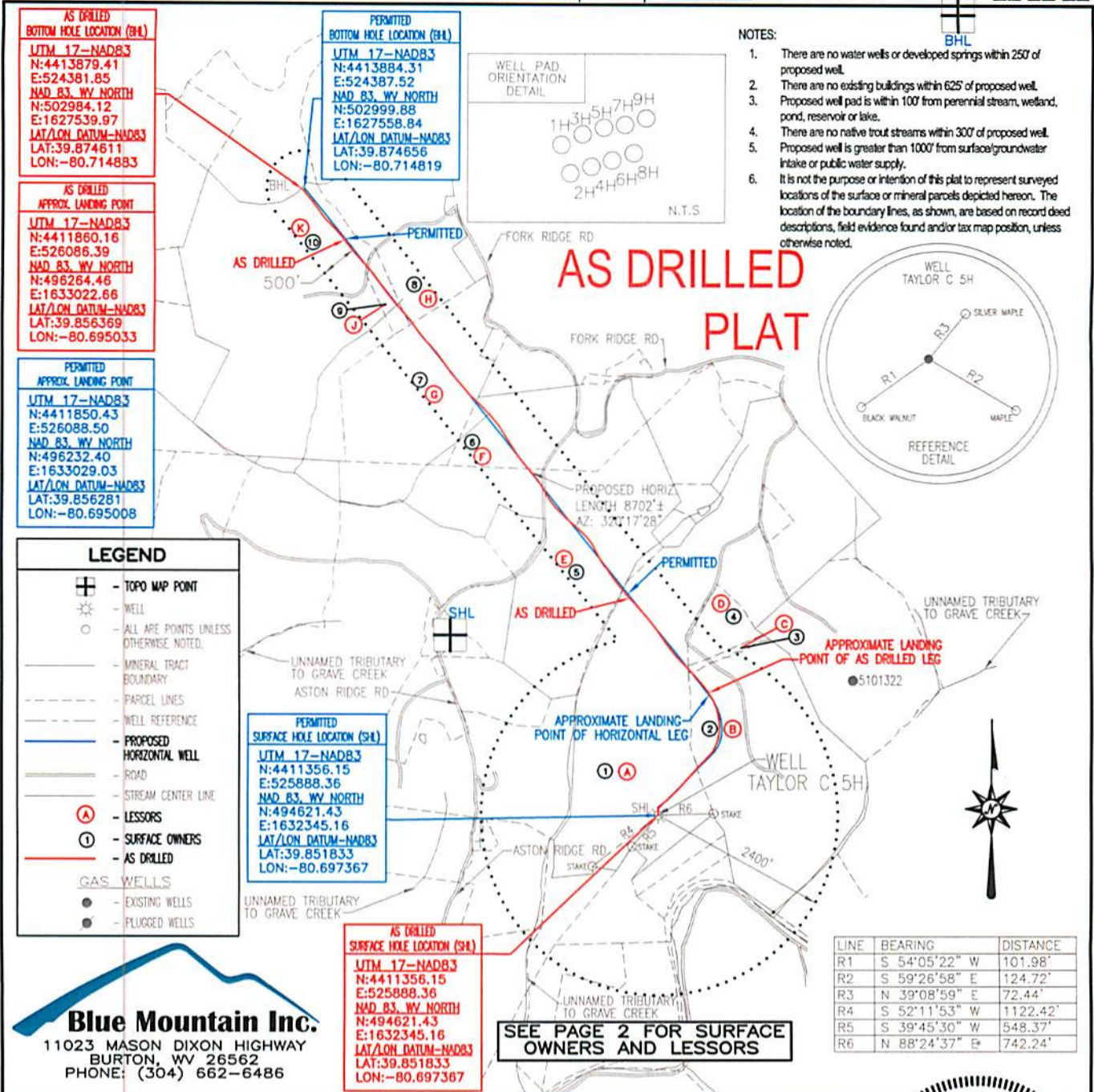


BHL is located on topo map 123 feet south of Latitude: 39° 52' 30"  
 SHL is located on topo map 8,436 feet south of Latitude: 39° 52' 30"

BHL is located on topo map 1,820 feet west of Longitude: 80° 42' 30"  
 SHL is located on topo map 8,619 feet west of Longitude: 80° 40' 00"



FILE #: TAYLOR C 5H-AS DRILLED  
 DRAWING #: TAYLOR C 5H-AS DRILLED  
 SCALE: 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY: 1/2500  
 PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed: *George D. Six*  
 R.P.E.: \_\_\_\_\_ L.L.S.: P.S. No. 2000

**GEORGE D SIX**  
 LICENSED  
 No. 2000  
 STATE OF  
 WEST VIRGINIA  
 PROFESSIONAL SURVEYOR

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP

OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304

DATE: MARCH 13, 2018  
 OPERATOR'S WELL #: TAYLOR C 5H-AS DRILLED  
 API WELL #: 47 51 01804  
 STATE COUNTY PERMIT

Well Type:  Oil  Waste Disposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

WATERSHED: MIDDLE GRAVE CREEK - GRAVE CREEK ELEVATION: 1257.00'  
 COUNTY/DISTRICT: MARSHALL / CLAY QUADRANGLE: GLEN EASTON, WV 7.5'  
 SURFACE OWNER: WILLIAMS OHIO VALLEY MIDSTREAM LLC ACREAGE: 265.439±  
 OIL & GAS ROYALTY OWNER: LEE R. & SHERRI L. TAYLOR ACREAGE: 896.471±

