

# PETROSHARE

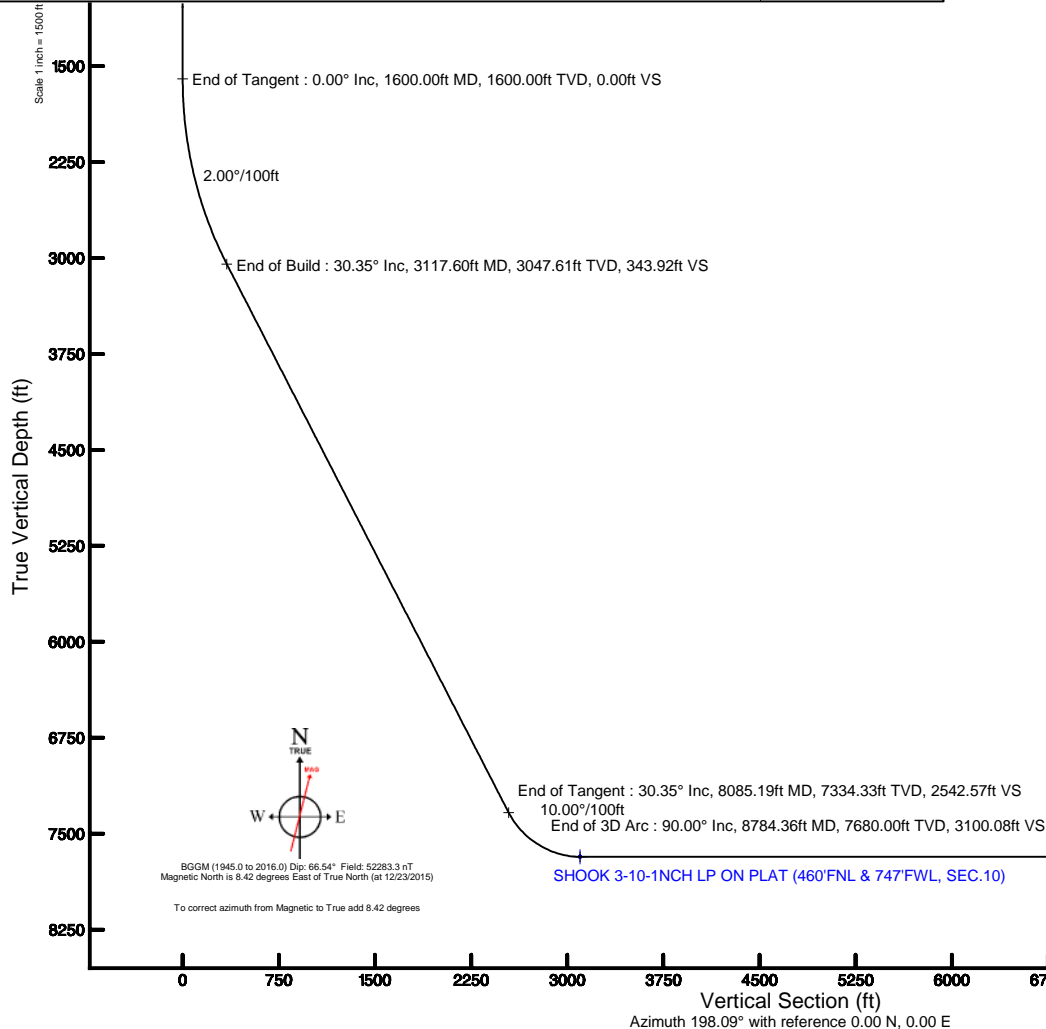
Location: COLORADO Slot: SLOT#02 SHOOK 3-10-1NCH (2058'FSL & 2274'FEL, SEC.03)  
Field: ADAMS COUNTY (NAD83/ TRUE NORTH) Well: SHOOK 3-10-1NCH  
Facility: SEC.03-T1S-R67W Wellbore: SHOOK 3-10-1NCH PWB

Plot reference wellpath is SHOOK 3-10-1NCH 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#02 SHOOK 3-10-1NCH (2058'FSL & 2274'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)
SLOT#02 SHOOK 3-10-1NCH (2058'FSL & 2274'FEL, SEC.03)	0.00	14.01	3175492.760	1240632.574
RIG (16KB) (RKB) to Mud line (At Slot: SLOT#02 SHOOK 3-10-1NCH (2058'FSL & 2274'FEL, SEC.03))	5114ft			
Mean Sea Level to Mud line (At Slot: SLOT#02 SHOOK 3-10-1NCH (2058'FSL & 2274'FEL, SEC.03))	0ft			
RIG (16KB) (RKB) to Mean Sea Level	5114ft			



