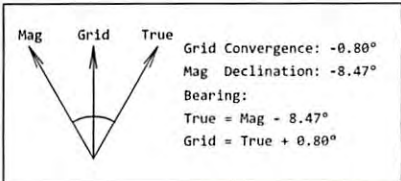




CONSOL ENERGY
 OXF13IHS
 DODDRIDGE COUNTY, WV
 PLAN 1



Plan Data for IHS

Dogleg Severity Unit: °/100.00ft Position offsets from Slot centre

MD	Inc	Az	TVD	+N/-S	+E/-W	VSec	DLS	Build	Turn
(USft)	(°)	(°)	(USft)	(USft)	(USft)	(USft)	(DLSU)	(DLSU)	(DLSU)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2950.00	0.00	0.00	2950.00	0.00	0.00	0.00	0.00	0.00	0.00
3278.02	16.40	51.24	3273.56	29.19	36.36	-14.81	5.00	5.00	0.00
6482.80	16.40	51.24	6347.93	595.69	742.00	-302.21	0.00	0.00	0.00
7424.63	89.00	159.76	6950.00	126.40	1090.90	258.81	10.00	7.71	11.52
12395.66	89.00	159.76	7036.75	-4537.09	2810.07	5229.08	0.00	0.00	0.00



Plan Data for IHS

Target Set Information:

Name: OXF 13 IHS TARGETS

Position offsets from Slot centre

Name	TVD	+N/-S	+E/-W	Northing	Easting
	(USft)	(USft)	(USft)	(USft)	(USft)
IHS LP	6950.00	126.40	1090.90	246144.23	1647364.01
IHS PBHL	6950.00	-4537.80	2810.34	241480.04	1649083.45

