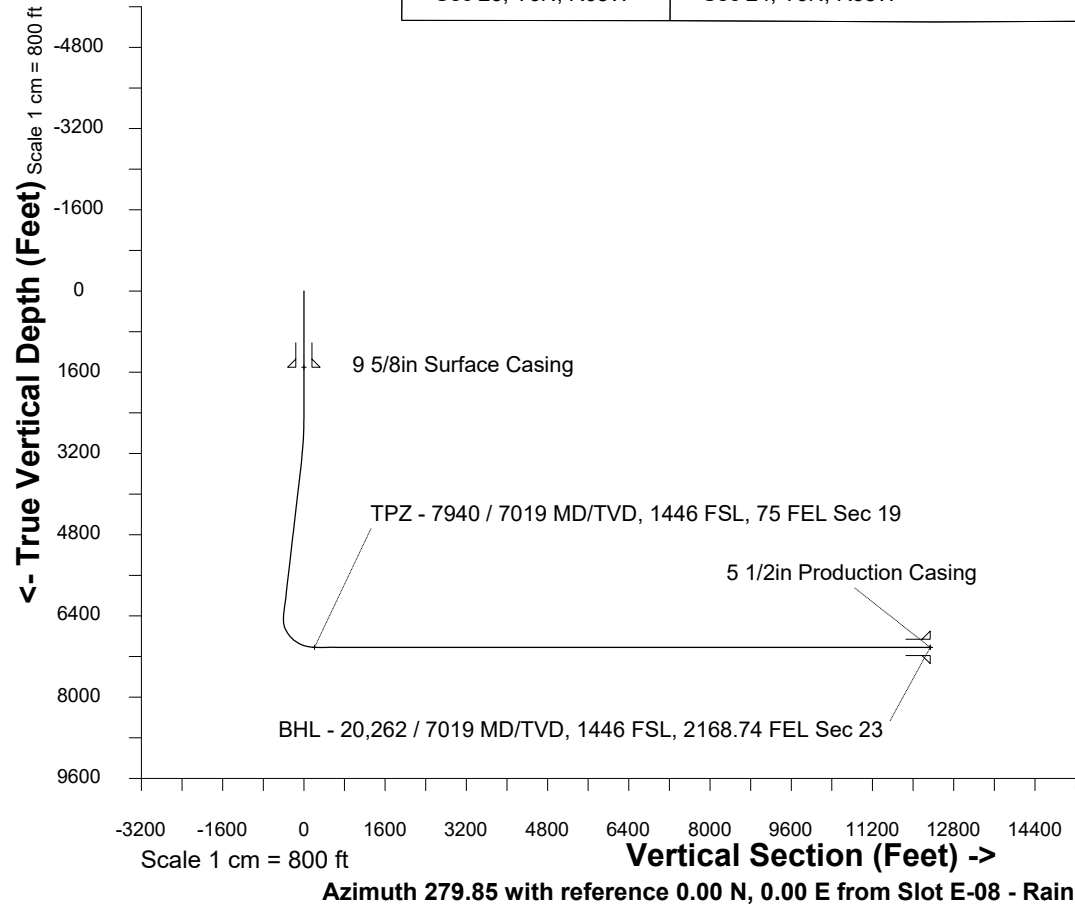
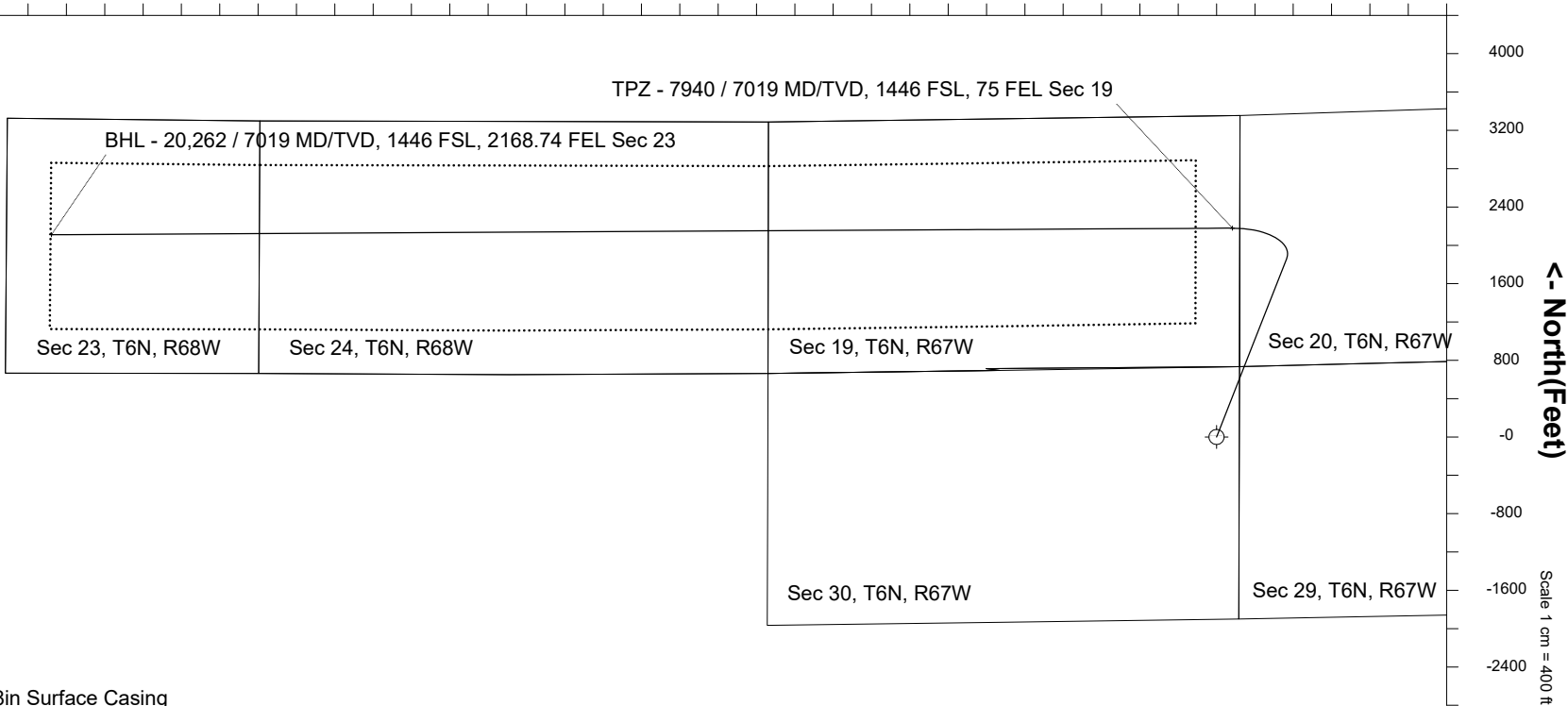
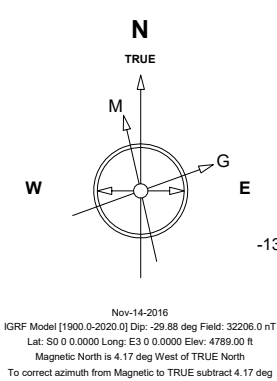


