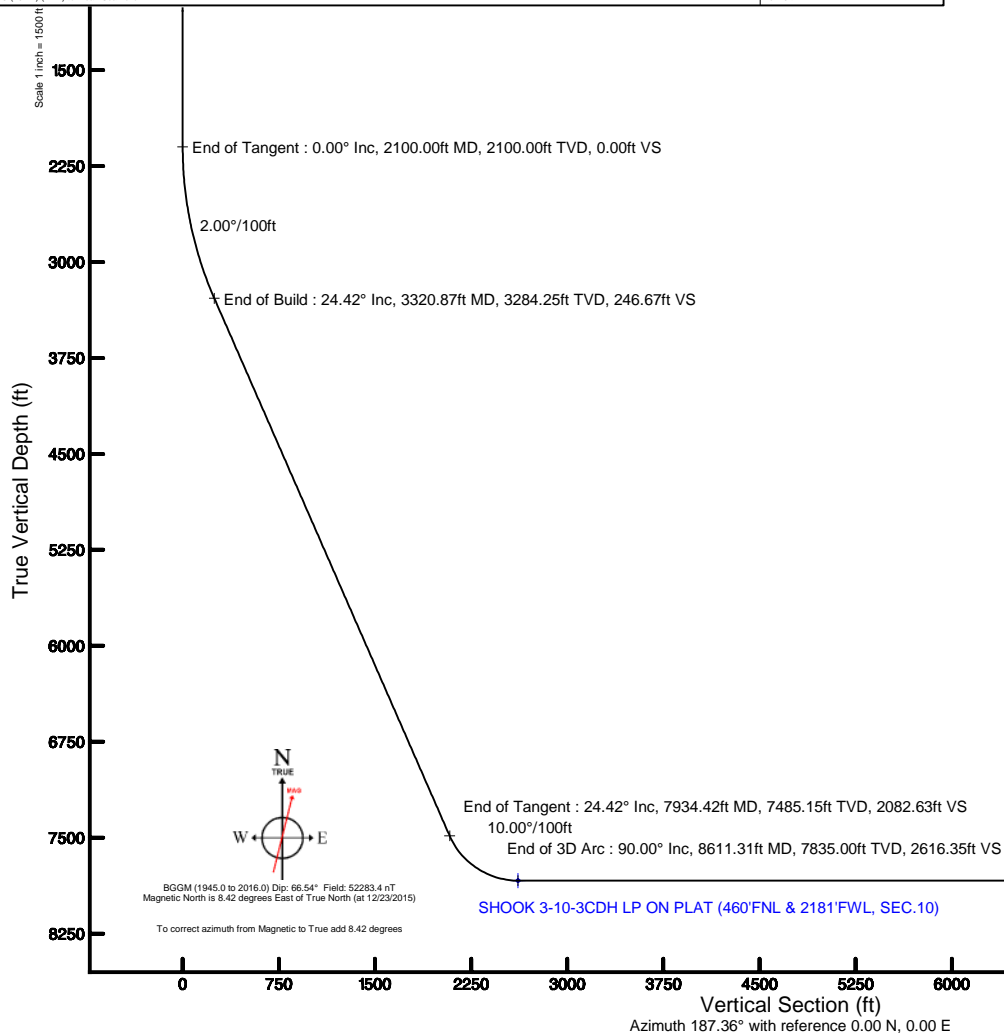


Location:	COLORADO	Slot:	SLOT#07 SHOOK 3-10-3CDH (2058'FSL & 2199'FEL, SEC.03)
Field:	ADAMS COUNTY (NAD83/ TRUE NORTH)	Well:	SHOOK 3-10-3CDH
Facility:	SEC.03-T1S-R67W	Wellbore:	SHOOK 3-10-3CDH PWB

Location:	COLORADO	Slot:	SLOT#07 SHOOK 3-10-3CDH (2058'FSL & 2199'FEL, SEC.03)
Field:	ADAMS COUNTY (NAD83/ TRUE NORTH)	Well:	SHOOK 3-10-3CDH
Facility:	SEC.03-T1S-R67W	Wellbore:	SHOOK 3-10-3CDH PWB