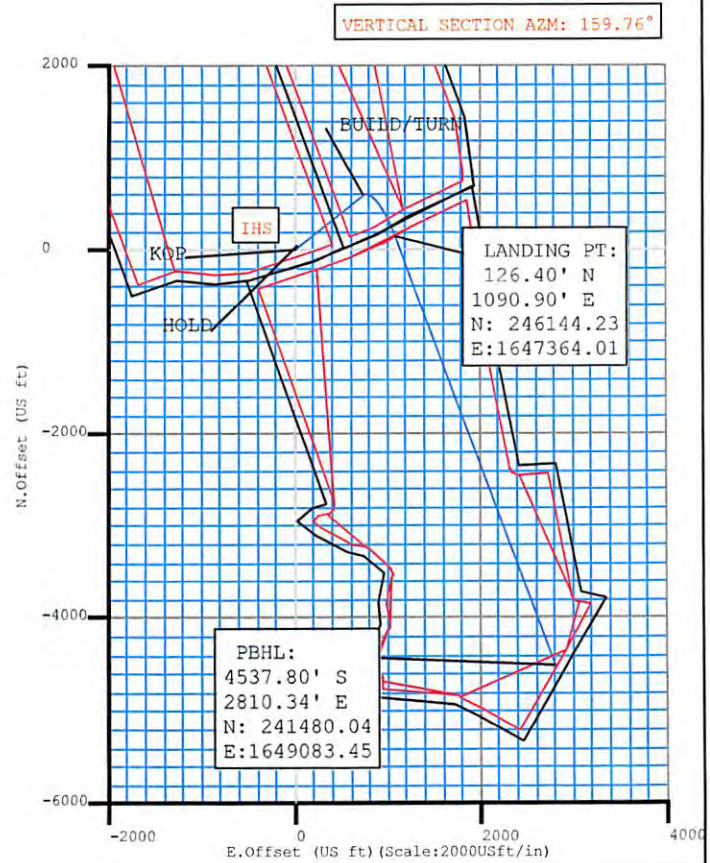
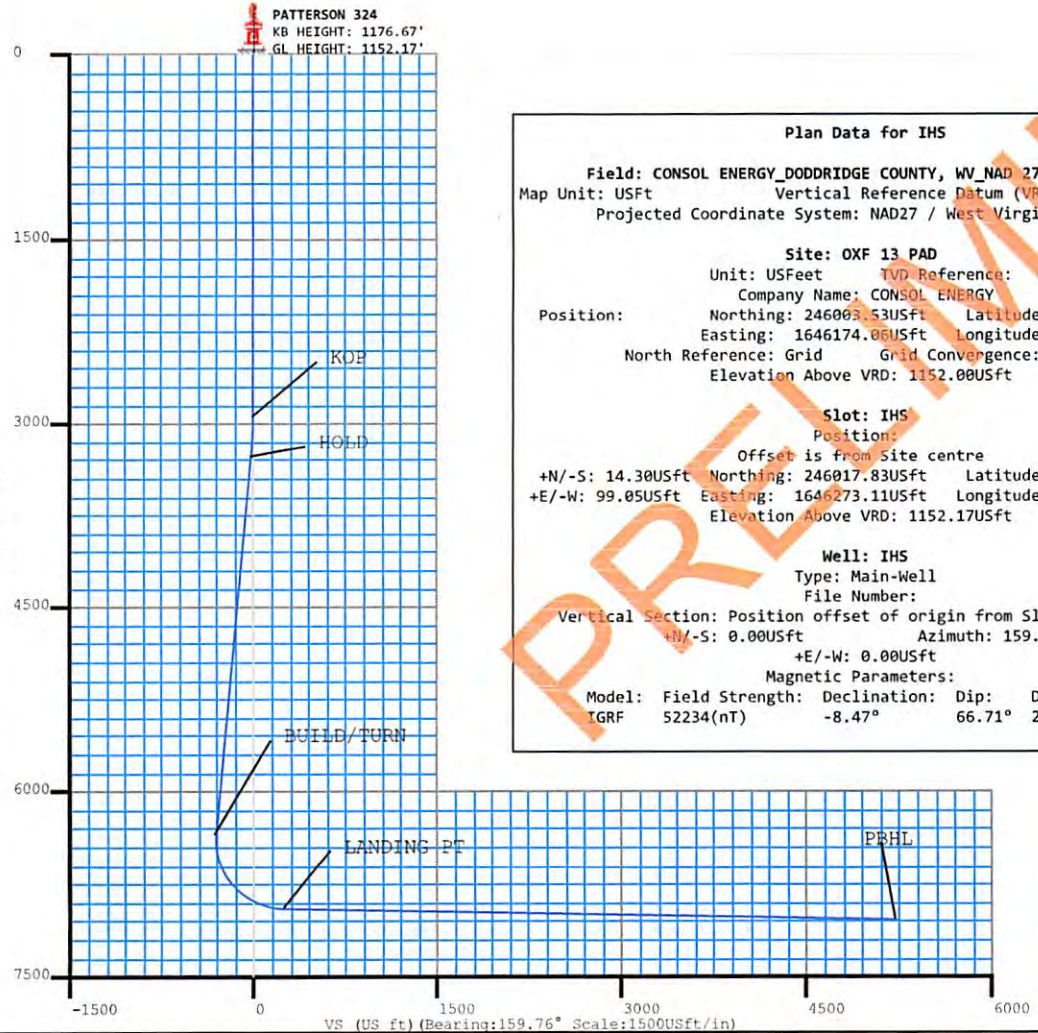
Plan Data for IHS

Field: CONSOL ENERGY_DODDRIDGE COUNTY, WV_NAD 27 (WV NORTH)
 Map Unit: USFt Vertical Reference Datum (VRD): Mean Sea Level
 Projected Coordinate System: NAD27 / West Virginia North

Site: OXF 13 PAD
 Unit: USFeet TVD Reference:
 Company Name: CONSOL ENERGY
 Position: Northing: 246003.53USft Latitude: 39°10'7.237"
 Easting: 1646174.06USft Longitude: -80°44'52.693"
 North Reference: Grid Grid Convergence: -0.80°
 Elevation Above VRD: 1152.00USft

Slot: IHS
 Position:
 Offset is from Site centre
 +N/-S: 14.30USft Northing: 246017.83USft Latitude: 39°10'7.392"
 +E/-W: 99.05USft Easting: 1646273.11USft Longitude: -80°44'51.438"
 Elevation Above VRD: 1152.17USft

Well: IHS
 Type: Main-Well
 File Number:
 Vertical Section: Position offset of origin from Slot centre:
 +N/-S: 0.00USft Azimuth: 159.76°
 +E/-W: 0.00USft
 Magnetic Parameters:
 Model: Field Strength: Declination: Dip: Date:
 TGRF 52234(nT) -8.47° 66.71° 2014-06-25



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-13 Pad
Slot Slot I
Well OXF-131-HS
Wellbore OXF-131-HS AWB
Wellpath OXF-131-HS AWP Proj: 11935'
Sidetrack (none)