## Well Profile Data

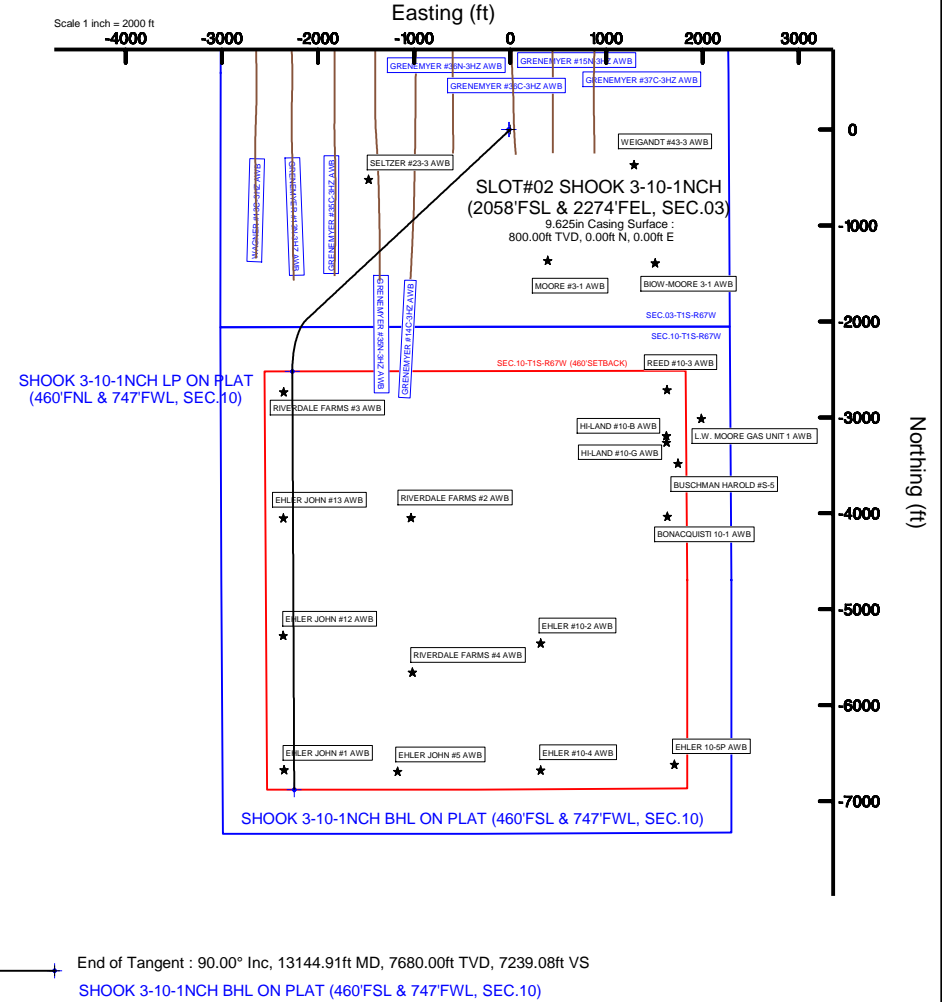
Design Comment	MD (ft)	Inc (")	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	16.00	0.000	226.939	16.00	0.00	0.00	0.00	0.00
End of Tangent	1600.00	0.000	226.939	1600.00	0.00	0.00	0.00	0.00
End of Build	3117.60	30.352	226.939	3047.61	-268.10	-286.88	2.00	343.92
End of Tangent	8085.19	30.352	226.939	7334.33	-1981.99	-2120.89	0.00	2542.57
End of 3D Arc	8784.36	90.000	179.747	7680.00	-2520.76	-2267.01	10.00	3100.08
End of Tangent	13144.91	90.000	179.747	7680.00	-6881.26	-2247.79	0.00	7239.08

## Survey Program

Start MD (ft)	End MD (ft)	Tool	Model	Log Name/Comment	Wellbore
16.00	13144.91	NavTrak	Custom NavTrak (Standard) (Rockies 0.03Gt model)		SHOOK 3-10-1NCH 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 3-10-1NCH PWB
9.625in Casing Surface	16.00	800.00	784.00	16.00	800.00	0.00	0.00	0.00	0.00	SHOOK 3-10-1NCH PWB
8.5in Open Hole	800.00	13144.91	12344.91	800.00	7680.00	0.00	0.00	-6881.26	-2247.79	SHOOK 3-10-1NCH PWB
5.5in Casing Production	16.00	13144.91	13128.91	16.00	7680.00	0.00	0.00	-6881.26	-2247.79	SHOOK 3-10-1NCH PWB

