



CNX GAS COMPANY, LLC

Location: Doddridge Co., WV
 Field: Doddridge
 Facility: OXFD-11 Pad

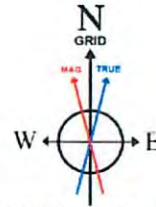
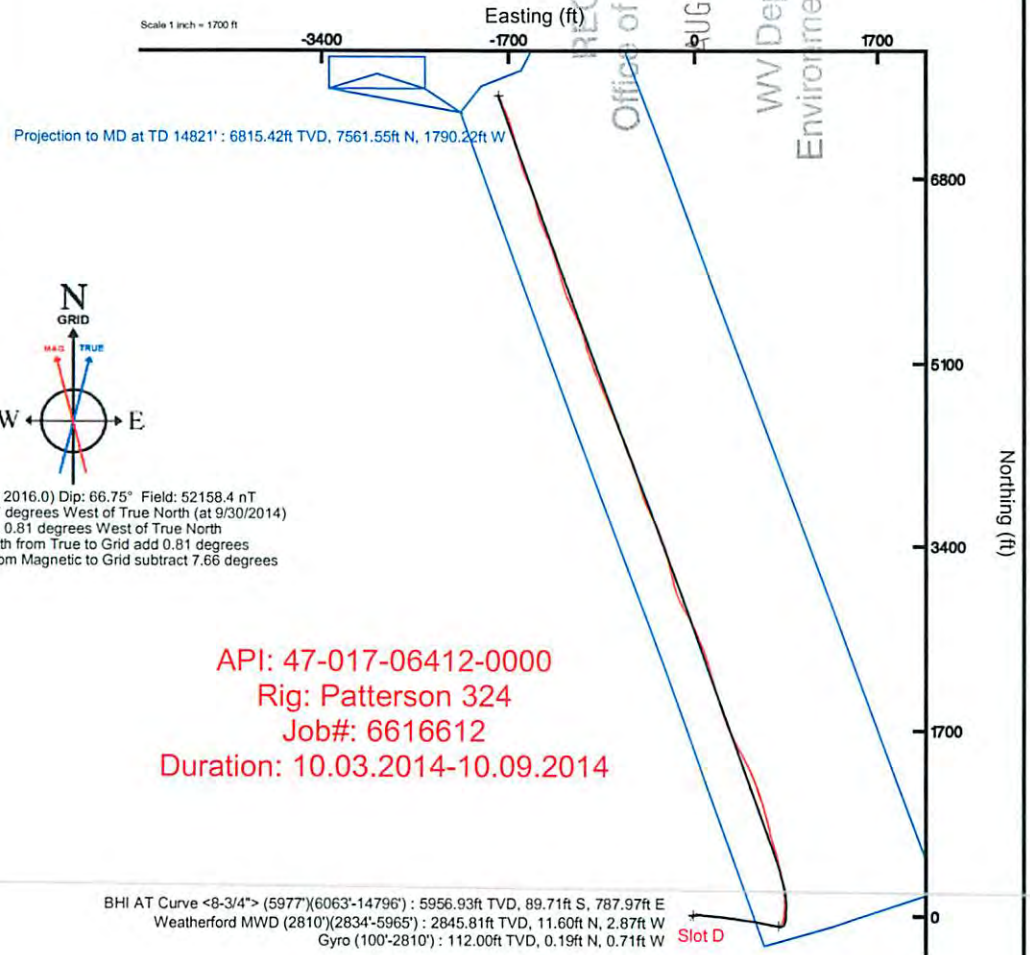
Slot: Slot D
 Well: OXFD-11D-HS
 Wellbore: OXFD-11D-HS PWB



Plot reference wellpath is OXFD-11D-HS PWP Rev-B 0	
True vertical depths are referenced to Patterson 324 (RKB)	Grid System: NAD27 / Lambert West Virginia SP, Northern Zone (4701), US feet
Measured depths are referenced to Patterson 324 (RKB)	North Reference: Grid north
Patterson 324 (RKB) to Mean Sea Level: 1332.49 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: Slot D): -1307.99 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: fulmyes on 10/5/2014