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
 PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG & ABANDON   
 CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY): AS DRILLED

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,468.68± TMD: 16,298.83±

WELL OPERATOR: CHEVRON APPALACHIA, LLC DESIGNATED AGENT: KENNETH E. TAWNEY  
 Address: 700 CHERRINGTON PARKWAY Address: 500 LEE STREET, EAST SUITE 1600  
 City: CORAOPOLIS State: PA Zip Code: 15108 City: CHARLESTON State: WV Zip Code: 25301-3202



# TAYLOR C 5H PAGE 2 OF 2 AS DRILLED

	SURFACE OWNER	DIST-TM/PAR
1	WILLIAMS OHIO VALLEY MIDSTREAM LLC	4-10/21
2	CHEVRON USA INC	4-10/19
3	CARY B. & TRUDY J. WILSON	4-10/19.2
4	WILLIAMS OHIO VALLEY MIDSTREAM	4-10/19.1
5	LEWIS A. ASTON JR. ET UX	4-10/6
6	LEWIS A. ASTON JR. ET UX	4-9/13
7	MARNIE KAY BUCHANAN EST	4-9/11
8	JEFFREY L. RYAN	4-9/2.5
9	LUCILLE E. HICKS	4-8/37.1
10	THOMAS E. HICKS	4-8/37

	LESSOR
A	LEE R. & SHERRI L. TAYLOR
B	BRENDAN J. MCCARTHY JOSEPH E. BOJALAD III
C	CARY & TRUDY WILSON
D	CARY & TRUDY WILSON
E	LEWIS A. JR. & CATHY ASTON
F	LEWIS A. JR. & CATHY ASTON
G	JAMES & MARNIE BUCHANAN
H	JEFFREY L. RYAN
J	CHRISTA DAWN HICKS & LESLIE MAE HICKS
K	CHRISTA DAWN HICKS & LESLIE M. HICKS

PERMITTED SURFACE HOLE LOCATION (SHL)	PERMITTED APPROX. LANDING POINT	PERMITTED BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83 N:4411356.15 E:525888.36 NAD 83, WV NORTH N:494621.43 E:1632345.16 LAT/LON DATUM-NAD83 LAT:39.851833 LON:-80.697367	UTM 17-NAD83 N:4411850.43 E:526088.50 NAD 83, WV NORTH N:496232.40 E:1633029.03 LAT/LON DATUM-NAD83 LAT:39.856281 LON:-80.695008	UTM 17-NAD83 N:4413884.31 E:524387.52 NAD 83, WV NORTH N:502999.88 E:1627558.84 LAT/LON DATUM-NAD83 LAT:39.874656 LON:-80.714819

AS DRILLED SURFACE HOLE LOCATION (SHL)	AS DRILLED APPROX. LANDING POINT	AS DRILLED BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83 N:4411356.15 E:525888.36 NAD 83, WV NORTH N:494621.43 E:1632345.16 LAT/LON DATUM-NAD83 LAT:39.851833 LON:-80.697367	UTM 17-NAD83 N:4411860.16 E:526086.39 NAD 83, WV NORTH N:496264.46 E:1633022.66 LAT/LON DATUM-NAD83 LAT:39.856369 LON:-80.695033	UTM 17-NAD83 N:4413879.41 E:524381.85 NAD 83, WV NORTH N:502984.12 E:1627539.97 LAT/LON DATUM-NAD83 LAT:39.874611 LON:-80.714883

**MARCH 13, 2018**

ACTUAL WELLPATH REPORT (CSV version)

Prepared by Baker Hughes

Software System: WellArchitect® 5.1

REFERENCE WELLPATH IDENTIFICATION

Operator CHEVRON APPALACHIA, LLC  
 Area Marshall County, WV  
 Field Marshall County  
 Facility Taylor C Pad  
 Slot Slot #05  
 Well Taylor C 5H  
 Wellbore Taylor C 5H AWB  
 Wellpath Taylor C 5H AWP Proj: 16342'  
 Sidetrack (none)

REPORT SETUP INFORMATION

Projection : NAD83 / Lambert West Virginia SP, Northern Zone (4701), US feet  
 North Refe TRUE  
 Scale 0.9999948  
 Convergen 0.77° West  
 Software S:\WellArchitect® 5.1  
 User Delaset  
 Report Ger 02/Mar/2018 at 10:20  
 Database/s\WA\_MPL\_EasternUS\_Defn/ev1220.xml

WELLPATH Local North Local East

	[ft]	[ft]	[US ft]	[US ft]				
Slot Locatic	9.43	28.48	1632345	494621.4	39°51'06.5"80°41'50.524"W			
Facility Ref			1632317	494612.4	39°51'06.5"80°41'50.889"W			
Field Refer			1644569	516963.8	39°54'48.9"80°39'17.476"W			

WELLPATH DATUM

Calculation Minimum curvature  
 Horizontal Slot  
 Vertical Re' Precision 560 (RKB)  
 MD Refere Precision 560 (RKB)  
 Field Vertic Mean Sea Level  
 Precision 5 25.00ft  
 Precision 5 1260.00ft

Precision 5 25.00ft

Section Ori N 0.00, E 0.00 ft

Section Azi 320.29°

WELLPATH DATA + = Interpolated/extrapolated station

MD	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure	Dis Closure	Dir DLS	Build Rate	Turn Rate	Comments
[ft]	[°]	[°]	[ft]	[ft]	[ft]	[ft]	[US ft]	[US ft]			[ft]	[°]	[°/100ft]	[°/100ft]	[°/100ft]	