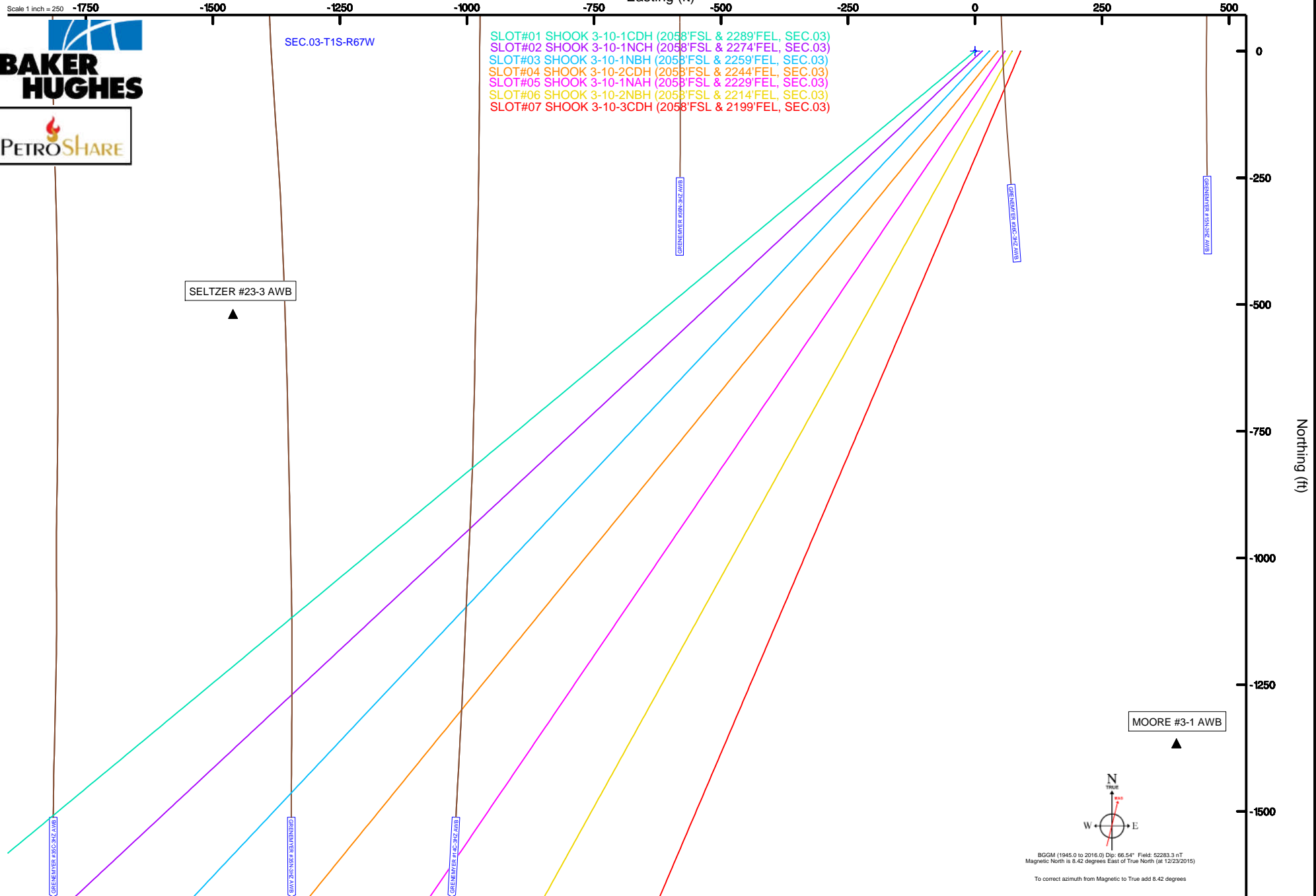


# PETROSHARE

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 PWP

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

True vertical depths are referenced to RIG (16'KB) (RKB)	Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet
Measured depths are referenced to RIG (16'KB) (RKB)	North Reference: True north
RIG (16'KB) (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: ingrijann on 12/29/2015



