	15.51	13.23	PASS
1913.00†	1897.62	-30.97	140.89	1919.37	1918.71	-10.28	-75.21	172.94	218.12	16.76	13.54	PASS
2013.00†	1992.02	-38.05	173.11	2024.17	2022.62	-18.11	-64.14	172.28	240.05	18.00	13.84	PASS
2102.58	2075.56	-44.99	204.69	2111.92	2109.37	-25.75	-53.36	171.67	260.96	18.97	14.25	PASS
2113.00†	2085.22	-45.83	208.51	2122.01	2119.35	-26.63	-52.12	171.62	263.55	19.08	14.31	PASS
2213.00†	2177.90	-53.89	245.17	2218.85	2215.08	-35.06	-40.20	171.17	288.41	20.05	14.88	PASS
2313.00†	2270.59	-61.95	281.84	2315.69	2310.81	-43.50	-28.29	170.79	313.27	21.06	15.36	PASS
2413.00†	2363.27	-70.01	318.51	2412.53	2406.54	-51.94	-16.38	170.47	338.16	22.10	15.78	PASS
2513.00†	2455.96	-78.07	355.18	2509.37	2502.27	-60.37	-4.46	170.19	363.05	23.16	16.14	PASS
2613.00†	2548.64	-86.13	391.85	2606.20	2598.01	-68.81	7.45	169.94	387.94	24.26	16.44	PASS
2713.00†	2641.33	-94.19	428.52	2703.04	2693.74	-77.24	19.37	169.73	412.84	25.37	16.71	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.19-T01S-R65W Slot: SLOT#09 CONNER 19-18-3CDH (350'FSL & 1915'FWL, SEC.19) Well: CONNER 19-18-3CDH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2813.00†	2734.01	-102.25	465.19	2799.88	2789.47	-85.68	31.28	169.54	437.75	26.50	16.94	PASS
2913.00†	2826.69	-110.31	501.86	2896.72	2885.20	-94.12	43.19	169.37	462.66	27.65	17.15	PASS
3013.00†	2919.38	-118.37	538.53	2993.56	2980.94	-102.55	55.11	169.22	487.58	28.81	17.32	PASS
3113.00†	3012.06	-126.43	575.19	3090.40	3076.67	-110.99	67.02	169.08	512.49	29.99	17.48	PASS
3213.00†	3104.75	-134.49	611.86	3187.24	3172.40	-119.42	78.94	168.96	537.41	31.17	17.62	PASS
3313.00†	3197.43	-142.55	648.53	3284.08	3268.13	-127.86	90.85	168.84	562.34	32.37	17.74	PASS
3413.00†	3290.12	-150.61	685.20	3380.92	3363.86	-136.30	102.76	168.74	587.26	33.57	17.85	PASS
3513.00†	3382.80	-158.67	721.87	3477.75	3459.60	-144.73	114.68	168.64	612.19	34.79	17.94	PASS
3613.00†	3475.49	-166.73	758.54	3574.59	3555.33	-153.17	126.59	168.56	637.11	36.01	18.03	PASS
3713.00†	3568.17	-174.79	795.21	3671.43	3651.06	-161.60	138.51	168.48	662.04	37.23	18.11	PASS
3813.00†	3660.86	-182.85	831.88	3768.27	3746.79	-170.04	150.42	168.40	686.97	38.47	18.18	PASS
3913.00†	3753.54	-190.91	868.55	3865.11	3842.53	-178.48	162.34	168.33	711.90	39.70	18.24	PASS
4013.00†	3846.23	-198.97	905.21	3961.95	3938.26	-186.91	174.25	168.26	736.83	40.95	18.29	PASS
4113.00†	3938.91	-207.03	941.88	4058.79	4033.99	-195.35	186.16	168.20	761.77	42.19	18.35	PASS
4213.00†	4031.59	-215.09	978.55	4155.63	4129.72	-203.78	198.08	168.15	786.70	43.44	18.39	PASS
4313.00†	4124.28	-223.15	1015.22	4252.47	4225.45	-212.22	209.99	168.09	811.63	44.70	18.43	PASS
4413.00†	4216.96	-231.21	1051.89	4349.30	4321.19	-220.65	221.91	168.04	836.57	45.96	18.47	PASS
4513.00†	4309.65	-239.27	1088.56	4446.14	4416.92	-229.09	233.82	167.99	861.50	47.22	18.51	PASS
4613.00†	4402.33	-247.33	1125.23	4542.98	4512.65	-237.53	245.73	167.95	886.44	48.48	18.54	PASS
4713.00†	4495.02	-255.39	1161.90	4639.82	4608.38	-245.96	257.65	167.91	911.38	49.75	18.57	PASS
4813.00†	4587.70	-263.45	1198.57	4736.66	4704.12	-254.40	269.56	167.87	936.31	51.02	18.60	PASS
4913.00†	4680.39	-271.51	1235.23	4833.50	4799.85	-262.83	281.48	167.83	961.25	52.29	18.62	PASS
5013.00†	4773.07	-279.57	1271.90	4930.34	4895.58	-271.27	293.39	167.79	986.19	53.57	18.64	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

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

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



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
9.625in Casing Surface	13.00	700.00	687.00	13.00	700.00	0.00	-54.70	0.00	-54.70
8.5in Open Hole	700.00	17833.19	17133.19	700.00	N/A	0.00	-54.70	N/A	N/A