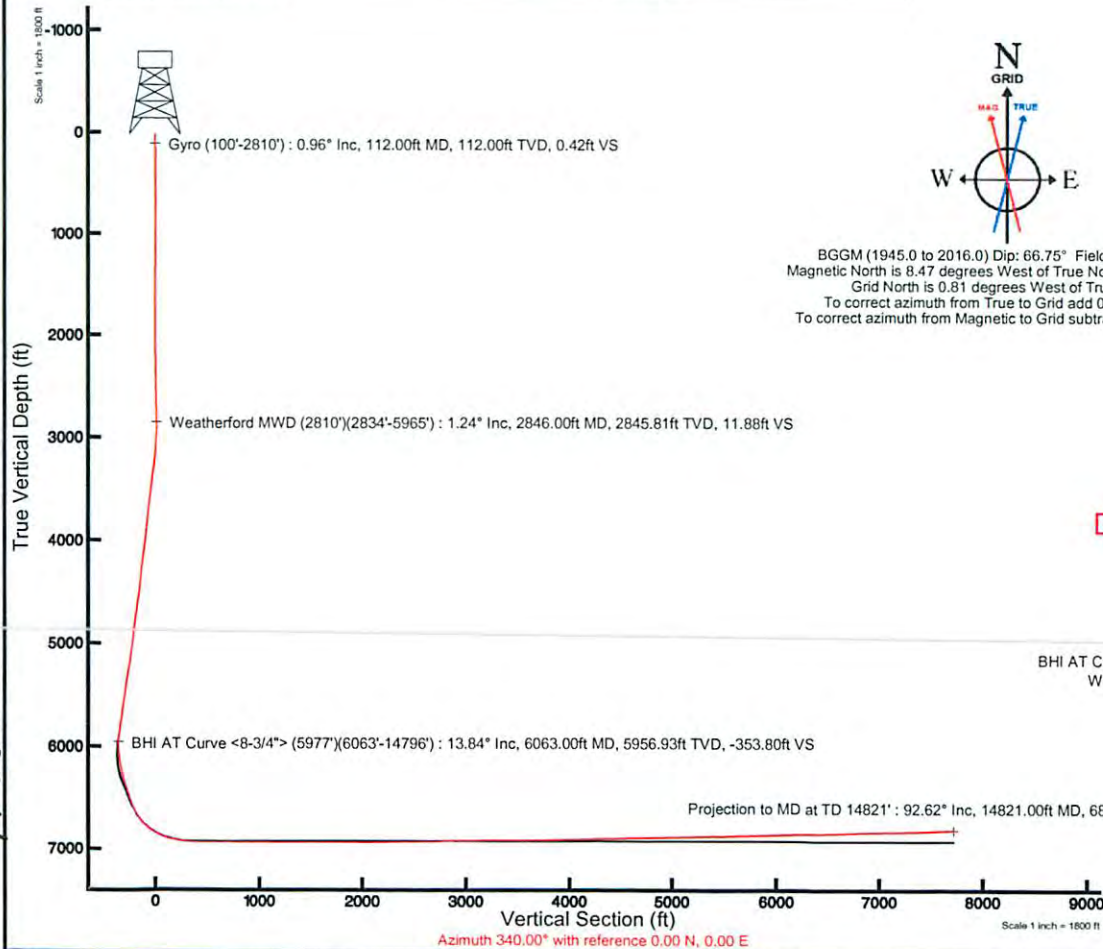
Location Information

Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude		
OXFD-11 Pad	1641688.000	246757.000	39°10'14.064"N	80°45'49.782"W		
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Slot D	45.00	40.00	1641728.000	246802.000	39°10'14.514"N	80°45'49.282"W
Patterson 324 (RKB) to Mud line (At Slot: Slot D)			24.5ft			
Mean Sea Level to Mud line (At Slot: Slot D)			-1307.99ft			
Patterson 324 (RKB) to Mean Sea Level			1332.49ft			



