

PETROSHARE

Location: COLORADOSlot: SLOTH#03 SHOOK 3-10-1NBH (2058°FSL & 2259°FEL, SEC.03)Field: ADAMS COUNTY (NAD83/ TRUE NORTH)Well: SHOOK 3-10-1NBHFacility: SEC.03-T1S-R67WWellbore: SHOOK 3-10-1NBH PWB

Plot reference wellpath is SHOOK 3-10-1NBH 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 feetScale: True distance

Mean Sea Level to Mud line (At Slot: SLOTH#03 SHOOK 3-10-1NBH (2058°FSL & 2259°FEL, SEC.03)): 0 feetDepths are in feet

Coordinates are in feet referenced to SlotCreated by: ingmjmr 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
SLOTH#03 SHOOK 3-10-1NBH (2058°FSL & 2259°FEL, SEC.03)	0.00	28.02	3175506.769	1240632.673	39°59'31.992"N	104°52'24.960"W
RIG (16KB) (RKB) to Mud line (At Slot: SLOTH#03 SHOOK 3-10-1NBH (2058°FSL & 2259°FEL, SEC.03))					5114ft	
Mean Sea Level to Mud line (At Slot: SLOTH#03 SHOOK 3-10-1NBH (2058°FSL & 2259°FEL, SEC.03))					0ft	
RIG (16KB) (RKB) to Mean Sea Level					5114ft	

Scale 1 inch = 1500 ft

End of Tangent : 0.00° Inc, 1700.00ft MD, 1700.00ft TVD, 0.00ft VS

2.00°/100ft

End of Build : 29.73° Inc, 3186.58ft MD, 3120.76ft TVD, 335.46ft VS

N
TRUE

E

W

To correct azimuth from Magnetic to True add 8.42 degrees

BGGM (1945.0 to 2016.0) Dp: 66.54" Field: 52283.4 nT
Magnetic North is 8.42 degrees East of True North (at 12/23/2015)

End of Tangent : 29.73° Inc, 7917.22ft MD, 7228.64ft TVD, 2410.00°/100ft

End of 3D Arc : 90.00° Inc, 8606.29ft MD, 7570.00ft TVD, 2910.00°/100ft

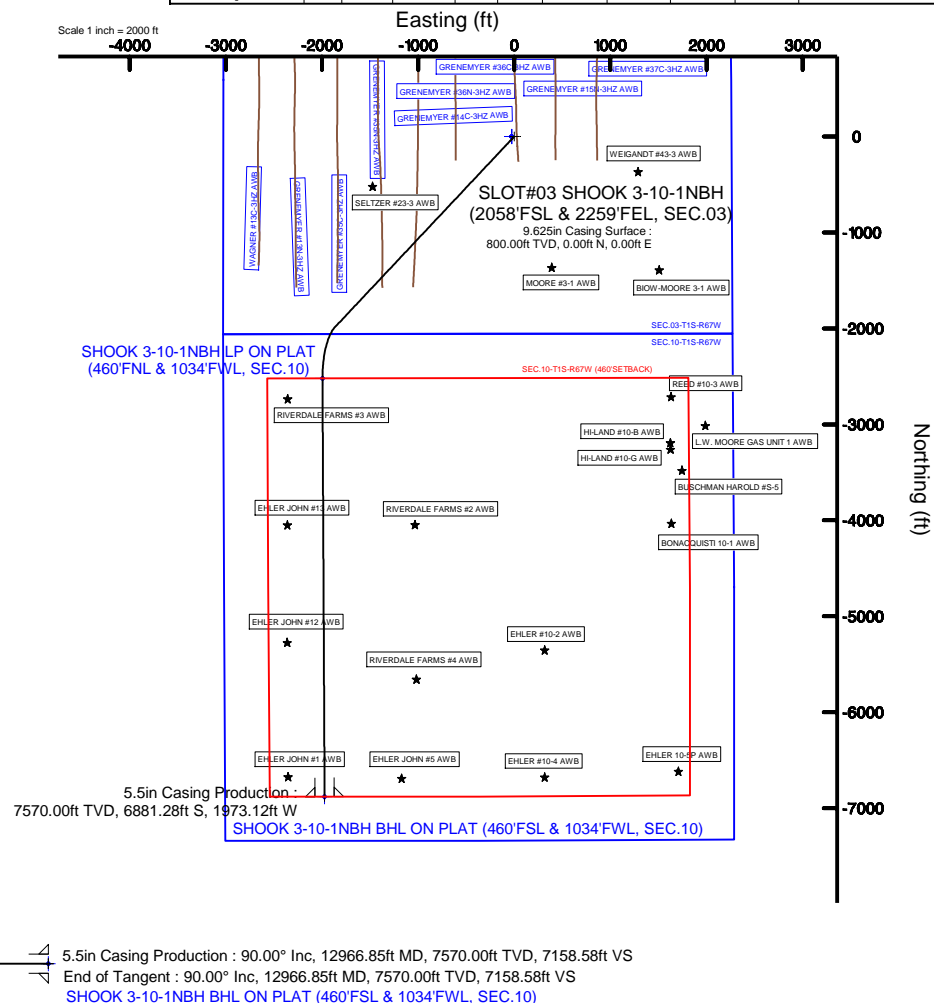
SHOOK 3-10-1NBH LP ON PLAT (460°FNL & 1034°FWL, REV-A.0)