Great Western Operating Company, LLC							
Location	Colorado	Slot	Slot E-08 - Raindance FC 23-289HN				
Field	Wattenburg	Well	Raindance FC 23-289HN				
Installation	Raindance	Wellbore	Raindance FC 23-289HN (PWB)				

Created by	admin
Date plotted	12-Dec-2018
Plot reference is Raindance FC 23-289HN (PWB).	
Ref wellpath is Raindance FC 23-289HN (PWP#1).	
Coordinates are in Feet reference Slot E-08 - Raindance FC 23-289HN.	
True Vertical Depths are reference Rig Datum.	
Measured Depths are reference Rig Datum.	
Rig Datum: Planned Datum #1	
Rig Datum to Mean Sea Level: 4809.00 ft.	
Plot North is aligned to TRUE North.	



WELL PROFILE DATA								
Point	MD	Inc	Azi	TVD	North	East	deg/100ft	V. Sect
Tie on	0.00	0.00	0.00	0.00	S 0.00	W 0.00		0.00
KOP	2445.00	0.00	21.46	2445.00	S 0.00	W 0.00	0.00	0.00
End of Build	3444.99	30.00	21.46	3399.92	N 238.14	E 93.59	3.00	-51.46
End of Hold	6932.72	30.00	21.46	6420.40	N 1861.14	E 731.45	0.00	-402.22
Target TPZ - ...Sec 19	7939.60	90.00	269.68	7019.00	N 2178.98	E 166.66	10.00	208.62
T.D. & Target BHL... 23	20261.86	90.00	269.68	7019.00	N 2110.93	W 12155.40	0.00	12337.34

Header Information	measured depth (ft)	inclination (°)	azimuth (°)	true vertical depth (ft)	northing +N/-S (ft)	easting +E/-W (ft)
Operator Name	0	0.00	0.00	0	0.00	0.00
Great Western Oil & Gas Company LLC	100	0.00	0.00	100	0.00	0.00
Operator Number	200	0.00	0.00	200	0.00	0.00
10110	300	0.00	0.00	300	0.00	0.00
Well Name and Number	400	0.00	0.00	400	0.00	0.00
Raindance FC 23-289HN	500	0.00	0.00	500	0.00	0.00
API Number (if available)	600	0.00	0.00	600	0.00	0.00
	700	0.00	0.00	700	0.00	0.00
Location: QQ SEC TWP RGE	800	0.00	0.00	800	0.00	0.00
NENE 30 6N 67W	900	0.00	0.00	900	0.00	0.00
Citing Type: Planned or Actual	1000	0.00	0.00	1000	0.00	0.00
Planned	1100	0.00	0.00	1100	0.00	0.00
Deviation Indicator	1200	0.00	0.00	1200	0.00	0.00
Horizontal ▼	1300	0.00	0.00	1300	0.00	0.00
North Reference	1400	0.00	0.00	1400	0.00	0.00
True ▼	1500	0.00	0.00	1500	0.00	0.00
Grid Type	1600	0.00	0.00	1600	0.00	0.00
▼	1700	0.00	0.00	1700	0.00	0.00
	1800	0.00	0.00	1800	0.00	0.00
	1900	0.00	0.00	1900	0.00	0.00
	2000	0.00	0.00	2000	0.00	0.00
	2100	0.00	0.00	2100	0.00	0.00
	2200	0.00	0.00	2200	0.00	0.00
	2300	0.00	0.00	2300	0.00	0.00
	2400	0.00	0.00	2400	0.00	0.00
	2500	1.65	21.46	2500	0.74	0.29
	2600	4.65	21.46	2600	5.85	2.30
	2700	7.65	21.46	2699	15.82	6.22
	2800	10.65	21.46	2798	30.62	12.03

2900	13.65	21.46	2896	50.21	19.73
3000	16.65	21.46	2992	74.53	29.29
3100	19.65	21.46	3087	103.51	40.68
3200	22.65	21.46	3180	137.09	53.88
3300	25.65	21.46	3272	175.16	68.84
3400	28.65	21.46	3361	217.63	85.53
3500	30.00	21.46	3448	263.74	103.65
3600	30.00	21.46	3534	310.27	121.94
3700	30.00	21.46	3621	356.80	140.23
3800	30.00	21.46	3707	403.34	158.52
3900	30.00	21.46	3794	449.87	176.80
4000	30.00	21.46	3881	496.41	195.09
4100	30.00	21.46	3967	542.94	213.38
4200	30.00	21.46	4054	589.48	231.67
4300	30.00	21.46	4140	636.01	249.96
4400	30.00	21.46	4227	682.55	268.25
4500	30.00	21.46	4314	729.08	286.54
4600	30.00	21.46	4400	775.62	304.82
4700	30.00	21.46	4487	822.15	323.11
4800	30.00	21.46	4573	868.69	341.40
4900	30.00	21.46	4660	915.22	359.69
5000	30.00	21.46	4747	961.76	377.98
5100	30.00	21.46	4833	1008.29	396.27
5200	30.00	21.46	4920	1054.83	414.56
5300	30.00	21.46	5006	1101.36	432.84
5400	30.00	21.46	5093	1147.89	451.13
5500	30.00	21.46	5180	1194.43	469.42
5600	30.00	21.46	5266	1240.96	487.71
5700	30.00	21.46	5353	1287.50	506.00
5800	30.00	21.46	5439	1334.03	524.29
5900	30.00	21.46	5526	1380.57	542.58
6000	30.00	21.46	5613	1427.10	560.86
6100	30.00	21.46	5699	1473.64	579.15
6200	30.00	21.46	5786	1520.17	597.44