BGGM (1945.0 to 2016.0) Dip: 66.75° Field: 52158.4 nT
 Magnetic North is 8.47 degrees West of True North (at 9/30/2014)
 Grid North is 0.81 degrees West of True North
 To correct azimuth from True to Grid add 0.81 degrees
 To correct azimuth from Magnetic to Grid subtract 7.66 degrees

API: 47-017-06412-0000
 Rig: Patterson 324
 Job#: 6616612
 Duration: 10.03.2014-10.09.2014



17-06412

17.06412

ACTUAL WELLPATH REPORT (CSV version)

Prepared by Baker Hughes
Software System: WellArchitect® 4.0.1

REFERENCE WELLPATH IDENTIFICATION

Operator CNX GAS COMPANY, LLC
Area Doddridge Co., WV
Field Doddridge
Facility OXFD-11 Pad
Slot Slot D
Well OXFD-11D-HS
Wellbore OXFD-11D-HS AWB
Wellpath OXFD-11D-HS AWP Proj: 14821'
Sidetrack (none)

REPORT SETUP INFORMATION

Projection NAD27 / Lambert West Virginia SP, Northern Zone (4701), US feet
North Refe Grid
Scale 0.999972
Convergen 0.81° West
Software S WellArchitect® 4.0.1
User Hareluk
Report Ger 13/Oct/2014 at 10:57:22 AM
DataBase/! WellArchitectEasternDB/ev1415.xml

Table with columns: WELLPATH, Local North [ft], Local East [ft], Easting [US ft], Northing [US ft], Latitude, Longitude. Includes Slot Location, Facility Ref, and Field Refer data.

WELLPATH DATUM

Calculation Minimum curvature
Horizontal Slot
Vertical Re Patterson 324 (RKB)
MD Refere Patterson 324 (RKB)
Field Vertic Mean Sea Level
Patterson : 1332.49ft
Patterson : 1332.49ft
Patterson : 24.50ft
Section Ori N 0.00, E 0.00 ft
Section Azi 340.00°

WELLPATH DATA † = interpolated/extrapolated station

Main data table with columns: †, MD [ft], Course Len [ft], Inclination [°], Azimuth [°], TVD [ft], Vert Sect [ft], North [ft], East [ft], Grid East [US ft], Grid North [US ft], Latitude, Longitude, Closure [ft], Dis [ft], Dir [°], DLS [1/100ft]. Contains 3543 rows of well path data.

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Office of Oil and Gas
AUG 27 2015
West Virginia Department of Environmental Protection