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

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

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

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



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.18-T01S-R65W													Slot: SLOT#01 EX TRACY #1 (990'FSL & 1650'FEL, SEC.18, PR,8150)		Well: TRACY #1		Threshold Value=1.00 † = interpolated/extrapolated station			
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status								
13.00	13.00	0.00	0.00	-13.00	40.00	5950.24	1181.00	11.23	6066.37	25.40	246.55	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 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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	-103.74	-90.00	103.74	1.40	171.57	PASS
113.00†	113.00	0.00	0.00	113.00	113.00	0.00	-103.74	-90.00	103.74	1.88	95.64	PASS
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-103.74	-90.00	103.74	2.66	55.30	PASS
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-103.74	-90.00	103.74	3.49	38.31	PASS
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-103.74	-90.00	103.74	4.33	29.20	PASS
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-103.74	-90.00	103.74	5.17	23.56	PASS
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-103.74	-90.00	103.74	6.02	19.74	PASS
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-103.74	-90.00	103.74	6.50	17.78	PASS
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	-103.74	-90.00	103.74	6.87	16.73	PASS
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	-103.74	-90.00	103.74	7.30	15.62	PASS
1000.00	1000.00	0.00	0.00	1000.00	1000.00	0.00	-103.74	-90.00	103.74	7.74	14.65	PASS
1013.00†	1013.00	-0.01	0.03	1013.00	1013.00	0.00	-103.74	167.61	103.77	7.81	14.52	PASS
1113.00†	1112.97	-0.48	2.18	1112.97	1112.97	0.00	-103.74	167.85	105.92	8.46	13.57	PASS
1213.00†	1212.80	-1.70	7.73	1212.80	1212.80	0.00	-103.74	168.45	111.49	9.38	12.77	PASS
1313.00†	1312.38	-3.67	16.68	1312.38	1312.38	0.00	-103.74	169.29	120.48	10.30	12.49	PASS
1413.00†	1411.57	-6.38	29.03	1411.57	1411.57	0.00	-103.74	170.26	132.92	11.20	12.60	PASS
1513.00†	1510.26	-9.83	44.74	1510.62	1510.62	-0.02	-103.73	171.25	148.80	12.09	13.01	PASS
1613.00†	1608.33	-14.03	63.81	1612.61	1612.59	-1.79	-102.44	171.67	166.75	13.02	13.48	PASS
1713.00†	1705.66	-18.95	86.21	1714.84	1714.64	-6.50	-98.99	171.29	185.83	14.04	13.88	PASS
1813.00†	1802.13	-24.60	111.92	1817.21	1816.56	-14.15	-93.38	170.33	206.06	15.05	14.32	PASS
1913.00†	1897.62	-30.97	140.89	1914.62	1913.37	-22.86	-87.00	169.35	228.58	15.94	14.96	PASS
2013.00†	1992.02	-38.05	173.11	2011.18	2009.34	-31.49	-80.67	168.67	254.46	16.87	15.70	PASS
2102.58	2075.56	-44.99	204.69	2096.90	2094.52	-39.16	-75.06	168.26	280.44	17.71	16.46	PASS
2113.00†	2085.22	-45.83	208.51	2106.82	2104.38	-40.04	-74.41	168.23	283.62	17.80	16.55	PASS
2213.00†	2177.90	-53.89	245.17	2202.05	2199.03	-48.56	-68.17	168.03	314.10	18.63	17.49	PASS
2313.00†	2270.59	-61.95	281.84	2297.29	2293.68	-57.07	-61.93	167.86	344.58	19.49	18.31	PASS
2413.00†	2363.27	-70.01	318.51	2392.52	2388.33	-65.59	-55.69	167.71	375.07	20.38	19.03	PASS
2513.00†	2455.96	-78.07	355.18	2487.76	2482.98	-74.10	-49.45	167.59	405.56	21.30	19.66	PASS
2613.00†	2548.64	-86.13	391.85	2583.00	2577.63	-82.61	-43.22	167.49	436.05	22.22	20.23	PASS
2713.00†	2641.33	-94.19	428.52	2678.23	2672.28	-91.13	-36.98	167.40	466.54	23.17	20.74	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.19-T01S-R65W Slot: SLOT#08 CONNER 19-18-2NBH (350'FSL & 1900'FWL, SEC.19) Well: CONNER 19-18-2NBH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2813.00†	2734.01	-102.25	465.19	2773.47	2766.93	-99.64	-30.74	167.32	497.03	24.14	21.19	PASS
2913.00†	2826.69	-110.31	501.86	2868.70	2861.58	-108.16	-24.50	167.25	527.52	25.11	21.59	PASS
3013.00†	2919.38	-118.37	538.53	2963.94	2956.23	-116.67	-18.26	167.19	558.01	26.10	21.94	PASS
3113.00†	3012.06	-126.43	575.19	3059.18	3050.88	-125.18	-12.03	167.13	588.50	27.11	22.27	PASS
3213.00†	3104.75	-134.49	611.86	3154.41	3145.53	-133.70	-5.79	167.08	619.00	28.12	22.56	PASS
3313.00†	3197.43	-142.55	648.53	3249.65	3240.18	-142.21	0.45	167.03	649.49	29.14	22.82	PASS
3413.00†	3290.12	-150.61	685.20	3344.88	3334.83	-150.73	6.69	166.99	679.99	30.16	23.06	PASS
3513.00†	3382.80	-158.67	721.87	3440.12	3429.47	-159.24	12.93	166.95	710.48	31.20	23.28	PASS
3613.00†	3475.49	-166.73	758.54	3535.36	3524.12	-167.76	19.16	166.92	740.97	32.24	23.48	PASS
3713.00†	3568.17	-174.79	795.21	3630.59	3618.77	-176.27	25.40	166.89	771.47	33.28	23.66	PASS
3813.00†	3660.86	-182.85	831.88	3725.83	3713.42	-184.78	31.64	166.86	801.96	34.33	23.83	PASS
3913.00†	3753.54	-190.91	868.55	3821.06	3808.07	-193.30	37.88	166.83	832.46	35.39	23.98	PASS
4013.00†	3846.23	-198.97	905.21	3916.30	3902.72	-201.81	44.12	166.80	862.96	36.45	24.12	PASS
4113.00†	3938.91	-207.03	941.88	4011.54	3997.37	-210.33	50.35	166.78	893.45	37.51	24.26	PASS
4213.00†	4031.59	-215.09	978.55	4106.77	4092.02	-218.84	56.59	166.76	923.95	38.58	24.38	PASS
4313.00†	4124.28	-223.15	1015.22	4202.01	4186.67	-227.35	62.83	166.74	954.44	39.65	24.49	PASS
4413.00†	4216.96	-231.21	1051.89	4297.24	4281.32	-235.87	69.07	166.72	984.94	40.72	24.60	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

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

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



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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	-63.24	0.00	-63.24
8.5in Open Hole	700.00	17534.29	16834.29	700.00	N/A	0.00	-63.24	N/A	N/A