Vertical Section (ft)

Azimuth 196.00° with reference 0.00 N, 0.00



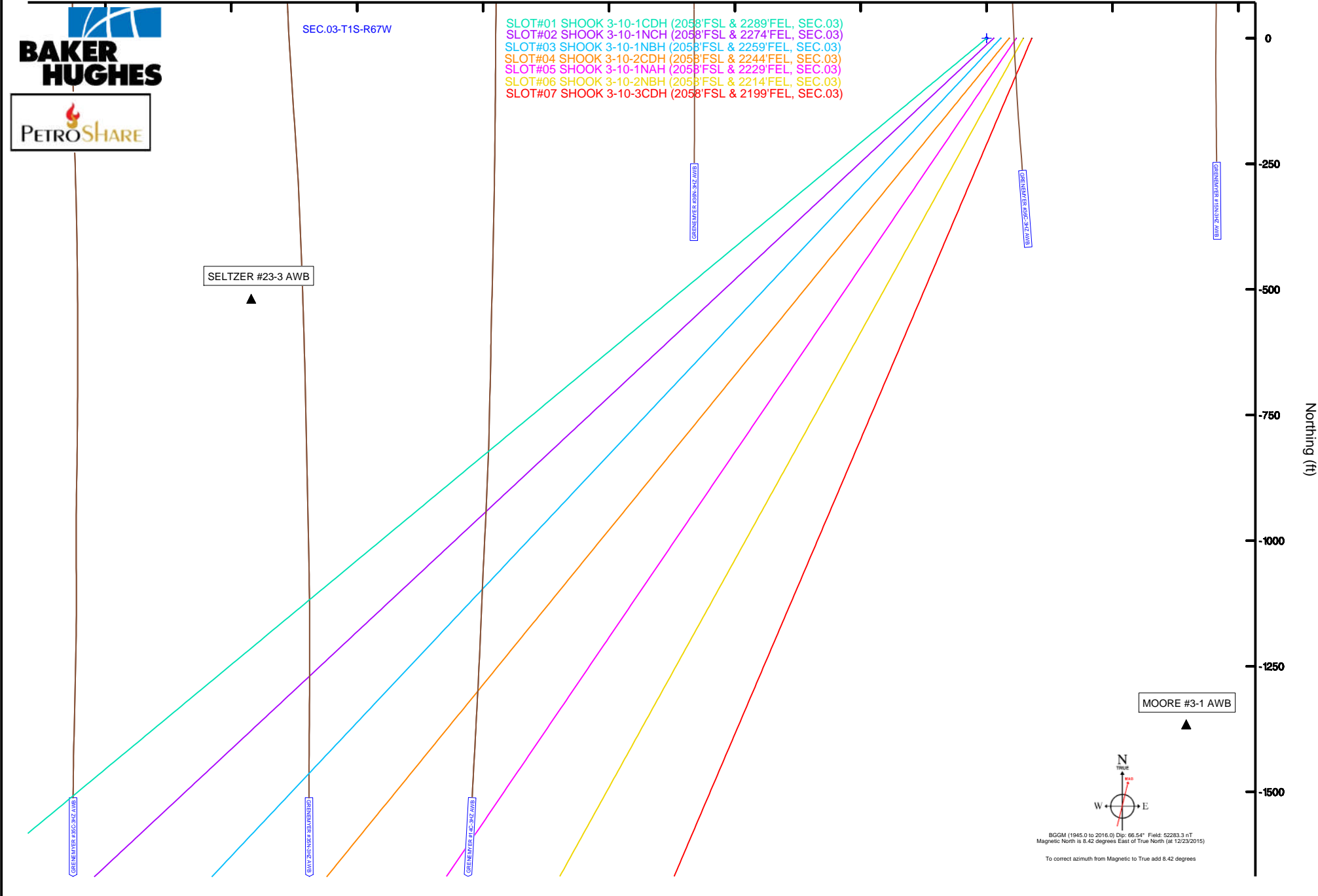
Hole and Casing Sections										
Name	Start MD (ft)	End MD (ft)	Interval (ft)	Start TVD (ft)	End TVD (ft)	Start Local N (ft)	Start Local E (ft)	End Local N (ft)	End Local E (ft)	Wellbore
13.5in Open Hole	16.00	800.00	784.00	16.00	800.00	0.00	0.00	0.00	0.00	SHOCK-3-10-INBH PWB
9.025in Casing Surface	16.00	800.00	784.00	16.00	800.00	0.00	0.00	0.00	0.00	SHOCK-3-10-INBH PWB
8.5in Open Hole	800.00	12966.85	12166.85	800.00	7570.00	0.00	0.00	-6881.28	-1973.12	SHOCK-3-10-INBH PWB
5.5in Casing Production	16.00	12966.85	12950.85	16.00	7570.00	0.00	0.00	-6881.28	-1973.12	SHOCK-3-10-INBH PWB