Plot reference wellpath is SHOOK 3-10-3CDH 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: 5113 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: SLO7#07 SHOOK 3-10-3CDH (2058'FSL & 2199'FEL, SEC.03): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: ingramjam on 12/29/2015

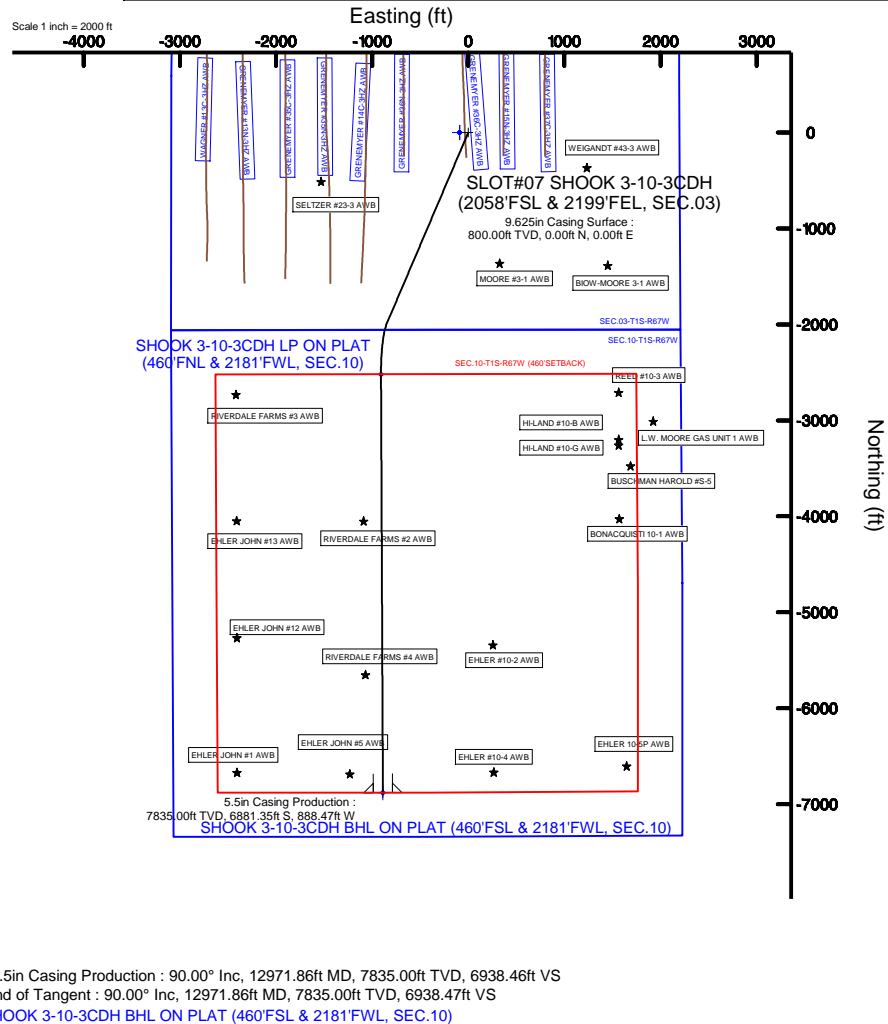
Facility Name			Grid East (US R)	Grid North (US R)	Latitude	Longitude
SEC.03-T1S-R67W			3175478.751	1240632.475	39°59'31.992"N	104°52'25.320"W
Slot	Local N (ft)	Local E (ft)	Grid East (US R)	Grid North (US R)	Latitude	Longitude
SLOT#07 SHOOK 3-10-3CDH (2058FSL & 2199FEL, SEC.03)	0.00	89.66	3175568.408	1240633.109	39°59'31.992"N	104°52'24.168"W
RIG (116KB) (RKB) to Mud line (At Slot: SLOT#07 SHOOK 3-10-3CDH (2058FSL & 2199FEL, SEC.03))					5113ft	
Mean Sea Level to Mud line (At Slot: SLOT#07 SHOOK 3-10-3CDH (2058FSL & 2199FEL, SEC.03))					0ft	
RIG (116KB) (RKB) to Mean Sea Level					5113ft	