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

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

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

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



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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	-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	1.88	111.57	PASS
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-120.57	-90.00	120.57	2.66	64.52	PASS
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-120.57	-90.00	120.57	3.48	44.67	PASS
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-120.57	-90.00	120.57	4.32	34.04	PASS
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-120.57	-90.00	120.57	5.16	27.46	PASS
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-120.57	-90.00	120.57	6.01	23.00	PASS
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-120.57	-90.00	120.57	6.34	21.27	PASS
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	-120.57	-90.00	120.57	6.47	20.80	PASS
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	-120.57	-90.00	120.57	6.79	19.71	PASS
1000.00	1000.00	0.00	0.00	1000.00	1000.00	0.00	-120.57	-90.00	120.57	7.20	18.46	PASS
1013.00†	1013.00	-0.01	0.03	1013.00	1013.00	0.00	-120.57	167.61	120.60	7.27	18.28	PASS
1113.00†	1112.97	-0.48	2.18	1112.97	1112.97	0.00	-120.57	167.82	122.75	7.95	16.84	PASS
1213.00†	1212.80	-1.70	7.73	1212.80	1212.80	0.00	-120.57	168.33	128.31	8.96	15.47	PASS
1313.00†	1312.38	-3.67	16.68	1312.38	1312.38	0.00	-120.57	169.07	137.30	9.98	14.73	PASS
1413.00†	1411.57	-6.38	29.03	1411.63	1411.63	-0.02	-120.57	169.94	149.73	11.01	14.46	PASS
1513.00†	1510.26	-9.83	44.74	1510.95	1510.93	-2.14	-120.45	170.12	165.37	12.05	14.52	PASS
1613.00†	1608.33	-14.03	63.81	1609.76	1609.57	-7.66	-120.13	169.36	184.06	13.10	14.79	PASS
1713.00†	1705.66	-18.95	86.21	1707.48	1706.95	-15.84	-119.66	168.13	205.90	14.16	15.25	PASS
1813.00†	1802.13	-24.60	111.92	1804.20	1803.31	-24.18	-119.19	167.23	231.11	15.24	15.86	PASS
1913.00†	1897.62	-30.97	140.89	1900.03	1898.78	-32.44	-118.72	166.65	259.62	16.33	16.57	PASS
2013.00†	1992.02	-38.05	173.11	1994.84	1993.24	-40.61	-118.25	166.30	291.37	17.44	17.37	PASS
2102.58	2075.56	-44.99	204.69	2078.83	2076.91	-47.85	-117.84	166.14	322.54	18.43	18.16	PASS
2113.00†	2085.22	-45.83	208.51	2088.54	2086.58	-48.69	-117.79	166.15	326.31	18.54	18.26	PASS
2213.00†	2177.90	-53.89	245.17	2181.75	2179.45	-56.72	-117.33	166.20	362.52	19.55	19.21	PASS
2313.00†	2270.59	-61.95	281.84	2274.97	2272.31	-64.76	-116.87	166.25	398.73	20.58	20.03	PASS
2413.00†	2363.27	-70.01	318.51	2368.18	2365.18	-72.79	-116.41	166.29	434.94	21.63	20.76	PASS
2513.00†	2455.96	-78.07	355.18	2461.39	2458.05	-80.83	-115.95	166.32	471.15	22.70	21.39	PASS
2613.00†	2548.64	-86.13	391.85	2554.61	2550.91	-88.86	-115.49	166.35	507.35	23.79	21.95	PASS
2713.00†	2641.33	-94.19	428.52	2647.82	2643.78	-96.90	-115.03	166.38	543.56	24.89	22.45	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.19-T01S-R65W Slot: SLOT#07 CONNER 19-18-2NCH (350'FSL & 1885'FWL, SEC.19) Well: CONNER 19-18-2NCH Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2813.00†	2734.01	-102.25	465.19	2741.03	2736.64	-104.93	-114.57	166.40	579.77	26.01	22.89	PASS
2913.00†	2826.69	-110.31	501.86	2834.25	2829.51	-112.97	-114.12	166.42	615.98	27.13	23.28	PASS
3013.00†	2919.38	-118.37	538.53	2927.46	2922.37	-121.00	-113.66	166.44	652.19	28.27	23.64	PASS
3113.00†	3012.06	-126.43	575.19	3020.68	3015.24	-129.04	-113.20	166.45	688.40	29.42	23.95	PASS
3213.00†	3104.75	-134.49	611.86	3113.89	3108.11	-137.07	-112.74	166.47	724.61	30.57	24.24	PASS
3313.00†	3197.43	-142.55	648.53	3207.10	3200.97	-145.11	-112.28	166.48	760.82	31.73	24.50	PASS
3413.00†	3290.12	-150.61	685.20	3300.32	3293.84	-153.14	-111.82	166.49	797.03	32.90	24.74	PASS
3513.00†	3382.80	-158.67	721.87	3393.53	3386.70	-161.18	-111.36	166.50	833.25	34.07	24.95	PASS
3613.00†	3475.49	-166.73	758.54	3486.74	3479.57	-169.21	-110.90	166.51	869.46	35.25	25.15	PASS
3713.00†	3568.17	-174.79	795.21	3579.96	3572.43	-177.25	-110.44	166.52	905.67	36.43	25.33	PASS
3813.00†	3660.86	-182.85	831.88	3673.17	3665.30	-185.29	-109.99	166.53	941.88	37.62	25.50	PASS
3913.00†	3753.54	-190.91	868.55	3766.39	3758.17	-193.32	-109.53	166.53	978.09	38.81	25.65	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	-73.50	0.00	-73.50
8.5in Open Hole	700.00	17584.04	16884.04	700.00	7472.00	0.00	-73.50	3009.93	-56.38



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

SURVEY PROGRAM - Offset Wellbore: CONNER 19-18-2NCH PWB Offset Wellpath: CONNER 19-18-2NCH PWP (REV-A.0)				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
13.00	700.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		CONNER 19-18-2NCH PWB
700.00	17584.04	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)		CONNER 19-18-2NCH PWB

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



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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	-134.59	-90.00	134.59	1.40	222.98	PASS
113.00†	113.00	0.00	0.00	113.00	113.00	0.00	-134.59	-90.00	134.59	1.88	124.49	PASS
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-134.59	-90.00	134.59	2.66	71.98	PASS
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-134.59	-90.00	134.59	3.49	49.85	PASS
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-134.59	-90.00	134.59	4.32	37.99	PASS
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-134.59	-90.00	134.59	5.17	30.65	PASS
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-134.59	-90.00	134.59	6.01	25.67	PASS
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-134.59	-90.00	134.59	6.35	23.74	PASS
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	-134.59	-90.00	134.59	6.48	23.22	PASS
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	-134.59	-90.00	134.59	6.79	22.00	PASS
1000.00	1000.00	0.00	0.00	1000.00	1000.00	0.00	-134.59	-90.00	134.59	7.20	20.61	PASS
1013.00†	1013.00	-0.01	0.03	1013.00	1013.00	0.00	-134.59	167.61	134.62	7.27	20.41	PASS
1113.00†	1112.97	-0.48	2.18	1112.97	1112.97	0.00	-134.59	167.80	136.76	7.96	18.77	PASS
1213.00†	1212.80	-1.70	7.73	1212.80	1212.80	0.00	-134.59	168.26	142.33	8.96	17.16	PASS
1313.00†	1312.38	-3.67	16.68	1312.14	1312.14	-0.02	-134.60	168.92	151.33	9.98	16.25	PASS
1413.00†	1411.57	-6.38	29.03	1409.30	1409.27	-1.92	-135.40	169.03	164.51	11.01	15.90	PASS
1513.00†	1510.26	-9.83	44.74	1505.52	1505.34	-6.78	-137.47	168.33	182.30	12.08	15.97	PASS
1613.00†	1608.33	-14.03	63.81	1601.12	1600.58	-14.44	-140.73	167.10	204.69	13.13	16.42	PASS
1713.00†	1705.66	-18.95	86.21	1697.59	1696.60	-22.97	-144.35	166.06	230.78	14.20	17.05	PASS
1813.00†	1802.13	-24.60	111.92	1793.15	1791.72	-31.41	-147.94	165.38	260.16	15.26	17.82	PASS
1913.00†	1897.62	-30.97	140.89	1887.68	1885.81	-39.76	-151.49	164.97	292.76	16.35	18.67	PASS
2013.00†	1992.02	-38.05	173.11	1981.05	1978.76	-48.01	-155.00	164.75	328.53	17.45	19.58	PASS
2102.58	2075.56	-44.99	204.69	2063.64	2060.96	-55.31	-158.10	164.67	363.23	18.43	20.46	PASS
2113.00†	2085.22	-45.83	208.51	2073.18	2070.45	-56.15	-158.46	164.69	367.41	18.54	20.56	PASS
2213.00†	2177.90	-53.89	245.17	2164.77	2161.62	-64.24	-161.90	164.86	407.53	19.54	21.61	PASS
2313.00†	2270.59	-61.95	281.84	2256.36	2252.79	-72.34	-165.34	165.00	447.66	20.56	22.51	PASS
2413.00†	2363.27	-70.01	318.51	2347.95	2343.96	-80.43	-168.78	165.11	487.79	21.60	23.32	PASS
2513.00†	2455.96	-78.07	355.18	2439.54	2435.13	-88.52	-172.22	165.21	527.92	22.66	24.02	PASS
2613.00†	2548.64	-86.13	391.85	2531.13	2526.30	-96.61	-175.66	165.30	568.05	23.74	24.63	PASS
2713.00†	2641.33	-94.19	428.52	2622.73	2617.46	-104.71	-179.10	165.37	608.18	24.83	25.18	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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†	2734.01	-102.25	465.19	2714.32	2708.63	-112.80	-182.54	165.43	648.31	25.94	25.67	PASS
2913.00†	2826.69	-110.31	501.86	2805.91	2799.80	-120.89	-185.98	165.49	688.45	27.05	26.11	PASS
3013.00†	2919.38	-118.37	538.53	2897.50	2890.97	-128.98	-189.42	165.54	728.58	28.18	26.50	PASS
3113.00†	3012.06	-126.43	575.19	2989.09	2982.14	-137.08	-192.86	165.59	768.71	29.31	26.85	PASS
3213.00†	3104.75	-134.49	611.86	3080.68	3073.30	-145.17	-196.30	165.63	808.85	30.45	27.17	PASS
3313.00†	3197.43	-142.55	648.53	3172.27	3164.47	-153.26	-199.74	165.66	848.98	31.60	27.46	PASS
3413.00†	3290.12	-150.61	685.20	3263.86	3255.64	-161.35	-203.18	165.70	889.12	32.76	27.72	PASS
3513.00†	3382.80	-158.67	721.87	3355.45	3346.81	-169.44	-206.62	165.73	929.25	33.92	27.96	PASS
3613.00†	3475.49	-166.73	758.54	3447.05	3437.98	-177.54	-210.06	165.75	969.39	35.08	28.18	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