REPORT SETUP INFORMATION

Projection NAD27 / Lambert West Virginia SP, Northern Zone (4701), US feet
North Refe Grid
Scale 0.999972
Convergen 0.80° West
Software S WellArchitect® 4.0.1
User Edsaryar
Report Ger 03/Jul/2015 at 14:12
DataBase:/ WellArchitectEasternDB/ev3738.xml

WELLPATH	Local North	Local East	Easting	Northing	Latitude	Longitude
	[ft]	[ft]	[US ft]	[US ft]		
Slot Locati	14.32	99.07	1646273	246017.8	39°10'07.3	80°44'51.438"W
Facility Ref			1646174	246003.5	39°10'07.2	80°44'52.693"W
Field Refer			1640277	240427.6	39°09'11.3	80°46'06.561"W

WELLPATH DATUM

Calculation Minimum curvature
Horizontal Slot
Vertical Re Patterson 805 (RKB)
MD Refere Patterson 805 (RKB)
Field Vertic Mean Sea Level
Patterson † 1180.67ft
Patterson † 1180.67ft
Patterson † 28.50ft
Section Ori N 0.00, E 0.00 ft
Section Azi 160.00°

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
	[ft]	[°]	[°]	[ft]	[ft]	[ft]	[ft]	[US ft]	[US ft]			[ft]	[°]	[*/100ft]	[*/100ft]	[*/100ft]
†	0	0	328.01	0	0	0	0	1646273	246017.8	39°10'07.3	80°44'51.4	0	0	0	0	0
	28.5	0	328.01	28.5	0	0	0	1646273	246017.8	39°10'07.3	80°44'51.4	0	0	0	0	0
	100	0.47	328.01	100	-0.29	0.25	-0.16	1646273	246018.1	39°10'07.3	80°44'51.4	0.29	328.01	0.66	0.66	0
	200	0.6	319.66	199.99	-1.18	1	-0.71	1646272	246018.8	39°10'07.4	80°44'51.4	1.22	324.448	0.15	0.13	-8.35
	300	0.21	321.84	299.99	-1.84	1.54	-1.16	1646272	246019.4	39°10'07.4	80°44'51.4	1.93	322.902	0.39	-0.39	2.18
	400	0.3	329.42	399.99	-2.28	1.91	-1.41	1646272	246019.7	39°10'07.4	80°44'51.4	2.37	323.538	0.1	0.09	7.58
	500	0.35	302.26	499.99	-2.77	2.3	-1.8	1646271	246020.1	39°10'07.4	80°44'51.4	2.92	321.889	0.16	0.05	-27.16
	600	0.43	308.02	599.99	-3.33	2.69	-2.36	1646271	246020.5	39°10'07.4	80°44'51.4	3.58	318.802	0.09	0.08	5.76
	700	0.52	312.1	699.98	-4.05	3.23	-2.99	1646270	246021.1	39°10'07.4	80°44'51.4	4.4	317.197	0.1	0.09	4.08
	800	0.28	293.58	799.98	-4.62	3.63	-3.55	1646270	246021.5	39°10'07.4	80°44'51.4	5.08	315.637	0.27	-0.24	-18.52
	900	0.3	307.76	899.98	-5.01	3.89	-3.98	1646269	246021.7	39°10'07.4	80°44'51.4	5.56	314.322	0.07	0.02	14.18
	1000	0.33	272.49	999.98	-5.34	4.06	-4.47	1646269	246021.9	39°10'07.4	80°44'51.4	6.04	312.216	0.19	0.03	-35.27
	1100	0.2	251.75	1099.98	-5.46	4.02	-4.93	1646268	246021.9	39°10'07.4	80°44'51.5	6.36	309.187	0.16	-0.13	-20.74
	1200	0.22	244.14	1199.98	-5.45	3.88	-5.27	1646268	246021.7	39°10'07.4	80°44'51.5	6.54	306.373	0.03	0.02	-7.61
	1300	0.22	254.59	1299.98	-5.44	3.74	-5.62	1646267	246021.6	39°10'07.4	80°44'51.5	6.76	303.652	0.04	0	10.45
	1400	0.22	257.24	1399.98	-5.48	3.65	-6	1646267	246021.5	39°10'07.4	80°44'51.5	7.02	301.332	0.01	0	2.65
	1500	0.27	273.29	1499.97	-5.6	3.62	-6.42	1646267	246021.5	39°10'07.4	80°44'51.5	7.37	299.432	0.08	0.05	16.05
	1600	0.29	275.29	1599.97	-5.8	3.66	-6.91	1646266	246021.5	39°10'07.4	80°44'51.5	7.82	297.912	0.02	0.02	2
	1700	0.21	278.57	1699.97	-6	3.71	-7.34	1646266	246021.5	39°10'07.4	80°44'51.5	8.22	296.811	0.08	-0.08	3.28
	1800	0.25	239.01	1799.97	-6.04	3.62	-7.71	1646265	246021.5	39°10'07.4	80°44'51.5	8.52	295.183	0.16	0.04	-39.56
	1900	0.44	253.48	1899.97	-6.02	3.4	-8.26	1646265	246021.2	39°10'07.4	80°44'51.5	8.94	292.382	0.21	0.19	14.47
	2000	0.25	254.82	1999.97	-6.06	3.24	-8.84	1646264	246021.1	39°10'07.4	80°44'51.5	9.41	290.104	0.19	-0.19	1.34
	2100	0.21	262.38	2099.97	-6.12	3.15	-9.23	1646264	246021	39°10'07.4	80°44'51.5	9.76	288.864	0.05	-0.04	7.56
	2200	0.18	260.42	2199.97	-6.19	3.1	-9.57	1646264	246020.9	39°10'07.4	80°44'51.5	10.06	287.972	0.03	-0.03	-1.96
	2300	0.13	232.41	2299.97	-6.18	3.01	-9.81	1646263	246020.8	39°10'07.4	80°44'51.5	10.27	287.044	0.09	-0.05	-28.01
	2400	0.1	239.77	2399.97	-6.13	2.9	-9.98	1646263	246020.7	39°10'07.4	80°44'51.5	10.39	286.181	0.03	-0.03	7.36
	2500	0.16	288.11	2499.97	-6.21	2.9	-10.19	1646263	246020.7	39°10'07.4	80°44'51.5	10.59	285.864	0.12	0.06	48.34
	2600	0.35	287.6	2599.96	-6.48	3.03	-10.61	1646263	246020.9	39°10'07.4	80°44'51.5	11.04	285.941	0.19	0.19	-0.51
	2700	0.43	289.73	2699.96	-6.9	3.25	-11.26	1646262	246021.1	39°10'07.4	80°44'51.5	11.72	286.105	0.08	0.08	2.13
	2800	0.5	279.4	2799.96	-7.36	3.45	-12.04	1646261	246021.3	39°10'07.4	80°44'51.5	12.52	285.981	0.11	0.07	-10.33
	2823	1.03	274.04	2822.96	-7.49	3.48	-12.35	1646261	246021.3	39°10'07.4	80°44'51.5	12.83	285.738	2.32	2.3	-23.3
	2909	0.74	292.59	2908.95	-8.18	3.75	-13.63	1646259	246021.6	39°10'07.4	80°44'51.6	14.13	285.372	0.47	-0.34	21.57
	3002	0.69	15.24	3001.94	-9.05	4.52	-14.04	1646259	246022.4	39°10'07.4	80°44'51.6	14.75	287.841	1.02	-0.05	88.87
	3096	6.65	70.86	3095.72	-9.43	6.85	-8.74	1646264	246024.7	39°10'07.4	80°44'51.5	11.11	308.09	6.69	6.34	59.17