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	203.061	16.00	0.00	0.00	0.00	0.00
End of Tangent	2100.00	0.000	203.061	2100.00	0.00	0.00	0.00	0.00
End of Build	3320.87	24.417	203.061	3284.25	-235.76	-100.37	2.00	246.67
End of Tangent	7934.42	24.417	203.061	7485.15	-1990.50	-847.43	0.00	2082.63
End of 3D Arc	8611.31	90.000	179.744	7835.00	-2520.84	-907.93	10.00	2616.35
End of Tangent	12971.86	90.000	179.744	7835.00	-6881.35	-888.47	0.00	6938.47

Start MD (ft)	End MD (ft)	Tool	Model	Log Name/Comment	Wellbore
16.00	12971.86	NaviTrak	Custom NaviTrak (Standard) (Rockies 0.03Gt model)		SHOOK 3-10-3CDH PWB

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 3-10-3CDH PWB
9.625in Casing Surface	16.00	800.00	784.00	16.00	800.00	0.00	0.00	0.00	0.00	SHOOK 3-10-3CDH PWB
8.5in Open Hole	800.00	12971.86	12171.86	800.00	7835.00	0.00	0.00	-6881.35	-888.47	SHOOK 3-10-3CDH PWB
5.5in Casing Production	16.00	12971.86	12585.86	16.00	7835.00	0.00	0.00	-6881.35	-888.47	SHOOK 3-10-3CDH 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

-1750 -1500 -1250 -1000 -750

SEC.03-T1S-R67W

SELTZER #23-3 AWB

▲

GREENWATER #23-3 AWB

BAY SHOOT #23-3 AWB

GREENWATER #12-3 AWB

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

GREINER #36N-3HZ A4VB

GREENE

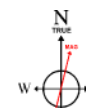
SELTZER #23-3 AWB

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

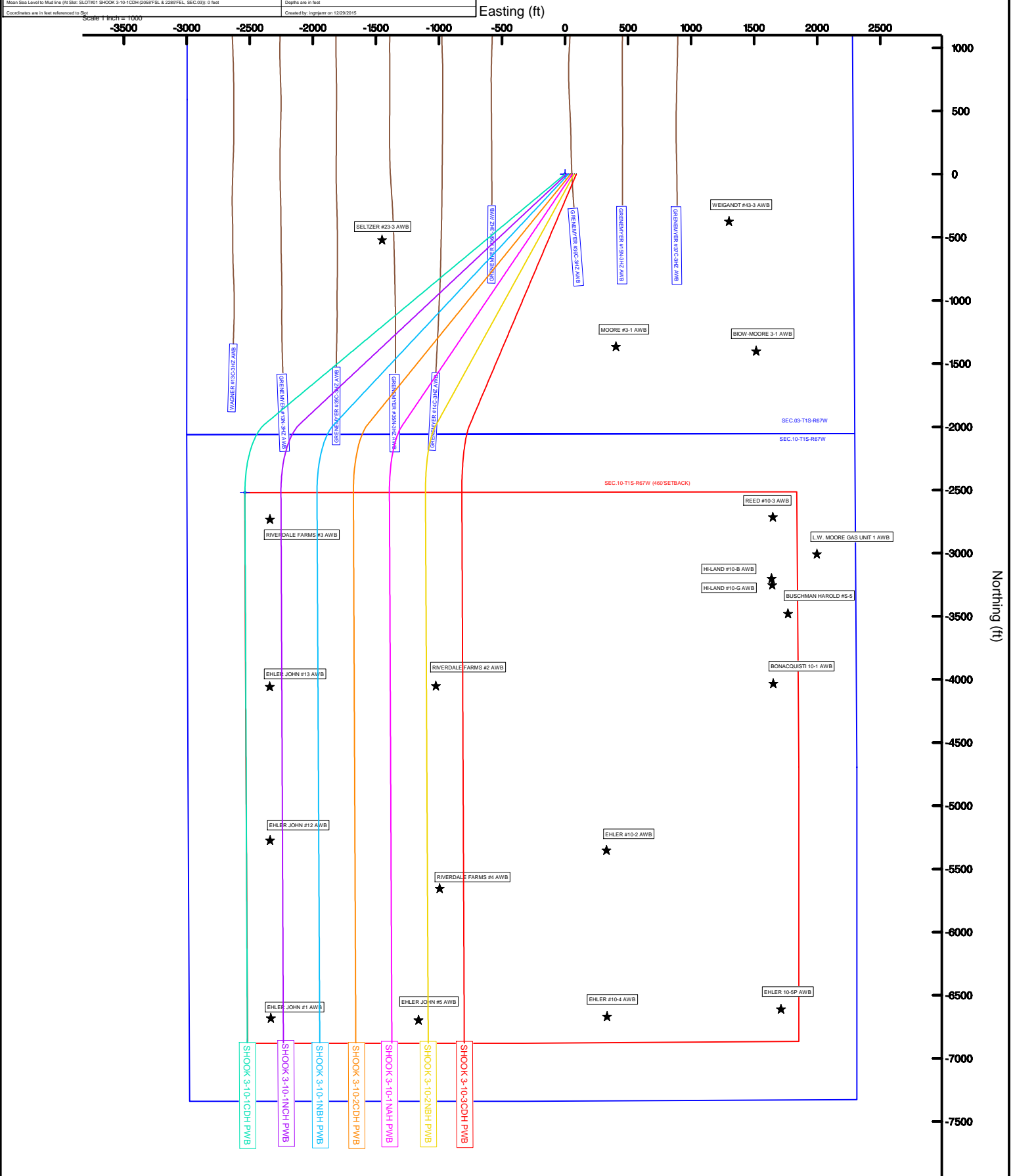
To correct azimuth from Magnetic to True add 8.42 degrees