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

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

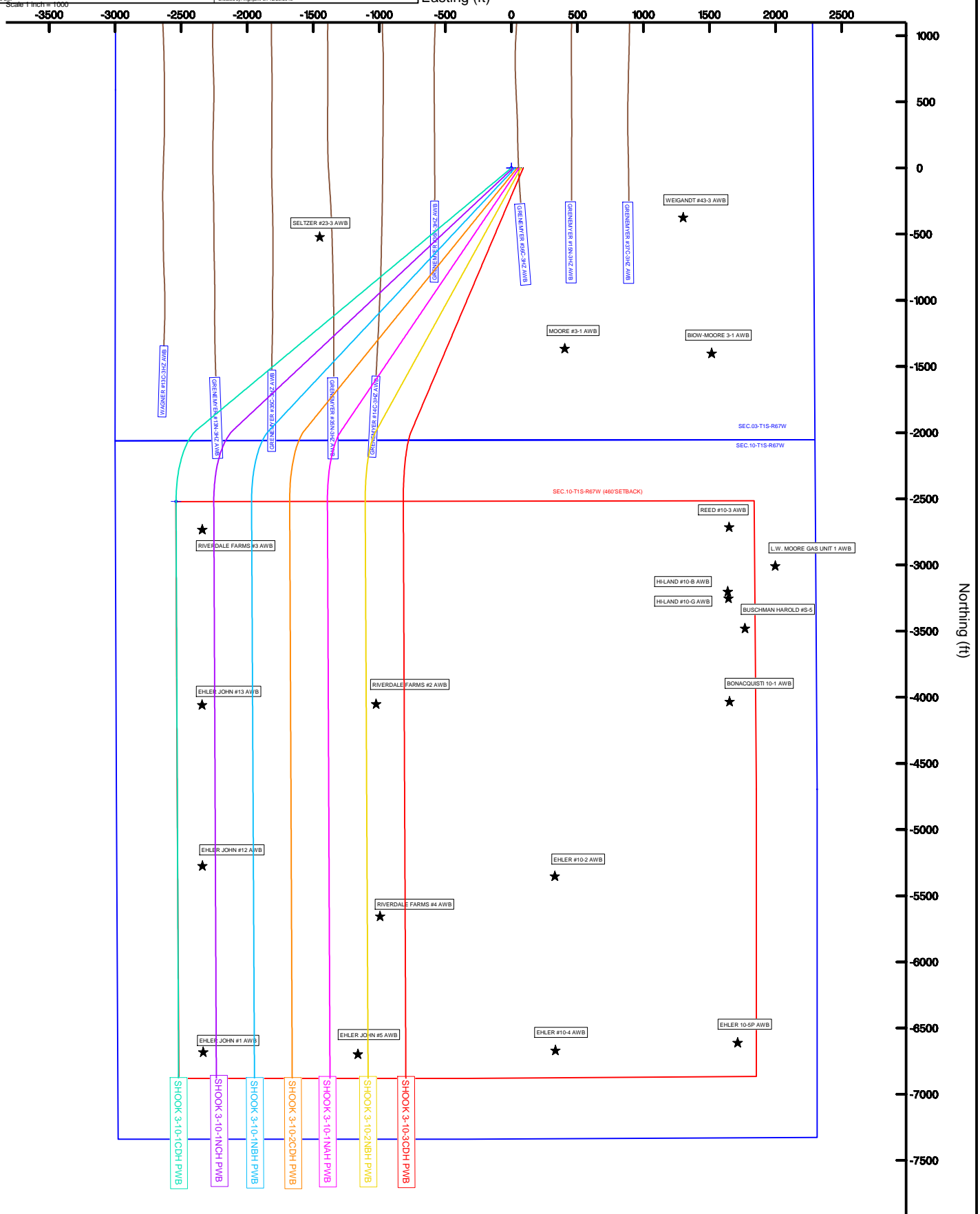


BGGM (1945.0 to 2016.0) Dip: 66.54° Field: 52283.3 nT  
Magnetic North is 8.42 degrees East of True North (at 12/23/2015)

To correct azimuth from Magnetic to True add 8.42 degrees

Post reference depth is SHOOK 3-10-1CDH PWP (REV-A.5)	Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), UTM east
True vertical depths are referenced to RIG (16K8) (RKB)	North Reference: True north
Measured depths are referenced to RIG (16K8) (RKB)	Scale: True distance
RIG (16K8) (RKB) to Mean Sea Level: 5114 feet	Depths in feet
Mean Sea Level to Mast line (At Site: SLO701 SHOOK 3-10-1CDH (2058F5 & 289F6L SEC.03): 0 feet	Created by: jnginger on 12/29/2015
Coordinates are in feet referenced to Site	

Easting (ft)





# Planned Wellpath Report

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

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## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#02 SHOOK 3-10-1NCH (2058'FSL & 2274'FEL, SEC.03)
Area	COLORADO	Well	SHOOK 3-10-1NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	SHOOK 3-10-1NCH 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 8:02:19 AM
Convergence at slot	0.40° East	Database/Source file	WA_DEN_Denver_Defn/SHOOK_3-10-1NCH_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	14.01	3175492.76	1240632.57	39°59'31.992"N	104°52'25.140"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#02 SHOOK 3-10-1NCH (2058'FSL & 2274'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	198.09°