3190	9.27	70.34	3188.8	-9.3	11.18	3.53	1646277	246029	39°10'07.5	80°44'51.3	11.73	17.535	2.79	2.79	-0.55
3283	14.48	70.1	3279.78	-9.24	17.67	21.53	1646295	246035.5	39°10'07.5	80°44'51.1	27.85	50.634	5.6	5.6	-0.26
3377	17.66	76.23	3370.1	-7.67	25.06	46.44	1646320	246042.9	39°10'07.6	80°44'50.8	52.77	61.646	3.83	3.88	6.52
3467	16.09	79.31	3456.23	-4.17	30.63	71.96	1646345	246048.5	39°10'07.7	80°44'50.5	78.2	66.945	2.01	-1.74	3.42
3562	14.96	77.81	3547.76	-0.37	35.66	96.88	1646370	246053.5	39°10'07.7	80°44'50.2	103.23	69.794	1.26	-1.19	-1.58
3656	14.84	84.45	3638.6	4.28	39.38	120.72	1646394	246057.2	39°10'07.7	80°44'49.9	126.98	71.932	1.82	-0.13	7.06
3750	15.19	81.45	3729.4	9.73	42.38	144.88	1646418	246060.2	39°10'07.8	80°44'49.6	150.95	73.696	0.91	0.37	-3.19
3844	15.55	82.34	3820.03	14.87	45.89	169.55	1646443	246063.7	39°10'07.8	80°44'49.2	175.65	74.855	0.46	0.38	0.95
3937	15.43	84.2	3909.66	20.57	48.8	194.21	1646467	246066.6	39°10'07.9	80°44'48.9	200.25	75.895	0.55	-0.13	2
4031	15.95	83.63	4000.15	26.68	51.5	219.49	1646493	246069.3	39°10'07.9	80°44'48.6	225.45	76.796	0.58	0.55	-0.61
4124	15.82	77.27	4089.61	31.29	55.71	244.55	1646518	246073.5	39°10'07.9	80°44'48.3	250.82	77.167	1.88	-0.14	-6.84
4218	16.56	75.63	4179.88	34.23	61.86	270.03	1646543	246079.7	39°10'08.0	80°44'48.0	277.02	77.098	0.93	0.79	-1.74
4311	18.77	81.49	4268.5	38.51	67.36	297.67	1646571	246085.2	39°10'08.0	80°44'47.6	305.2	77.249	3.05	2.38	6.3
4405	19.45	79.1	4357.32	44	72.56	327.99	1646601	246090.4	39°10'08.1	80°44'47.2	335.92	77.526	1.1	0.72	-2.54
4499	19.22	81.76	4446.02	49.63	77.74	358.68	1646632	246095.6	39°10'08.2	80°44'46.8	367	77.771	0.97	-0.24	2.83
4592	19.3	80.9	4533.81	55.65	82.36	389	1646662	246100.2	39°10'08.2	80°44'46.5	397.62	78.046	0.32	0.09	-0.92
4686	20.32	78.71	4622.25	61.06	88.01	420.35	1646693	246105.8	39°10'08.3	80°44'46.1	429.46	78.174	1.34	1.09	-2.33
4779	19.04	82.83	4709.82	66.88	93.07	451.24	1646724	246110.9	39°10'08.3	80°44'45.7	460.73	78.346	2.03	-1.38	4.43
4873	17.11	87.63	4799.18	74.47	95.55	480.27	1646753	246113.4	39°10'08.4	80°44'45.3	489.68	78.747	2.59	-2.05	5.11
4967	17.13	86.65	4889.02	82.62	96.93	507.9	1646781	246114.8	39°10'08.4	80°44'45.0	517.07	79.195	0.31	0.02	-1.04
5061	18.98	82.18	4978.39	89.82	99.82	536.87	1646810	246117.7	39°10'08.4	80°44'44.6	546.07	79.467	2.46	1.97	-4.76
5154	18.23	76.82	5066.54	94.74	105.2	566.02	1646839	246123	39°10'08.5	80°44'44.2	575.71	79.471	2.01	-0.81	-5.76
5248	17.54	78.37	5155.99	98.54	111.41	594.21	1646867	246129.2	39°10'08.5	80°44'43.9	604.56	79.381	0.89	-0.73	1.65