2826	0.79	310.21	2821.39	72.65	103.05	10.38	1632357	494724.3	39°51'07.6	80°41'50.3'	103.57	5.75	0.17	0.17	-1.91
2916	0.67	286.99	2911.39	73.7	103.61	9.4	1632356	494724.9	39°51'07.6	80°41'50.4'	104.03	5.184	0.35	-0.13	-25.8
3005	0.72	301.67	3000.38	74.66	104.05	8.43	1632355	494725.4	39°51'07.6	80°41'50.4'	104.39	4.629	0.21	0.06	16.49
3094	0.62	280.5	3089.37	75.56	104.43	7.48	1632354	494725.8	39°51'07.6	80°41'50.4'	104.7	4.095	0.3	-0.11	-23.79
3184	0.57	283.4	3179.37	76.3	104.63	6.56	1632353	494726	39°51'07.6	80°41'50.4'	104.83	3.589	0.06	-0.06	3.22
3273	0.48	270.74	3268.37	76.89	104.73	5.76	1632352	494726.1	39°51'07.6	80°41'50.4'	104.89	3.147	0.16	-0.1	-14.22
3363	0.6	251.97	3358.36	77.31	104.59	4.93	1632351	494725.9	39°51'07.6	80°41'50.4'	104.71	2.7	0.24	0.13	-20.86
3452	0.37	273.46	3447.36	77.68	104.47	4.2	1632351	494725.8	39°51'07.6	80°41'50.4'	104.55	2.304	0.33	-0.26	24.15
3541	0.43	251.86	3536.36	78	104.38	3.6	1632350	494725.8	39°51'07.6	80°41'50.4'	104.44	1.975	0.18	0.07	-24.27
3630	0.4	266.84	3625.35	78.31	104.26	2.97	1632350	494725.6	39°51'07.6	80°41'50.4'	104.3	1.633	0.13	-0.03	16.83
3720	0.4	263.63	3715.35	78.67	104.21	2.35	1632349	494725.6	39°51'07.6	80°41'50.4'	104.23	1.289	0.02	0	-3.57
3809	0.43	271.57	3804.35	79.06	104.18	1.7	1632348	494725.6	39°51'07.6	80°41'50.5'	104.19	0.937	0.07	0.03	8.92
3899	0.57	257.38	3894.35	79.48	104.09	0.93	1632347	494725.5	39°51'07.6	80°41'50.5'	104.1	0.511	0.21	0.16	-15.77
3988	0.38	262.39	3983.34	79.84	103.96	0.2	1632347	494725.4	39°51'07.6	80°41'50.5'	103.96	0.112	0.22	-0.21	5.63
4077	0.28	224.64	4072.34	79.98	103.76	-0.24	1632346	494725.2	39°51'07.6	80°41'50.5'	103.76	359.867	0.26	-0.11	-42.42
4167	0.28	204.45	4162.34	79.86	103.41	-0.49	1632346	494724.8	39°51'07.6	80°41'50.5'	103.41	359.73	0.11	0	-22.43
4256	0.4	215.58	4251.34	79.69	102.95	-0.76	1632345	494724.1	39°51'07.6	80°41'50.5'	102.96	359.578	0.15	0.13	12.51
4345	0.17	244.98	4340.34	79.64	102.65	-1.06	1632345	494724.1	39°51'07.6	80°41'50.5'	102.65	359.409	0.3	-0.26	33.03
4435	0.04	255.89	4430.34	79.69	102.58	-1.21	1632345	494724	39°51'07.6	80°41'50.5'	102.59	359.325	0.15	-0.14	12.12
4524	0.07	83.9	4519.34	79.67	102.58	-1.19	1632345	494724	39°51'07.6	80°41'50.5'	102.59	359.338	0.12	0.03	-193.25
4613	0.19	204.66	4608.34	79.58	102.45	-1.19	1632345	494723.9	39°51'07.6	80°41'50.5'	102.46	359.333	0.26	0.13	135.69
4702	0.2	148.92	4697.34	79.36	102.18	-1.17	1632345	494723.6	39°51'07.6	80°41'50.5'	102.19	359.342	0.21	0.01	-62.63
4792	0.03	48.36	4787.34	79.21	102.07	-1.08	1632345	494723.5	39°51'07.6	80°41'50.5'	102.07	359.396	0.23	-0.19	-111.73
4881	0.28	277.07	4876.34	79.36	102.11	-1.27	1632345	494723.5	39°51'07.6	80°41'50.5'	102.12	359.285	0.34	0.28	-147.52
4970	0.32	355.45	4965.34	79.73	102.38	-1.51	1632345	494723.8	39°51'07.6	80°41'50.5'	102.39	359.155	0.43	0.04	88.07
5059	2.87	38.91	5054.29	80.37	104.36	-0.13	1632346	494725.8	39°51'07.6	80°41'50.5'	104.36	359.929	2.97	2.87	48.83
5149	6.78	48.08	5143.96	81.02	109.67	5.24	1632352	494731	39°51'07.6	80°41'50.4'	109.79	2.736	4.41	4.34	10.19
5227	9.4	47.57	5221.18	81.5	117.04	13.37	1632360	494738.3	39°51'07.7	80°41'50.3'	117.81	6.516	3.36	3.36	-0.65
5316	15.58	52.07	5308.03	81.47	129.31	28.18	1632375	494750.3	39°51'07.8	80°41'50.1'	132.34	12.293	7.02	6.94	5.06
5406	22.09	53.07	5393.17	80.27	146.92	51.26	1632398	494767.7	39°51'08.0	80°41'49.8'	155.61	19.234	7.24	7.23	1.11
5495	27.47	50.62	5473.94	79.34	170.02	80.53	1632428	494790.4	39°51'08.2	80°41'49.4'	188.13	25.344	6.15	6.04	-2.75
5584	33.28	45.88	5550.7	81.11	200.07	113.96	1632462	494820	39°51'08.5	80°41'49.0'	230.25	29.665	7.06	6.53	-5.33
5674	39.55	44.69	5623.1	85.81	237.67	151.87	1632500	494857	39°51'08.9	80°41'48.5'	282.05	32.579	7.01	6.97	-1.32
5763	45.55	45.54	5688.63	91.21	280.1	194.51	1632543	494898.9	39°51'09.3	80°41'48.0'	341.02	34.777	6.77	6.74	0.96
5853	52.46	45.13	5747.64	97.08	327.84	242.79	1632592	494946	39°51'09.8	80°41'47.4'	407.95	36.523	7.69	7.68	-0.46
5942	54.31	42.14	5800.72	105.38	379.54	292.06	1632642	494997	39°51'10.3	80°41'46.7'	478.9	37.578	3.4	2.08	-3.36
6032	54.55	39.67	5853.08	117.32	434.86	339.98	1632691	495051.7	39°51'10.8	80°41'46.1'	551.99	38.019	2.25	0.27	-2.74
6121	54.61	38.77	5904.66	131.25	491.05	385.84	1632737	495107.3	39°51'11.4	80°41'45.5'	624.51	38.158	0.83	0.07	-1.01
6210	54.84	40.16	5956.06	144.89	547.14	432.02	1632784	495162.7	39°51'12.0	80°41'44.9'	697.15	38.295	1.3	0.26	1.56
6300	54.78	43.08	6007.94	155.98	602.12	480.87	1632834	495217.1	39°51'12.5	80°41'44.3'	770.57	38.612	2.65	-0.07	3.24
6389	54.88	43.5	6059.2	164.84	655.08	530.75	1632885	495269.3	39°51'13.0	80°41'43.7'	843.1	39.015	0.4	0.11	0.47
6479	54.92	42.5	6110.95	174.19	708.93	580.97	1632936	495322.5	39°51'13.6	80°41'43.0'	916.57	39.335	0.91	0.04	-1.11
6568	54.85	42.11	6162.15	184.3	762.77	629.97	1632985	495375.7	39°51'14.1	80°41'42.4'	989.28	39.553	0.37	-0.08	-0.44
6658	55.07	41.66	6213.82	195.07	817.63	679.17	1633035	495429.9	39°51'14.6	80°41'41.8'	1062.91	39.715	0.48	0.24	-0.5
6747	55.63	35.25	6264.46	210.09	874.92	724.65	1633081	495486.6	39°51'15.2	80°41'41.2'	1136.05	39.633	5.96	0.63	-7.2
6836	57.49	23.79	6313.61	236.43	939.41	761.07	1633119	495550.6	39°51'15.8	80°41'40.7'	1209.02	39.013	10.94	2.09	-12.88
6926	59.05	14.96	6361.01	275.73	1011.53	786.38	1633145	495622.3	39°51'16.5	80°41'40.4'	1281.24	37.862	8.52	1.73	-9.81

