



Southwestern Energy Moffat County Sec 05-T07N-R90W Simpson Ranch 7-90 2-5H6

WELL DETAILS: Simpson Ranch 7-90 2-5H6

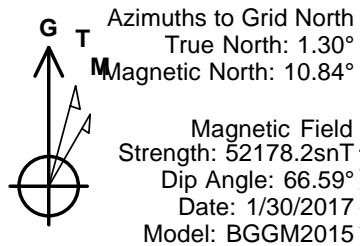
RKB @ 6509.0usft
+N/-S +E/-W Northing Easting Latitude Longitude
0.0 0.0 1467651.92 2441543.34 40° 35' 58.981 N 107° 30' 40.511 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target	Annotation
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
2	11000.0	0.00	0.00	11000.0	0.0	0.0	0.00	0.00	0.0		
3	11708.9	70.89	257.92	11541.4	-80.7	-376.9	10.00	257.92	156.2		
4	12277.0	70.89	257.92	11727.3	-193.1	-901.7	0.00	0.00	373.7		
5	13056.2	90.00	180.70	11879.0	-748.0	-1335.5	10.00	-85.75	1005.8	LP - 2-5H6	
6	19041.5	90.00	180.70	11879.0	-6732.9	-1409.1	0.00	0.00	6878.7	BHL - 2-5H6	

DESIGN TARGET DETAILS

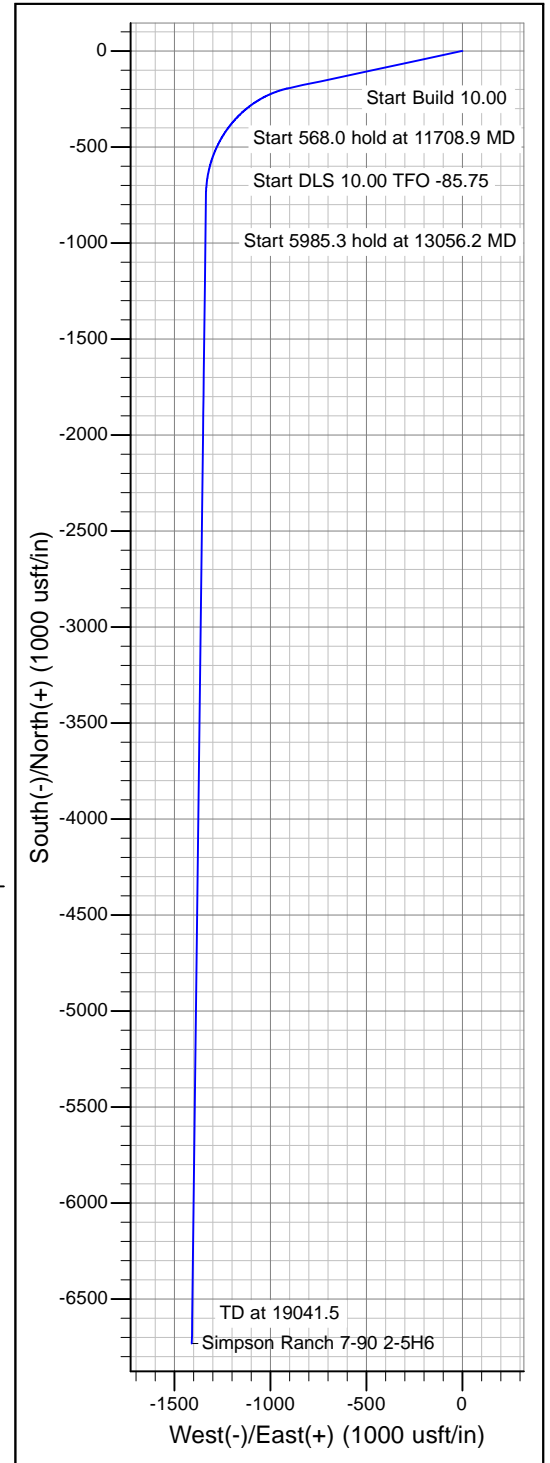
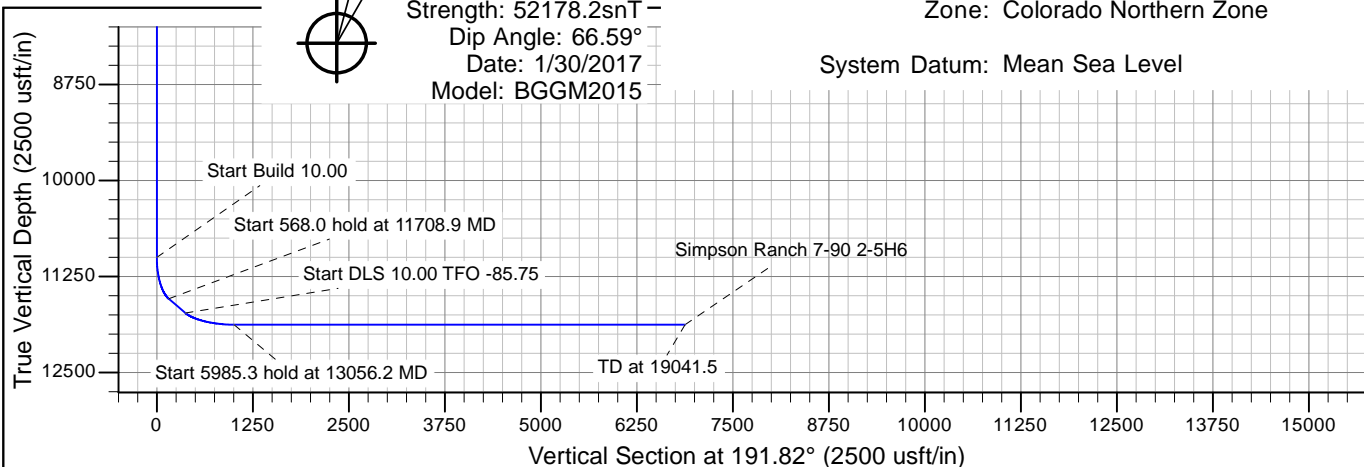
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
BHL - 2-5H6	11879.0	-6732.9	-1409.1	1460919.05	2440134.22	40° 34' 52.151 N	107° 30' 56.790 W
LP - 2-5H6	11879.0	-748.0	-1335.5	1466903.87	2440207.79	40° 35' 51.292 N	107° 30' 57.600 W



