

PETROSHARE

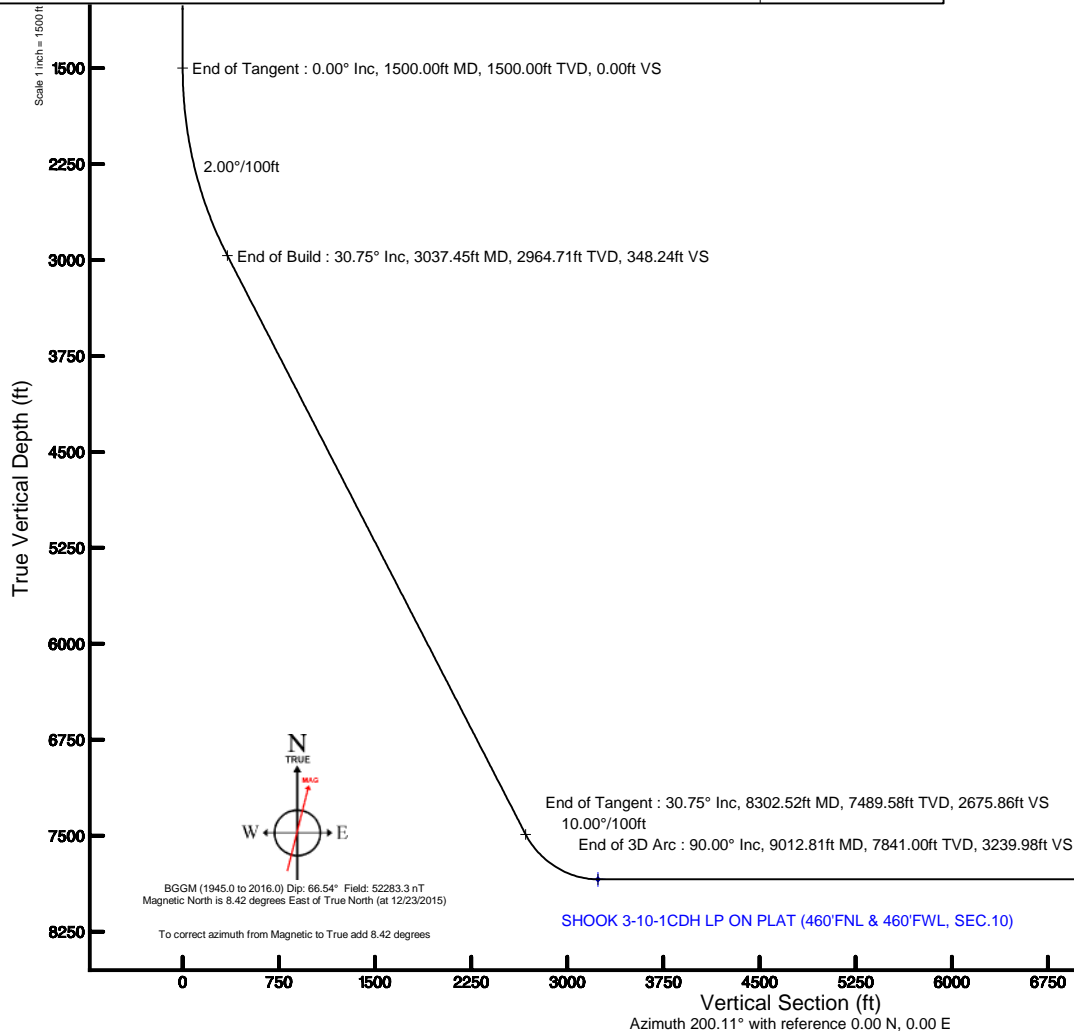
Location: COLORADO Slot: SLOT#01 SHOOK 3-10-1CDH (2058'FSL & 2289'FEL, SEC.03)
Field: ADAMS COUNTY (NAD83/ TRUE NORTH) Well: SHOOK 3-10-1CDH
Facility: SEC.03-T1S-R67W Wellbore: SHOOK 3-10-1CDH PWB

Plot reference wellpath is SHOOK 3-10-1CDH PWP (REV-A.0)

True vertical depths are referenced to RIG (16KB) (RKB) Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet
Measured depths are referenced to RIG (16KB) (RKB) North Reference: True north
RIG (16KB) (RKB) to Mean Sea Level: 5114 feet Scale: True distance
Mean Sea Level to Mud line (At Slot: SLOT#01 SHOOK 3-10-1CDH (2058'FSL & 2289'FEL, SEC.03)): 0 feet Depths are in feet
Coordinates are in feet referenced to Slot Created by: ingnjamr on 12/29/2015