PETROSHARE

Scale 1 inch = 250 -1750 -1500 -1250 -1000 -750

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: SLOTH01 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



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

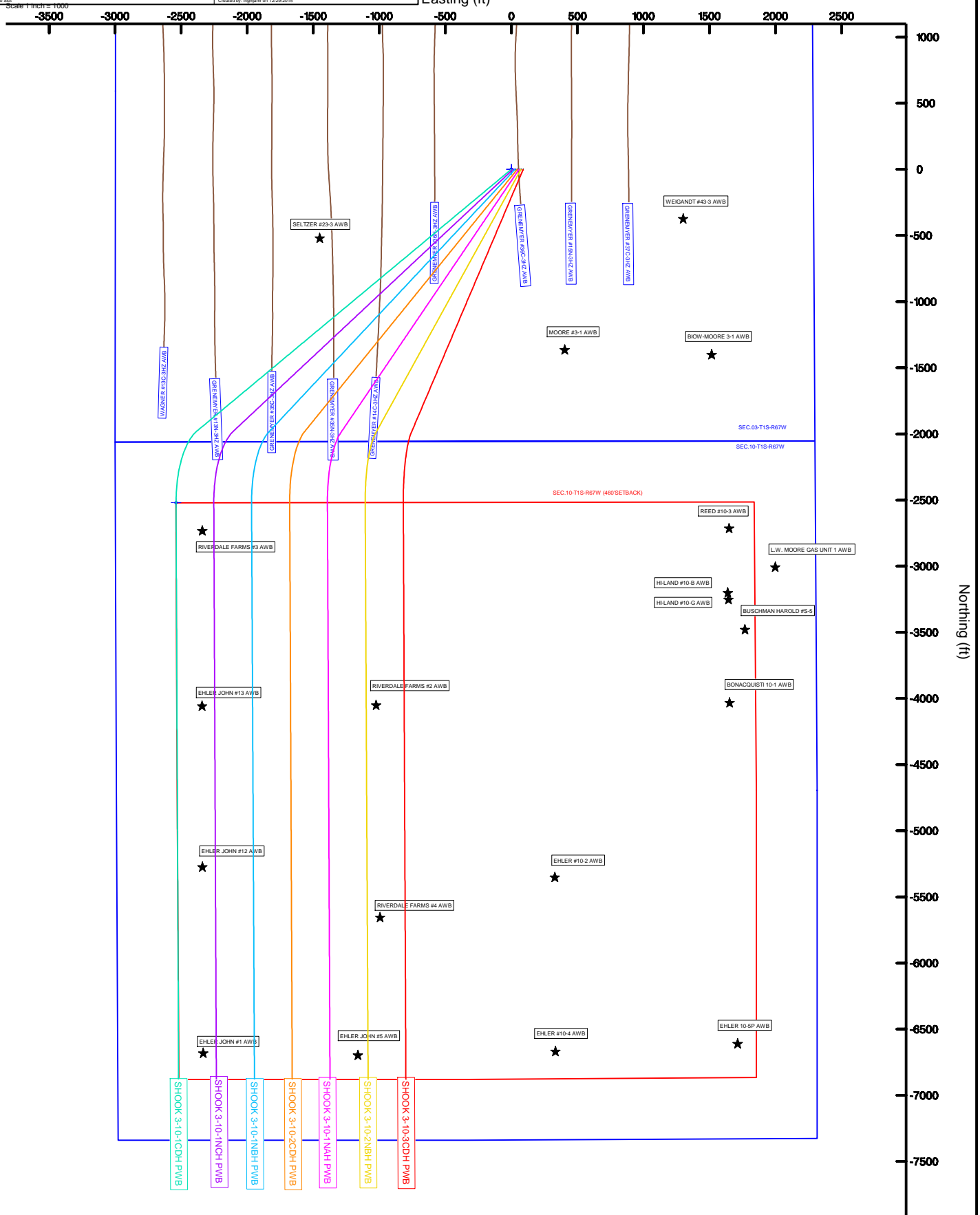


BGGM (1945.0 to 2016.0) Dip: 66.54° Field: 52283.3 nT
Magnetic North is 8.42 degrees East of True North (at 12/23/2015)

To correct azimuth from Magnetic to True add 8.42 degrees

Post reference depth is SHOOK 3-10-1CDH PWP (REV-A.5)	
True vertical depths are referenced to RIG (16K8) (RKB)	GHD System: NAD83 / Lambert Colorado SP, Northern Zone (501), US, least
Measured depths are referenced to RIG (16K8) (RKB)	North Reference: True north
RIG (16K8) (RKB) to Mean Sea Level: 5114 feet	Scale: True distance
Mean Sea Level to Mast line (At Site: SLO701 SHOOK 3-10-1CDH (2058F5 & 2289F6, SEC.03): 0 feet	Depth in feet
Coordinates are in feet referenced to Site	Created by: jingrui on 12/29/2015

Easting (ft)





Planned Wellpath Report

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

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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#03 SHOOK 3-10-1NBH (2058'FSL & 2259'FEL, SEC.03)
Area	COLORADO	Well	SHOOK 3-10-1NBH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	SHOOK 3-10-1NBH 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 8:27:25 AM
Convergence at slot	0.40° East	Database/Source file	WA_DEN_Denver_Defn/SHOOK_3-10-1NBH_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	28.02	3175506.77	1240632.67	39°59'31.992"N	104°52'24.960"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#03 SHOOK 3-10-1NBH (2058'FSL & 2259'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	196.00°



Planned Wellpath Report

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

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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#03 SHOOK 3-10-1NBH (2058'FSL & 2259'FEL, SEC.03)
Area	COLORADO	Well	SHOOK 3-10-1NBH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	SHOOK 3-10-1NBH PWB
Facility	SEC.03-T1S-R67W		