17-06412

3575	32	15.83	98.38	3556.44	-46.62	2.37	142.85	1641871	246804.4	39°10'14.5: 80°45'47.4	142.87	89.047	1.98
3606	31	15.6	97.92	3586.28	-50.59	1.18	151.16	1641879	246803.2	39°10'14.5: 80°45'47.3	151.16	89.551	0.84
3669	63	14.95	97.39	3647.05	-58.29	-1.03	167.61	1641896	246801	39°10'14.5: 80°45'47.1	167.61	90.351	1.06
3732	63	14.49	95.15	3707.98	-65.38	-2.78	183.52	1641912	246799.2	39°10'14.5: 80°45'46.9	183.54	90.868	1.16
3795	63	13.61	94.6	3769.1	-71.81	-4.08	198.75	1641927	246797.9	39°10'14.5: 80°45'46.7	198.8	91.177	1.41
3858	63	14.52	93.32	3830.21	-78.03	-5.13	214.03	1641942	246796.9	39°10'14.4: 80°45'46.5	214.09	91.374	1.53
3921	63	14.5	93.84	3891.2	-84.34	-6.12	229.78	1641958	246795.9	39°10'14.4: 80°45'46.3	229.86	91.526	0.21
3985	64	14.19	94.8	3953.2	-90.87	-7.31	245.59	1641974	246794.7	39°10'14.4: 80°45'46.1	245.7	91.706	0.61
4048	63	14.04	96.39	4014.3	-97.51	-8.81	260.88	1641989	246793.2	39°10'14.4: 80°45'45.9	261.03	91.934	0.66
4114	66	15.43	99.21	4078.13	-105.35	-11.11	277.51	1642006	246790.9	39°10'14.4: 80°45'45.7	277.73	92.292	2.37
4177	63	15.57	98.63	4138.84	-113.49	-13.72	294.14	1642022	246788.3	39°10'14.4: 80°45'45.5	294.46	92.67	0.33
4240	63	14.69	99.83	4199.66	-121.52	-16.35	310.37	1642038	246785.7	39°10'14.3: 80°45'45.3	310.8	93.015	1.48
4303	63	13.9	98.32	4260.7	-129.08	-18.81	325.73	1642054	246783.2	39°10'14.3: 80°45'45.1	326.27	93.305	1.39
4366	63	13.82	95.91	4321.87	-135.96	-20.68	340.7	1642069	246781.3	39°10'14.3: 80°45'44.9	341.33	93.473	0.93
4429	63	14.04	92.42	4383.02	-142.16	-21.77	355.82	1642084	246780.2	39°10'14.3: 80°45'44.7	356.48	93.502	1.38
4492	63	14.01	95.58	4444.14	-148.37	-22.84	371.04	1642099	246779.2	39°10'14.3: 80°45'44.5	371.75	93.522	1.22
4556	64	15.42	102.07	4506.05	-156.23	-25.37	387.08	1642115	246776.6	39°10'14.3: 80°45'44.3	387.91	93.75	3.39
4619	63	14.86	101.53	4566.86	-164.9	-28.74	403.18	1642131	246773.3	39°10'14.2: 80°45'44.1	404.21	94.077	0.92
4681	62	14.44	100.44	4626.84	-172.98	-31.73	418.58	1642147	246770.3	39°10'14.2: 80°45'43.9	419.78	94.335	0.81
4776	95	15.74	98.33	4718.57	-185.09	-35.74	442.97	1642171	246766.3	39°10'14.2: 80°45'43.6	444.41	94.613	1.49
4839	63	15.27	96.97	4779.27	-192.91	-37.99	459.66	1642188	246764	39°10'14.2: 80°45'43.4	461.23	94.724	0.94
4902	63	14.62	96.9	4840.14	-200.27	-39.95	475.79	1642204	246762.1	39°10'14.1: 80°45'43.2	477.47	94.799	1.03
4965	63	14.19	95.96	4901.16	-207.25	-41.7	491.37	1642219	246760.3	39°10'14.1: 80°45'43.0	493.13	94.851	0.78
5028	63	14.87	96.85	4962.15	-214.28	-43.47	507.07	1642235	246758.5	39°10'14.1: 80°45'42.8	508.93	94.9	1.14
5126	98	15.83	97.62	5056.65	-226.15	-46.74	532.81	1642261	246755.3	39°10'14.1: 80°45'42.5	534.85	95.014	1