5341	17.42	80.81	5244.7	103.2	116.45	621.68	1646895	246134.3	39°10'08.6	80°44'43.5	632.49	79.39	0.8	-0.13	2.62
5435	19.51	85.11	5333.86	109.93	120.04	651.21	1646924	246137.9	39°10'08.6	80°44'43.1	662.19	79.556	2.65	2.22	4.57
5554	17.83	85.84	5446.59	120.08	123.06	689.19	1646962	246140.9	39°10'08.7	80°44'42.7	700.09	79.876	1.43	-1.41	0.61
5642	16.27	85.82	5530.72	127.12	124.93	714.92	1646988	246142.8	39°10'08.7	80°44'42.3	725.75	80.088	1.77	-1.77	-0.02
5735	14.25	84.52	5620.44	133.54	126.98	739.31	1647012	246144.8	39°10'08.7	80°44'42.0	750.13	80.255	2.2	-2.17	-1.4
5828	14.69	87.65	5710.49	139.99	128.55	762.48	1647036	246146.4	39°10'08.7	80°44'41.7	773.25	80.43	0.96	0.47	3.37
5922	14.91	87.62	5801.37	147.26	129.54	786.48	1647060	246147.4	39°10'08.7	80°44'41.4	797.07	80.647	0.23	0.23	-0.03
6016	15.21	80.29	5892.15	153.12	132.13	810.72	1647084	246150	39°10'08.8	80°44'41.1	821.41	80.744	2.05	0.32	-7.8
6109	15.43	71.89	5981.86	155.71	138.03	834.5	1647108	246155.9	39°10'08.8	80°44'40.8	845.84	80.608	2.4	0.24	-9.03
6203	15.64	75.22	6072.43	157.28	145.15	858.64	1647132	246163.3	39°10'08.9	80°44'40.5	870.82	80.405	0.97	0.22	3.54
6297	15.51	81.15	6162.98	160.86	150.32	883.31	1647156	246168.1	39°10'08.9	80°44'40.2	896.01	80.342	1.7	-0.14	6.31
6390	15.53	83.98	6252.59	166.27	153.53	907.98	1647181	246171.4	39°10'09.0	80°44'39.9	920.87	80.402	0.81	0.02	3.04
6484	15.4	84.64	6343.19	172.47	156.02	932.92	1647206	246173.8	39°10'09.0	80°44'39.6	945.88	80.506	0.23	-0.14	0.7
6532	15.48	85.38	6389.46	175.78	157.13	945.65	1647219	246175	39°10'09.0	80°44'39.4	958.62	80.566	0.44	0.17	1.54
6578	14.49	94.33	6433.9	179.78	157.19	957.51	1647231	246175	39°10'09.0	80°44'39.3	970.33	80.677	5.46	-2.15	19.46
6628	13.47	111.44	6482.44	186.21	154.59	969.17	1647242	246172.4	39°10'09.0	80°44'39.1	981.42	80.937	8.48	-2.04	34.22
6671	16.04	125.04	6524.03	194.4	149.34	978.7	1647252	246167.2	39°10'09.0	80°44'39.0	990.03	81.324	9.99	5.98	31.63
6721	19.3	130.09	6571.66	207.23	140.05	990.68	1647264	246157.9	39°10'08.9	80°44'38.8	1000.53	81.953	7.2	6.52	10.1
6765	23.24	130.59	6612.66	221.1	129.72	1002.84	1647276	246147.6	39°10'08.8	80°44'38.7	1011.2	82.63	8.96	8.95	1.14
6816	28.87	130.77	6658.46	240.62	115.12	1019.82	1647293	246133	39°10'08.6	80°44'38.5	1026.3	83.56	11.04	11.04	0.35
6859	34.14	134.21	6695.11	260.56	99.92	1036.35	1647309	246117.7	39°10'08.5	80°44'38.2	1041.15	84.493	12.94	12.26	8
6911	39.55	138.47	6736.71	289.12	77.33	1057.8	1647331	246095.2	39°10'08.3	80°44'38.0	1060.62	85.819	11.5	10.4	8.19
6952	43.86	140.7	6767.32	314.69	56.55	1075.46	1647349	246074.4	39°10'08.0	80°44'37.7	1076.95	86.99	11.12	10.51	5.44