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	-82.04	0.00	-82.04
8.5in Open Hole	700.00	17363.11	16663.11	700.00	7252.00	0.00	-82.04	3008.27	-141.81



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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	917.20	138.19	1375.78	50.40	27.72	PASS	
113.00†	113.00	0.00	0.00	117.00	113.00	-1025.44	917.20	138.19	1375.78	52.74	26.47	PASS	
213.00†	213.00	0.00	0.00	217.00	213.00	-1025.44	917.20	138.19	1375.78	55.10	25.32	PASS	
313.00†	313.00	0.00	0.00	317.00	313.00	-1025.44	917.20	138.19	1375.78	57.46	24.27	PASS	
413.00†	413.00	0.00	0.00	417.00	413.00	-1025.44	917.20	138.19	1375.78	59.84	23.29	PASS	
513.00†	513.00	0.00	0.00	517.00	513.00	-1025.44	917.20	138.19	1375.78	62.23	22.38	PASS	
613.00†	613.00	0.00	0.00	617.00	613.00	-1025.44	917.20	138.19	1375.78	64.63	21.54	PASS	
713.00†	713.00	0.00	0.00	717.00	713.00	-1025.44	917.20	138.19	1375.78	66.91	20.77	PASS	
813.00†	813.00	0.00	0.00	817.00	813.00	-1025.44	917.20	138.19	1375.78	69.25	20.06	PASS	
913.00†	913.00	0.00	0.00	917.00	913.00	-1025.44	917.20	138.19	1375.78	71.60	19.40	PASS	
1000.00	1000.00	0.00	0.00	1004.00	1000.00	-1025.44	917.20	138.19	1375.78	73.66	18.85	PASS	
1013.00†	1013.00	-0.01	0.03	1017.00	1013.00	-1025.44	917.20	35.79	1375.76	73.97	18.77	PASS	
1113.00†	1112.97	-0.48	2.18	1116.97	1112.97	-1025.44	917.20	35.87	1373.98	76.35	18.15	PASS	
1213.00†	1212.80	-1.70	7.73	1216.80	1212.80	-1025.44	917.20	36.06	1369.37	78.77	17.53	PASS	
1313.00†	1312.38	-3.67	16.68	1316.38	1312.38	-1025.44	917.20	36.38	1361.96	81.20	16.91	PASS	
1413.00†	1411.57	-6.38	29.03	1415.57	1411.57	-1025.44	917.20	36.82	1351.79	83.64	16.29	PASS	
1513.00†	1510.26	-9.83	44.74	1514.26	1510.26	-1025.44	917.20	37.38	1338.89	86.07	15.68	PASS	
1613.00†	1608.33	-14.03	63.81	1612.33	1608.33	-1025.44	917.20	38.09	1323.34	88.51	15.06	PASS	
1713.00†	1705.66	-18.95	86.21	1709.66	1705.66	-1025.44	917.20	38.93	1305.20	90.95	14.46	PASS	
1813.00†	1802.13	-24.60	111.92	1806.13	1802.13	-1025.44	917.20	39.93	1284.58	93.40	13.85	PASS	
1913.00†	1897.62	-30.97	140.89	1901.62	1897.62	-1025.44	917.20	41.09	1261.59	95.86	13.25	PASS	
2013.00†	1992.02	-38.05	173.11	1996.02	1992.02	-1025.44	917.20	42.42	1236.37	98.34	12.66	PASS	
2102.58	2075.56	-44.99	204.69	2079.56	2075.56	-1025.44	917.20	43.77	1212.00	100.58	12.13	PASS	
2113.00†	2085.22	-45.83	208.51	2089.22	2085.22	-1025.44	917.20	43.89	1209.08	100.84	12.07	PASS	
2213.00†	2177.90	-53.89	245.17	2181.90	2177.90	-1025.44	917.20	45.11	1181.32	103.36	11.50	PASS	
2313.00†	2270.59	-61.95	281.84	2274.59	2270.59	-1025.44	917.20	46.38	1154.12	105.95	10.96	PASS	
2413.00†	2363.27	-70.01	318.51	2367.27	2363.27	-1025.44	917.20	47.70	1127.51	108.60	10.44	PASS	
2513.00†	2455.96	-78.07	355.18	2459.96	2455.96	-1025.44	917.20	49.09	1101.53	111.32	9.95	PASS	
2613.00†	2548.64	-86.13	391.85	2552.64	2548.64	-1025.44	917.20	50.54	1076.24	114.11	9.48	PASS	
2713.00†	2641.33	-94.19	428.52	2645.33	2641.33	-1025.44	917.20	52.04	1051.68	116.97	9.04	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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†	2734.01	-102.25	465.19	2738.01	2734.01	-1025.44	917.20	53.62	1027.91	119.90	8.62	PASS
2913.00†	2826.69	-110.31	501.86	2830.69	2826.69	-1025.44	917.20	55.26	1004.97	122.91	8.22	PASS
3013.00†	2919.38	-118.37	538.53	2923.38	2919.38	-1025.44	917.20	56.96	982.94	126.00	7.84	PASS
3113.00†	3012.06	-126.43	575.19	3016.06	3012.06	-1025.44	917.20	58.74	961.87	129.16	7.48	PASS
3213.00†	3104.75	-134.49	611.86	3108.75	3104.75	-1025.44	917.20	60.58	941.82	132.39	7.15	PASS
3313.00†	3197.43	-142.55	648.53	3201.43	3197.43	-1025.44	917.20	62.50	922.86	135.70	6.83	PASS
3413.00†	3290.12	-150.61	685.20	3294.12	3290.12	-1025.44	917.20	64.48	905.07	139.07	6.54	PASS
3513.00†	3382.80	-158.67	721.87	3386.80	3382.80	-1025.44	917.20	66.54	888.51	142.51	6.26	PASS
3613.00†	3475.49	-166.73	758.54	3479.49	3475.49	-1025.44	917.20	68.65	873.25	146.01	6.01	PASS
3713.00†	3568.17	-174.79	795.21	3572.17	3568.17	-1025.44	917.20	70.83	859.36	149.55	5.77	PASS
3813.00†	3660.86	-182.85	831.88	3664.86	3660.86	-1025.44	917.20	73.07	846.90	153.13	5.55	PASS
3913.00†	3753.54	-190.91	868.55	3757.54	3753.54	-1025.44	917.20	75.37	835.95	156.74	5.35	PASS
4013.00†	3846.23	-198.97	905.21	3850.23	3846.23	-1025.44	917.20	77.71	826.56	160.37	5.17	PASS
4113.00†	3938.91	-207.03	941.88	3942.91	3938.91	-1025.44	917.20	80.10	818.79	164.00	5.01	PASS
4213.00†	4031.59	-215.09	978.55	4035.59	4031.59	-1025.44	917.20	82.52	812.67	167.63	4.86	PASS
4313.00†	4124.28	-223.15	1015.22	4128.28	4124.28	-1025.44	917.20	84.96	808.26	171.23	4.74	PASS
4413.00†	4216.96	-231.21	1051.89	4220.96	4216.96	-1025.44	917.20	87.43	805.57	174.81	4.62	PASS
4513.00†	4309.65	-239.27	1088.56	4313.65	4309.65	-1025.44	917.20	89.91	804.63	178.33	4.53	PASS
4613.00†	4402.33	-247.33	1125.23	4406.33	4402.33	-1025.44	917.20	92.38	805.44	181.81	4.44	PASS
4713.00†	4495.02	-255.39	1161.90	4499.02	4495.02	-1025.44	917.20	94.85	808.00	185.22	4.38	PASS
4813.00†	4587.70	-263.45	1198.57	4591.70	4587.70	-1025.44	917.20	97.30	812.28	188.55	4.32	PASS
4913.00†	4680.39	-271.51	1235.23	4684.39	4680.39	-1025.44	917.20	99.72	818.27	191.82	4.28	PASS
5013.00†	4773.07	-279.57	1271.90	4777.07	4773.07	-1025.44	917.20	102.11	825.92	195.00	4.25	PASS
5113.00†	4865.76	-287.63	1308.57	4869.76	4865.76	-1025.44	917.20	104.46	835.19	198.10	4.23	PASS
5213.00†	4958.44	-295.69	1345.24	4962.44	4958.44	-1025.44	917.20	106.76	846.03	201.12	4.22	PASS
5266.65†	5008.17	-300.01	1364.91	5012.17	5008.17	-1025.44	917.20	107.97	852.47	202.71	4.22	PASS
5313.00†	5051.12	-303.75	1381.91	5055.12	5051.12	-1025.44	917.20	109.00	858.37	204.06	4.22	PASS
5413.00†	5143.81	-311.81	1418.58	5147.81	5143.81	-1025.44	917.20	111.19	872.16	206.93	4.23	PASS
5513.00†	5236.49	-319.87	1455.25	5240.49	5236.49	-1025.44	917.20	113.31	887.32	209.73	4.24	PASS
5613.00†	5329.18	-327.93	1491.92	5333.18	5329.18	-1025.44	917.20	115.37	903.79	212.47	4.26	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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	
5713.00↑	5421.86	-335.99	1528.59	5425.86	5421.86	-1025.44	917.20	117.35	921.49	215.15	4.29	PASS	
5813.00↑	5514.55	-344.05	1565.25	5518.55	5514.55	-1025.44	917.20	119.27	940.36	217.77	4.33	PASS	
5913.00↑	5607.23	-352.11	1601.92	5611.23	5607.23	-1025.44	917.20	121.13	960.33	220.34	4.37	PASS	
6013.00↑	5699.92	-360.17	1638.59	5703.92	5699.92	-1025.44	917.20	122.91	981.33	222.88	4.41	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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