Location Information

Facility Name			Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
SEC.03-T1S-R67W			3175478.751	1240632.475	39°59'31.992"N	104°52'25.320"W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
SLOT#01 SHOOK 3-10-1CDH (2058'FSL & 2289'FEL, SEC.03)	0.00	0.00	3175478.751	1240632.475	39°59'31.992"N	104°52'25.320"W
RIG (16KB) (RKB) to Mud line (At Slot: SLOT#01 SHOOK 3-10-1CDH (2058'FSL & 2289'FEL, SEC.03))					5114ft	
Mean Sea Level to Mud line (At Slot: SLOT#01 SHOOK 3-10-1CDH (2058'FSL & 2289'FEL, SEC.03))					0ft	
RIG (16KB) (RKB) to Mean Sea Level					5114ft	



Well Profile Data

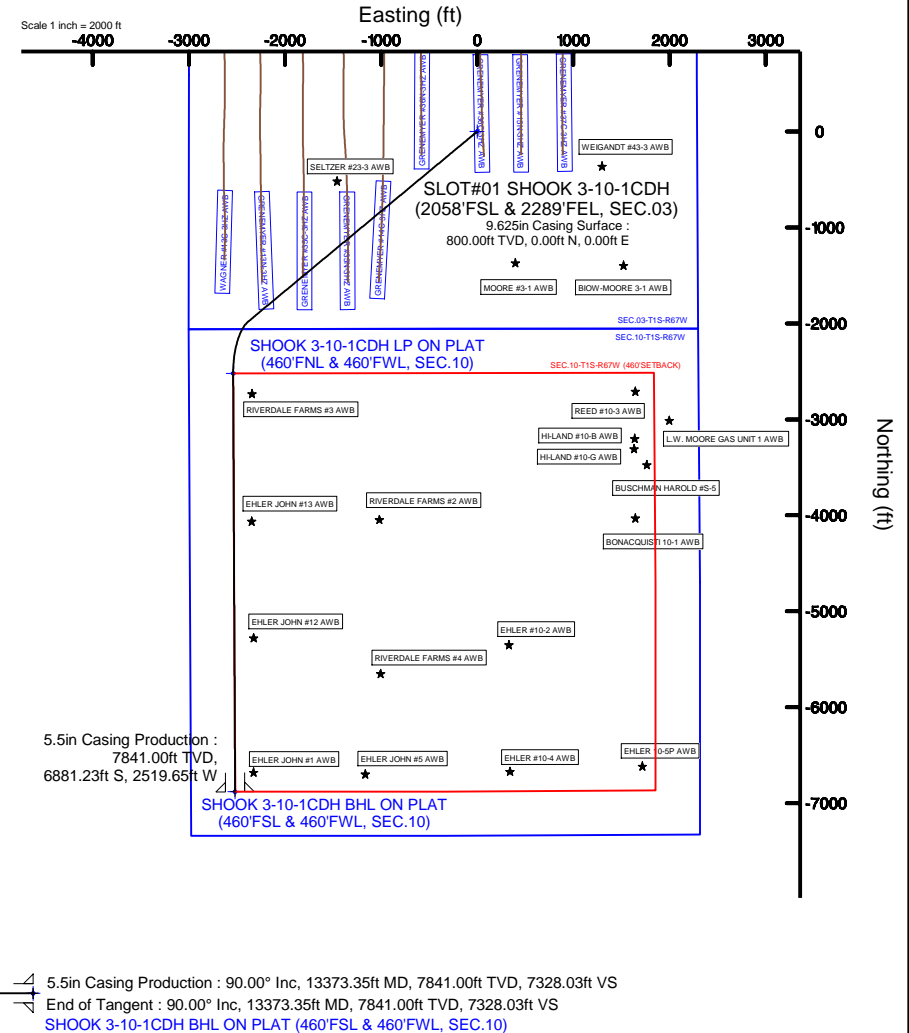
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	16.00	0.000	230.266	16.00	0.00	0.00	0.00	0.00
End of Tangent	1500.00	0.000	230.266	1500.00	0.00	0.00	0.00	0.00
End of Build	3037.45	30.749	230.266	2964.71	-257.45	-309.72	2.00	348.24
End of Tangent	8302.52	30.749	230.266	7489.58	-1978.19	-2379.85	0.00	2675.86
End of 3D Arc	9012.81	90.000	179.748	7841.00	-2520.73	-2538.83	10.00	3239.98
End of Tangent	13373.35	90.000	179.748	7841.00	-6881.24	-2519.65	0.00	7328.03

Survey Program

Start MD (ft)	End MD (ft)	Tool	Model	Log Name/Comment	Wellbore
16.00	13373.35	NavTrak	Custom NavTrak (Standard) (Rockies 0.03Gt model)		SHOOK 3-10-1CDH 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
13.5in Open Hole	16.00	800.00	784.00	16.00	800.00	0.00	0.00	0.00	0.00	SHOOK 3-10-1CDH PWB
9.625in Casing Surface	16.00	800.00	784.00	16.00	800.00	0.00	0.00	0.00	0.00	SHOOK 3-10-1CDH PWB
8.5in Open Hole	800.00	13373.35	12573.35	800.00	7841.00	0.00	0.00	-6881.23	-2519.65	SHOOK 3-10-1CDH PWB
5.5in Casing Production	16.00	13373.35	13357.35	16.00	7841.00	0.00	0.00	-6881.23	-2519.65	SHOOK 3-10-1CDH PWB