# Planned Wellpath Report

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

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## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#02 SHOOK 3-10-1NCH (2058'FSL & 2274'FEL, SEC.03)
Area	COLORADO	Well	SHOOK 3-10-1NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	SHOOK 3-10-1NCH PWB
Facility	SEC.03-T1S-R67W		

## WELLPATH DATA (144 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	226.939	0.00	0.00	0.00	0.00	0.00	
16.00	0.000	226.939	16.00	0.00	0.00	0.00	0.00	Tie On
116.00†	0.000	226.939	116.00	0.00	0.00	0.00	0.00	
216.00†	0.000	226.939	216.00	0.00	0.00	0.00	0.00	
316.00†	0.000	226.939	316.00	0.00	0.00	0.00	0.00	
416.00†	0.000	226.939	416.00	0.00	0.00	0.00	0.00	
516.00†	0.000	226.939	516.00	0.00	0.00	0.00	0.00	
616.00†	0.000	226.939	616.00	0.00	0.00	0.00	0.00	
716.00†	0.000	226.939	716.00	0.00	0.00	0.00	0.00	
745.00†	0.000	226.939	745.00	0.00	0.00	0.00	0.00	FOX HILLS
816.00†	0.000	226.939	816.00	0.00	0.00	0.00	0.00	
916.00†	0.000	226.939	916.00	0.00	0.00	0.00	0.00	
1016.00†	0.000	226.939	1016.00	0.00	0.00	0.00	0.00	
1116.00†	0.000	226.939	1116.00	0.00	0.00	0.00	0.00	
1216.00†	0.000	226.939	1216.00	0.00	0.00	0.00	0.00	
1316.00†	0.000	226.939	1316.00	0.00	0.00	0.00	0.00	
1416.00†	0.000	226.939	1416.00	0.00	0.00	0.00	0.00	
1516.00†	0.000	226.939	1516.00	0.00	0.00	0.00	0.00	
1600.00	0.000	226.939	1600.00	0.00	0.00	0.00	0.00	End of Tangent
1616.00†	0.320	226.939	1616.00	0.04	-0.03	-0.03	2.00	
1716.00†	2.320	226.939	1715.97	2.06	-1.60	-1.72	2.00	
1816.00†	4.320	226.939	1815.80	7.13	-5.56	-5.95	2.00	
1916.00†	6.320	226.939	1915.36	15.25	-11.89	-12.72	2.00	
2016.00†	8.320	226.939	2014.54	26.41	-20.59	-22.03	2.00	
2116.00†	10.320	226.939	2113.21	40.59	-31.64	-33.86	2.00	
2216.00†	12.320	226.939	2211.26	57.79	-45.04	-48.20	2.00	
2316.00†	14.320	226.939	2308.57	77.96	-60.77	-65.03	2.00	
2416.00†	16.320	226.939	2405.01	101.10	-78.81	-84.34	2.00	
2516.00†	18.320	226.939	2500.47	127.18	-99.14	-106.09	2.00	
2616.00†	20.320	226.939	2594.84	156.16	-121.73	-130.26	2.00	
2716.00†	22.320	226.939	2687.99	188.00	-146.55	-156.82	2.00	
2816.00†	24.320	226.939	2779.81	222.67	-173.58	-185.74	2.00	
2916.00†	26.320	226.939	2870.20	260.13	-202.78	-216.99	2.00	
3016.00†	28.320	226.939	2959.04	300.33	-234.11	-250.52	2.00	
3116.00†	30.320	226.939	3046.23	343.22	-267.54	-286.29	2.00	
3117.60	30.352	226.939	3047.61	343.92	-268.10	-286.88	2.00	End of Build
3216.00†	30.352	226.939	3132.52	387.48	-302.05	-323.21	0.00	
3316.00†	30.352	226.939	3218.82	431.74	-336.55	-360.13	0.00	
3416.00†	30.352	226.939	3305.11	476.00	-371.05	-397.05	0.00	
3516.00†	30.352	226.939	3391.40	520.26	-405.55	-433.97	0.00	
3616.00†	30.352	226.939	3477.70	564.52	-440.05	-470.89	0.00	
3716.00†	30.352	226.939	3563.99	608.78	-474.55	-507.81	0.00	
3816.00†	30.352	226.939	3650.28	653.03	-509.05	-544.73	0.00	
3916.00†	30.352	226.939	3736.58	697.29	-543.56	-581.65	0.00	
4016.00†	30.352	226.939	3822.87	741.55	-578.06	-618.57	0.00	



# Planned Wellpath Report

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

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## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#02 SHOOK 3-10-1NCH (2058'FSL & 2274'FEL, SEC.03)
Area	COLORADO	Well	SHOOK 3-10-1NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	SHOOK 3-10-1NCH PWB
Facility	SEC.03-T1S-R67W		