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CONNER 19-18-4NCH PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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	-148.61	-90.00	148.61	1.40	246.34	PASS
113.00†	113.00	0.00	0.00	113.00	113.00	0.00	-148.61	-90.00	148.61	1.88	137.42	PASS
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-148.61	-90.00	148.61	2.66	79.46	PASS
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-148.61	-90.00	148.61	3.49	55.03	PASS
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-148.61	-90.00	148.61	4.33	41.94	PASS
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-148.61	-90.00	148.61	5.17	33.84	PASS
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-148.61	-90.00	148.61	6.02	28.35	PASS
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-148.61	-90.00	148.61	6.35	26.21	PASS
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	-148.61	-90.00	148.61	6.48	25.63	PASS
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	-148.61	-90.00	148.61	6.80	24.29	PASS
1000.00	1000.00	0.00	0.00	1000.00	1000.00	0.00	-148.61	-90.00	148.61	7.21	22.76	PASS
1013.00†	1013.00	-0.01	0.03	1013.00	1013.00	0.00	-148.61	167.61	148.64	7.27	22.54	PASS
1113.00†	1112.97	-0.48	2.18	1112.97	1112.97	0.00	-148.61	167.78	150.78	7.96	20.70	PASS
1213.00†	1212.80	-1.70	7.73	1212.46	1212.46	-0.02	-148.62	168.18	156.36	8.96	18.86	PASS
1313.00†	1312.38	-3.67	16.68	1309.22	1309.19	-1.79	-149.67	168.16	166.40	9.99	17.85	PASS
1413.00†	1411.57	-6.38	29.03	1405.09	1404.92	-6.30	-152.36	167.44	181.51	11.09	17.42	PASS
1513.00†	1510.26	-9.83	44.74	1500.82	1500.29	-13.40	-156.59	166.26	201.61	12.15	17.56	PASS
1613.00†	1608.33	-14.03	63.81	1597.89	1596.92	-21.21	-161.24	165.30	225.45	13.19	18.00	PASS
1713.00†	1705.66	-18.95	86.21	1694.11	1692.73	-28.95	-165.85	164.69	252.59	14.25	18.60	PASS
1813.00†	1802.13	-24.60	111.92	1789.38	1787.58	-36.61	-170.41	164.35	282.96	15.32	19.32	PASS
1913.00†	1897.62	-30.97	140.89	1883.58	1881.36	-44.18	-174.92	164.20	316.51	16.39	20.13	PASS
2013.00†	1992.02	-38.05	173.11	1976.59	1973.96	-51.66	-179.38	164.18	353.21	17.48	21.01	PASS
2102.58	2075.56	-44.99	204.69	2058.81	2055.82	-58.27	-183.32	164.24	388.73	18.46	21.86	PASS
2113.00†	2085.22	-45.83	208.51	2068.30	2065.28	-59.04	-183.77	164.28	393.01	18.57	21.96	PASS
2213.00†	2177.90	-53.89	245.17	2159.47	2156.05	-66.37	-188.14	164.58	434.05	19.56	22.98	PASS
2313.00†	2270.59	-61.95	281.84	2250.64	2246.82	-73.70	-192.51	164.84	475.09	20.56	23.89	PASS
2413.00†	2363.27	-70.01	318.51	2341.81	2337.58	-81.03	-196.88	165.05	516.15	21.59	24.68	PASS
2513.00†	2455.96	-78.07	355.18	2432.98	2428.35	-88.37	-201.24	165.23	557.20	22.64	25.38	PASS
2613.00†	2548.64	-86.13	391.85	2524.15	2519.12	-95.70	-205.61	165.39	598.27	23.70	25.99	PASS
2713.00†	2641.33	-94.19	428.52	2615.32	2609.89	-103.03	-209.98	165.53	639.33	24.78	26.53	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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†	2734.01	-102.25	465.19	2706.49	2700.66	-110.36	-214.35	165.65	680.40	25.86	27.02	PASS
2913.00†	2826.69	-110.31	501.86	2797.66	2791.43	-117.69	-218.71	165.75	721.47	26.96	27.45	PASS
3013.00†	2919.38	-118.37	538.53	2888.83	2882.20	-125.02	-223.08	165.85	762.54	28.07	27.84	PASS
3113.00†	3012.06	-126.43	575.19	2980.00	2972.97	-132.36	-227.45	165.93	803.61	29.18	28.20	PASS
3213.00†	3104.75	-134.49	611.86	3071.17	3063.74	-139.69	-231.81	166.01	844.69	30.31	28.52	PASS
3313.00†	3197.43	-142.55	648.53	3162.33	3154.50	-147.02	-236.18	166.08	885.77	31.43	28.80	PASS
3413.00†	3290.12	-150.61	685.20	3253.50	3245.27	-154.35	-240.55	166.14	926.84	32.57	29.07	PASS
3513.00†	3382.80	-158.67	721.87	3344.67	3336.04	-161.68	-244.92	166.20	967.92	33.71	29.31	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	-90.59	0.00	-90.59
8.5in Open Hole	700.00	17772.62	17072.62	700.00	7662.00	0.00	-90.59	3007.71	-175.98