5220	94	17.86	96.73	5146.61	-238.58	-50.13	559.83	1642288	246751.9	39°10'14.0: 80°45'42.1	562.07	95.117	2.18
5315	95	17.82	102.11	5237.05	-252.86	-54.89	588.51	1642317	246747.1	39°10'14.0: 80°45'41.8	591.07	95.328	1.73
5409	94	17.42	101.5	5326.64	-267.86	-60.71	616.37	1642344	246741.3	39°10'14.0: 80°45'41.4	619.35	95.626	0.47
5504	95	16.38	98.15	5417.54	-281.61	-65.45	643.56	1642372	246736.6	39°10'13.9: 80°45'41.1	646.88	95.807	1.5
5599	95	16.02	101.43	5508.77	-294.77	-69.94	669.67	1642398	246732.1	39°10'13.9: 80°45'40.7	673.31	95.963	1.03
5693	94	15.26	101.55	5599.29	-308	-74.99	694.51	1642422	246727	39°10'13.8: 80°45'40.4	698.54	96.163	0.81
5788	95	14.05	100.28	5691.19	-320.36	-79.55	718.1	1642446	246722.5	39°10'13.8: 80°45'40.1	722.49	96.322	1.32
5882	94	15.44	99.13	5782.1	-332.2	-83.57	741.68	1642470	246718.4	39°10'13.7: 80°45'39.8	746.38	96.429	1.51
5977	95	15.35	101.03	5873.69	-344.84	-87.99	766.51	1642494	246714	39°10'13.7: 80°45'39.5	771.54	96.548	0.54
6063	86	13.84	87.46	5956.93	-353.8	-89.71	787.97	1642516	246712.3	39°10'13.7: 80°45'39.2	793.06	96.495	4.33
6112	49	13.2	59.8	6004.63	-354.57	-86.63	798.67	1642527	246715.4	39°10'13.7: 80°45'39.1	803.35	96.191	13.14
6157	45	12.51	40.78	6048.52	-351.28	-80.35	806.3	1642534	246721.7	39°10'13.8: 80°45'39.0	810.29	95.691	9.48
6206	49	12.93	41.16	6096.32	-346.04	-72.21	813.37	1642541	246729.8	39°10'13.9: 80°45'38.9	816.57	95.073	0.87
6252	46	13.95	37.6	6141.06	-340.59	-63.94	820.14	1642548	246738.1	39°10'13.9: 80°45'38.8	822.63	94.458	2.85
6301	49	14.83	23	6188.53	-332.84	-53.48	826.2	1642554	246748.5	39°10'14.1: 80°45'38.7	827.93	93.704	7.6
6346	45	15.51	16	6231.97	-323.75	-42.4	830.11	1642558	246759.6	39°10'14.2: 80°45'38.7	831.19	92.924	4.34
6395	49	16.48	16	6279.07	-312.83	-29.42	833.83	1642562	246772.6	39°10'14.3: 80°45'38.6	834.35	92.021	1.98
6439	44	17.66	12.31	6321.13	-302.14	-16.9	836.97	1642565	246785.1	39°10'14.4: 80°45'38.6	837.14	91.157	3.64
6489	50	20.4	5.37	6368.4	-287.85	-0.81	839.4	1642567	246801.2	39°10'14.6: 80°45'38.6	839.4	90.055	7.1
6531	42	20.42	2.43	6407.77	-274.47	13.8	840.4	1642568	246815.8	39°10'14.7: 80°45'38.6	840.51	89.059	2.44
6582	51	19.94	3.04	6455.64	-258.24	31.37	841.24	1642569	246833.4	39°10'14.9: 80°45'38.6	841.82	87.864	1.03
6633	51	19.36	4.55	6503.67	-242.55	48.48	842.37	1642570	246850.5	39°10'15.1: 80°45'38.5	843.76	86.706	1.51
6677	44	20.33	4.29	6545.05	-228.95	63.38	843.52	1642572	246865.4	39°10'15.2: 80°45'38.5	845.9	85.703	2.21
6727	50	24.91	2.68	6591.19	-211.3	82.57	844.66	1642573	246884.6	39°10'15.4: 80°45'38.5	848.69	84.417	9.24