BH1 AT Curve IFR <8-1/2"> (5149)(5227-16316')

7015	61.04	7	6405.5	324.57	1087.14	801	1633161	495697.7	39°51'17.3	80°41'40.2'	1350.36	36.383	8.06	2.24	-8.94
7104	63.94	2.65	6446.62	380.84	1165.77	807.6	1633168	495776.3	39°51'18.1	80°41'40.1'	1418.18	34.713	5.42	3.26	-4.89
7194	68.61	356.56	6482.85	444.57	1248.08	806.95	1633169	495858.6	39°51'18.9	80°41'40.1'	1486.23	32.885	8.08	5.19	-6.77
7283	72.98	348.73	6512.16	515.53	1331.33	796.13	1633159	495942	39°51'19.7	80°41'40.3'	1551.21	30.879	9.65	4.91	-8.8
7373	77.12	342.67	6535.4	594.03	1415.52	774.62	1633139	496026.4	39°51'20.5	80°41'40.5'	1613.61	28.689	7.97	4.6	-6.73
7462	82.75	338.03	6550.95	676.3	1497.98	745.15	1633110	496109.3	39°51'21.4	80°41'40.9'	1673.07	26.447	8.15	6.33	-5.21
7551	86.74	327.94	6559.12	762.63	1576.8	704.93	1633071	496188.6	39°51'22.1	80°41'41.4'	1727.2	24.088	12.14	4.48	-11.34
7641	90.58	325.51	6561.23	852.02	1652	655.58	1633023	496264.5	39°51'22.9	80°41'42.1'	1777.33	21.645	5.05	4.27	-2.7
7730	90.68	321.24	6560.25	940.86	1723.41	602.5	1632971	496336.6	39°51'23.6	80°41'42.7'	1825.69	19.269	4.8	0.11	-4.8
7820	90.95	315.27	6558.97	1030.76	1790.52	542.61	1632912	496404.5	39°51'24.2	80°41'43.5'	1870.93	16.859	6.64	0.3	-6.63
7909	90.37	315.92	6557.94	1119.45	1854.1	480.33	1632850	496468.9	39°51'24.9	80°41'44.3'	1915.31	14.524	0.98	-0.65	0.73
7999	90.34	317.7	6557.39	1209.28	1919.72	418.74	1632789	496535.3	39°51'25.5	80°41'45.1'	1964.85	12.305	1.98	-0.03	1.98
8088	90.28	315.37	6556.9	1298.08	1984.31	357.52	1632729	496600.7	39°51'26.2	80°41'45.9'	2016.26	10.214	2.62	-0.07	-2.62
8177	90.37	315.23	6556.4	1386.74	2047.57	294.92	1632667	496664.8	39°51'26.8	80°41'46.7'	2068.7	8.196	0.19	0.1	-0.16
8267	90.37	314.88	6555.82	1476.37	2111.27	231.34	1632605	496729.3	39°51'27.4	80°41'47.5'	2123.9	6.253	0.39	0	-0.39
8356	89.26	318.57	6556.11	1565.18	2176.05	170.35	1632544	496794.9	39°51'28.1	80°41'48.3'	2182.71	4.476	4.33	-1.25	4.15
8446	89.69	323.71	6556.93	1655.13	2246.11	113.9	1632489	496865.7	39°51'28.7	80°41'49.0'	2248.99	2.903	5.73	0.48	5.71
8535	90.37	325.02	6556.88	1743.9	2318.44	62.05	1632438	496938.7	39°51'29.5	80°41'49.7'	2319.27	1.533	1.66	0.76	1.47
8625	91.51	323.74	6555.41	1833.66	2391.59	9.64	1632387	497012.6	39°51'30.2	80°41'50.4'	2391.61	0.231	1.9	1.27	-1.42
8714	90.62	324.7	6553.75	1922.43	2463.78	-42.39	1632336	497085.4	39°51'30.9	80°41'51.0'	2464.14	359.014	1.47	-1	1.08
8804	90.62	322.38	6552.78	2012.28	2536.15	-95.86	1632283	497158.5	39°51'31.6	80°41'51.7'	2537.96	357.835	2.58	0	-2.58
8893	90.62	320.1	6551.82	2101.25	2605.54	-151.58	1632228	497228.6	39°51'32.3	80°41'52.4'	2609.95	356.671	2.56	0	-2.56
8983	90.58	318.36	6550.87	2191.23	2673.7	-210.34	1632170	497297.6	39°51'33.0	80°41'53.2'	2681.96	355.502	1.93	-0.04	-1.93
9072	90.52	318.35	6550.02	2280.18	2740.2	-269.48	1632112	497364.8	39°51'33.6	80°41'53.9'	2753.42	354.383	0.07	-0.07	-0.01
9162	90.55	316.71	6549.18	2370.06	2806.58	-330.24	1632052	497432	39°51'34.3	80°41'54.7'	2825.94	353.289	1.82	0.03	-1.82
9252	90.49	315.13	6548.36	2459.8	2871.23	-392.85	1631991	497497.5	39°51'34.9	80°41'55.5'	2897.98	352.209	1.76	-0.07	-1.76
9341	90.49	317.57	6547.6	2548.58	2935.62	-454.27	1631930	497562.7	39°51'35.6	80°41'56.3'	2970.56	351.203	2.74	0	2.74
9431	90.62	318.58	6546.73	2638.5	3002.58	-514.41	1631871	497630.4	39°51'36.2	80°41'57.1'	3046.32	350.278	1.13	0.14	1.12
9520	90.55	320.58	6545.82	2727.49	3070.33	-572.11	1631814	497699	39°51'36.9	80°41'57.8'	3123.17	349.445	2.25	-0.08	2.25
9610	90.62	322.91	6544.9	2817.45	3140.99	-627.82	1631759	497770.3	39°51'37.6	80°41'58.5'	3203.12	348.697	2.59	0.08	2.59
9699	90.52	324.14	6544.02	2906.3	3212.56	-680.73	1631707	497842.6	39°51'38.3	80°41'59.2'	3283.88	348.036	1.39	-0.11	1.38
9788	90.65	323.87	6543.11	2995.11	3284.56	-733.03	1631656	497915.3	39°51'39.0	80°41'59.9'	3365.36	347.419	0.34	0.15	-0.3
9878	90.58	322.61	6542.14	3084.98	3356.66	-786.89	1631603	497988.1	39°51'39.7	80°42'00.6'	3447.66	346.807	1.4	-0.08	-1.4
9967	90.58	330.63	6541.24	3173.36	3430.91	-835.81	1631555	498063	39°51'40.5	80°42'01.2'	3531.25	346.309	9.01	0	9.01
10056	91.45	333.5	6539.66	3260.46	3509.52	-877.5	1631515	498142.1	39°51'41.2	80°42'01.7'	3617.56	345.962	3.37	0.98	3.22
10146	92.74	329.35	6536.37	3348.69	3588.48	-920.5	1631473	498221.7	39°51'42.0	80°42'02.3'	3704.67	345.613	4.83	1.43	-4.61
10235	93.17	323.44	6531.78	3437.03	3662.48	-969.67	1631424	498296.3	39°51'42.7	80°42'02.9'	3788.67	345.171	6.65	0.48	-6.64
10325	89.78	316.13	6529.46	3526.92	3731.12	-1027.72	1631367	498365.7	39°51'43.4	80°42'03.7'	3870.08	344.6	8.95	-3.77	-8.12
10414	89.88	309.91	6529.72	3615.16	3791.81	-1092.76	1631303	498427.3	39°51'44.0	80°42'04.5'	3946.13	343.924	6.99	0.11	-6.99
10503	91.08	311.35	6528.98	3702.89	3849.76	-1160.3	1631236	498486.1	39°51'44.6	80°42'05.4'	4020.82	343.228	2.11	1.35	1.62
10593	90.46	311.41	6527.77	3791.8	3909.25	-1227.82	1631170	498546.5	39°51'45.2	80°42'06.2'	4097.54	342.564	0.69	-0.69	0.07
10682	90.83	313.2	6526.77	3879.93	3969.15	-1293.64	1631105	498607.3	39°51'45.8	80°42'07.1'	4174.64	341.948	2.05	0.42	2.01
10772	90.68	312.91	6525.58	3969.2	4030.59	-1359.39	1631040	498669.6	39°51'46.4	80°42'07.9'	4253.65	341.362	0.36	-0.17	-0.32
10861	87.72	312.9	6526.82	4057.44	4091.16	-1424.57	1630975	498731	39°51'47.0	80°42'08.7'	4332.09	340.802	3.33	-3.33	-0.01
10951	88	319.99	6530.19	4147.12	4156.3	-1486.5	1630914	498797	39°51'47.6	80°42'09.5'	4414.13	340.32	7.88	0.31	7.88
11040	88.58	326.98	6532.85	4235.89	4227.75	-1539.4	1630862	498869.1	39°51'48.3	80°42'10.2'	4499.3	339.993	7.88	0.65	7.85
11130	91.23	330.22	6533	4324.92	4304.56	-1586.28	1630816	498946.5	39°51'49.1	80°42'10.8'	4587.54	339.771	4.65	2.94	3.6