PETROSHARE

Location: COLORADO Field: ADAMS COUNTY (NAD83/ TRUE NORTH) Facility: SEC.03-T1S-R67W	Slot: SLOT#01 SHOOK 3-10-1CDH (2058'FSL & 2289'FEL, SEC.03) Well: SHOOK 3-10-1CDH Wellbore: SHOOK 3-10-1CDH PWB	
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Scale 1 inch = 250

SELTZER #23-3 AWB

SEC.03-T1S-R67W

SLOT#01 SHOOK 3-10
SLOT#02 SHOOK 3-10
SLOT#03 SHOOK 3-10
SLOT#04 SHOOK 3-10
SLOT#05 SHOOK 3-10
SLOT#06 SHOOK 3-10
SLOT#07 SHOOK 3-10

BAKER HUGHES

PETROSHARE

True vertical depths are referenced to RIG (16KB) (RKB)	Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet
Measured depths are referenced to RIG (16KB) (RKB)	North Reference: True north
RIG (16KB) (RKB) to Mean Sea Level: 5114 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: SLOT#01 SHOOK 3-10-1CDH (2058FSL & 2289FEL, SEC.03)): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: ingmjahr on 12/29/2015

SLOT#01	SHOOK 3-10-1CDH	(2058'FSL & 2289'FEL)	SEC.03)
SLOT#02	SHOOK 3-10-1NCH	(2058'FSL & 2274'FEL)	SEC.03)
SLOT#03	SHOOK 3-10-1NBH	(2058'FSL & 2259'FEL)	SEC.03)
SLOT#04	SHOOK 3-10-2CDH	(2058'FSL & 2244'FEL)	SEC.03)
SLOT#05	SHOOK 3-10-1NAH	(2058'FSL & 2229'FEL)	SEC.03)
SLOT#06	SHOOK 3-10-2NBH	(2058'FSL & 2214'FEL)	SEC.03)
SLOT#07	SHOOK 3-10-3CDH	(2058'FSL & 2199'FEL)	SEC.03)

GREINER #36N-3HZ A4VB

GREENE

SELTZER #23-3 AWB

GRENNEMYER #35C-3HZ A W B

GREENEYER #35N-3HZ AWB

GRENNEMYER #14C-3HZ A/VB

MOORE #3-1 AWB



BGGM (1945.0 to 2016.0) Dip: 66.54° Field: 52283.3 nT
Magnetic North is 8.42 degrees East of True North (at 12/23/2015)

To correct azimuth from Magnetic to True add 8.42 degrees

To correct azimuth from Magnetic to True add 8.42 degrees

Location:	COLORADO	Slot:	SLOT#001 SHOOK 3-10-1CDH (2058FSL & 2289FEL, SEC.03)
Field:	ADAMS COUNTY (NAD83/ TRUE NORTH)	Well:	SHOOK 3-10-1CDH
Facility:	SEC.03-T1S-R67W	Wellbore:	SHOOK 3-10-1CDH PWB