6771	44	29.05	0.45	6630.4	-192.74	102.51	845.18	1642573	246904.5	39°10'15.6: 80°45'38.5	851.38	83.084	9.68
6821	50	34.38	358.41	6672.92	-167.95	128.78	844.88	1642573	246930.8	39°10'15.9: 80°45'38.5	854.64	81.333	10.87
6865	44	39.49	357.91	6708.08	-142.83	155.2	844.03	1642572	246957.2	39°10'16.1: 80°45'38.5	858.18	79.581	11.63
6916	51	42.96	356.08	6746.43	-110.69	188.76	842.25	1642570	246990.8	39°10'16.4: 80°45'38.6	863.14	77.368	7.2
6960	44	47.34	353.25	6777.46	-80.52	219.8	839.32	1642567	247021.8	39°10'16.8: 80°45'38.6	867.62	75.325	10.95
7011	51	53.81	350.98	6809.83	-42.02	258.79	833.88	1642562	247060.8	39°10'17.1: 80°45'38.7	873.12	72.759	13.14
7055	44	58.03	350.16	6834.48	-6.2	294.73	827.91	1642556	247096.7	39°10'17.5: 80°45'38.8	878.81	70.404	9.71
7106	51	63.04	349.95	6859.56	37.5	338.45	820.24	1642548	247140.4	39°10'17.9: 80°45'38.9	887.32	67.578	9.83
7150	44	66.15	349.01	6878.43	76.7	377.53	812.98	1642541	247179.5	39°10'18.3: 80°45'39.0	896.36	65.091	7.33
7196	46	72.08	348.38	6894.83	119.17	419.65	804.55	1642533	247221.6	39°10'18.7: 80°45'39.1	907.42	62.454	12.95
7244	48	76.71	346.69	6907.74	164.99	464.77	794.57	1642523	247266.8	39°10'19.2: 80°45'39.2	920.52	59.675	10.22
7287	43	80.51	344.94	6916.23	206.91	505.63	784.24	1642512	247307.6	39°10'19.6: 80°45'39.4	933.11	57.188	9.7
7339	52	82.81	344.22	6923.77	258.2	555.23	770.56	1642499	247357.2	39°10'20.1: 80°45'39.5	949.76	54.225	4.63
7385	46	83.86	343.25	6929.11	303.79	599.09	757.76	1642486	247401.1	39°10'20.5: 80°45'39.7	965.98	51.67	3.1
7434	49	89.01	342.78	6932.15	352.61	645.84	743.48	1642471	247447.8	39°10'21.0: 80°45'39.9	984.82	49.02	10.55
7530	96	90.52	345.16	6932.55	448.37	738.1	716.97	1642445	247540.1	39°10'21.9: 80°45'40.3	1029	44.168	2.94
7625	95	91.2	346.95	6931.12	542.82	830.28	694.08	1642422	247632.3	39°10'22.8: 80°45'40.6	1082.18	39.69	4.04
7719	94	90.46	344.02	6929.76	636.37	921.26	670.53	1642399	247723.2	39°10'23.7: 80°45'40.9	1139.45	36.048	3.21
7815	96	89.63	343.9	6929.68	732.14	1013.53	644	1642372	247815.5	39°10'24.6: 80°45'41.2	1200.82	32.43	0.84
7910	95	88.86	340.09	6930.94	827.06	1103.85	614.65	1642343	247905.8	39°10'25.5: 80°45'41.6	1263.44	29.11	4.09
8005	95	88.89	341.22	6932.8	922.03	1193.47	583.19	1642311	247995.4	39°10'26.3: 80°45'42.0	1328.33	26.042	1.19
8100	95	88.98	336.61	6934.57	1016.97	1282.07	549.02	1642277	248084	39°10'27.2: 80°45'42.5	1394.68	22.882	7.405
8194	94	89.6	332.44	6935.73	1110.51	1366.9	508.6	1642237	248168.9	39°10'28.0: 80°45'43.0	1458.46	20.41	4.48
8289	95	89.48	332.11	6936.5	1204.65	1450.99	464.41	1642192	248253	39°10'28.9: 80°45'43.6	1523.5	17.748	0.37
8384	95	89.54	330.51	6937.31	1298.55	1534.32	418.81	1642147</					