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



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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 19-18-4NCH PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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	-165.43	-90.00	165.43	1.40	274.38	PASS	
113.00†	113.00	0.00	0.00	113.00	113.00	0.00	-165.43	-90.00	165.43	1.88	152.65	PASS	
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-165.43	-90.00	165.43	2.67	88.25	PASS	
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-165.43	-90.00	165.43	3.49	61.15	PASS	
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-165.43	-90.00	165.43	4.33	46.63	PASS	
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-165.43	-90.00	165.43	5.18	37.63	PASS	
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-165.43	-90.00	165.43	6.02	31.53	PASS	
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-165.43	-90.00	165.43	6.36	29.15	PASS	
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	-165.43	-90.00	165.43	6.49	28.50	PASS	
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	-165.43	-90.00	165.43	6.81	27.01	PASS	
1000.00	1000.00	0.00	0.00	1000.00	1000.00	0.00	-165.43	-90.00	165.43	7.21	25.33	PASS	
1013.00†	1013.00	-0.01	0.03	1012.43	1012.43	-0.02	-165.45	167.60	165.48	7.28	25.08	PASS	
1113.00†	1112.97	-0.48	2.18	1107.96	1107.93	-1.25	-167.03	167.32	169.29	8.02	23.04	PASS	
1213.00†	1212.80	-1.70	7.73	1202.87	1202.70	-4.43	-171.08	166.64	179.12	9.25	20.90	PASS	
1313.00†	1312.38	-3.67	16.68	1296.65	1296.12	-9.46	-177.51	165.68	194.96	10.44	19.97	PASS	
1413.00†	1411.57	-6.38	29.03	1389.38	1388.19	-16.28	-186.22	164.58	216.74	11.54	19.94	PASS	
1513.00†	1510.26	-9.83	44.74	1485.86	1483.82	-24.13	-196.25	163.65	242.86	12.54	20.47	PASS	
1613.00†	1608.33	-14.03	63.81	1581.43	1578.55	-31.91	-206.18	163.06	272.22	13.53	21.18	PASS	
1713.00†	1705.66	-18.95	86.21	1675.98	1672.27	-39.61	-216.01	162.73	304.76	14.56	21.96	PASS	
1813.00†	1802.13	-24.60	111.92	1769.39	1764.87	-47.22	-225.72	162.58	340.44	15.59	22.83	PASS	
1913.00†	1897.62	-30.97	140.89	1861.55	1856.22	-54.72	-235.30	162.57	379.21	16.64	23.76	PASS	
2013.00†	1992.02	-38.05	173.11	1952.35	1946.23	-62.11	-244.74	162.64	421.04	17.72	24.70	PASS	
2102.58	2075.56	-44.99	204.69	2032.44	2025.62	-68.63	-253.07	162.75	461.07	18.64	25.68	PASS	
2113.00†	2085.22	-45.83	208.51	2041.69	2034.78	-69.38	-254.03	162.80	465.87	18.75	25.79	PASS	
2213.00†	2177.90	-53.89	245.17	2130.40	2122.72	-76.60	-263.25	163.20	511.91	19.71	26.91	PASS	
2313.00†	2270.59	-61.95	281.84	2219.12	2210.66	-83.83	-272.47	163.54	557.97	20.69	27.89	PASS	
2413.00†	2363.27	-70.01	318.51	2307.84	2298.60	-91.05	-281.69	163.82	604.05	21.70	28.74	PASS	
2513.00†	2455.96	-78.07	355.18	2396.56	2386.54	-98.27	-290.91	164.06	650.13	22.72	29.50	PASS	
2613.00†	2548.64	-86.13	391.85	2485.27	2474.48	-105.49	-300.14	164.27	696.22	23.76	30.17	PASS	
2713.00†	2641.33	-94.19	428.52	2573.99	2562.42	-112.72	-309.36	164.46	742.32	24.82	30.76	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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†	2734.01	-102.25	465.19	2662.71	2650.36	-119.94	-318.58	164.62	788.42	25.88	31.29	PASS
2913.00†	2826.69	-110.31	501.86	2751.43	2738.31	-127.16	-327.80	164.77	834.53	26.96	31.76	PASS
3013.00†	2919.38	-118.37	538.53	2840.14	2826.25	-134.38	-337.03	164.90	880.64	28.05	32.19	PASS
3113.00†	3012.06	-126.43	575.19	2928.86	2914.19	-141.61	-346.25	165.01	926.75	29.14	32.57	PASS
3213.00†	3104.75	-134.49	611.86	3017.58	3002.13	-148.83	-355.47	165.12	972.87	30.24	32.92	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

HOLE & CASING SECTIONS - Offset Wellbore: CONNER 19-18-1NBH PWB Offset Wellpath: CONNER 19-18-1NBH PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
9.625in Casing Surface	13.00	700.00	687.00	13.00	700.00	0.00	-100.85	0.00	-100.85
8.5in Open Hole	700.00	17552.06	16852.06	700.00	7422.00	0.00	-100.85	3005.49	-292.17

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



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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	28.03	0.20	8131.04	25.40	330.48	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