PROJECT DETAILS: Moffat County

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Northern Zone

System Datum: Mean Sea Level



~WELL INFORMATION

WELL NAME: Simpson Ranch 7-90 2-5H6 Wellbore #1
 FILE CREATED: 1/30/2017 13:30
 START DEPTH: 0
 STOP DEPTH: 19041.5
 PLAY: Sand Wash Basin
 COUNTY: Moffat County
 SHL LATITUDE: 40.599717
 SHL LONGITUDE: -107.511253
 SHL NORTHING: 1467651.92
 SHL EASTING: 2441543.337
 DATUM ELEVATION: 6509
 GROUND ELEVATION: 6488
 MAP DATUM: North American Datum 1983
 MAP SYSTEM: US State Plane 1983
 MAP ZONE: Colorado Northern Zone
 MAG DEC: 9.54
 DEC DATE: 1/30/2017
 MAG MODEL: BGGM2015
 MAG DIP: 66.59
 MAG STRENGTH: 52178.18
 NORTH REF: Grid
 GRID CONV: -1.3
 TOTAL CORR: 10.84
 VS REF: Slot
 VS AZI: 191.82

~SURVEY DATA

MD	INC	AZI	TVD	NS	EW
0	0	0	0	0	0
11000	0	0	11000	0	0
11050	5	257.916	11049.94	-0.46	-2.13
11100	10	257.916	11099.49	-1.82	-8.51

MD	INC		AZI	TVD	NS	EW
	11150	15	257.916	11148.29	-4.09	-19.09
	11200	20	257.916	11195.96	-7.23	-33.79
	11250	25	257.916	11242.14	-11.24	-52.49
	11300	30	257.916	11286.48	-16.07	-75.06
	11350	35	257.916	11328.64	-21.69	-101.32
	11400	40	257.916	11368.29	-28.06	-131.08
	11450	45	257.916	11405.14	-35.13	-164.1
	11500	50	257.916	11438.91	-42.85	-200.13
	11550	55	257.916	11469.34	-51.15	-238.91
	11600	60	257.916	11496.2	-59.97	-280.13
	11650	65	257.916	11519.28	-69.26	-323.48
	11700	70	257.916	11538.4	-78.92	-368.64
	11709	70.893	257.916	11541.39	-80.69	-376.87
	11800	70.893	257.916	11571.2	-98.7	-461.02
	11900	70.893	257.916	11603.94	-118.48	-553.41
	12000	70.893	257.916	11636.67	-138.26	-645.81
	12100	70.893	257.916	11669.4	-158.05	-738.21
	12200	70.893	257.916	11702.14	-177.83	-830.6
	12277	70.893	257.916	11727.33	-193.05	-901.71
	12300	71.08	255.486	11734.83	-198.06	-922.91
	12350	71.593	250.237	11750.84	-212.02	-968.16
	12400	72.248	245.022	11766.37	-230.1	-1012.09
	12450	73.041	239.85	11781.3	-252.18	-1054.38
	12500	73.962	234.724	11795.5	-278.09	-1094.7
	12550	75.004	229.649	11808.89	-307.62	-1132.74
	12600	76.158	224.625	11821.34	-340.55	-1168.22
	12650	77.412	219.653	11832.78	-376.63	-1200.86
	12700	78.757	214.731	11843.11	-415.6	-1230.42
	12750	80.183	209.856	11852.25	-457.14	-1256.67
	12800	81.677	205.024	11860.14	-500.95	-1279.41
	12850	83.229	200.23	11866.71	-546.68	-1298.47
	12900	84.828	195.466	11871.91	-594	-1313.7
	12950	86.462	190.727	11875.71	-642.55	-1324.99