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11043	95	91.14	345.25	6911.56	3947.09	4015.26	-508.68	1641219	250817.1	39°10'54.1	80°45'56.4	4047.35	352.78	0.87
11137	94	90.99	342.81	6909.81	4040.83	4105.61	-534.54	1641193	250907.5	39°10'55.0	80°45'56.8	4140.26	352.582	2.6
11232	95	91.11	339.92	6908.07	4135.78	4195.6	-564.89	1641163	250997.5	39°10'55.9	80°45'57.2	4233.46	352.332	3.04
11327	95	91.69	338.6	6905.75	4230.74	4284.42	-598.52	1641130	251086.3	39°10'56.7	80°45'57.6	4326.02	352.047	1.52
11423	96	91.57	337.71	6903.02	4326.65	4373.49	-634.23	1641094	251175.4	39°10'57.6	80°45'58.1	4419.24	351.749	0.94
11518	95	91.48	337.95	6900.49	4421.55	4461.43	-670.06	1641058	251263.3	39°10'58.5	80°45'58.5	4511.47	351.459	0.27
11613	95	91.63	337.57	6897.91	4516.44	4549.33	-706	1641022	251351.2	39°10'59.3	80°45'59.0	4603.79	351.179	0.43
11708	95	91.05	337.62	6895.69	4611.33	4637.14	-742.2	1640986	251439	39°11'00.2	80°45'59.5	4696.16	350.907	0.61
11803	95	90.99	337.83	6894	4706.24	4725.03	-778.21	1640950	251526.9	39°11'01.1	80°46'00.0	4788.69	350.647	0.23
11898	95	90.83	337.22	6892.49	4801.14	4812.81	-814.52	1640914	251614.7	39°11'01.9	80°46'00.4	4881.25	350.394	0.66
11993	95	90.68	337.67	6891.24	4896.04	4900.53	-850.96	1640877	251702.4	39°11'02.8	80°46'00.9	4973.87	350.149	0.5
12089	96	91.23	338.09	6889.64	4991.96	4989.45	-887.1	1640841	251791.3	39°11'03.7	80°46'01.4	5067.7	349.918	0.72
12184	95	91.29	340.06	6887.55	5086.92	5078.16	-921.02	1640807	251880	39°11'04.5	80°46'01.8	5161.01	349.72	2.07
12279	95	91.11	341.68	6885.56	5181.88	5167.89	-952.14	1640776	251969.7	39°11'05.4	80°46'02.2	5254.87	349.561	1.72
12375	96	91.35	344.54	6883.5	5277.71	5259.72	-980.02	1640748	252061.6	39°11'06.3	80°46'02.6	5350.25	349.445	2.99
12469	94	91.11	345.3	6881.48	5371.34	5350.46	-1004.47	1640724	252152.3	39°11'07.2	80°46'02.9	5443.94	349.367	0.85
12564	95	91.17	338.43	6879.59	5466.22	5440.67	-1034.02	1640694	252242.5	39°11'08.1	80°46'03.3	5538.06	349.239	7.23
12659	95	91.51	335.26	6877.37	5561.03	5527.99	-1071.36	1640657	252329.8	39°11'08.9	80°46'03.8	5630.85	349.032	3.36
12754	95	91.54	334.72	6874.84	5655.64	5614.05	-1111.51	1640617	252415.9	39°11'09.8	80°46'04.4	5723.02	348.801	0.57
12849	95	91.54	337.77	6872.29	5750.39	5700.96	-1149.76	1640578	252502.8	39°11'10.6	80°46'04.9	5815.74	348.598	3.21
12944	95	91.82	343.41	6869.5	5845.3	5790.48	-1181.31	1640547	252592.3	39°11'11.5	80°46'05.3	5909.75	348.469	5.94
13039	95	91.66	343.71	6866.61	5940.08	5881.56	-1208.18	1640520	252683.4	39°11'12.4	80°46'05.6	6004.36	348.392	0.36
13134	95	91.57	342.57	6863.94	6034.89	5972.43	-1235.72	1640492	252774.3	39°11'13.3	80°46'06.0	6098.93	348.31	1.2
13229	95	91.51	341.67	6861.38	6129.79	6062.81	-1264.88	1640463	252864.6	39°11'14.2	80°46'06.4	6193.35	348.215	0.95
13324	95	91.63	339.95	6858.78	6224.75	6152.5	-1296.09	1640432	252954.3	39°11'15.1	80°46'06.8	6287.53	348.104	1.81
13419	95	91.6	337.57	6856.1	6319.68	6241	-1330.49	1640398	253042.8	39°11'16.0	80°46'07.2	6381.25	347.966	2.5
13513	94	91.54	336.62	6853.53	6413.52	6327.56	-1367.06	1640361	253129.4	39°11'16.8	80°46'07.7	6473.55	347.809	1.01
13608	95	91.6	340.4	6850.92	6508.44	6415.9	-1401.85	1640326	253217.7	39°11'17.7	80°46'08.2	6567.27	347.675	3.98
13702	94	91.82	345.73	6848.12	6602.23	6505.75	-1429.2	1640299	253307.6	39°11'18.6	80°46'08.6	6660.89	347.61	5.67
13797	95	91.66	346.07	6845.23	6696.68	6597.85	-1452.34	1640276	253399.7	39°11'19.5	80°46'08.9	6755.81	347.586	0.4
13892	95	91.48	338.37	6842.62	6791.5	6688.21	-1481.31	1640247	253490	39°11'20.4	80°46'09.2	6850.29	347.512	8.1
13986	94	91.6	334.19	6840.1	6885.25	6774.22	-1519.11	1640209	253576	39°11'21.2	80°46'09.7	6942.46	347.361	4.45
14081	95	91.23	338.23	6837.75	6979.99	6861.1	-1557.41	1640171	253662.9	39°11'22.1	80°46'10.2	7035.64	347.211	4.27
14176	95	91.2	345.02	6835.73	7074.88	6951.19	-1587.33	1640141	253753	39°11'22.9	80°46'10.6	7130.12	347.137	7.15
14271	95	91.32	344.9	6833.64	7169.5	7042.91	-1611.98	1640116	253844.7	39°11'23.8	80°46'11.0	7225.03	347.108	0.18
14366	95	91.45	346.43	6831.35	7264	7134.92	-1635.49	1640093	253936.7	39°11'24.8	80°46'11.3	7319.97	347.09	1.62
14460	94	91.6	345.06	6828.85	7357.5	7225.99	-1658.63	1640069	254027.8	39°11'25.6	80°46'11.6	7413.91	347.072	1.47
14555	95	91.75	339.06	6826.07	7452.35	7316.29	-1687.86	1640040	254118.1	39°11'26.5	80°46'12.0	7508.46	347.009	6.32
14650	95	92.12	337.19	6822.86	7547.24	7404.4	-1723.24	1640005	254206.2	39°11'27.4	80°46'12.4	7602.28	346.899	2.01
14745	95	92.65	336.55	6818.91	7642.02	7491.69	-1760.52	1639968	254293.5	39°11'28.3	80°46'12.9	7695.77	346.776	0.87
14796	51	92.62	337.18	6816.56	7692.89	7538.54	-1780.54	1639948	254340.3	39°11'28.7	80°46'13.2	7745.96	346.711	1.24
14821	25	92.62	337.18	6815.42	7717.83	7561.55	-1790.22	1639938	254363.3	39°11'28.9	80°46'13.3	7770.59	346.68	0