Location:	COLORADO	Slot:	SLOT#01 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





Planned Wellpath Report

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

Page 1 of 6



REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#07 SHOOK 3-10-3CDH (2058'FSL & 2199'FEL, SEC.03)
Area	COLORADO	Well	SHOOK 3-10-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	SHOOK 3-10-3CDH 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 8:40:26 AM
Convergence at slot	0.40° East	Database/Source file	WA_DEN_Denver_Defn/SHOOK_3-10-3CDH_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	89.66	3175568.41	1240633.11	39°59'31.992"N	104°52'24.168"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	5113.00ft
Horizontal Reference Pt	Slot	RIG (16'KB) (RKB) to Mean Sea Level	5113.00ft
Vertical Reference Pt	RIG (16'KB) (RKB)	RIG (16'KB) (RKB) to Mud Line at Slot (SLOT#07 SHOOK 3-10-3CDH (2058'FSL & 2199'FEL, SEC.03))	5113.00ft
MD Reference Pt	RIG (16'KB) (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	187.36°



Planned Wellpath Report

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

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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#07 SHOOK 3-10-3CDH (2058'FSL & 2199'FEL, SEC.03)
Area	COLORADO	Well	SHOOK 3-10-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	SHOOK 3-10-3CDH PWB
Facility	SEC.03-T1S-R67W		

