



Wildfire

Job:	NORTHWEST EUMONT UNIT No. 202 (Job #14630)
Declination:	6.08°, This value was ADDED to the magnetic azimuth values sent by the tool to arrive at the Survey Azimuth values shown below.
Job Notes:	Predator 17 NORTHWEST EUMONT UNIT No. 202 Corrected to grid north and to the KB of the rig
Created On:	05 Dec 2019 at 23:52:17
File Contents:	138 Total Surveys in File. 45 are tagged as Accepted

HOBBS
MAR 02 2020
RECEIVED

The Vertical Depth and Departure values below were calculated using the Minimum Curvature Model. This information is intended for reference purposes ONLY. It is NOT intended to replace professional oversight or sound judgement. For more detail on the data and algorithms used to compute this information, contact INVICTUS TOOLS.

REPORT OF ALL ACCEPTED SURVEYS SORTED BY SURVEY DEPTH

SURVEY DEPTH	SURVEY ANGLE	SURVEY AZIMUTH	VERT DEPTH	N-S DEPART	E-W DEPART	TGF	TMF	DIP ANGLE	SURVEY #	TYPE	SURVEY DATE & TIME
0.0	0.00	0.00	0.00	0.0	0.0	0.998	0.000	0.0	0	Tie-In	06 Dec 2019 00:08
72.0	0.40	348.08	72.00	0.2	-0.1	1.000	0.684	69.5	2	Survey	07 Dec 2019 03:57
278.0	0.50	82.08	278.00	1.1	0.7	1.000	0.500	0.0	9	Survey	07 Dec 2019 09:18
365.0	0.20	114.08	364.99	1.1	1.2	1.000	0.636	69.0	11	Survey	07 Dec 2019 10:13
454.0	0.40	79.08	453.99	1.1	1.7	1.000	0.640	68.0	13	Survey	07 Dec 2019 10:58
545.0	0.30	53.08	544.99	1.3	2.2	1.000	0.672	68.0	14	Survey	07 Dec 2019 12:25
648.0	0.40	101.08	647.99	1.4	2.7	-----	-----	-----	18	Survey	07 Dec 2019 14:40
761.0	0.70	84.08	760.98	1.4	3.8	-----	-----	-----	19	Survey	07 Dec 2019 16:07
853.0	0.70	74.08	852.98	1.6	4.9	1.000	0.640	68.0	21	Survey	07 Dec 2019 18:57