WELLPATH DATA (141 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	223.188	0.00	0.00	0.00	0.00	0.00	
16.00	0.000	223.188	16.00	0.00	0.00	0.00	0.00	Tie On
116.00†	0.000	223.188	116.00	0.00	0.00	0.00	0.00	
216.00†	0.000	223.188	216.00	0.00	0.00	0.00	0.00	
316.00†	0.000	223.188	316.00	0.00	0.00	0.00	0.00	
416.00†	0.000	223.188	416.00	0.00	0.00	0.00	0.00	
516.00†	0.000	223.188	516.00	0.00	0.00	0.00	0.00	
616.00†	0.000	223.188	616.00	0.00	0.00	0.00	0.00	
716.00†	0.000	223.188	716.00	0.00	0.00	0.00	0.00	
745.00†	0.000	223.188	745.00	0.00	0.00	0.00	0.00	FOX HILLS
816.00†	0.000	223.188	816.00	0.00	0.00	0.00	0.00	
916.00†	0.000	223.188	916.00	0.00	0.00	0.00	0.00	
1016.00†	0.000	223.188	1016.00	0.00	0.00	0.00	0.00	
1116.00†	0.000	223.188	1116.00	0.00	0.00	0.00	0.00	
1216.00†	0.000	223.188	1216.00	0.00	0.00	0.00	0.00	
1316.00†	0.000	223.188	1316.00	0.00	0.00	0.00	0.00	
1416.00†	0.000	223.188	1416.00	0.00	0.00	0.00	0.00	
1516.00†	0.000	223.188	1516.00	0.00	0.00	0.00	0.00	
1616.00†	0.000	223.188	1616.00	0.00	0.00	0.00	0.00	
1700.00	0.000	223.188	1700.00	0.00	0.00	0.00	0.00	End of Tangent
1716.00†	0.320	223.188	1716.00	0.04	-0.03	-0.03	2.00	
1816.00†	2.320	223.188	1815.97	2.09	-1.71	-1.61	2.00	
1916.00†	4.320	223.188	1915.80	7.24	-5.93	-5.57	2.00	
2016.00†	6.320	223.188	2015.36	15.49	-12.69	-11.92	2.00	
2116.00†	8.320	223.188	2114.54	26.82	-21.98	-20.64	2.00	
2216.00†	10.320	223.188	2213.21	41.22	-33.79	-31.72	2.00	
2316.00†	12.320	223.188	2311.26	58.68	-48.10	-45.15	2.00	
2416.00†	14.320	223.188	2408.57	79.18	-64.90	-60.92	2.00	
2516.00†	16.320	223.188	2505.01	102.68	-84.16	-79.00	2.00	
2616.00†	18.320	223.188	2600.47	129.16	-105.87	-99.37	2.00	
2716.00†	20.320	223.188	2694.84	158.58	-129.99	-122.02	2.00	
2816.00†	22.320	223.188	2787.99	190.92	-156.50	-146.90	2.00	
2916.00†	24.320	223.188	2879.81	226.13	-185.36	-173.99	2.00	
3016.00†	26.320	223.188	2970.20	264.17	-216.54	-203.26	2.00	
3116.00†	28.320	223.188	3059.04	305.00	-250.00	-234.67	2.00	
3186.58	29.732	223.188	3120.76	335.46	-274.97	-258.10	2.00	End of Build
3216.00†	29.732	223.188	3146.30	348.44	-285.61	-268.09	0.00	
3316.00†	29.732	223.188	3233.14	392.55	-321.77	-302.03	0.00	
3416.00†	29.732	223.188	3319.98	436.66	-357.92	-335.97	0.00	
3516.00†	29.732	223.188	3406.81	480.78	-394.08	-369.91	0.00	
3616.00†	29.732	223.188	3493.65	524.89	-430.24	-403.85	0.00	
3716.00†	29.732	223.188	3580.48	569.01	-466.40	-437.80	0.00	
3816.00†	29.732	223.188	3667.32	613.12	-502.56	-471.74	0.00	
3916.00†	29.732	223.188	3754.15	657.23	-538.72	-505.68	0.00	
4016.00†	29.732	223.188	3840.99	701.35	-574.88	-539.62	0.00	



Planned Wellpath Report

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

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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#03 SHOOK 3-10-1NBH (2058'FSL & 2259'FEL, SEC.03)
Area	COLORADO	Well	SHOOK 3-10-1NBH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	SHOOK 3-10-1NBH PWB
Facility	SEC.03-T1S-R67W		