11219	91.39	328.09	6530.96	4412.83	4380.94	-1631.9	1630772	499023.5	39°51'49.8"	80°42'11.4"	4675.02	339.57	2.4	0.18	-2.39
11309	91.72	324.22	6528.52	4502.31	4455.65	-1682	1630723	499098.9	39°51'50.6"	80°42'12.0"	4762.56	339.319	4.31	0.37	-4.3
11398	91.32	319.82	6526.16	4591.22	4525.76	-1736.73	1630669	499169.7	39°51'51.3"	80°42'12.7"	4847.55	339.006	4.96	-0.45	-4.94
11488	90.37	316.15	6524.83	4681.12	4592.61	-1796.96	1630610	499237.3	39°51'51.9"	80°42'13.5"	4931.64	338.631	4.21	-1.06	-4.08
11577	90.4	318.63	6524.23	4770	4658.11	-1857.2	1630550	499303.6	39°51'52.6"	80°42'14.3"	5014.69	338.263	2.79	0.03	2.79
11666	90.43	322.17	6523.59	4858.98	4726.67	-1913.92	1630495	499372.9	39°51'53.3"	80°42'15.0"	5099.46	337.956	3.98	0.03	3.98
11756	90.58	321.88	6522.79	4948.93	4797.61	-1969.3	1630440	499444.6	39°51'54.0"	80°42'15.7"	5186.06	337.683	0.36	0.17	-0.32
11845	90.65	327.06	6521.84	5037.66	4870.01	-2021	1630389	499517.7	39°51'54.7"	80°42'16.4"	5272.71	337.462	5.82	0.08	5.82
11934	90.71	329.22	6520.78	5125.82	4945.59	-2067.97	1630343	499593.9	39°51'55.4"	80°42'17.0"	5360.54	337.308	2.43	0.07	2.43
12024	90.83	324.6	6519.57	5215.18	5020.97	-2117.09	1630295	499669.9	39°51'56.2"	80°42'17.6"	5449.05	337.137	5.13	0.13	-5.13
12113	91.45	326.65	6517.8	5303.78	5094.41	-2167.33	1630246	499744	39°51'56.9"	80°42'18.3"	5536.27	336.954	2.41	0.7	2.3
12203	92.59	324.31	6514.63	5393.34	5168.51	-2218.29	1630196	499818.8	39°51'57.6"	80°42'18.9"	5624.44	336.771	2.89	1.27	-2.6
12293	92.77	319.91	6510.42	5483.18	5239.44	-2273.49	1630142	499890.4	39°51'58.3"	80°42'19.6"	5711.44	336.543	4.89	0.2	-4.89
12382	90.71	317.47	6507.71	5572.09	5306.25	-2332.21	1630084	499958	39°51'59.0"	80°42'20.4"	5796.16	336.274	3.59	-2.31	-2.74
12472	92.12	316.61	6505.49	5661.91	5372.09	-2393.52	1630024	500024.7	39°51'59.6"	80°42'21.2"	5881.19	335.985	1.83	1.57	-0.96
12562	92	313.62	6502.25	5751.48	5435.81	-2456.99	1629961	500089.2	39°52'00.3"	80°42'22.0"	5965.3	335.677	3.32	-0.13	-3.32
12652	89.97	310.63	6500.71	5840.54	5496.16	-2523.72	1629895	500150.4	39°52'00.9"	80°42'22.8"	6047.89	335.336	4.02	-2.26	-3.32
12741	91.02	313.4	6499.94	5928.6	5555.72	-2589.83	1629830	500210.9	39°52'01.5"	80°42'23.7"	6129.7	335.007	3.33	1.18	3.11
12831	91.11	316.56	6498.27	6018.19	5619.32	-2653.47	1629767	500275.3	39°52'02.1"	80°42'24.5"	6214.31	334.723	3.51	0.1	3.51
12920	89.35	320.62	6497.91	6107.12	5686.05	-2712.33	1629709	500342.8	39°52'02.7"	80°42'25.3"	6299.83	334.498	4.97	-1.98	4.56
13009	89.11	318.25	6499.1	6196.1	5753.65	-2770.2	1629652	500411.2	39°52'03.4"	80°42'26.0"	6385.8	334.291	2.68	-0.27	-2.66
13099	88.86	317.52	6500.7	6286.01	5820.4	-2830.54	1629593	500478.7	39°52'04.1"	80°42'26.8"	6472.18	334.066	0.86	-0.28	-0.81
13189	88.92	320.55	6502.44	6375.96	5888.34	-2889.53	1629535	500547.4	39°52'04.7"	80°42'27.5"	6559.11	333.862	3.37	0.07	3.37
13278	90.92	325.33	6502.57	6464.83	5959.34	-2943.14	1629482	500619.2	39°52'05.4"	80°42'28.2"	6646.49	333.717	5.82	2.25	5.37