6300	30.00	21.46	5872	1566.71	615.73
6400	30.00	21.46	5959	1613.24	634.02
6500	30.00	21.46	6046	1659.78	652.31
6600	30.00	21.46	6132	1706.31	670.60
6700	30.00	21.46	6219	1752.85	688.89
6800	30.00	21.46	6305	1799.38	707.17
6900	30.00	21.46	6392	1845.92	725.46
7000	28.45	8.02	6479	1892.70	739.84
7100	28.79	347.06	6567	1939.88	737.77
7200	32.11	328.37	6654	1986.09	718.39
7300	37.64	313.73	6736	2029.94	682.29
7400	44.55	302.68	6811	2070.09	630.57
7500	52.28	294.18	6878	2105.32	564.80
7600	60.51	287.34	6933	2134.56	486.98
7700	69.03	281.54	6975	2156.93	399.47
7800	77.72	276.38	7004	2171.74	304.93
7900	86.51	271.56	7018	2178.55	206.24
8000	90.00	269.68	7019	2178.64	106.26
8100	90.00	269.68	7019	2178.09	6.27
8200	90.00	269.68	7019	2177.54	-93.73
8300	90.00	269.68	7019	2176.99	-193.73
8400	90.00	269.68	7019	2176.43	-293.73
8500	90.00	269.68	7019	2175.88	-393.73
8600	90.00	269.68	7019	2175.33	-493.73
8700	90.00	269.68	7019	2174.78	-593.72
8800	90.00	269.68	7019	2174.23	-693.72
8900	90.00	269.68	7019	2173.67	-793.72
9000	90.00	269.68	7019	2173.12	-893.72
9100	90.00	269.68	7019	2172.57	-993.72
9200	90.00	269.68	7019	2172.02	-1093.72
9300	90.00	269.68	7019	2171.46	-1193.72
9400	90.00	269.68	7019	2170.91	-1293.71
9500	90.00	269.68	7019	2170.36	-1393.71
9600	90.00	269.68	7019	2169.81	-1493.71

9700	90.00	269.68	7019	2169.26	-1593.71
9800	90.00	269.68	7019	2168.70	-1693.71
9900	90.00	269.68	7019	2168.15	-1793.71
10000	90.00	269.68	7019	2167.60	-1893.70
10100	90.00	269.68	7019	2167.05	-1993.70
10200	90.00	269.68	7019	2166.49	-2093.70
10300	90.00	269.68	7019	2165.94	-2193.70
10400	90.00	269.68	7019	2165.39	-2293.70
10500	90.00	269.68	7019	2164.84	-2393.70
10600	90.00	269.68	7019	2164.28	-2493.70
10700	90.00	269.68	7019	2163.73	-2593.69
10800	90.00	269.68	7019	2163.18	-2693.69
10900	90.00	269.68	7019	2162.63	-2793.69
11000	90.00	269.68	7019	2162.08	-2893.69
11100	90.00	269.68	7019	2161.52	-2993.69
11200	90.00	269.68	7019	2160.97	-3093.69
11300	90.00	269.68	7019	2160.42	-3193.68
11400	90.00	269.68	7019	2159.87	-3293.68
11500	90.00	269.68	7019	2159.31	-3393.68
11600	90.00	269.68	7019	2158.76	-3493.68
11700	90.00	269.68	7019	2158.21	-3593.68
11800	90.00	269.68	7019	2157.66	-3693.68
11900	90.00	269.68	7019	2157.11	-3793.68
12000	90.00	269.68	7019	2156.55	-3893.67
12100	90.00	269.68	7019	2156.00	-3993.67
12200	90.00	269.68	7019	2155.45	-4093.67
12300	90.00	269.68	7019	2154.90	-4193.67
12400	90.00	269.68	7019	2154.34	-4293.67
12500	90.00	269.68	7019	2153.79	-4393.67
12600	90.00	269.68	7019	2153.24	-4493.67
12700	90.00	269.68	7019	2152.69	-4593.66
12800	90.00	269.68	7019	2152.14	-4693.66
12900	90.00	269.68	7019	2151.58	-4793.66
13000	90.00	269.68	7019	2151.03	-4893.66