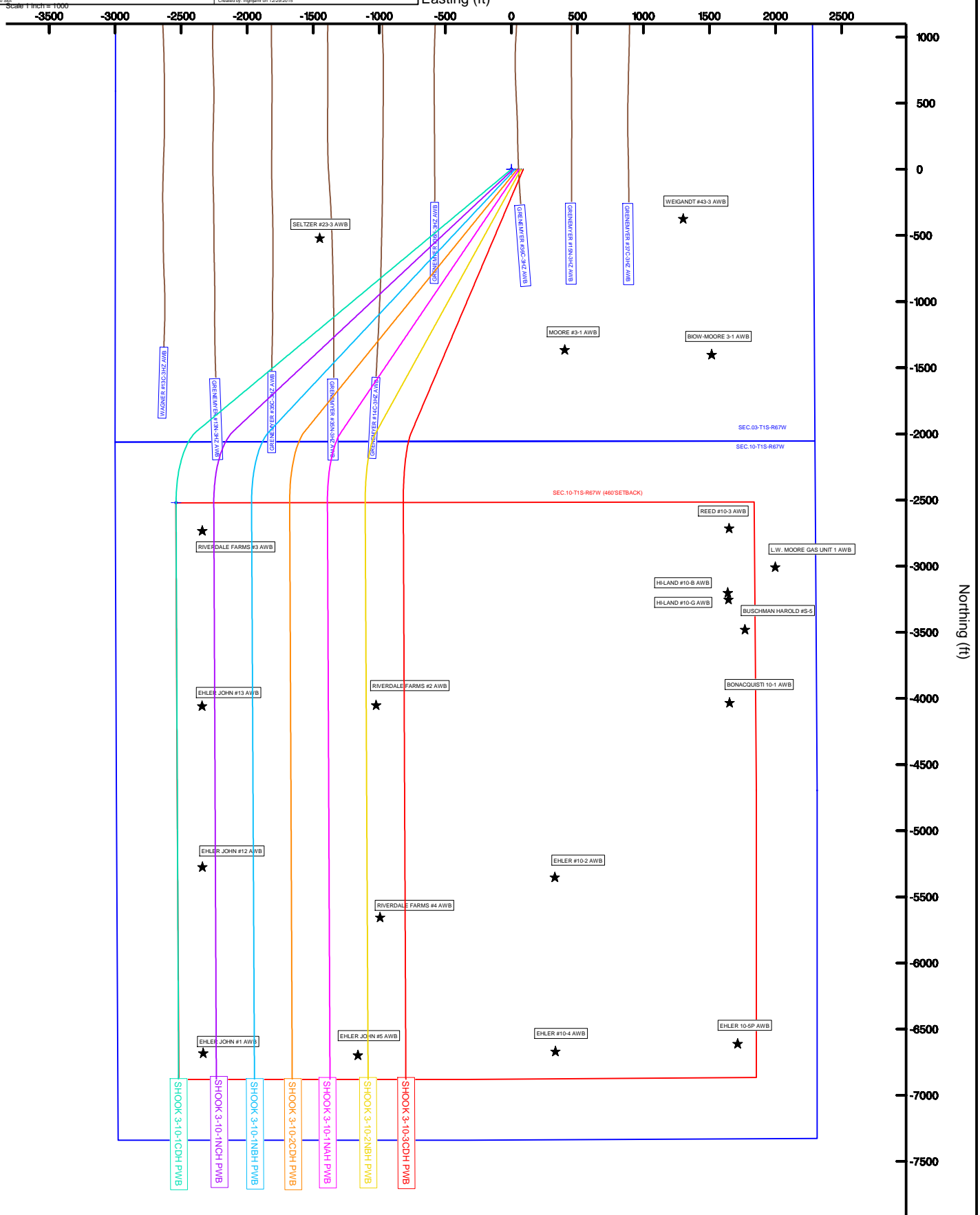


BGGM (1945.0 to 2016.0) Dip: 66.54° Field: 52283.3 nT
Magnetic North is 8.42 degrees East of True North (at 12/23/2015)

To correct azimuth from Magnetic to True add 8.42 degrees

Post reference wellpath is SHOOK 3-10-10CH FWP (REV A.6)	Grid System: NAD83 / Lambert Colorado Sp. Northern Zone (501), US feet
True vertical depths are referenced to RIG (16K8) (RKH)	North Reference: True north
Measured depths are referenced to RIG (16K8) (RKH)	Scale: True distance
RIG (16K8) (RKH) to Mean Sea Level: 5114 feet	Depths are in feet
Mean Sea Level to Mud line (at Slot: SLOTT01 SHOOK 3-10-10CH (2058FEL & 2289FEL, SEC 03): 0 feet	Created by: ingramre on 12/29/2015
Coordinates are in feet referenced to State	

Easting (ft)





Planned Wellpath Report

SHOOK 3-10-1CDH PWP (REV-A.0)

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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 SHOOK 3-10-1CDH (2058'FSL & 2289'FEL, SEC.03)
Area	COLORADO	Well	SHOOK 3-10-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	SHOOK 3-10-1CDH PWB
Facility	SEC.03-T1S-R67W		

REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 4.1.1
North Reference	True	User	Ingmjmr
Scale	0.999967	Report Generated	12/29/2015 at 7:56:20 AM
Convergence at slot	0.40° East	Database/Source file	WA_DEN_Denver_Defn/SHOOK_3-10-1CDH_PWB.xml

WELLPATH LOCATION

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

WELLPATH DATUM

Calculation method	Minimum curvature	RIG (16'KB) (RKB) to Facility Vertical Datum	5114.00ft
Horizontal Reference Pt	Slot	RIG (16'KB) (RKB) to Mean Sea Level	5114.00ft
Vertical Reference Pt	RIG (16'KB) (RKB)	RIG (16'KB) (RKB) to Mud Line at Slot (SLOT#01 SHOOK 3-10-1CDH (2058'FSL & 2289'FEL, SEC.03))	5114.00ft
MD Reference Pt	RIG (16'KB) (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	200.11°



Planned Wellpath Report

SHOOK 3-10-1CDH PWP (REV-A.0)

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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 SHOOK 3-10-1CDH (2058'FSL & 2289'FEL, SEC.03)
Area	COLORADO	Well	SHOOK 3-10-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	SHOOK 3-10-1CDH PWB
Facility	SEC.03-T1S-R67W		