13368	91.97	325.06	6500.3	6554.47	6033.22	-2994.5	1629431	500693.7	39°52'06.2"	80°42'28.9"	6735.48	333.603	1.2	1.17	-0.3
13457	90.8	321.23	6498.14	6643.32	6104.39	-3047.85	1629379	500765.6	39°52'06.9"	80°42'29.6"	6822.98	333.468	4.5	-1.31	-4.3
13547	90.49	318.69	6497.13	6733.3	6173.29	-3105.74	1629322	500835.2	39°52'07.6"	80°42'30.3"	6910.51	333.293	2.84	-0.34	-2.82
13636	90.12	316.73	6496.66	6822.21	6239.12	-3165.63	1629263	500901.9	39°52'08.2"	80°42'31.1"	6996.27	333.098	2.24	-0.42	-2.2
13726	90.15	316.94	6496.45	6912.04	6304.77	-3227.2	1629202	500968.3	39°52'08.9"	80°42'31.9"	7082.72	332.894	0.24	0.03	0.23
13816	89.88	319.47	6496.42	7001.98	6371.86	-3287.17	1629143	501036.2	39°52'09.5"	80°42'32.6"	7169.8	332.711	2.83	-0.3	2.81
13905	90.22	321.18	6496.34	7090.97	6440.36	-3343.99	1629087	501105.4	39°52'10.2"	80°42'33.4"	7256.75	332.561	1.96	0.38	1.92
13995	91.05	324.44	6495.35	7180.87	6512.04	-3398.38	1629034	501177.8	39°52'10.9"	80°42'34.1"	7345.45	332.442	3.74	0.92	3.62
14085	90.86	321.72	6493.85	7270.74	6583.97	-3452.43	1628981	501250.5	39°52'11.6"	80°42'34.8"	7434.25	332.329	3.03	-0.21	-3.02
14174	90.98	317.83	6492.42	7359.71	6651.91	-3509.89	1628924	501319.2	39°52'12.3"	80°42'35.5"	7521.11	332.182	4.37	0.13	-4.37
14264	90.77	316.02	6491.04	7449.54	6717.64	-3571.35	1628864	501385.7	39°52'12.9"	80°42'36.3"	7607.97	332.003	2.02	-0.23	-2.01
14354	90.65	320.42	6489.93	7539.45	6784.73	-3631.29	1628805	501453.6	39°52'13.6"	80°42'37.0"	7695.38	331.844	4.89	-0.13	4.89
14443	90.98	319.6	6488.66	7628.44	6852.91	-3688.48	1628749	501522.5	39°52'14.3"	80°42'37.8"	7782.5	331.709	0.99	0.37	-0.92
14533	91.08	320.72	6487.04	7718.42	6922	-3746.13	1628692	501592.4	39°52'15.0"	80°42'38.5"	7870.68	331.578	1.25	0.11	1.24
14622	90.89	320.05	6485.51	7807.41	6990.55	-3802.87	1628636	501661.7	39°52'15.6"	80°42'39.2"	7957.99	331.454	0.78	-0.21	-0.75
14712	91.08	322.84	6483.97	7897.37	7060.92	-3858.95	1628581	501732.8	39°52'16.3"	80°42'40.0"	8046.62	331.342	3.11	0.21	3.1
14801	90.89	322	6482.44	7986.29	7131.44	-3913.22	1628528	501804	39°52'17.0"	80°42'40.7"	8134.54	331.245	0.97	-0.21	-0.94
14891	90.62	321.14	6481.25	8076.26	7201.93	-3969.15	1628473	501875.2	39°52'17.7"	80°42'41.4"	8223.26	331.14	1	-0.3	-0.96
14980	90.49	317.41	6480.39	8165.23	7269.37	-4027.21	1628415	501943.4	39°52'18.4"	80°42'42.1"	8310.36	331.014	4.19	-0.15	-4.19
15070	90.46	317.25	6479.64	8255.1	7335.54	-4088.2	1628355	502010.4	39°52'19.0"	80°42'42.9"	8397.83	330.868	0.18	-0.03	-0.18
15159	90.52	316.58	6478.88	8343.95	7400.54	-4149	1628295	502076.2	39°52'19.7"	80°42'43.7"	8484.23	330.724	0.76	0.07	-0.75
15249	90.25	316.77	6478.27	8433.77	7466.01	-4210.75	1628235	502142.5	39°52'20.3"	80°42'44.5"	8571.56	330.577	0.37	-0.3	0.21
15339	89.88	320.54	6478.17	8523.71	7533.56	-4270.19	1628176	502210.8	39°52'21.0"	80°42'45.2"	8659.62	330.454	4.21	-0.41	4.19