13100	90.00	269.68	7019	2150.48	-4993.66
13200	90.00	269.68	7019	2149.93	-5093.66
13300	90.00	269.68	7019	2149.37	-5193.65
13400	90.00	269.68	7019	2148.82	-5293.65
13500	90.00	269.68	7019	2148.27	-5393.65
13600	90.00	269.68	7019	2147.72	-5493.65
13700	90.00	269.68	7019	2147.17	-5593.65
13800	90.00	269.68	7019	2146.61	-5693.65
13900	90.00	269.68	7019	2146.06	-5793.65
14000	90.00	269.68	7019	2145.51	-5893.64
14100	90.00	269.68	7019	2144.96	-5993.64
14200	90.00	269.68	7019	2144.40	-6093.64
14300	90.00	269.68	7019	2143.85	-6193.64
14400	90.00	269.68	7019	2143.30	-6293.64
14500	90.00	269.68	7019	2142.75	-6393.64
14600	90.00	269.68	7019	2142.20	-6493.63
14700	90.00	269.68	7019	2141.64	-6593.63
14800	90.00	269.68	7019	2141.09	-6693.63
14900	90.00	269.68	7019	2140.54	-6793.63
15000	90.00	269.68	7019	2139.99	-6893.63
15100	90.00	269.68	7019	2139.43	-6993.63
15200	90.00	269.68	7019	2138.88	-7093.63
15300	90.00	269.68	7019	2138.33	-7193.62
15400	90.00	269.68	7019	2137.78	-7293.62
15500	90.00	269.68	7019	2137.23	-7393.62
15600	90.00	269.68	7019	2136.67	-7493.62
15700	90.00	269.68	7019	2136.12	-7593.62
15800	90.00	269.68	7019	2135.57	-7693.62
15900	90.00	269.68	7019	2135.02	-7793.61
16000	90.00	269.68	7019	2134.46	-7893.61
16100	90.00	269.68	7019	2133.91	-7993.61
16200	90.00	269.68	7019	2133.36	-8093.61
16300	90.00	269.68	7019	2132.81	-8193.61
16400	90.00	269.68	7019	2132.26	-8293.61

16500	90.00	269.68	7019	2131.70	-8393.61
16600	90.00	269.68	7019	2131.15	-8493.60
16700	90.00	269.68	7019	2130.60	-8593.60
16800	90.00	269.68	7019	2130.05	-8693.60
16900	90.00	269.68	7019	2129.49	-8793.60
17000	90.00	269.68	7019	2128.94	-8893.60
17100	90.00	269.68	7019	2128.39	-8993.60
17200	90.00	269.68	7019	2127.84	-9093.59
17300	90.00	269.68	7019	2127.29	-9193.59
17400	90.00	269.68	7019	2126.73	-9293.59
17500	90.00	269.68	7019	2126.18	-9393.59
17600	90.00	269.68	7019	2125.63	-9493.59
17700	90.00	269.68	7019	2125.08	-9593.59
17800	90.00	269.68	7019	2124.52	-9693.59
17900	90.00	269.68	7019	2123.97	-9793.58
18000	90.00	269.68	7019	2123.42	-9893.58
18100	90.00	269.68	7019	2122.87	-9993.58
18200	90.00	269.68	7019	2122.31	-10093.58
18300	90.00	269.68	7019	2121.76	-10193.58
18400	90.00	269.68	7019	2121.21	-10293.58
18500	90.00	269.68	7019	2120.66	-10393.58
18600	90.00	269.68	7019	2120.11	-10493.57
18700	90.00	269.68	7019	2119.55	-10593.57
18800	90.00	269.68	7019	2119.00	-10693.57
18900	90.00	269.68	7019	2118.45	-10793.57
19000	90.00	269.68	7019	2117.90	-10893.57
19100	90.00	269.68	7019	2117.34	-10993.57
19200	90.00	269.68	7019	2116.79	-11093.56
19300	90.00	269.68	7019	2116.24	-11193.56
19400	90.00	269.68	7019	2115.69	-11293.56
19500	90.00	269.68	7019	2115.14	-11393.56
19600	90.00	269.68	7019	2114.58	-11493.56
19700	90.00	269.68	7019	2114.03	-11593.56
19800	90.00	269.68	7019	2113.48	-11693.56

19900	90.00	269.68	7019	2112.93	-11793.55
20000	90.00	269.68	7019	2112.37	-11893.55
20100	90.00	269.68	7019	2111.82	-11993.55
20200	90.00	269.68	7019	2111.27	-12093.55
20262	90.00	269.68	7019	2110.93	-12155.40