WELLPATH DATA (150 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	230.266	0.00	0.00	0.00	0.00	0.00	
16.00	0.000	230.266	16.00	0.00	0.00	0.00	0.00	Tie On
116.00†	0.000	230.266	116.00	0.00	0.00	0.00	0.00	
216.00†	0.000	230.266	216.00	0.00	0.00	0.00	0.00	
316.00†	0.000	230.266	316.00	0.00	0.00	0.00	0.00	
416.00†	0.000	230.266	416.00	0.00	0.00	0.00	0.00	
516.00†	0.000	230.266	516.00	0.00	0.00	0.00	0.00	
616.00†	0.000	230.266	616.00	0.00	0.00	0.00	0.00	
716.00†	0.000	230.266	716.00	0.00	0.00	0.00	0.00	
745.00†	0.000	230.266	745.00	0.00	0.00	0.00	0.00	FOX HILLS
816.00†	0.000	230.266	816.00	0.00	0.00	0.00	0.00	
916.00†	0.000	230.266	916.00	0.00	0.00	0.00	0.00	
1016.00†	0.000	230.266	1016.00	0.00	0.00	0.00	0.00	
1116.00†	0.000	230.266	1116.00	0.00	0.00	0.00	0.00	
1216.00†	0.000	230.266	1216.00	0.00	0.00	0.00	0.00	
1316.00†	0.000	230.266	1316.00	0.00	0.00	0.00	0.00	
1416.00†	0.000	230.266	1416.00	0.00	0.00	0.00	0.00	
1500.00	0.000	230.266	1500.00	0.00	0.00	0.00	0.00	End of Tangent
1516.00†	0.320	230.266	1516.00	0.04	-0.03	-0.03	2.00	
1616.00†	2.320	230.266	1615.97	2.03	-1.50	-1.81	2.00	
1716.00†	4.320	230.266	1715.80	7.04	-5.20	-6.26	2.00	
1816.00†	6.320	230.266	1815.36	15.05	-11.13	-13.39	2.00	
1916.00†	8.320	230.266	1914.54	26.07	-19.27	-23.19	2.00	
2016.00†	10.320	230.266	2013.21	40.07	-29.62	-35.64	2.00	
2116.00†	12.320	230.266	2111.26	57.04	-42.17	-50.73	2.00	
2216.00†	14.320	230.266	2208.57	76.96	-56.90	-68.45	2.00	
2316.00†	16.320	230.266	2305.01	99.81	-73.79	-88.77	2.00	
2416.00†	18.320	230.266	2400.47	125.55	-92.82	-111.66	2.00	
2516.00†	20.320	230.266	2494.84	154.16	-113.96	-137.10	2.00	
2616.00†	22.320	230.266	2587.99	185.59	-137.20	-165.06	2.00	
2716.00†	24.320	230.266	2679.81	219.82	-162.51	-195.50	2.00	
2816.00†	26.320	230.266	2770.20	256.80	-189.84	-228.39	2.00	
2916.00†	28.320	230.266	2859.04	296.48	-219.18	-263.68	2.00	
3016.00†	30.320	230.266	2946.23	338.82	-250.48	-301.34	2.00	
3037.45	30.749	230.266	2964.71	348.24	-257.45	-309.72	2.00	End of Build
3116.00†	30.749	230.266	3032.21	382.97	-283.12	-340.60	0.00	
3216.00†	30.749	230.266	3118.15	427.18	-315.80	-379.92	0.00	
3316.00†	30.749	230.266	3204.09	471.39	-348.48	-419.24	0.00	
3416.00†	30.749	230.266	3290.04	515.59	-381.16	-458.56	0.00	
3516.00†	30.749	230.266	3375.98	559.80	-413.85	-497.88	0.00	
3616.00†	30.749	230.266	3461.92	604.01	-446.53	-537.19	0.00	
3716.00†	30.749	230.266	3547.86	648.22	-479.21	-576.51	0.00	
3816.00†	30.749	230.266	3633.80	692.43	-511.89	-615.83	0.00	
3916.00†	30.749	230.266	3719.74	736.64	-544.58	-655.15	0.00	
4016.00†	30.749	230.266	3805.68	780.85	-577.26	-694.47	0.00	



Planned Wellpath Report

SHOOK 3-10-1CDH PWP (REV-A.0)

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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 SHOOK 3-10-1CDH (2058'FSL & 2289'FEL, SEC.03)
Area	COLORADO	Well	SHOOK 3-10-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	SHOOK 3-10-1CDH PWB
Facility	SEC.03-T1S-R67W		

