

Crestone Peak Resources

CO, Weld County (NAD 83 NZ)
Sec 21 Twn 2 N Rng 68 W
Dream Weaver South 3D-21H-N268 Original Hole
05-123-47950
Ensign 142



Final Survey Report

30-Mar-2020

Well Coordinates: NAD83 Colorado State Plane, Northern Zone, US Ft

40.119671 -105.011034
1286817.15 usFt 3136744.51 usFt

Ground Level: 4901.00 ft MSL
TVD Reference: KB 28ft @ 4929.00 ft MSL
Local Coordinate Origin: Dream Weaver South 3D-21H-N268 well head
Vertical Section Azimuth: 184.749 ° (True North)
North Reference: True North

DOX Version: 2.1

Dream Weaver South 3D-21H-N268 MWD 0' to 19102' Definitive Survey

Geodetic Report

(Def Survey)



Report Date: March 30, 2020 - 11:34 AM	Survey / DLS Computation: Minimum Curvature / Lubinski	
Client: Crestone Peak Resources	Vertical Section Azimuth: 184.749 ° (True North)	
Field: CO, Weld County (NAD 83 NZ) - 2019	Vertical Section Origin: 0.000 ft, 0.000 ft	
Structure / Slot: Crestone Peak 21-02N-68W (Dream Weaver Pad) / Dream Weaver South 3D-21H-N268	TVD Reference Datum: KB 28ft	
Well: Dream Weaver South 3D-21H-N268	TVD Reference Elevation: 4929.000 ft above MSL	
Borehole: Original Hole	Seabed / Ground Elevation: 4901.000 ft above MSL	
UWI / API#: Unknown / 05-123-47950	Magnetic Declination: 8.319 °	
Survey Name: Dream Weaver South 3D-21H-N268 MWD 0' to 19102' Definitive	Total Gravity Field Strength: 998.9832mgn (9.80665 Based)	
Survey Date: September 05, 2019	Gravity Model: GARM	
Tort / AHD / DDI / ERD Ratio: 243.742 ° / 13107.019 ft / 6.916 / 1.768	Total Magnetic Field Strength: 51901.346 nT	
Coordinate Reference System: NAD83 Colorado State Plane, Northern Zone, US Feet	Magnetic Dip Angle: 66.411 °	
Location Lat / Long: N 40° 7' 10.81560", W 105° 0' 39.72240"	Declination Date: March 17, 2020	
Location Grid N/E Y/X: N 1286817.149 ftUS, E 3136744.508 ftUS	Magnetic Declination Model: HDGM 2019	
CRS Grid Convergence Angle: 0.3159 °	North Reference: True North	
Grid Scale Factor: 0.99995945	Grid Convergence Used: 0.0000 °	
Version / Patch: 2.10.787.0	Total Corr Mag North->True North: 8.3190 °	
	Local Coord Referenced To: Well Head	

Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	NS (ft)	EW (ft)	VSEC (ft)	DLS (°/100ft)	BR (°/100ft)
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	N/A
KB Adjustment	15.00	0.00	0.00	15.00	0.00	0.00	0.00	0.00	0.00
Begin Surface Survey	175.00	0.53	28.83	175.00	0.65	0.36	-0.68	0.33	0.33
	296.00	3.34	352.62	295.92	4.64	0.17	-4.63	2.42	2.32
	387.00	4.13	355.87	386.72	10.53	-0.40	-10.46	0.90	0.87
	476.00	5.01	348.93	475.44	17.54	-1.38	-17.37	1.17	0.99
	546.00	7.05	350.94	545.05	24.79	-2.64	-24.48	2.93	2.91
	635.00	8.09	350.97	633.27	36.36	-4.49	-35.87	1.17	1.17
	724.00	8.74	352.43	721.32	49.25	-6.36	-48.56	0.77	0.73
	814.00	10.44	341.18	810.06	63.75	-9.89	-62.71	2.80	1.89
	903.00	11.59	329.66	897.43	79.10	-17.01	-77.42	2.78	1.29
	992.00	12.74	329.50	984.43	95.27	-26.51	-92.75	1.29	1.29
	1082.00	13.37	319.69	1072.12	111.76	-38.28	-108.21	2.56	0.70
	1170.00	13.87	307.21	1157.66	125.90	-53.26	-121.06	3.38	0.57
	1260.00	11.79	304.25	1245.41	137.60	-69.46	-131.38	2.42	-2.31
	1349.00	9.92	315.71	1332.82	148.21	-82.33	-140.88	3.20	-2.10
	1439.00	7.92	316.54	1421.73	158.26	-92.01	-150.10	2.23	-2.22
	1528.00	7.53	314.40	1509.92	166.79	-100.39	-157.91	0.54	-0.44
	1614.00	7.69	315.15	1595.16	174.81	-108.48	-165.23	0.22	0.19
	1703.00	8.93	313.29	1683.23	183.77	-117.70	-173.40	1.43	1.39
	1792.00	8.89	313.97	1771.15	193.28	-127.68	-182.05	0.13	-0.04
	1882.00	8.71	317.36	1860.10	203.12	-137.30	-191.06	0.61	-0.20
	1968.00	10.77	309.32	1944.86	213.01	-147.93	-200.03	2.86	2.40
	2057.00	11.18	309.57	2032.23	223.77	-161.02	-209.67	0.46	0.46
	2147.00	10.71	309.15	2120.59	234.61	-174.23	-219.38	0.53	-0.52
Last Surface Survey	2209.00	10.90	310.28	2181.49	242.04	-183.17	-226.04	0.46	0.31
9 5/8" Casing	2252.00	10.75	310.62	2223.73	247.28	-189.31	-230.75	0.38	-0.35
Begin SLB_MWD Survey	2271.00	10.69	310.77	2242.39	249.58	-191.99	-232.83	0.38	-0.34
	2360.00	10.73	308.00	2329.84	260.07	-204.77	-242.23	0.58	0.05
	2450.00	9.87	306.35	2418.39	269.81	-217.59	-250.86	1.02	-0.96
	2539.00	9.45	306.69	2506.13	278.69	-229.59	-258.72	0.48	-0.47
	2628.00	10.30	307.17	2593.81	287.86	-241.78	-266.86	0.97	0.96
	2717.00	10.89	307.46	2681.29	297.78	-254.80	-275.66	0.66	0.66
	2806.00	11.13	308.45	2768.66	308.23	-268.20	-284.97	0.35	0.27
	2895.00	10.83	307.06	2856.03	318.62	-281.60	-294.21	0.45	-0.33
	2984.00	10.72	303.36	2943.46	328.21	-295.19	-302.64	0.79	-0.13
	3073.00	10.64	303.74	3030.92	337.33	-308.93	-310.59	0.11	-0.08
	3162.00	10.19	307.90	3118.45	346.73	-321.98	-318.88	0.99	-0.51
	3251.00	10.39	307.77	3206.02	356.48	-334.53	-327.56	0.23	0.23
	3340.00	10.62	305.66	3293.53	366.17	-347.54	-336.14	0.50	0.25
	3429.00	9.81	306.32	3381.12	375.44	-360.31	-344.32	0.92	-0.91
	3518.00	9.68	304.07	3468.84	384.12	-372.61	-351.96	0.45	-0.14
	3607.00	9.36	309.78	3556.61	392.95	-384.38	-359.78	1.12	-0.36
	3697.00	9.86	308.02	3645.35	402.38	-396.08	-368.21	0.64	0.55
	3786.00	10.78	303.25	3732.91	411.64	-409.04	-376.36	1.41	1.03
	3875.00	10.44	306.72	3820.39	421.03	-422.47	-384.61	0.81	-0.38
	3964.00	10.40	308.79	3907.92	430.88	-435.19	-393.37	0.42	-0.05
	4053.00	12.53	311.34	3995.14	442.30	-448.71	-403.63	2.46	2.39
	4142.00	12.13	313.00	4082.09	455.05	-462.79	-415.17	0.60	-0.45
	4231.00	10.67	312.54	4169.33	467.00	-475.70	-426.01	1.65	-1.64
	4320.00	9.80	309.95	4256.91	477.43	-487.57	-435.42	1.11	-0.98
	4409.00	9.72	307.92	4344.62	486.91	-499.31	-443.90	0.39	-0.08
	4498.00	10.66	308.15	4432.22	496.61	-511.71	-452.54	1.06	1.06
	4587.00	11.05	304.89	4519.63	506.58	-525.18	-461.36	0.82	0.44
	4676.00	10.90	305.76	4607.00	516.38	-539.01	-469.98	0.25	-0.17
	4765.00	10.61	306.98	4694.43	526.23	-552.39	-478.69	0.41	-0.32
	4855.00	10.44	305.35	4782.92	535.93	-565.66	-487.26	0.38	-0.19
	4924.00	10.81	305.64	4850.73	543.32	-576.02	-493.77	0.55	0.54
	4983.00	10.61	305.40	4908.71	549.69	-584.94	-499.38	0.36	-0.35
	5072.00	10.20	305.67	4996.24	559.03	-598.02	-507.60	0.46	-0.46
	5161.00	10.55	305.52	5083.79	568.36	-611.06	-515.82	0.40	0.40
	5250.00	9.89	305.37	5171.37	577.52	-623.92	-523.89	0.75	-0.75
	5339.00	10.50	308.42	5258.97	586.99	-636.51	-532.28	0.92	0.69
	5428.00	10.80	307.48	5346.44	597.10	-649.48	-541.28	0.39	0.33
	5517.00	10.74	305.93	5433.87	607.04	-662.81	-550.08	0.33	-0.07
	5606.00	10.72	306.75	5521.31	616.86	-676.16	-558.76	0.17	-0.02