Wildfire

SURVEY DEPTH	SURVEY ANGLE	SURVEY AZIMUTH	VERT DEPTH	N-S DEPART	E-W DEPART	TGF	TMF	DIP ANGLE	SURVEY #	TYPE	SURVEY DATE & TIME	
895.0	0.60	94.08	894.97	1.6	5.4	1.000	0.636	68.5	22	Survey	07 Dec 2019	19:41
1028.0	0.90	94.08	1027.96	1.5	7.1	1.000	0.636	----	25	Survey	07 Dec 2019	23:01
1073.0	0.70	87.08	1072.96	1.5	7.7	1.000	0.636	-19.5	26	Survey	08 Dec 2019	00:24
1173.0	0.90	94.08	1172.95	1.5	9.1	1.000	0.636	69.0	28	Survey	08 Dec 2019	03:47
1464.0	1.50	115.08	1463.89	-0.3	14.8	0.998	0.244	-12.5	39	Survey	10 Dec 2019	09:53
1465.0	1.60	111.08	1464.88	-0.3	14.9	0.998	0.244	-13.0	42	Survey	10 Dec 2019	10:34
1476.0	1.90	81.08	1475.88	-0.4	15.2	0.998	0.240	-14.0	44	Survey	10 Dec 2019	11:18
1487.0	1.80	76.08	1486.87	-0.3	15.5	0.998	0.240	-14.0	46	Survey	10 Dec 2019	11:59
1683.0	1.80	122.08	1682.79	-1.2	21.1	0.998	0.248	-10.5	57	Survey	10 Dec 2019	16:55
1770.0	0.40	145.08	1769.77	-2.2	22.5	0.998	0.208	-1.5	59	Survey	10 Dec 2019	19:37
1858.0	0.10	332.08	1857.77	-2.3	22.6	0.998	0.240	-1.5	61	Survey	10 Dec 2019	20:45
1989.0	0.30	272.08	1988.77	-2.2	22.2	0.998	0.500	0.0	62	Survey	10 Dec 2019	21:32
2116.0	0.30	75.08	2115.77	-2.1	22.2	0.998	0.240	0.5	67	Survey	11 Dec 2019	01:13
2249.0	0.80	258.08	2248.76	-2.2	21.6	0.998	0.232	2.0	70	Survey	11 Dec 2019	03:43
2380.0	0.80	88.08	2379.76	-2.4	21.7	0.998	0.256	2.5	73	Survey	11 Dec 2019	06:12
2724.0	1.80	39.08	2723.68	1.9	27.5	0.998	0.224	2.5	81	Survey	11 Dec 2019	12:08
2779.0	2.30	47.08	2778.64	3.3	28.8	0.998	0.224	2.5	83	Survey	11 Dec 2019	16:20
2800.0	2.00	75.08	2799.63	3.7	29.5	0.998	0.228	3.5	85	Survey	11 Dec 2019	18:14
2815.0	1.70	75.08	2814.62	3.8	29.9	0.998	0.228	4.0	86	Survey	11 Dec 2019	19:15
2834.0	1.10	37.08	2833.61	4.0	30.3	0.998	0.228	3.0	87	Survey	11 Dec 2019	20:01
2900.0	0.50	56.08	2899.61	4.7	30.9	0.998	0.228	4.0	88	Survey	11 Dec 2019	23:08
2943.0	1.60	50.08	2942.60	5.2	31.6	0.998	0.232	3.0	89	Survey	12 Dec 2019	01:25
2991.0	0.90	98.08	2990.59	5.6	32.4	1.004	0.392	49.0	95	Survey	12 Dec 2019	15:34
3033.0	1.30	80.08	3032.58	5.6	33.2	0.998	0.428	57.0	97	Survey	12 Dec 2019	19:13
3075.0	1.10	75.08	3074.57	5.8	34.1	0.998	0.432	56.5	101	Survey	12 Dec 2019	22:27
3165.0	0.80	63.08	3164.56	6.3	35.5	0.998	0.432	56.5	102	Survey	13 Dec 2019	02:26



Wildfire

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3208.0	0.60	122.08	3207.56	6.3	36.0	0.998	0.432	57.5	104	Survey	13 Dec 2019	05:01
3382.0	1.10	80.08	3381.54	6.1	38.4	0.998	0.440	57.0	113	Survey	14 Dec 2019	00:03
3427.0	0.60	252.08	3426.54	6.1	38.6	0.998	0.436	58.0	114	Survey	14 Dec 2019	02:50
3602.0	0.20	62.08	3601.53	6.0	38.0	0.996	0.440	57.5	118	Survey	14 Dec 2019	11:06
3734.0	1.10	329.08	3733.52	7.2	37.5	0.998	0.440	57.0	121	Survey	14 Dec 2019	17:13
3777.0	0.60	83.08	3776.52	7.6	37.5	0.996	0.440	57.0	122	Survey	14 Dec 2019	20:34
3820.0	0.80	90.08	3819.52	7.6	38.1	0.998	0.444	57.0	123	Survey	15 Dec 2019	00:02
3862.0	1.10	131.08	3861.51	7.3	38.7	0.998	0.440	58.0	124	Survey	15 Dec 2019	04:35
4036.0	1.20	52.08	4035.49	7.3	41.4	0.998	0.444	57.5	128	Survey	15 Dec 2019	18:55
4077.0	0.50	70.08	4076.48	7.7	41.9	0.996	0.440	58.5	129	Survey	15 Dec 2019	23:41