WELLPATH DATA (150 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
4116.00†	30.749	230.266	3891.63	825.06	-609.94	-733.79	0.00	
4216.00†	30.749	230.266	3977.57	869.26	-642.62	-773.10	0.00	
4316.00†	30.749	230.266	4063.51	913.47	-675.31	-812.42	0.00	
4416.00†	30.749	230.266	4149.45	957.68	-707.99	-851.74	0.00	
4516.00†	30.749	230.266	4235.39	1001.89	-740.67	-891.06	0.00	
4616.00†	30.749	230.266	4321.33	1046.10	-773.35	-930.38	0.00	
4716.00†	30.749	230.266	4407.27	1090.31	-806.03	-969.70	0.00	
4816.00†	30.749	230.266	4493.22	1134.52	-838.72	-1009.01	0.00	
4916.00†	30.749	230.266	4579.16	1178.73	-871.40	-1048.33	0.00	
5016.00†	30.749	230.266	4665.10	1222.93	-904.08	-1087.65	0.00	
5116.00†	30.749	230.266	4751.04	1267.14	-936.76	-1126.97	0.00	
5216.00†	30.749	230.266	4836.98	1311.35	-969.45	-1166.29	0.00	
5295.14†	30.749	230.266	4905.00	1346.34	-995.31	-1197.40	0.00	SUSSEX / SHANNON
5316.00†	30.749	230.266	4922.92	1355.56	-1002.13	-1205.60	0.00	
5416.00†	30.749	230.266	5008.87	1399.77	-1034.81	-1244.92	0.00	
5516.00†	30.749	230.266	5094.81	1443.98	-1067.49	-1284.24	0.00	
5616.00†	30.749	230.266	5180.75	1488.19	-1100.18	-1323.56	0.00	
5716.00†	30.749	230.266	5266.69	1532.39	-1132.86	-1362.88	0.00	
5816.00†	30.749	230.266	5352.63	1576.60	-1165.54	-1402.20	0.00	
5916.00†	30.749	230.266	5438.57	1620.81	-1198.22	-1441.51	0.00	
6016.00†	30.749	230.266	5524.51	1665.02	-1230.90	-1480.83	0.00	
6116.00†	30.749	230.266	5610.46	1709.23	-1263.59	-1520.15	0.00	
6216.00†	30.749	230.266	5696.40	1753.44	-1296.27	-1559.47	0.00	
6316.00†	30.749	230.266	5782.34	1797.65	-1328.95	-1598.79	0.00	
6416.00†	30.749	230.266	5868.28	1841.86	-1361.63	-1638.11	0.00	
6516.00†	30.749	230.266	5954.22	1886.06	-1394.32	-1677.42	0.00	
6616.00†	30.749	230.266	6040.16	1930.27	-1427.00	-1716.74	0.00	
6716.00†	30.749	230.266	6126.10	1974.48	-1459.68	-1756.06	0.00	
6816.00†	30.749	230.266	6212.05	2018.69	-1492.36	-1795.38	0.00	
6916.00†	30.749	230.266	6297.99	2062.90	-1525.05	-1834.70	0.00	
7016.00†	30.749	230.266	6383.93	2107.11	-1557.73	-1874.02	0.00	
7116.00†	30.749	230.266	6469.87	2151.32	-1590.41	-1913.33	0.00	
7216.00†	30.749	230.266	6555.81	2195.53	-1623.09	-1952.65	0.00	
7316.00†	30.749	230.266	6641.75	2239.73	-1655.77	-1991.97	0.00	
7416.00†	30.749	230.266	6727.70	2283.94	-1688.46	-2031.29	0.00	
7516.00†	30.749	230.266	6813.64	2328.15	-1721.14	-2070.61	0.00	
7616.00†	30.749	230.266	6899.58	2372.36	-1753.82	-2109.92	0.00	
7716.00†	30.749	230.266	6985.52	2416.57	-1786.50	-2149.24	0.00	
7816.00†	30.749	230.266	7071.46	2460.78	-1819.19	-2188.56	0.00	
7916.00†	30.749	230.266	7157.40	2504.99	-1851.87	-2227.88	0.00	
8016.00†	30.749	230.266	7243.34	2549.20	-1884.55	-2267.20	0.00	
8116.00†	30.749	230.266	7329.29	2593.40	-1917.23	-2306.52	0.00	
8197.12†	30.749	230.266	7399.00	2629.27	-1943.74	-2338.41	0.00	NIOBRARA A CHALK
8216.00†	30.749	230.266	7415.23	2637.61	-1949.91	-2345.83	0.00	
8235.52†	30.749	230.266	7432.00	2646.24	-1956.29	-2353.51	0.00	NIOBRARA A MARL



Planned Wellpath Report

SHOOK 3-10-1CDH PWP (REV-A.0)

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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 SHOOK 3-10-1CDH (2058'FSL & 2289'FEL, SEC.03)
Area	COLORADO	Well	SHOOK 3-10-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	SHOOK 3-10-1CDH PWB
Facility	SEC.03-T1S-R67W		