7004	49.16	142.48	6803.1	350.47	26.99	1098.87	1647372	246044.8	39°10'07.8	80°44'37.4	1099.2	88.593	10.49	10.19	3.42
7046	53.26	144.32	6829.4	381.84	0.71	1118.37	1647391	246018.5	39°10'07.5	80°44'37.2	1118.37	89.964	10.34	9.76	4.38
7098	57.78	147.13	6858.84	423.37	-34.72	1142.48	1647416	245983.1	39°10'07.2	80°44'36.9	1143	91.741	9.77	8.69	5.4
7140	62.01	148.87	6879.9	458.91	-65.53	1161.72	1647435	245952.3	39°10'06.9	80°44'36.6	1163.56	93.228	10.69	10.07	4.14
7193	68.59	152.9	6902.04	506.42	-107.58	1185.09	1647458	245910.3	39°10'06.4	80°44'36.3	1189.96	95.187	14.2	12.42	7.6
7234	70.25	152.49	6916.45	544.49	-141.69	1202.69	1647476	245876.2	39°10'06.1	80°44'36.1	1211.01	96.719	4.16	4.05	-1
7281	71.2	155.62	6931.97	588.61	-181.58	1222.1	1647495	245836.3	39°10'05.7	80°44'35.8	1235.51	98.451	6.6	2.02	6.66
7327	74.23	156.94	6945.64	632.43	-221.78	1239.76	1647513	245796.1	39°10'05.3	80°44'35.6	1259.44	100.142	7.13	6.59	2.87
7375	79.42	157.37	6956.58	679.09	-264.84	1257.9	1647531	245753	39°10'04.9	80°44'35.4	1285.47	101.889	10.85	10.81	0.9
7421	85.35	158.14	6962.67	724.63	-307.02	1275.15	1647548	245710.8	39°10'04.5	80°44'35.1	1311.59	103.538	13	12.89	1.67
7515	89.94	160.93	6966.53	818.52	-394.98	1307.97	1647581	245622.9	39°10'03.6	80°44'34.7	1366.31	106.803	5.71	4.88	2.97
7608	90.06	166.69	6966.53	911.27	-484.26	1333.89	1647607	245533.6	39°10'02.7	80°44'34.4	1419.07	109.953	6.19	0.13	6.19
7702	89.94	170.23	6966.53	1004.23	-576.34	1352.69	1647626	245441.5	39°10'01.8	80°44'34.1	1470.36	113.077	3.77	11.07	3.77
7795	90.25	168.53	6966.38	1095.99	-667.75	1369.83	1647643	245350.1	39°10'00.9	80°44'33.9	1523.92	115.988	1.86	0.33	-1.83
7889	90.37	159.95	6965.87	1189.64	-758.13	1395.34	1647668	245259.7	39°10'00.0	80°44'33.5	1587.99	118.517	9.13	0.13	-9.13
7983	90.34	157.7	6965.29	1283.61	-845.77	1429.29	1647702	245172.1	39°09'59.2	80°44'33.1	1660.78	120.615	2.39	-0.03	-2.39
8077	90.34	158.38	6964.73	1377.56	-932.95	1464.44	1647738	245084.9	39°09'58.3	80°44'32.6	1736.37	122.5	0.72	0	0.72
8171	90.31	153.87	6964.19	1471.31	-1018.88	1502.48	1647776	244999	39°09'57.5	80°44'32.1	1815.37	124.143	4.8	-0.03	-4.8
8264	90.28	150.76	6963.71	1563.47	-1101.23	1545.68	1647819	244916.6	39°09'56.7	80°44'31.6	1897.85	125.468	3.34	-0.03	-3.34
8358	89.94	153.04	6963.53	1656.52	-1184.14	1589.95	1647863	244833.7	39°09'55.9	80°44'31.0	1982.46	126.677	2.45	-0.36	2.43
8451	89.94	157.08	6963.63	1749.16	-1268.45	1629.16	1647902	244749.4	39°09'55.0	80°44'30.5	2064.73	127.904	4.34	0	4.34
8545	89.75	156.63	6963.89	1843.02	-1354.88	1666.1	1647939	244663	39°09'54.2	80°44'30.0	2				