MD	INC	AZI		TVD	NS	EW
	13000	88.121	186.004	11878.08	-691.94	-1332.26
	13050	89.792	181.291	11878.99	-741.82	-1335.44
	13056	90	180.704	11879	-748.04	-1335.54
	13100	90	180.704	11879	-791.82	-1336.08
	13200	90	180.704	11879	-891.81	-1337.31
	13300	90	180.704	11879	-991.8	-1338.54
	13400	90	180.704	11879	-1091.79	-1339.77
	13500	90	180.704	11879	-1191.78	-1341
	13600	90	180.704	11879	-1291.78	-1342.23
	13700	90	180.704	11879	-1391.77	-1343.46
	13800	90	180.704	11879	-1491.76	-1344.69
	13900	90	180.704	11879	-1591.75	-1345.92
	14000	90	180.704	11879	-1691.75	-1347.15
	14100	90	180.704	11879	-1791.74	-1348.37
	14200	90	180.704	11879	-1891.73	-1349.6
	14300	90	180.704	11879	-1991.72	-1350.83
	14400	90	180.704	11879	-2091.72	-1352.06
	14500	90	180.704	11879	-2191.71	-1353.29
	14600	90	180.704	11879	-2291.7	-1354.52
	14700	90	180.704	11879	-2391.69	-1355.75
	14800	90	180.704	11879	-2491.69	-1356.98
	14900	90	180.704	11879	-2591.68	-1358.21
	15000	90	180.704	11879	-2691.67	-1359.44
	15100	90	180.704	11879	-2791.66	-1360.67
	15200	90	180.704	11879	-2891.66	-1361.9
	15300	90	180.704	11879	-2991.65	-1363.13
	15400	90	180.704	11879	-3091.64	-1364.35
	15500	90	180.704	11879	-3191.63	-1365.58
	15600	90	180.704	11879	-3291.63	-1366.81
	15700	90	180.704	11879	-3391.62	-1368.04
	15800	90	180.704	11879	-3491.61	-1369.27
	15900	90	180.704	11879	-3591.6	-1370.5
	16000	90	180.704	11879	-3691.6	-1371.73

MD	INC	AZI	TVD	NS	EW
16100		90	180.704	11879	-3791.59 -1372.96
16200		90	180.704	11879	-3891.58 -1374.19
16300		90	180.704	11879	-3991.57 -1375.42
16400		90	180.704	11879	-4091.57 -1376.65
16500		90	180.704	11879	-4191.56 -1377.88
16600		90	180.704	11879	-4291.55 -1379.11
16700		90	180.704	11879	-4391.54 -1380.33
16800		90	180.704	11879	-4491.54 -1381.56
16900		90	180.704	11879	-4591.53 -1382.79
17000		90	180.704	11879	-4691.52 -1384.02
17100		90	180.704	11879	-4791.51 -1385.25
17200		90	180.704	11879	-4891.51 -1386.48
17300		90	180.704	11879	-4991.5 -1387.71
17400		90	180.704	11879	-5091.49 -1388.94
17500		90	180.704	11879	-5191.48 -1390.17
17600		90	180.704	11879	-5291.48 -1391.4
17700		90	180.704	11879	-5391.47 -1392.63
17800		90	180.704	11879	-5491.46 -1393.86
17900		90	180.704	11879	-5591.45 -1395.09
18000		90	180.704	11879	-5691.44 -1396.31
18100		90	180.704	11879	-5791.44 -1397.54
18200		90	180.704	11879	-5891.43 -1398.77
18300		90	180.704	11879	-5991.42 -1400
18400		90	180.704	11879	-6091.41 -1401.23
18500		90	180.704	11879	-6191.41 -1402.46
18600		90	180.704	11879	-6291.4 -1403.69
18700		90	180.704	11879	-6391.39 -1404.92
18800		90	180.704	11879	-6491.38 -1406.15
18900		90	180.704	11879	-6591.38 -1407.38
19000		90	180.704	11879	-6691.37 -1408.61
19042		90	180.704	11879	-6732.87 -1409.12

Simpson Ranch 7-90 2-5H6

Wellbore #1