TARGETS

Name	MD	TVD	North	East	Grid East	Grid North	Latitude	Longitude	Shape	Comment
	[ft]	[ft]	[ft]	[ft]	[US ft]	[US ft]				
OXFD-11D-HS LP Plat		6870	897.03	629.02	1642357	247699	39°10'23.4	80°45'41.4	point	
OXFD-11D-HS BHL Rev		6925	7560.23	-1796.05	1639932	254362	39°11'28.9	80°46'13.4	point	
OXFD-11D-HS LP Rev-2		6925	597.1	738.32	1642466	247399.1	39°10'20.5	80°45'40.0	point	
OXFD-11-HS POINT TO		7000.07	3192.55	978.81	1642707	249994.5	39°10'46.2	80°45'37.4	point	

WELLPATH COMPOSITION Ref Wellbore: OXFD-11D-HS AWB Ref Wellpath: OXFD-11D-HS AWP Proj: 14821'

Log Name/	Start MD	End MD	Pos Unc	Model
	[ft]	[ft]		
01_Gyro (1	24.5	2822		Generic gyro - northseeking (Standard)
02_Weathr	2822	5977		ISCWSA MWD, Rev. 2 (Standard)
03_BHI AT	5977	14796		NavTrak (AT Curve Short Spaced)
Projection	14796	14821		Blind Drilling (std)

COMMENTS

Wellpath general comments
 API: 47-017-06412-0000
 Rig: Patterson 324
 Job#: 6616612
 Duration: 10.03.2014-10.09.2014
 Gyro (100'-2810')
 Weatherford MWD (2810')(2834'-5965')
 BHI AT Curve <8-3/4> (5977')(6063'-14796')
 Projection to MD AT TD 14821'

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AUG 27 2015

WV Department of
 Environmental Protection

10/09/2015