## WELLPATH DATA (144 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
4116.00†	30.352	226.939	3909.17	785.81	-612.56	-655.49	0.00	
4216.00†	30.352	226.939	3995.46	830.07	-647.06	-692.41	0.00	
4316.00†	30.352	226.939	4081.75	874.33	-681.56	-729.33	0.00	
4416.00†	30.352	226.939	4168.05	918.59	-716.06	-766.25	0.00	
4516.00†	30.352	226.939	4254.34	962.85	-750.56	-803.16	0.00	
4616.00†	30.352	226.939	4340.63	1007.11	-785.07	-840.08	0.00	
4716.00†	30.352	226.939	4426.93	1051.37	-819.57	-877.00	0.00	
4816.00†	30.352	226.939	4513.22	1095.63	-854.07	-913.92	0.00	
4916.00†	30.352	226.939	4599.52	1139.89	-888.57	-950.84	0.00	
5016.00†	30.352	226.939	4685.81	1184.15	-923.07	-987.76	0.00	
5116.00†	30.352	226.939	4772.10	1228.41	-957.57	-1024.68	0.00	
5216.00†	30.352	226.939	4858.40	1272.67	-992.07	-1061.60	0.00	
5270.00†	30.352	226.939	4905.00	1296.57	-1010.71	-1081.54	0.00	SUSSEX/SHANNON
5316.00†	30.352	226.939	4944.69	1316.93	-1026.58	-1098.52	0.00	
5416.00†	30.352	226.939	5030.98	1361.19	-1061.08	-1135.44	0.00	
5516.00†	30.352	226.939	5117.28	1405.45	-1095.58	-1172.36	0.00	
5616.00†	30.352	226.939	5203.57	1449.71	-1130.08	-1209.28	0.00	
5716.00†	30.352	226.939	5289.87	1493.97	-1164.58	-1246.20	0.00	
5816.00†	30.352	226.939	5376.16	1538.23	-1199.08	-1283.12	0.00	
5916.00†	30.352	226.939	5462.45	1582.49	-1233.59	-1320.04	0.00	
6016.00†	30.352	226.939	5548.75	1626.75	-1268.09	-1356.96	0.00	
6116.00†	30.352	226.939	5635.04	1671.01	-1302.59	-1393.87	0.00	
6216.00†	30.352	226.939	5721.33	1715.27	-1337.09	-1430.79	0.00	
6316.00†	30.352	226.939	5807.63	1759.53	-1371.59	-1467.71	0.00	
6416.00†	30.352	226.939	5893.92	1803.79	-1406.09	-1504.63	0.00	
6516.00†	30.352	226.939	5980.22	1848.05	-1440.59	-1541.55	0.00	
6616.00†	30.352	226.939	6066.51	1892.31	-1475.10	-1578.47	0.00	
6716.00†	30.352	226.939	6152.80	1936.57	-1509.60	-1615.39	0.00	
6816.00†	30.352	226.939	6239.10	1980.83	-1544.10	-1652.31	0.00	
6916.00†	30.352	226.939	6325.39	2025.09	-1578.60	-1689.23	0.00	
7016.00†	30.352	226.939	6411.68	2069.35	-1613.10	-1726.15	0.00	
7116.00†	30.352	226.939	6497.98	2113.61	-1647.60	-1763.07	0.00	
7216.00†	30.352	226.939	6584.27	2157.87	-1682.10	-1799.99	0.00	
7316.00†	30.352	226.939	6670.57	2202.13	-1716.61	-1836.91	0.00	
7416.00†	30.352	226.939	6756.86	2246.39	-1751.11	-1873.83	0.00	
7516.00†	30.352	226.939	6843.15	2290.65	-1785.61	-1910.75	0.00	
7616.00†	30.352	226.939	6929.45	2334.91	-1820.11	-1947.66	0.00	
7716.00†	30.352	226.939	7015.74	2379.17	-1854.61	-1984.58	0.00	
7816.00†	30.352	226.939	7102.03	2423.43	-1889.11	-2021.50	0.00	
7916.00†	30.352	226.939	7188.33	2467.69	-1923.61	-2058.42	0.00	
8016.00†	30.352	226.939	7274.62	2511.95	-1958.12	-2095.34	0.00	
8085.19	30.352	226.939	7334.33	2542.57	-1981.99	-2120.89	0.00	End of Tangent
8116.00†	32.356	222.440	7360.64	2556.90	-1993.39	-2132.14	10.00	
8162.26†	35.626	216.580	7399.00	2580.97	-2013.35	-2148.53	10.00	NIORARA A CHALK
8203.68†	38.760	212.095	7432.00	2605.00	-2034.04	-2162.62	10.00	NIORARA A MARL



