



RIG: Lariat Rig 20

WELL: Melissa SWD 3119 1-5

LOCATION: 551' FSL & 1156' FWL of 5-T31S-R19W

BHL: 2,362' FSL & 1,156' FWL of 5-T31S-R19W

Target Direction:	1.81 deg
North/South Hard Line:	
East/West Hard Line:	

STATION NUMBER	SURVEY DEPTH	INC	AZMTH	TVD	N-S	E-W	VERT. SECTION	DLS/100
Tie-In								<< TIE-IN POINT
1	200	0.38	71.2	200.00	0.21	0.63	0.23	0.19
2	400	0.40	7.5	400	1	1	1	0
3	600	0.35	343.3	600	2	1	2	0
4	800	0.12	13.8	800	3	1	3	0
5	1000	0.27	45.4	1000	4	2	4	0
6	1200	0.23	153.1	1200	4	2	4	0
7	1400	0.41	147.6	1400	3	3	3	0
8	1600	0.6	122.6	1600	2	4	2	0
9	1800	0.5	162.0	1800	0	5	0	0
10	2000	0.5	118.6	2000	-1	6	-1	0
11	2200	0.4	67.9	2200	-1	7	-1	0
12	2400	0.4	95.0	2400	-1	9	-1	0
13	2600	0.5	144.8	2600	-1	10	-1	0
14	2800	0.3	123.5	2800	-2	11	-2	0
15	3000	0.3	143.7	3000	-3	12	-3	0
16	3200	0.1	192.5	3200	-4	12	-3	0
17	3400	0.6	133.5	3400	-5	13	-4	0
18	3600	0.4	127.1	3600	-6	14	-5	0
19	3800	0.5	157.2	3800	-7	15	-7	0
20	4,000	0.4	156.7	4000	-9	16	-8	0
21	4,200	0.1	119.4	4200	-9	16	-9	0
22	4,400	0.3	104.5	4400	-10	17	-9	0
23	4,600	0.1	19.3	4600	-10	17	-9	0
24	4,800	0.3	74.6	4800	-9	18	-9	0
25	5,000	0.2	141.0	5000	-9	18	-9	0
26	5,200	0.1	124.4	5200	-10	19	-9	0
27	5,400	0.5	190.4	5400	-11	19	-10	0
28	5,600	0.5	224.5	5600	-12	18	-12	0
29	5,800	0.29	176.38	5800	-13	17	-13	0
30	6,012	0.58	285.45	6012	-14	16	-13	0
31	6,127	0.3	247.6	6127	-14	16	-13	0
32	6175	1.30	5.80	6175	-13	15	-13	3
33	6206	4.70	4.50	6206	-11	16	-11	11
34	6236	8.60	5.00	6236	-8	16	-7	13
35	6267	12.50	2.80	6266	-2	16	-2	13
36	6297	17.20	3.50	6295	5	17	6	16
37	6327	21.70	3.40	6323	15	17	16	15
38	6358	25.80	2.10	6352	28	18	28	13
39	6388	30.50	1.10	6378	42	18	43	16
40	6419	35.10	0.60	6404	59	19	59	15
41	6449	38.50	0.40	6428	77	19	77	11
42	6479	42.40	1.60	6451	96	19	97	13
43	6510	46.60	2.40	6473	118	20	118	14
44	6540	50.90	1.40	6493	140	21	141	15
45	6571	55.70	0.10	6511	165	21	166	16
46	6,601	59.9	359.1	6527	191	21	191	14
47	6,631	64.1	358.3	6542	217	20	218	14
48	6,662	64.9	358	6555	245	19	246	3
49	6,723	63.5	356.3	6581	300	16	300	3
50	6,784	64.4	357.1	6608	355	13	355	2
51	6,814	64.4	356.8	6621	382	12	382	1
52	6,875	66	358.3	6647	437	9	437	3
53	6,905	66	358	6659	464	9	464	1
54	6,966	67.1	357	6683	520	6	520	2
55	6,997	67.4	356.9	6695	549	5	549	1
56	7,057	66.3	358.5	6719	604	2	604	3
57	7,088	66.6	358.1	6731	632	2	632	2
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