WELLPATH DATA (150 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
8302.52	30.749	230.266	7489.58	2675.86	-1978.19	-2379.85	0.00	End of Tangent
8316.00†	31.545	228.162	7501.12	2681.95	-1982.75	-2385.13	10.00	
8395.60†	36.840	217.546	7567.00	2723.17	-2015.61	-2415.24	10.00	NIOBRARA B CHALK
8416.00†	38.328	215.257	7583.16	2735.11	-2025.62	-2422.61	10.00	
8427.33†	39.172	214.050	7592.00	2741.97	-2031.46	-2426.64	10.00	NIOBRARA B MARL
8516.00†	46.140	205.932	7657.22	2801.07	-2083.51	-2456.36	10.00	
8549.74†	48.922	203.342	7680.00	2825.87	-2106.13	-2466.72	10.00	NIOBRARA C CHALK
8590.74†	52.373	200.477	7706.00	2857.55	-2135.55	-2478.53	10.00	NIOBRARA C MARL
8616.00†	54.531	198.844	7721.04	2877.84	-2154.66	-2485.36	10.00	
8716.00†	63.257	193.126	7772.69	2963.09	-2236.89	-2508.71	10.00	
8816.00†	72.178	188.237	7810.58	3054.22	-2327.71	-2525.71	10.00	
8853.49†	75.555	186.541	7821.00	3089.35	-2363.42	-2530.34	10.00	FORT HAYS
8916.00†	81.210	183.820	7833.59	3148.48	-2424.37	-2535.85	10.00	
9012.81	90.000	179.748	7841.00†	3239.98	-2520.73	-2538.83	10.00	End of 3D Arc
9016.00†	90.000	179.748	7841.00	3242.98	-2523.93	-2538.81	0.00	
9116.00†	90.000	179.748	7841.00	3336.73	-2623.92	-2538.37	0.00	
9216.00†	90.000	179.748	7841.00	3430.48	-2723.92	-2537.93	0.00	
9316.00†	90.000	179.748	7841.00	3524.23	-2823.92	-2537.49	0.00	
9416.00†	90.000	179.748	7841.00	3617.98	-2923.92	-2537.05	0.00	
9516.00†	90.000	179.748	7841.00	3711.73	-3023.92	-2536.61	0.00	
9616.00†	90.000	179.748	7841.00	3805.48	-3123.92	-2536.18	0.00	
9716.00†	90.000	179.748	7841.00	3899.23	-3223.92	-2535.74	0.00	
9816.00†	90.000	179.748	7841.00	3992.99	-3323.92	-2535.30	0.00	
9916.00†	90.000	179.748	7841.00	4086.74	-3423.92	-2534.86	0.00	
10016.00†	90.000	179.748	7841.00	4180.49	-3523.92	-2534.42	0.00	
10116.00†	90.000	179.748	7841.00	4274.24	-3623.91	-2533.98	0.00	
10216.00†	90.000	179.748	7841.00	4367.99	-3723.91	-2533.54	0.00	
10316.00†	90.000	179.748	7841.00	4461.74	-3823.91	-2533.10	0.00	
10416.00†	90.000	179.748	7841.00	4555.49	-3923.91	-2532.66	0.00	
10516.00†	90.000	179.748	7841.00	4649.24	-4023.91	-2532.22	0.00	
10616.00†	90.000	179.748	7841.00	4742.99	-4123.91	-2531.78	0.00	
10716.00†	90.000	179.748	7841.00	4836.74	-4223.91	-2531.34	0.00	
10816.00†	90.000	179.748	7841.00	4930.49	-4323.91	-2530.90	0.00	
10916.00†	90.000	179.748	7841.00	5024.24	-4423.91	-2530.46	0.00	
11016.00†	90.000	179.748	7841.00	5118.00	-4523.91	-2530.02	0.00	
11116.00†	90.000	179.748	7841.00	5211.75	-4623.91	-2529.58	0.00	
11216.00†	90.000	179.748	7841.00	5305.50	-4723.90	-2529.14	0.00	
11316.00†	90.000	179.748	7841.00	5399.25	-4823.90	-2528.70	0.00	
11416.00†	90.000	179.748	7841.00	5493.00	-4923.90	-2528.26	0.00	
11516.00†	90.000	179.748	7841.00	5586.75	-5023.90	-2527.82	0.00	
11616.00†	90.000	179.748	7841.00	5680.50	-5123.90	-2527.38	0.00	
11716.00†	90.000	179.748	7841.00	5774.25	-5223.90	-2526.94	0.00	
11816.00†	90.000	179.748	7841.00	5868.00	-5323.90	-2526.50	0.00	
11916.00†	90.000	179.748	7841.00	5961.75	-5423.90	-2526.06	0.00	
12016.00†	90.000	179.748	7841.00	6055.50	-5523.90	-2525.62	0.00	



Planned Wellpath Report

SHOOK 3-10-1CDH PWP (REV-A.0)

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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 SHOOK 3-10-1CDH (2058'FSL & 2289'FEL, SEC.03)
Area	COLORADO	Well	SHOOK 3-10-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	SHOOK 3-10-1CDH PWB
Facility	SEC.03-T1S-R67W		