WELLPATH DATA (141 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
4116.00†	29.732	223.188	3927.83	745.46	-611.04	-573.56	0.00	
4216.00†	29.732	223.188	4014.66	789.58	-647.20	-607.50	0.00	
4316.00†	29.732	223.188	4101.50	833.69	-683.36	-641.45	0.00	
4416.00†	29.732	223.188	4188.33	877.80	-719.52	-675.39	0.00	
4516.00†	29.732	223.188	4275.17	921.92	-755.68	-709.33	0.00	
4616.00†	29.732	223.188	4362.01	966.03	-791.84	-743.27	0.00	
4716.00†	29.732	223.188	4448.84	1010.15	-828.00	-777.21	0.00	
4816.00†	29.732	223.188	4535.68	1054.26	-864.16	-811.15	0.00	
4916.00†	29.732	223.188	4622.51	1098.37	-900.32	-845.10	0.00	
5016.00†	29.732	223.188	4709.35	1142.49	-936.48	-879.04	0.00	
5116.00†	29.732	223.188	4796.18	1186.60	-972.63	-912.98	0.00	
5216.00†	29.732	223.188	4883.02	1230.72	-1008.79	-946.92	0.00	
5241.31†	29.732	223.188	4905.00	1241.88	-1017.95	-955.51	0.00	SUSSEX/SHANNON
5316.00†	29.732	223.188	4969.86	1274.83	-1044.95	-980.86	0.00	
5416.00†	29.732	223.188	5056.69	1318.95	-1081.11	-1014.80	0.00	
5516.00†	29.732	223.188	5143.53	1363.06	-1117.27	-1048.75	0.00	
5616.00†	29.732	223.188	5230.36	1407.17	-1153.43	-1082.69	0.00	
5716.00†	29.732	223.188	5317.20	1451.29	-1189.59	-1116.63	0.00	
5816.00†	29.732	223.188	5404.04	1495.40	-1225.75	-1150.57	0.00	
5916.00†	29.732	223.188	5490.87	1539.52	-1261.91	-1184.51	0.00	
6016.00†	29.732	223.188	5577.71	1583.63	-1298.07	-1218.45	0.00	
6116.00†	29.732	223.188	5664.54	1627.74	-1334.23	-1252.40	0.00	
6216.00†	29.732	223.188	5751.38	1671.86	-1370.39	-1286.34	0.00	
6316.00†	29.732	223.188	5838.21	1715.97	-1406.55	-1320.28	0.00	
6416.00†	29.732	223.188	5925.05	1760.09	-1442.71	-1354.22	0.00	
6516.00†	29.732	223.188	6011.89	1804.20	-1478.87	-1388.16	0.00	
6616.00†	29.732	223.188	6098.72	1848.31	-1515.03	-1422.10	0.00	
6716.00†	29.732	223.188	6185.56	1892.43	-1551.18	-1456.04	0.00	
6816.00†	29.732	223.188	6272.39	1936.54	-1587.34	-1489.99	0.00	
6916.00†	29.732	223.188	6359.23	1980.66	-1623.50	-1523.93	0.00	
7016.00†	29.732	223.188	6446.07	2024.77	-1659.66	-1557.87	0.00	
7116.00†	29.732	223.188	6532.90	2068.88	-1695.82	-1591.81	0.00	
7216.00†	29.732	223.188	6619.74	2113.00	-1731.98	-1625.75	0.00	
7316.00†	29.732	223.188	6706.57	2157.11	-1768.14	-1659.69	0.00	
7416.00†	29.732	223.188	6793.41	2201.23	-1804.30	-1693.64	0.00	
7516.00†	29.732	223.188	6880.25	2245.34	-1840.46	-1727.58	0.00	
7616.00†	29.732	223.188	6967.08	2289.45	-1876.62	-1761.52	0.00	
7716.00†	29.732	223.188	7053.92	2333.57	-1912.78	-1795.46	0.00	
7816.00†	29.732	223.188	7140.75	2377.68	-1948.94	-1829.40	0.00	
7916.00†	29.732	223.188	7227.59	2421.80	-1985.10	-1863.34	0.00	
7917.22	29.732	223.188	7228.64	2422.33	-1985.54	-1863.76	0.00	End of Tangent
8016.00†	37.058	211.069	7311.15	2472.99	-2029.00	-1895.96	10.00	
8116.00†	45.353	202.550	7386.38	2537.59	-2087.81	-1925.23	10.00	
8134.21†	46.922	201.268	7399.00	2550.65	-2099.99	-1930.12	10.00	NIOBRARA A CHALK
8184.64†	51.335	198.037	7432.00	2588.69	-2135.90	-1942.91	10.00	NIOBRARA A MARL



Planned Wellpath Report

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

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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#03 SHOOK 3-10-1NBH (2058'FSL & 2259'FEL, SEC.03)
Area	COLORADO	Well	SHOOK 3-10-1NBH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	SHOOK 3-10-1NBH PWB
Facility	SEC.03-T1S-R67W		