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

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

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

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



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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	672.01	12.05	3219.79	50.43	64.87	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 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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	-179.45	-90.00	179.45	1.40	297.75	PASS
113.00†	113.00	0.00	0.00	113.00	113.00	0.00	-179.45	-90.00	179.45	1.88	165.43	PASS
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-179.45	-90.00	179.45	2.67	95.63	PASS
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-179.45	-90.00	179.45	3.50	66.28	PASS
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-179.45	-90.00	179.45	4.34	50.55	PASS
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-179.45	-90.00	179.45	5.18	40.81	PASS
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-179.45	-90.00	179.45	6.03	34.19	PASS
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-179.45	-90.00	179.45	6.36	31.61	PASS
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	-179.45	-90.00	179.45	6.49	30.90	PASS
913.00†	913.00	0.00	0.00	913.00	913.00	0.00	-179.45	-90.00	179.45	6.81	29.29	PASS
1000.00	1000.00	0.00	0.00	1000.00	1000.00	0.00	-179.45	-90.00	179.45	7.21	27.47	PASS
1013.00†	1013.00	-0.01	0.03	1012.31	1012.31	-0.01	-179.47	167.60	179.50	7.28	27.20	PASS
1113.00†	1112.97	-0.48	2.18	1106.89	1106.87	-0.91	-181.23	167.44	183.50	8.04	24.92	PASS
1213.00†	1212.80	-1.70	7.73	1200.82	1200.66	-3.20	-185.72	167.07	193.83	9.31	22.45	PASS
1313.00†	1312.38	-3.67	16.68	1293.55	1293.04	-6.83	-192.84	166.53	210.43	10.53	21.35	PASS
1413.00†	1411.57	-6.38	29.03	1384.56	1383.40	-11.71	-202.41	165.90	233.20	11.74	21.08	PASS
1513.00†	1510.26	-9.83	44.74	1473.35	1471.20	-17.73	-214.21	165.24	262.00	12.83	21.55	PASS
1613.00†	1608.33	-14.03	63.81	1564.02	1560.47	-24.94	-228.33	164.60	296.23	13.86	22.47	PASS
1713.00†	1705.66	-18.95	86.21	1656.66	1651.63	-32.41	-242.98	164.16	333.87	14.80	23.65	PASS
1813.00†	1802.13	-24.60	111.92	1747.98	1741.51	-39.79	-257.43	163.91	374.60	15.78	24.81	PASS
1913.00†	1897.62	-30.97	140.89	1837.88	1829.98	-47.04	-271.65	163.77	418.37	16.79	25.97	PASS
2013.00†	1992.02	-38.05	173.11	1926.26	1916.95	-54.18	-285.64	163.72	465.13	17.80	27.17	PASS
2102.58	2075.56	-44.99	204.69	2004.03	1993.49	-60.45	-297.94	163.72	509.52	18.70	28.29	PASS
2113.00†	2085.22	-45.83	208.51	2013.00	2002.31	-61.18	-299.36	163.75	514.82	18.79	28.43	PASS
2213.00†	2177.90	-53.89	245.17	2099.06	2087.00	-68.12	-312.97	164.06	565.68	19.71	29.74	PASS
2313.00†	2270.59	-61.95	281.84	2185.12	2171.70	-75.07	-326.59	164.32	616.56	20.65	30.89	PASS
2413.00†	2363.27	-70.01	318.51	2271.18	2256.39	-82.02	-340.21	164.54	667.44	21.61	31.89	PASS
2513.00†	2455.96	-78.07	355.18	2357.24	2341.08	-88.96	-353.82	164.73	718.33	22.60	32.78	PASS
2613.00†	2548.64	-86.13	391.85	2443.30	2425.77	-95.91	-367.44	164.89	769.23	23.60	33.57	PASS
2713.00†	2641.33	-94.19	428.52	2529.36	2510.46	-102.86	-381.05	165.04	820.12	24.62	34.27	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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†	2734.01	-102.25	465.19	2615.42	2595.16	-109.80	-394.67	165.16	871.03	25.65	34.89	PASS
2913.00†	2826.69	-110.31	501.86	2701.48	2679.85	-116.75	-408.28	165.28	921.93	26.70	35.45	PASS
3013.00†	2919.38	-118.37	538.53	2787.54	2764.54	-123.70	-421.90	165.38	972.84	27.75	35.95	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

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

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

HOLE & CASING SECTIONS - Offset Wellbore: CONNER 19-18-1NCH PWB Offset Wellpath: CONNER 19-18-1NCH PWP (REV-A.0)

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
9.625in Casing Surface	13.00	700.00	687.00	13.00	700.00	0.00	-109.39	0.00	-109.39
8.5in Open Hole	700.00	17659.70	16959.70	700.00	7492.00	0.00	-109.39	3003.28	-407.50

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

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



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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	-193.47	-90.00	193.47	1.40	321.11	PASS
113.00†	113.00	0.00	0.00	113.00	113.00	0.00	-193.47	-90.00	193.47	1.88	178.25	PASS
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-193.47	-90.00	193.47	2.67	103.03	PASS
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-193.47	-90.00	193.47	3.50	71.42	PASS
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-193.47	-90.00	193.47	4.34	54.48	PASS
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-193.47	-90.00	193.47	5.18	43.98	PASS
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-193.47	-90.00	193.47	6.03	36.86	PASS
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-193.47	-90.00	193.47	6.37	34.07	PASS
813.00†	813.00	0.00	0.00	813.00	813.00	0.00	-193.47	-90.00	193.47	6.50	33.31	PASS
913.00†	913.00	0.00	0.00	912.21	912.21	-0.01	-193.49	-90.00	193.50	6.81	31.59	PASS
1000.00	1000.00	0.00	0.00	993.89	993.87	-0.44	-194.94	-90.13	195.04	7.31	29.44	PASS
1013.00†	1013.00	-0.01	0.03	1006.08	1006.06	-0.56	-195.35	167.44	195.50	7.39	29.16	PASS
1113.00†	1112.97	-0.48	2.18	1099.58	1099.41	-1.99	-200.13	167.13	202.76	8.41	26.22	PASS
1213.00†	1212.80	-1.70	7.73	1192.11	1191.61	-4.26	-207.73	166.79	216.51	9.67	24.07	PASS
1313.00†	1312.38	-3.67	16.68	1283.13	1281.99	-7.32	-217.98	166.44	236.65	10.87	23.23	PASS
1413.00†	1411.57	-6.38	29.03	1372.10	1369.97	-11.11	-230.66	166.11	263.04	11.96	23.32	PASS
1513.00†	1510.26	-9.83	44.74	1458.56	1455.03	-15.54	-245.48	165.78	295.48	13.08	23.83	PASS
1613.00†	1608.33	-14.03	63.81	1545.98	1540.57	-20.69	-262.71	165.48	333.55	14.08	24.89	PASS
1713.00†	1705.66	-18.95	86.21	1636.91	1629.47	-26.16	-281.05	165.30	375.15	14.99	26.21	PASS
1813.00†	1802.13	-24.60	111.92	1726.37	1716.93	-31.55	-299.09	165.22	419.80	15.94	27.51	PASS
1913.00†	1897.62	-30.97	140.89	1814.27	1802.85	-36.85	-316.81	165.20	467.45	16.88	28.86	PASS
2013.00†	1992.02	-38.05	173.11	1900.48	1887.14	-42.04	-334.20	165.23	518.05	17.85	30.18	PASS
2102.58	2075.56	-44.99	204.69	1976.20	1961.16	-46.60	-349.47	165.27	565.84	18.70	31.40	PASS
2113.00†	2085.22	-45.83	208.51	1984.92	1969.69	-47.13	-351.22	165.31	571.53	18.80	31.54	PASS
2213.00†	2177.90	-53.89	245.17	2068.62	2051.51	-52.17	-368.10	165.65	626.17	19.67	32.99	PASS
2313.00†	2270.59	-61.95	281.84	2152.32	2133.34	-57.21	-384.98	165.94	680.82	20.56	34.26	PASS
2413.00†	2363.27	-70.01	318.51	2236.02	2215.17	-62.25	-401.86	166.18	735.48	21.48	35.38	PASS
2513.00†	2455.96	-78.07	355.18	2319.72	2296.99	-67.30	-418.73	166.40	790.15	22.41	36.38	PASS
2613.00†	2548.64	-86.13	391.85	2403.42	2378.82	-72.34	-435.61	166.58	844.82	23.36	37.26	PASS
2713.00†	2641.33	-94.19	428.52	2487.12	2460.64	-77.38	-452.49	166.74	899.50	24.33	38.05	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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†	2734.01	-102.25	465.19	2570.83	2542.47	-82.42	-469.37	166.89	954.19	25.31	38.75	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	-117.94	0.00	-117.94
8.5in Open Hole	700.00	17349.29	16649.29	700.00	N/A	0.00	-117.94	N/A	N/A