9855	89.63	164.33	6971.02	3151.23	-2596.51	2079.73	1648353	243421.4	39°09'42.0	80°44'24.5	3326.73	141.306	0.12	0	0.12
9949	89.6	163	6971.65	3245.03	-2686.71	2106.17	1648379	243331.2	39°09'41.1	80°44'24.2	3413.85	141.906	1.42	-0.03	-1.41
10043	89.6	161.33	6972.31	3338.96	-2776.18	2134.96	1648408	243241.7	39°09'40.2	80°44'23.8	3502.18	142.439	1.78	0	-1.78
10137	89.69	158.72	6972.89	3432.95	-2864.52	2167.06	1648440	243153.4	39°09'39.3	80°44'23.4	3591.89	142.892	2.78	0.1	-2.78
10230	89.35	159.31	6973.67	3525.93	-2951.35	2200.37	1648473	243066.6	39°09'38.5	80°44'22.9	3681.32	143.294	0.73	-0.37	0.63
10324	89.45	157.71	6974.66	3619.89	-3038.81	2234.8	1648508	242979.1	39°09'37.6	80°44'22.5	3772.09	143.668	1.71	0.11	-1.7
10418	89.51	155.82	6975.51	3713.73	-3125.18	2271.88	1648545	242892.8	39°09'36.8	80°44'22.0	3863.7	143.984	2.01	0.06	-2.01
10511	89.48	156.26	6976.33	3806.51	-3210.16	2309.65	1648583	242807.8	39°09'35.9	80°44'21.5	3954.69	144.266	0.47	-0.03	0.47
10605	89.26	162.11	6977.36	3900.45	-3297.98	2343.03	1648616	242720	39°09'35.1	80°44'21.1	4045.55	144.608	6.23	-0.23	6.22
10698	89.17	161.2	6978.64	3993.4	-3386.24	2372.3	1648645	242631.7	39°09'34.2	80°44'20.7	4134.54	144.986	0.98	-0.1	-0.98
10792	89.11	157.77	6980.05	4087.37	-3474.26	2405.24	1648678	242543.7	39°09'33.3	80°44'20.2	4225.59	145.305	3.65	-0.06	-3.65
10885	89.23	154.42	6981.4	4180.14	-3559.26	2442.91	1648716	242458.7	39°09'32.5	80°44'19.8	4316.96	145.536	3.6	0.13	-3.6
10979	89.14	150.09	6982.73	4273.25	-3642.42	2486.66	1648760	242375.5	39°09'31.7	80°44'19.2	4410.3	145.679	4.61	-0.1	-4.61
11073	89.14	151.86	6984.14	4366.07	-3724.61	2532.26	1648805	242293.3	39°09'30.9	80°44'18.6	4503.89	145.789	1.88	0	1.88
11166	89.14	154.6	6985.54	4458.4	-3807.62	2574.14	1648847	242210.3	39°09'30.1	80°44'18.0	4596.1	145.939	2.95	0	2.95
11260	89.17	157.18	6986.93	4552.14	-3893.4	2612.53	1648886	242124.5	39°09'29.2	80°44'17.5	4688.7	146.138	2.74	0.03	2.74
11354	89.57	156.61	6987.96	4646	-3979.86	2649.41	1648922	242038.1	39°09'28.4	80°44'17.1	4781.07	146.348	0.74	0.43	-0.61
11447	89.54	161.91	6988.68	4738.95	-4066.8	2682.33	1648955	241951.2	39°09'27.5	80°44'16.6	4871.73	146.592	5.7	-0.03	5.7
11541	89.57	166.77	6989.41	4832.65	-4157.28	2707.7	1648981	241860.7	39°09'26.6	80°44'16.3	4961.31	146.923	5.17	0.03	5.17
11635	89.54	166.76	6990.14	4926	-4248.78	2729.22	1649002	241769.2	39°09'25.7	80°44'16.0	5049.83	147.285	0.03	-0.03	-0.01
11728	90.18	166.85	6990.37	5018.34	-4339.32	2750.45	1649023	241678.6	39°09'24.8	80°44'15.7	5137.58	147.632	0.69	0.69	0.1
11822	90.22	160.01	6990.04	5112.11	-4429.37	2777.24	1649050	241588.6	39°09'23.9	80°44'15.4	5228.03	147.912	7.28	0.04	-7.28
11910	90.12	156.79	6989.78	5200.07	-4511.18	2809.63	1649083	241506.8	39°09'23.1	80°44'14.9	5314.58	148.085	3.66	-0.11	-3.66
11935	90.12	156.79	6989.73	5225.03	-4534.15	2819.48	1649093	241483.8	39°09'22.9	80°44'14.8	5339.29	148.125	0	0	0