15428	91.48	323.81	6477.12	8612.64	7603.85	-4324.76	1628122	502281.8	39°52'21.780°42'45.91	8747.68	330.371	4.09	1.8	3.67
15518	92.25	320.82	6474.19	8702.53	7675.02	-4379.74	1628068	502353.7	39°52'22.480°42'46.61	8836.75	330.289	3.43	0.86	-3.32
15607	91.02	315.11	6471.65	8791.38	7741.07	-4439.28	1628010	502420.6	39°52'23.080°42'47.41	8923.64	330.167	6.56	-1.38	-6.42
15697	90.46	313.3	6470.48	8880.86	7803.81	-4503.79	1627946	502484.2	39°52'23.780°42'48.21	9010.2	330.01	2.1	-0.62	-2.01
15785	89.14	316.04	6470.79	8968.43	7865.67	-4566.37	1627884	502546.8	39°52'24.380°42'49.01	9095.08	329.863	3.46	-1.5	3.11
15876	88.89	320.17	6472.36	9059.33	7933.38	-4627.11	1627824	502615.4	39°52'24.980°42'49.81	9184.16	329.747	4.55	-0.27	4.54
15965	91.17	324.1	6472.31	9148.26	8003.63	-4681.72	1627771	502686.3	39°52'25.680°42'50.51	9272.36	329.674	5.1	2.56	4.42
16055	92	322.96	6469.82	9238.08	8075.97	-4735.2	1627718	502759.4	39°52'26.480°42'51.21	9361.81	329.616	1.57	0.92	-1.27
16144	90.98	319.7	6467.5	9327.02	8145.43	-4790.78	1627664	502829.5	39°52'27.080°42'51.91	9449.85	329.538	3.84	-1.15	-3.66
16234	89.88	319.46	6466.83	9417.01	8213.94	-4849.13	1627606	502898.8	39°52'27.780°42'52.71	9538.5	329.444	1.25	-1.22	-0.27
16316	89.29	322.61	6467.42	9498.99	8277.69	-4900.69	1627555	502963.3	39°52'28.380°42'53.31	9619.61	329.373	3.91	-0.72	3.84
16342	89.29	322.61	6467.75	9524.97	8298.35	-4916.48	1627540	502984.1	39°52'28.680°42'53.51	9645.43	329.355	0	0	0