WELLPATH DATA (141 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
8216.00†	54.120	196.224	7450.99	2613.63	-2159.75	-1950.25	10.00	
8316.00†	63.151	191.184	7503.01	2698.82	-2242.62	-1970.27	10.00	
8416.00†	72.334	186.900	7540.86	2790.54	-2333.91	-1984.69	10.00	
8516.00†	81.601	183.036	7563.39	2886.03	-2430.85	-1993.05	10.00	
8606.29	90.000	179.710	7570.00 [†]	2973.07	-2520.78	-1995.19	10.00	End of 3D Arc
8616.00†	90.000	179.710	7570.00	2982.39	-2530.49	-1995.14	0.00	
8716.00†	90.000	179.710	7570.00	3078.37	-2630.49	-1994.64	0.00	
8816.00†	90.000	179.710	7570.00	3174.36	-2730.48	-1994.13	0.00	
8916.00†	90.000	179.710	7570.00	3270.34	-2830.48	-1993.63	0.00	
9016.00†	90.000	179.710	7570.00	3366.33	-2930.48	-1993.12	0.00	
9116.00†	90.000	179.710	7570.00	3462.32	-3030.48	-1992.61	0.00	
9216.00†	90.000	179.710	7570.00	3558.30	-3130.48	-1992.11	0.00	
9316.00†	90.000	179.710	7570.00	3654.29	-3230.48	-1991.60	0.00	
9416.00†	90.000	179.710	7570.00	3750.27	-3330.48	-1991.09	0.00	
9516.00†	90.000	179.710	7570.00	3846.26	-3430.48	-1990.59	0.00	
9616.00†	90.000	179.710	7570.00	3942.24	-3530.47	-1990.08	0.00	
9716.00†	90.000	179.710	7570.00	4038.23	-3630.47	-1989.58	0.00	
9816.00†	90.000	179.710	7570.00	4134.21	-3730.47	-1989.07	0.00	
9916.00†	90.000	179.710	7570.00	4230.20	-3830.47	-1988.56	0.00	
10016.00†	90.000	179.710	7570.00	4326.19	-3930.47	-1988.06	0.00	
10116.00†	90.000	179.710	7570.00	4422.17	-4030.47	-1987.55	0.00	
10216.00†	90.000	179.710	7570.00	4518.16	-4130.47	-1987.05	0.00	
10316.00†	90.000	179.710	7570.00	4614.14	-4230.47	-1986.54	0.00	
10416.00†	90.000	179.710	7570.00	4710.13	-4330.46	-1986.03	0.00	
10516.00†	90.000	179.710	7570.00	4806.11	-4430.46	-1985.53	0.00	
10616.00†	90.000	179.710	7570.00	4902.10	-4530.46	-1985.02	0.00	
10716.00†	90.000	179.710	7570.00	4998.09	-4630.46	-1984.51	0.00	
10816.00†	90.000	179.710	7570.00	5094.07	-4730.46	-1984.01	0.00	
10916.00†	90.000	179.710	7570.00	5190.06	-4830.46	-1983.50	0.00	
11016.00†	90.000	179.710	7570.00	5286.04	-4930.46	-1983.00	0.00	
11116.00†	90.000	179.710	7570.00	5382.03	-5030.45	-1982.49	0.00	
11216.00†	90.000	179.710	7570.00	5478.01	-5130.45	-1981.98	0.00	
11316.00†	90.000	179.710	7570.00	5574.00	-5230.45	-1981.48	0.00	
11416.00†	90.000	179.710	7570.00	5669.99	-5330.45	-1980.97	0.00	
11516.00†	90.000	179.710	7570.00	5765.97	-5430.45	-1980.47	0.00	
11616.00†	90.000	179.710	7570.00	5861.96	-5530.45	-1979.96	0.00	
11716.00†	90.000	179.710	7570.00	5957.94	-5630.45	-1979.45	0.00	
11816.00†	90.000	179.710	7570.00	6053.93	-5730.45	-1978.95	0.00	
11916.00†	90.000	179.710	7570.00	6149.91	-5830.44	-1978.44	0.00	
12016.00†	90.000	179.710	7570.00	6245.90	-5930.44	-1977.93	0.00	
12116.00†	90.000	179.710	7570.00	6341.88	-6030.44	-1977.43	0.00	
12216.00†	90.000	179.710	7570.00	6437.87	-6130.44	-1976.92	0.00	
12316.00†	90.000	179.710	7570.00	6533.86	-6230.44	-1976.42	0.00	
12416.00†	90.000	179.710	7570.00	6629.84	-6330.44	-1975.91	0.00	
12516.00†	90.000	179.710	7570.00	6725.83	-6430.44	-1975.40	0.00	