HOLE AND CASING SECTIONS Ref Wellbore: OXF-13I-HS AWB Ref Wellpath: OXF-13I-HS AWP Proj: 11935'

String/Diar	Start MD	End MD	Interval	Start TVD	End TVD	Start N/S	Start E/W	End N/S	End E/W
	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]
9.625in Ca:	28.5	2847	2818.5	28.5	2846.95	0	0	3.52	-12.76

T A R G E T S

Name	MD	TVD	North	East	Grid East	Grid North	Latitude	Longitude	Shape	Comment
	[ft]	[ft]	[ft]	[ft]	[US ft]	[US ft]				
OXF-13I-HS LP Rev3		6962	-329.86	1278.81	1647552	245688	39°10'04.3	80°44'35.1	point	
OXFD-13 Pad LL		6972.17	-14.32	-99.07	1646174	246003.5	39°10'07.2	80°44'52.6	polygon	
OXF-13I-HS BHL Rev3		7001.08	-4537.92	2810.42	1649083	241480	39°09'22.9	80°44'14.9	point	

WELLPATH COMPOSITION Ref Wellbore: OXF-13I-HS AWB Ref Wellpath: OXF-13I-HS AWP Proj: 11935'

Log Name/	Start MD	End MD	Pos	Unc	Model
	[ft]	[ft]			
01_VES Gy	28.5	2823	Generic gyro	-	northseeking (Standard)
02_SDI EM	2823	5435	ISCWSA MWD, Rev. 2		(Standard)
03_BHI AT	5435	11910	NaviTrak (AT Curve Short Spaced)		
Projection	11910	11935	Blind Drilling (std)		