# Planned Wellpath Report

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

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## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#02 SHOOK 3-10-1NCH (2058'FSL & 2274'FEL, SEC.03)
Area	COLORADO	Well	SHOOK 3-10-1NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	SHOOK 3-10-1NCH PWB
Facility	SEC.03-T1S-R67W		

## WELLPATH DATA (144 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
8216.00†	39.723	210.880	7441.54	2612.58	-2040.68	-2166.69	10.00	
8316.00†	47.919	202.572	7513.69	2680.92	-2102.53	-2197.41	10.00	
8401.89†	55.334	197.030	7567.00	2748.14	-2165.86	-2220.03	10.00	NIOBRARA B CHALK
8416.00†	56.575	196.219	7574.90	2759.82	-2177.06	-2223.37	10.00	
8448.28†	59.431	194.447	7592.00	2787.16	-2203.45	-2230.60	10.00	NIOBRARA C CHALK
8516.00†	65.494	191.041	7623.30	2846.90	-2261.99	-2243.79	10.00	
8616.00†	74.566	186.559	7657.43	2939.51	-2354.77	-2258.05	10.00	
8716.00†	83.721	182.457	7676.26	3034.84	-2452.55	-2265.70	10.00	
8784.36	90.000	179.747	7680.00†	3100.08	-2520.76	-2267.01	10.00	End of 3D Arc
8816.00†	90.000	179.747	7680.00	3130.11	-2552.39	-2266.87	0.00	
8916.00†	90.000	179.747	7680.00	3225.03	-2652.39	-2266.43	0.00	
9016.00†	90.000	179.747	7680.00	3319.95	-2752.39	-2265.99	0.00	
9116.00†	90.000	179.747	7680.00	3414.87	-2852.39	-2265.55	0.00	
9216.00†	90.000	179.747	7680.00	3509.79	-2952.39	-2265.11	0.00	
9316.00†	90.000	179.747	7680.00	3604.71	-3052.39	-2264.67	0.00	
9416.00†	90.000	179.747	7680.00	3699.63	-3152.39	-2264.23	0.00	
9516.00†	90.000	179.747	7680.00	3794.55	-3252.39	-2263.79	0.00	
9616.00†	90.000	179.747	7680.00	3889.47	-3352.39	-2263.34	0.00	
9716.00†	90.000	179.747	7680.00	3984.39	-3452.39	-2262.90	0.00	
9816.00†	90.000	179.747	7680.00	4079.30	-3552.38	-2262.46	0.00	
9916.00†	90.000	179.747	7680.00	4174.22	-3652.38	-2262.02	0.00	
10016.00†	90.000	179.747	7680.00	4269.14	-3752.38	-2261.58	0.00	
10116.00†	90.000	179.747	7680.00	4364.06	-3852.38	-2261.14	0.00	
10216.00†	90.000	179.747	7680.00	4458.98	-3952.38	-2260.70	0.00	
10316.00†	90.000	179.747	7680.00	4553.90	-4052.38	-2260.26	0.00	
10416.00†	90.000	179.747	7680.00	4648.82	-4152.38	-2259.82	0.00	
10516.00†	90.000	179.747	7680.00	4743.74	-4252.38	-2259.38	0.00	
10616.00†	90.000	179.747	7680.00	4838.66	-4352.38	-2258.94	0.00	
10716.00†	90.000	179.747	7680.00	4933.58	-4452.38	-2258.50	0.00	
10816.00†	90.000	179.747	7680.00	5028.50	-4552.37	-2258.06	0.00	
10916.00†	90.000	179.747	7680.00	5123.42	-4652.37	-2257.61	0.00	
11016.00†	90.000	179.747	7680.00	5218.34	-4752.37	-2257.17	0.00	
11116.00†	90.000	179.747	7680.00	5313.26	-4852.37	-2256.73	0.00	
11216.00†	90.000	179.747	7680.00	5408.18	-4952.37	-2256.29	0.00	
11316.00†	90.000	179.747	7680.00	5503.09	-5052.37	-2255.85	0.00	
11416.00†	90.000	179.747	7680.00	5598.01	-5152.37	-2255.41	0.00	
11516.00†	90.000	179.747	7680.00	5692.93	-5252.37	-2254.97	0.00	
11616.00†	90.000	179.747	7680.00	5787.85	-5352.37	-2254.53	0.00	
11716.00†	90.000	179.747	7680.00	5882.77	-5452.37	-2254.09	0.00	
11816.00†	90.000	179.747	7680.00	5977.69	-5552.36	-2253.65	0.00	
11916.00†	90.000	179.747	7680.00	6072.61	-5652.36	-2253.21	0.00	
12016.00†	90.000	179.747	7680.00	6167.53	-5752.36	-2252.77	0.00	
12116.00†	90.000	179.747	7680.00	6262.45	-5852.36	-2252.32	0.00	
12216.00†	90.000	179.747	7680.00	6357.37	-5952.36	-2251.88	0.00	
12316.00†	90.000	179.747	7680.00	6452.29	-6052.36	-2251.44	0.00	