Planned Wellpath Report

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

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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#03 SHOOK 3-10-1NBH (2058'FSL & 2259'FEL, SEC.03)
Area	COLORADO	Well	SHOOK 3-10-1NBH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	SHOOK 3-10-1NBH PWB
Facility	SEC.03-T1S-R67W		

WELLPATH DATA (141 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
12616.00†	90.000	179.710	7570.00	6821.81	-6530.44	-1974.90	0.00	
12716.00†	90.000	179.710	7570.00	6917.80	-6630.43	-1974.39	0.00	
12816.00†	90.000	179.710	7570.00	7013.78	-6730.43	-1973.89	0.00	
12916.00†	90.000	179.710	7570.00	7109.77	-6830.43	-1973.38	0.00	
12966.85†	90.000	179.710	7570.00	7158.58	-6881.28	-1973.12	0.00	NIOBRARA B CHALK
12966.85	90.000	179.710	7570.00 ²	7158.58	-6881.29	-1973.12	0.00	End of Tangent

HOLE & CASING SECTIONS - Ref Wellbore: SHOOK 3-10-1NBH PWB Ref Wellpath: SHOOK 3-10-1NBH 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]
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	12966.85	12166.85	800.00	7570.00	0.00	0.00	-6881.28	-1973.12
5.5in Casing Production	16.00	12966.85	12950.85	16.00	7570.00	0.00	0.00	-6881.28	-1973.12

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	-28.02	3175478.75	1240632.48	39°59'31.992"N	104°52'25.320"W	polygon
SEC.10-T1S-R67W		0.00	0.00	-28.02	3175478.75	1240632.48	39°59'31.992"N	104°52'25.320"W	polygon
2) SHOOK 3-10-1NBH BHL ON PLAT (460'FSL & 1034'FWL, SEC.10)	12966.85	7570.00	-6881.29	-1973.12	3173582.37	1233737.86	39°58'23.988"N	104°52'50.304"W	point
1) SHOOK 3-10-1NBH LP ON PLAT (460'FNL & 1034'FWL, SEC.10)	8606.29	7570.00	-2520.78	-1995.19	3173529.50	1238097.95	39°59'07.080"N	104°52'50.592"W	point
SEC.10-T1S-R67W (460'SETBACK)		7841.00	0.00	-28.02	3175478.75	1240632.48	39°59'31.992"N	104°52'25.320"W	polygon

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

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
16.00	12966.85	Custom NaviTrak (Standard) (Rockies 0.03Gt model)		SHOOK 3-10-1NBH PWB



Planned Wellpath Report

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

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REFERENCE WELLPATH IDENTIFICATION

Operator	PETROSHARE	Slot	SLOT#03 SHOOK 3-10-1NBH (2058'FSL & 2259'FEL, SEC.03)
Area	COLORADO	Well	SHOOK 3-10-1NBH
Field	ADAMS COUNTY (NAD83/ TRUE NORTH)	Wellbore	SHOOK 3-10-1NBH PWB
Facility	SEC.03-T1S-R67W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
745.00	0.000	223.188	745.00	FOX HILLS
5241.31	29.732	223.188	4905.00	SUSSEX/SHANNON
8134.21	46.922	201.268	7399.00	NIOBRARA A CHALK
8184.64	51.335	198.037	7432.00	NIOBRARA A MARL
12966.85	90.000	179.710	7570.00	NIOBRARA B CHALK

DESIGN COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
16.00	0.000	223.188	16.00	Tie On
1700.00	0.000	223.188	1700.00	End of Tangent
3186.58	29.732	223.188	3120.76	End of Build
7917.22	29.732	223.188	7228.64	End of Tangent
8606.29	90.000	179.710	7570.00	End of 3D Arc
12966.85	90.000	179.710	7570.00	End of Tangent