WELLPATH DATA (146 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	203.061	0.00	0.00	0.00	0.00	0.00	
16.00	0.000	203.061	16.00	0.00	0.00	0.00	0.00	Tie On
116.00†	0.000	203.061	116.00	0.00	0.00	0.00	0.00	
216.00†	0.000	203.061	216.00	0.00	0.00	0.00	0.00	
316.00†	0.000	203.061	316.00	0.00	0.00	0.00	0.00	
416.00†	0.000	203.061	416.00	0.00	0.00	0.00	0.00	
516.00†	0.000	203.061	516.00	0.00	0.00	0.00	0.00	
616.00†	0.000	203.061	616.00	0.00	0.00	0.00	0.00	
716.00†	0.000	203.061	716.00	0.00	0.00	0.00	0.00	
745.00†	0.000	203.061	745.00	0.00	0.00	0.00	0.00	FOX HILLS
816.00†	0.000	203.061	816.00	0.00	0.00	0.00	0.00	
916.00†	0.000	203.061	916.00	0.00	0.00	0.00	0.00	
1016.00†	0.000	203.061	1016.00	0.00	0.00	0.00	0.00	
1116.00†	0.000	203.061	1116.00	0.00	0.00	0.00	0.00	
1216.00†	0.000	203.061	1216.00	0.00	0.00	0.00	0.00	
1316.00†	0.000	203.061	1316.00	0.00	0.00	0.00	0.00	
1416.00†	0.000	203.061	1416.00	0.00	0.00	0.00	0.00	
1516.00†	0.000	203.061	1516.00	0.00	0.00	0.00	0.00	
1616.00†	0.000	203.061	1616.00	0.00	0.00	0.00	0.00	
1716.00†	0.000	203.061	1716.00	0.00	0.00	0.00	0.00	
1816.00†	0.000	203.061	1816.00	0.00	0.00	0.00	0.00	
1916.00†	0.000	203.061	1916.00	0.00	0.00	0.00	0.00	
2016.00†	0.000	203.061	2016.00	0.00	0.00	0.00	0.00	
2100.00	0.000	203.061	2100.00	0.00	0.00	0.00	0.00	End of Tangent
2116.00†	0.320	203.061	2116.00	0.04	-0.04	-0.02	2.00	
2216.00†	2.320	203.061	2215.97	2.26	-2.16	-0.92	2.00	
2316.00†	4.320	203.061	2315.80	7.84	-7.49	-3.19	2.00	
2416.00†	6.320	203.061	2415.36	16.76	-16.02	-6.82	2.00	
2516.00†	8.320	203.061	2514.54	29.03	-27.74	-11.81	2.00	
2616.00†	10.320	203.061	2613.21	44.61	-42.64	-18.15	2.00	
2716.00†	12.320	203.061	2711.26	63.51	-60.70	-25.84	2.00	
2816.00†	14.320	203.061	2808.57	85.69	-81.90	-34.87	2.00	
2916.00†	16.320	203.061	2905.01	111.12	-106.21	-45.22	2.00	
3016.00†	18.320	203.061	3000.47	139.78	-133.60	-56.88	2.00	
3116.00†	20.320	203.061	3094.84	171.63	-164.04	-69.84	2.00	
3216.00†	22.320	203.061	3187.99	206.63	-197.49	-84.08	2.00	
3316.00†	24.320	203.061	3279.81	244.73	-233.91	-99.58	2.00	
3320.87	24.417	203.061	3284.25	246.67	-235.76	-100.37	2.00	End of Build
3416.00†	24.417	203.061	3370.87	284.52	-271.94	-115.77	0.00	
3516.00†	24.417	203.061	3461.93	324.32	-309.97	-131.97	0.00	
3616.00†	24.417	203.061	3552.98	364.11	-348.01	-148.16	0.00	
3716.00†	24.417	203.061	3644.04	403.91	-386.04	-164.35	0.00	
3816.00†	24.417	203.061	3735.09	443.70	-424.08	-180.54	0.00	
3916.00†	24.417	203.061	3826.15	483.50	-462.11	-196.74	0.00	
4016.00†	24.417	203.061	3917.21	523.29	-500.15	-212.93	0.00	



Planned Wellpath Report

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

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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#07 SHOOK 3-10-3CDH (2058'FSL & 2199'FEL, SEC.03)
Area	COLORADO	Well	SHOOK 3-10-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	SHOOK 3-10-3CDH PWB
Facility	SEC.03-T1S-R67W		