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

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

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 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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	-210.29	-90.00	210.29	1.40	349.15	PASS	
113.00†	113.00	0.00	0.00	113.00	113.00	0.00	-210.29	-90.00	210.29	1.88	193.88	PASS	
213.00†	213.00	0.00	0.00	213.00	213.00	0.00	-210.29	-90.00	210.29	2.67	112.07	PASS	
313.00†	313.00	0.00	0.00	313.00	313.00	0.00	-210.29	-90.00	210.29	3.50	77.68	PASS	
413.00†	413.00	0.00	0.00	413.00	413.00	0.00	-210.29	-90.00	210.29	4.34	59.25	PASS	
513.00†	513.00	0.00	0.00	513.00	513.00	0.00	-210.29	-90.00	210.29	5.18	47.83	PASS	
613.00†	613.00	0.00	0.00	613.00	613.00	0.00	-210.29	-90.00	210.29	6.03	40.09	PASS	
713.00†	713.00	0.00	0.00	713.00	713.00	0.00	-210.29	-90.00	210.29	6.37	37.05	PASS	
813.00†	813.00	0.00	0.00	812.17	812.17	-0.01	-210.32	-90.00	210.32	6.49	36.24	PASS	
913.00†	913.00	0.00	0.00	905.70	905.68	-0.69	-212.11	-90.19	212.24	6.93	34.02	PASS	
1000.00	1000.00	0.00	0.00	986.90	986.77	-2.17	-215.99	-90.58	216.40	7.65	31.09	PASS	
1013.00†	1013.00	-0.01	0.03	999.01	998.85	-2.46	-216.75	166.95	217.25	7.76	30.70	PASS	
1113.00†	1112.97	-0.48	2.18	1091.70	1091.19	-5.29	-224.15	166.32	227.43	8.73	28.25	PASS	
1213.00†	1212.80	-1.70	7.73	1183.18	1182.04	-9.13	-234.20	165.67	243.99	9.93	26.38	PASS	
1313.00†	1312.38	-3.67	16.68	1272.93	1270.78	-13.90	-246.68	165.04	266.82	11.09	25.63	PASS	
1413.00†	1411.57	-6.38	29.03	1360.46	1356.89	-19.50	-261.34	164.45	295.76	11.94	26.26	PASS	
1513.00†	1510.26	-9.83	44.74	1448.85	1443.36	-26.03	-278.44	163.91	330.43	13.20	26.39	PASS	
1613.00†	1608.33	-14.03	63.81	1541.21	1533.62	-33.03	-296.77	163.51	368.73	14.11	27.47	PASS	
1713.00†	1705.66	-18.95	86.21	1632.25	1622.58	-39.93	-314.84	163.28	410.11	15.06	28.52	PASS	
1813.00†	1802.13	-24.60	111.92	1721.84	1710.12	-46.72	-332.62	163.15	454.50	16.02	29.64	PASS	
1913.00†	1897.62	-30.97	140.89	1809.89	1796.16	-53.40	-350.10	163.10	501.87	16.98	30.81	PASS	
2013.00†	1992.02	-38.05	173.11	1896.27	1880.57	-59.95	-367.24	163.10	552.16	17.96	31.97	PASS	
2102.58	2075.56	-44.99	204.69	1972.17	1954.73	-65.70	-382.31	163.12	599.66	18.84	33.03	PASS	
2113.00†	2085.22	-45.83	208.51	1980.91	1963.27	-66.36	-384.04	163.16	605.31	18.94	33.15	PASS	
2213.00†	2177.90	-53.89	245.17	2064.81	2045.26	-72.73	-400.69	163.53	659.62	19.84	34.44	PASS	
2313.00†	2270.59	-61.95	281.84	2148.71	2127.25	-79.09	-417.35	163.84	713.94	20.76	35.57	PASS	
2413.00†	2363.27	-70.01	318.51	2232.61	2209.23	-85.45	-434.00	164.11	768.27	21.71	36.56	PASS	
2513.00†	2455.96	-78.07	355.18	2316.51	2291.22	-91.81	-450.65	164.34	822.61	22.67	37.42	PASS	
2613.00†	2548.64	-86.13	391.85	2400.41	2373.20	-98.17	-467.30	164.54	876.96	23.65	38.19	PASS	
2713.00†	2641.33	-94.19	428.52	2484.32	2455.19	-104.53	-483.95	164.72	931.32	24.65	38.87	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

CONNER 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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†	2734.01	-102.25	465.19	2568.22	2537.18	-110.89	-500.61	164.88	985.69	25.66	39.47	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	-128.19	0.00	-128.19
8.5in Open Hole	700.00	17868.37	17168.37	700.00	N/A	0.00	-128.19	N/A	N/A

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

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

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 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.18-T01S-65W		Slot: SLOT#01 EX GAIL SMITH 1 (466'FNL & 460'FWL, SEC.18, PR, 8100')				Well: GAIL SMITH 1		Threshold Value=1.00	† = interpolated/extrapolated station			
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
13.00	13.00	0.00	0.00	-13.00	84.00	9770.14	-1538.74	-8.95	9890.82	25.40	402.01	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 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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	-1061.31	-10.16	6017.69	25.40	244.57	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 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH 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	1030.95	-1072.73	-46.14	1487.82	1.10	4956.72	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 19-18-4NCH PWP (REV-A.0)
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#15 CONNER 19-18-4NCH (350'FSL & 2005'FWL, SEC.19)
Area	COLORADO	Well	CONNER 19-18-4NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	CONNER 19-18-4NCH PWB
Facility	SEC.19-T01S-R65W		

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

Facility: SEC.13-T01S-R66W		Slot: SLOT#01 EX ROCK #1 (760'FSL & 930'FEL, SEC.13, PA,8120)				Well: ROCK #1		Threshold Value=1.00 † = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
13.00	13.00	0.00	0.00	-13.00	48.00	5693.93	-2984.36	-27.66	6428.72	25.40	261.28	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