WELLPATH DATA (150 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
12116.00†	90.000	179.748	7841.00	6149.25	-5623.90	-2525.18	0.00	
12216.00†	90.000	179.748	7841.00	6243.01	-5723.89	-2524.74	0.00	
12316.00†	90.000	179.748	7841.00	6336.76	-5823.89	-2524.30	0.00	
12416.00†	90.000	179.748	7841.00	6430.51	-5923.89	-2523.86	0.00	
12516.00†	90.000	179.748	7841.00	6524.26	-6023.89	-2523.42	0.00	
12616.00†	90.000	179.748	7841.00	6618.01	-6123.89	-2522.98	0.00	
12716.00†	90.000	179.748	7841.00	6711.76	-6223.89	-2522.54	0.00	
12816.00†	90.000	179.748	7841.00	6805.51	-6323.89	-2522.10	0.00	
12916.00†	90.000	179.748	7841.00	6899.26	-6423.89	-2521.66	0.00	
13016.00†	90.000	179.748	7841.00	6993.01	-6523.89	-2521.23	0.00	
13116.00†	90.000	179.748	7841.00	7086.76	-6623.89	-2520.79	0.00	
13216.00†	90.000	179.748	7841.00	7180.51	-6723.88	-2520.35	0.00	
13316.00†	90.000	179.748	7841.00	7274.26	-6823.88	-2519.91	0.00	
13373.35†	90.000	179.748	7841.00	7328.03	-6881.23	-2519.65	0.00	CODELL
13373.35	90.000	179.748	7841.00 ²	7328.03	-6881.24	-2519.65	0.00	End of Tangent

HOLE & CASING SECTIONS - Ref Wellbore: SHOOK 3-10-1CDH PWB Ref Wellpath: SHOOK 3-10-1CDH 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]
13.5in Open Hole	16.00	800.00	784.00	16.00	800.00	0.00	0.00	0.00	0.00
9.625in Casing Surface	16.00	800.00	784.00	16.00	800.00	0.00	0.00	0.00	0.00
8.5in Open Hole	800.00	13373.35	12573.35	800.00	7841.00	0.00	0.00	-6881.23	-2519.65
5.5in Casing Production	16.00	13373.35	13357.35	16.00	7841.00	0.00	0.00	-6881.23	-2519.65

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SEC.03-T1S-R67W		0.00	0.00	0.00	3175478.75	1240632.48	39°59'31.992"N	104°52'25.320"W	polygon
SEC.10-T1S-R67W		0.00	0.00	0.00	3175478.75	1240632.48	39°59'31.992"N	104°52'25.320"W	polygon
SEC.10-T1S-R67W (460'SETBACK)		7841.00	0.00	0.00	3175478.75	1240632.48	39°59'31.992"N	104°52'25.320"W	polygon
2) SHOOK 3-10-1CDH BHL ON PLAT (460'FSL & 460'FWL, SEC.10)	13373.35	7841.00	-6881.24	-2519.65	3173007.85	1233733.86	39°58'23.988"N	104°52'57.684"W	point
1) SHOOK 3-10-1CDH LP ON PLAT (460'FNL & 460'FWL, SEC.10)	9012.81	7841.00	-2520.73	-2538.83	3172957.88	1238093.96	39°59'07.080"N	104°52'57.936"W	point

SURVEY PROGRAM - Ref Wellbore: SHOOK 3-10-1CDH PWB Ref Wellpath: SHOOK 3-10-1CDH PWP (REV-A.0)

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore

16.00	13373.35	Custom NaviTrak (Standard) (Rockies 0.03Gt model)	SHOOK 3-10-1CDH PWB
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Planned Wellpath Report

SHOOK 3-10-1CDH PWP (REV-A.0)

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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#01 SHOOK 3-10-1CDH (2058'FSL & 2289'FEL, SEC.03)
Area	COLORADO	Well	SHOOK 3-10-1CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	SHOOK 3-10-1CDH PWB
Facility	SEC.03-T1S-R67W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
745.00	0.000	230.266	745.00	FOX HILLS
5295.14	30.749	230.266	4905.00	SUSSEX / SHANNON
8197.12	30.749	230.266	7399.00	NIOBRARA A CHALK
8235.52	30.749	230.266	7432.00	NIOBRARA A MARL
8395.60	36.840	217.546	7567.00	NIOBRARA B CHALK
8427.33	39.172	214.050	7592.00	NIOBRARA B MARL
8549.74	48.922	203.342	7680.00	NIOBRARA C CHALK
8590.74	52.373	200.477	7706.00	NIOBRARA C MARL
8853.49	75.555	186.541	7821.00	FORT HAYS
13373.35	90.000	179.748	7841.00	CODELL

DESIGN COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
16.00	0.000	230.266	16.00	Tie On
1500.00	0.000	230.266	1500.00	End of Tangent
3037.45	30.749	230.266	2964.71	End of Build
8302.52	30.749	230.266	7489.58	End of Tangent
9012.81	90.000	179.748	7841.00	End of 3D Arc
13373.35	90.000	179.748	7841.00	End of Tangent