WELLPATH DATA (146 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
4116.00†	24.417	203.061	4008.26	563.09	-538.18	-229.12	0.00	
4216.00†	24.417	203.061	4099.32	602.88	-576.22	-245.31	0.00	
4316.00†	24.417	203.061	4190.37	642.68	-614.25	-261.51	0.00	
4416.00†	24.417	203.061	4281.43	682.47	-652.28	-277.70	0.00	
4516.00†	24.417	203.061	4372.48	722.27	-690.32	-293.89	0.00	
4616.00†	24.417	203.061	4463.54	762.06	-728.35	-310.09	0.00	
4716.00†	24.417	203.061	4554.60	801.86	-766.39	-326.28	0.00	
4816.00†	24.417	203.061	4645.65	841.65	-804.42	-342.47	0.00	
4916.00†	24.417	203.061	4736.71	881.45	-842.46	-358.66	0.00	
5016.00†	24.417	203.061	4827.76	921.24	-880.49	-374.86	0.00	
5100.82†	24.417	203.061	4905.00	955.00	-912.75	-388.59	0.00	SUSSEX/ SHANNNON
5116.00†	24.417	203.061	4918.82	961.04	-918.53	-391.05	0.00	
5216.00†	24.417	203.061	5009.88	1000.83	-956.56	-407.24	0.00	
5316.00†	24.417	203.061	5100.93	1040.63	-994.60	-423.43	0.00	
5416.00†	24.417	203.061	5191.99	1080.42	-1032.63	-439.63	0.00	
5516.00†	24.417	203.061	5283.04	1120.22	-1070.67	-455.82	0.00	
5616.00†	24.417	203.061	5374.10	1160.01	-1108.70	-472.01	0.00	
5716.00†	24.417	203.061	5465.15	1199.81	-1146.73	-488.20	0.00	
5816.00†	24.417	203.061	5556.21	1239.60	-1184.77	-504.40	0.00	
5916.00†	24.417	203.061	5647.27	1279.40	-1222.80	-520.59	0.00	
6016.00†	24.417	203.061	5738.32	1319.19	-1260.84	-536.78	0.00	
6116.00†	24.417	203.061	5829.38	1358.99	-1298.87	-552.98	0.00	
6216.00†	24.417	203.061	5920.43	1398.78	-1336.91	-569.17	0.00	
6316.00†	24.417	203.061	6011.49	1438.58	-1374.94	-585.36	0.00	
6416.00†	24.417	203.061	6102.55	1478.37	-1412.98	-601.55	0.00	
6516.00†	24.417	203.061	6193.60	1518.17	-1451.01	-617.75	0.00	
6616.00†	24.417	203.061	6284.66	1557.96	-1489.05	-633.94	0.00	
6716.00†	24.417	203.061	6375.71	1597.76	-1527.08	-650.13	0.00	
6816.00†	24.417	203.061	6466.77	1637.55	-1565.12	-666.32	0.00	
6916.00†	24.417	203.061	6557.82	1677.35	-1603.15	-682.52	0.00	
7016.00†	24.417	203.061	6648.88	1717.14	-1641.19	-698.71	0.00	
7116.00†	24.417	203.061	6739.94	1756.94	-1679.22	-714.90	0.00	
7216.00†	24.417	203.061	6830.99	1796.73	-1717.25	-731.09	0.00	
7316.00†	24.417	203.061	6922.05	1836.53	-1755.29	-747.29	0.00	
7416.00†	24.417	203.061	7013.10	1876.32	-1793.32	-763.48	0.00	
7516.00†	24.417	203.061	7104.16	1916.12	-1831.36	-779.67	0.00	
7616.00†	24.417	203.061	7195.22	1955.91	-1869.39	-795.87	0.00	
7716.00†	24.417	203.061	7286.27	1995.71	-1907.43	-812.06	0.00	
7816.00†	24.417	203.061	7377.33	2035.50	-1945.46	-828.25	0.00	
7832.11†	24.417	203.061	7392.00	2041.92	-1951.59	-830.86	0.00	NIOBRARA A CHALK
7866.16†	24.417	203.061	7423.00	2055.46	-1964.54	-836.37	0.00	NIOBRARA A MARL
7916.00†	24.417	203.061	7468.38	2075.30	-1983.50	-844.44	0.00	
7934.42	24.417	203.061	7485.15	2082.63	-1990.50	-847.43	0.00	End of Tangent
8016.00†	31.971	196.477	7557.02	2120.25	-2026.79	-860.18	10.00	
8018.34†	32.191	196.330	7559.00	2121.47	-2027.98	-860.53	10.00	NIOBRARA B CHALK



Planned Wellpath Report

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

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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#07 SHOOK 3-10-3CDH (2058'FSL & 2199'FEL, SEC.03)
Area	COLORADO	Well	SHOOK 3-10-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	SHOOK 3-10-3CDH PWB
Facility	SEC.03-T1S-R67W		