# Planned Wellpath Report

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

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## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#02 SHOOK 3-10-1NCH (2058'FSL & 2274'FEL, SEC.03)
Area	COLORADO	Well	SHOOK 3-10-1NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	SHOOK 3-10-1NCH PWB
Facility	SEC.03-T1S-R67W		

## WELLPATH DATA (144 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
12416.00†	90.000	179.747	7680.00	6547.21	-6152.36	-2251.00	0.00	
12516.00†	90.000	179.747	7680.00	6642.13	-6252.36	-2250.56	0.00	
12616.00†	90.000	179.747	7680.00	6737.05	-6352.36	-2250.12	0.00	
12716.00†	90.000	179.747	7680.00	6831.96	-6452.36	-2249.68	0.00	
12816.00†	90.000	179.747	7680.00	6926.88	-6552.36	-2249.24	0.00	
12916.00†	90.000	179.747	7680.00	7021.80	-6652.35	-2248.80	0.00	
13016.00†	90.000	179.747	7680.00	7116.72	-6752.35	-2248.36	0.00	
13116.00†	90.000	179.747	7680.00	7211.64	-6852.35	-2247.92	0.00	
13144.91	90.000	179.747	7680.00 <sup>2</sup>	7239.08	-6881.26	-2247.79	0.00	End of Tangent; NIOBRARA C MARL

## HOLE & CASING SECTIONS - Ref Wellbore: SHOOK 3-10-1NCH PWB Ref Wellpath: SHOOK 3-10-1NCH 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]
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	13144.91	12344.91	800.00	7680.00	0.00	0.00	-6881.26	-2247.79
5.5in Casing Production	16.00	13144.91	13128.91	16.00	7680.00	0.00	0.00	-6881.26	-2247.79

## 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	-14.01	3175478.75	1240632.48	39°59'31.992"N	104°52'25.320"W	polygon
SEC.10-T1S-R67W		0.00	0.00	-14.01	3175478.75	1240632.48	39°59'31.992"N	104°52'25.320"W	polygon
2) SHOOK 3-10-1NCH BHL ON PLAT (460'FSL & 747'FWL, SEC.10)	13144.91	7680.00	-6881.26	-2247.79	3173293.71	1233735.85	39°58'23.988"N	104°52'54.012"W	point
1) SHOOK 3-10-1NCH LP ON PLAT (460'FNL & 747'FWL, SEC.10)	8784.36	7680.00	-2520.76	-2267.01	3173243.69	1238095.96	39°59'07.080"N	104°52'54.264"W	point
SEC.10-T1S-R67W (460'SETBACK)		7841.00	0.00	-14.01	3175478.75	1240632.48	39°59'31.992"N	104°52'25.320"W	polygon

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

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
16.00	13144.91	Custom NaviTrak (Standard) (Rockies 0.03Gt model)		SHOOK 3-10-1NCH PWB





# Planned Wellpath Report

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

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## REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#02 SHOOK 3-10-1NCH (2058'FSL & 2274'FEL, SEC.03)
Area	COLORADO	Well	SHOOK 3-10-1NCH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	SHOOK 3-10-1NCH PWB
Facility	SEC.03-T1S-R67W		

## WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
745.00	0.000	226.939	745.00	FOX HILLS
5270.00	30.352	226.939	4905.00	SUSSEX/SHANNON
8162.26	35.626	216.580	7399.00	NIOBRARA A CHALK
8203.68	38.760	212.095	7432.00	NIOBRARA A MARL
8401.89	55.334	197.030	7567.00	NIOBRARA B CHALK
8448.28	59.431	194.447	7592.00	NIOBRARA C CHALK
13144.91	90.000	179.747	7680.00	NIOBRARA C MARL

## DESIGN COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
16.00	0.000	226.939	16.00	Tie On
1600.00	0.000	226.939	1600.00	End of Tangent
3117.60	30.352	226.939	3047.61	End of Build
8085.19	30.352	226.939	7334.33	End of Tangent
8784.36	90.000	179.747	7680.00	End of 3D Arc
13144.91	90.000	179.747	7680.00	End of Tangent