HOLE AND CASING SECTIONS Ref Wellbore: Taylor C 5H AWB Ref Wellpath: Taylor C 5H AWP Proj: 16342'

String/Diary	Start MD	End MD	Interval	Start TVD	End TVD	Start N/S	Start E/W	End N/S	End E/W
17.5in Ope	25	558.34	533.34	25	558.33	0	0	0.84	-1.55
13.375in Ci	25	558.34	533.34	25	558.33	0	0	0.84	-1.55
12.25in Op	558.34	2200	1641.66	558.33	2195.51	0.84	-1.55	95	9.17
9.625in Cai	25	2200	2175	25	2195.51	0	0	95	9.17
8.5in Open	2200	16342	14142	2195.51	6467.75	95	9.17	8298.35	-4916.48
5.5in Casin	25	16342	16317	25	6467.75	0	0	8298.35	-4916.48

T A R G E T S

Name	TVD	North	East	Grid East	Grid North	Latitude	Longitude	Shape	Comment
Taylor C 5H	6485.06	8314.36	-4897.82	1627559	502999.9	39°52'28.7180°42'53.3	point		
Taylor C 5H	6561	1620.03	662.38	1633029	496232.4	39°51'22.6180°41'42.0	point		
Taylor C LL	7008.33	-9.43	-28.48	1632317	494612.4	39°51'06.5180°41'50.8	polygon		
Taylor C LL	7008.33	-9.43	-28.48	1632317	494612.4	39°51'06.5180°41'50.8	polygon		
Taylor C LL	7008.33	-9.43	-28.48	1632317	494612.4	39°51'06.5180°41'50.8	polygon		

WELLPATH COMPOSITION Ref Wellbore: Taylor C 5H AWB Ref Wellpath: Taylor C 5H AWP Proj: 16342'

Log Name/	Start MD	End MD	Pos Unc	Model
01_Gyroda	25	523.33	BHI	Generic gyro - northseeking (Standard)
02_APS ENV	523.33	2185	BHI	NavITrak (Axial)
03_BHI Nav	2185	5149	NavITrak	(Magcorr+IFR1)
04_BHI AT	5149	16316	BHI	AutoTrak Curve (IFR1, Short)
Projection	16316	16342	Blind	Drilling (std)

C O M M E N T S

Wellpath general comments  
 API: 47-051-01804-0000  
 BHI Job #: 8915200  
 Rig: Precision 560



Duration: 02/17/2018-02/25/2018  
Gyrodatta MS Gyro <17-1/2>(50'-515'")  
APS EM <12-1/4>(523.33')(594'-2185'")  
BHI NavITrak IFR Axial <8-1/2> (2185')(2291'-5149'")  
BHI AT Curve IFR <8-1/2> (5149')(5227'-16316'")  
Projected MD at TD: 16342'