WELLPATH DATA (146 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
8048.36†	35.035	194.595	7584.00	2137.93	-2044.00	-864.95	10.00	NIOBRARA B MARL
8116.00†	41.516	191.456	7637.08	2179.60	-2084.81	-874.31	10.00	
8164.44†	46.199	189.667	7672.00	2213.10	-2117.79	-880.43	10.00	NIOBRARA C CHALK
8201.82†	49.830	188.469	7697.00	2240.86	-2145.22	-884.80	10.00	NIOBRARA C MARL
8216.00†	51.210	188.048	7706.02	2251.81	-2156.06	-886.38	10.00	
8316.00†	60.979	185.466	7761.74	2334.68	-2238.38	-896.02	10.00	
8416.00†	70.789	183.334	7802.55	2425.71	-2329.27	-902.95	10.00	
8450.75†	74.203	182.658	7813.00	2458.75	-2362.35	-904.68	10.00	FORT HAYS
8516.00†	80.620	181.445	7827.21	2522.13	-2425.96	-906.95	10.00	
8611.31	90.000	179.744	7835.00 [†]	2616.35	-2520.84	-907.93	10.00	End of 3D Arc
8616.00†	90.000	179.744	7835.00	2621.00	-2525.53	-907.90	0.00	
8716.00†	90.000	179.744	7835.00	2720.11	-2625.53	-907.46	0.00	
8816.00†	90.000	179.744	7835.00	2819.23	-2725.53	-907.01	0.00	
8916.00†	90.000	179.744	7835.00	2918.35	-2825.53	-906.57	0.00	
9016.00†	90.000	179.744	7835.00	3017.47	-2925.53	-906.12	0.00	
9116.00†	90.000	179.744	7835.00	3116.59	-3025.52	-905.67	0.00	
9216.00†	90.000	179.744	7835.00	3215.71	-3125.52	-905.23	0.00	
9316.00†	90.000	179.744	7835.00	3314.83	-3225.52	-904.78	0.00	
9416.00†	90.000	179.744	7835.00	3413.94	-3325.52	-904.33	0.00	
9516.00†	90.000	179.744	7835.00	3513.06	-3425.52	-903.89	0.00	
9616.00†	90.000	179.744	7835.00	3612.18	-3525.52	-903.44	0.00	
9716.00†	90.000	179.744	7835.00	3711.30	-3625.52	-903.00	0.00	
9816.00†	90.000	179.744	7835.00	3810.42	-3725.52	-902.55	0.00	
9916.00†	90.000	179.744	7835.00	3909.54	-3825.52	-902.10	0.00	
10016.00†	90.000	179.744	7835.00	4008.66	-3925.52	-901.66	0.00	
10116.00†	90.000	179.744	7835.00	4107.78	-4025.51	-901.21	0.00	
10216.00†	90.000	179.744	7835.00	4206.89	-4125.51	-900.76	0.00	
10316.00†	90.000	179.744	7835.00	4306.01	-4225.51	-900.32	0.00	
10416.00†	90.000	179.744	7835.00	4405.13	-4325.51	-899.87	0.00	
10516.00†	90.000	179.744	7835.00	4504.25	-4425.51	-899.43	0.00	
10616.00†	90.000	179.744	7835.00	4603.37	-4525.51	-898.98	0.00	
10716.00†	90.000	179.744	7835.00	4702.49	-4625.51	-898.53	0.00	
10816.00†	90.000	179.744	7835.00	4801.61	-4725.51	-898.09	0.00	
10916.00†	90.000	179.744	7835.00	4900.72	-4825.51	-897.64	0.00	
11016.00†	90.000	179.744	7835.00	4999.84	-4925.51	-897.19	0.00	
11116.00†	90.000	179.744	7835.00	5098.96	-5025.50	-896.75	0.00	
11216.00†	90.000	179.744	7835.00	5198.08	-5125.50	-896.30	0.00	
11316.00†	90.000	179.744	7835.00	5297.20	-5225.50	-895.85	0.00	
11416.00†	90.000	179.744	7835.00	5396.32	-5325.50	-895.41	0.00	
11516.00†	90.000	179.744	7835.00	5495.44	-5425.50	-894.96	0.00	
11616.00†	90.000	179.744	7835.00	5594.55	-5525.50	-894.52	0.00	
11716.00†	90.000	179.744	7835.00	5693.67	-5625.50	-894.07	0.00	
11816.00†	90.000	179.744	7835.00	5792.79	-5725.50	-893.62	0.00	
11916.00†	90.000	179.744	7835.00	5891.91	-5825.50	-893.18	0.00	
12016.00†	90.000	179.744	7835.00	5991.03	-5925.50	-892.73	0.00	



Planned Wellpath Report

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

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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#07 SHOOK 3-10-3CDH (2058'FSL & 2199'FEL, SEC.03)
Area	COLORADO	Well	SHOOK 3-10-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	SHOOK 3-10-3CDH PWB
Facility	SEC.03-T1S-R67W		

WELLPATH DATA (146 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
12116.00†	90.000	179.744	7835.00	6090.15	-6025.49	-892.28	0.00	
12216.00†	90.000	179.744	7835.00	6189.27	-6125.49	-891.84	0.00	
12316.00†	90.000	179.744	7835.00	6288.39	-6225.49	-891.39	0.00	
12416.00†	90.000	179.744	7835.00	6387.50	-6325.49	-890.95	0.00	
12516.00†	90.000	179.744	7835.00	6486.62	-6425.49	-890.50	0.00	
12616.00†	90.000	179.744	7835.00	6585.74	-6525.49	-890.05	0.00	
12716.00†	90.000	179.744	7835.00	6684.86	-6625.49	-889.61	0.00	
12816.00†	90.000	179.744	7835.00	6783.98	-6725.49	-889.16	0.00	
12916.00†	90.000	179.744	7835.00	6883.10	-6825.49	-888.71	0.00	
12971.86†	90.000	179.744	7835.00	6938.46	-6881.35	-888.47	0.00	CODELL
12971.86	90.000	179.744	7835.00 ²	6938.47	-6881.35	-888.47	0.00	End of Tangent

HOLE & CASING SECTIONS - Ref Wellbore: SHOOK 3-10-3CDH PWB Ref Wellpath: SHOOK 3-10-3CDH 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]
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	12971.86	12171.86	800.00	7835.00	0.00	0.00	-6881.35	-888.47
5.5in Casing Production	16.00	12971.86	12955.86	16.00	7835.00	0.00	0.00	-6881.35	-888.47

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		-1.00	0.00	-89.66	3175478.75	1240632.48	39°59'31.992"N	104°52'25.320"W	polygon
SEC.10-T1S-R67W		-1.00	0.00	-89.66	3175478.75	1240632.48	39°59'31.992"N	104°52'25.320"W	polygon
2) SHOOK 3-10-3CDH BHL ON PLAT (460'FSL & 2181'FWL, SEC.10)	12971.86	7835.00	-6881.35	-888.47	3174728.62	1233745.90	39°58'23.988"N	104°52'35.580"W	point
1) SHOOK 3-10-3CDH LP ON PLAT (460'FNL & 2181'FWL, SEC.10)	8611.31	7835.00	-2520.84	-907.93	3174678.35	1238106.00	39°59'07.080"N	104°52'35.832"W	point
SEC.10-T1S-R67W (460'SETBACK)		7840.00	0.00	-89.66	3175478.75	1240632.48	39°59'31.992"N	104°52'25.320"W	polygon

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

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
16.00	12971.86	Custom NaviTrak (Standard) (Rockies 0.03Gt model)		SHOOK 3-10-3CDH PWB



Planned Wellpath Report

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

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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#07 SHOOK 3-10-3CDH (2058'FSL & 2199'FEL, SEC.03)
Area	COLORADO	Well	SHOOK 3-10-3CDH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	SHOOK 3-10-3CDH PWB
Facility	SEC.03-T1S-R67W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
745.00	0.000	203.061	745.00	FOX HILLS
5100.82	24.417	203.061	4905.00	SUSSEX/ SHANNNON
7832.11	24.417	203.061	7392.00	NIOBRARA A CHALK
7866.16	24.417	203.061	7423.00	NIOBRARA A MARL
8018.34	32.191	196.330	7559.00	NIOBRARA B CHALK
8048.36	35.035	194.595	7584.00	NIOBRARA B MARL
8164.44	46.199	189.667	7672.00	NIOBRARA C CHALK
8201.82	49.830	188.469	7697.00	NIOBRARA C MARL
8450.75	74.203	182.658	7813.00	FORT HAYS
12971.86	90.000	179.744	7835.00	CODELL

DESIGN COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
16.00	0.000	203.061	16.00	Tie On
2100.00	0.000	203.061	2100.00	End of Tangent
3320.87	24.417	203.061	3284.25	End of Build
7934.42	24.417	203.061	7485.15	End of Tangent
8611.31	90.000	179.744	7835.00	End of 3D Arc
12971.86	90.000	179.744	7835.00	End of Tangent