...Original Hole\Dream Weaver South 3D-21H-N268 MWD 0' to 19102' Definitive

Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	NS (ft)	EW (ft)	VSEC (ft)	DLS (°/100ft)	BR (°/100ft)
	5695.00	10.07	305.38	5608.85	626.32	-689.14	-567.12	0.79	-0.74
	5784.00	10.76	306.97	5696.38	635.82	-702.12	-575.51	0.84	0.78
	5873.00	10.07	308.24	5783.92	645.64	-714.87	-584.24	0.82	-0.78
	5962.00	10.81	308.72	5871.44	655.67	-727.50	-593.19	0.84	0.83
	6051.00	10.80	306.75	5958.86	665.89	-740.69	-602.28	0.42	-0.01
	6140.00	10.84	307.77	6046.28	676.00	-753.99	-611.26	0.22	0.04
	6229.00	10.82	309.35	6133.70	686.43	-767.07	-620.56	0.34	-0.02
	6319.00	10.81	308.46	6222.10	697.04	-780.22	-630.05	0.19	-0.01
	6408.00	10.91	308.81	6309.50	707.51	-793.32	-639.40	0.14	0.11
	6497.00	10.95	308.27	6396.89	718.03	-806.52	-648.79	0.12	0.04
	6586.00	10.99	308.03	6484.26	728.49	-819.84	-658.11	0.07	0.04
	6675.00	10.60	306.28	6571.69	738.55	-833.12	-667.04	0.57	-0.44
	6764.00	11.08	267.31	6659.21	743.00	-848.28	-670.22	8.10	0.55
	6853.00	10.86	229.16	6746.70	737.11	-863.19	-663.11	8.02	-0.25
	6942.00	16.92	200.30	6833.15	719.44	-874.05	-644.61	10.15	6.82
	7031.00	22.50	189.23	6916.93	690.45	-881.28	-615.12	7.51	6.26
	7120.00	29.43	188.15	6996.90	651.94	-887.12	-576.26	7.81	7.79
	7209.00	36.10	190.37	7071.70	604.45	-894.94	-528.28	7.60	7.49
	7298.00	43.94	189.57	7139.81	548.13	-904.81	-471.34	8.83	8.81
	7387.00	52.58	189.25	7199.01	482.67	-915.65	-405.21	9.72	9.72
	7477.00	58.65	188.72	7249.81	409.35	-927.23	-331.17	6.75	6.73
	7566.00	66.36	186.40	7290.87	331.15	-937.56	-252.39	8.97	8.67
	7655.00	72.10	181.21	7322.44	248.18	-943.01	-169.25	8.44	6.44
	7744.00	78.31	177.49	7345.17	162.19	-942.00	-83.65	8.07	6.98
	7833.00	86.29	177.29	7357.08	74.16	-937.99	3.75	8.97	8.97
	7922.00	89.50	180.03	7360.35	-14.74	-935.91	92.17	4.74	3.61
	8011.00	89.60	177.76	7361.04	-103.71	-934.20	180.70	2.56	0.11
	8100.00	89.60	178.14	7361.66	-192.65	-931.01	269.07	0.43	0.00
	8189.00	89.69	180.63	7362.20	-281.64	-930.05	357.67	2.80	0.10
	8279.00	89.58	181.32	7362.78	-371.62	-931.58	447.47	0.77	-0.13
	8368.00	89.51	181.25	7363.49	-460.60	-933.58	536.31	0.10	-0.08
	8457.00	89.74	180.77	7364.07	-549.58	-935.15	625.12	0.60	0.26
	8546.00	89.59	178.62	7364.59	-638.57	-934.67	713.76	2.43	-0.17
	8635.00	89.46	178.39	7365.33	-727.54	-932.34	802.23	0.29	-0.14
	8724.00	89.94	177.96	7365.79	-816.49	-929.51	890.64	0.72	0.53
	8813.00	89.84	180.31	7365.97	-905.48	-928.16	979.21	2.65	-0.11
	8902.00	89.84	180.59	7366.21	-994.47	-928.86	1067.96	0.32	0.00
	8991.00	89.85	180.66	7366.46	-1083.47	-929.84	1156.73	0.08	0.02
	9080.00	89.77	179.66	7366.75	-1172.46	-930.09	1245.44	1.13	-0.09
	9169.00	89.76	179.60	7367.11	-1261.46	-929.52	1334.09	0.07	-0.01
	9258.00	89.69	179.87	7367.54	-1350.46	-929.12	1422.75	0.31	-0.08
	9347.00	89.70	179.36	7368.01	-1439.46	-928.52	1511.39	0.58	0.01
Cross Setback (460' FNL,945' FWL)	9383.15	89.77	179.26	7368.18	-1475.60	-928.09	1547.37	0.34	0.18
	9436.00	89.86	179.10	7368.35	-1528.45	-927.33	1599.97	0.34	0.18
	9525.00	89.84	179.85	7368.58	-1617.44	-926.52	1688.60	0.85	-0.02
	9614.00	89.66	179.07	7368.97	-1706.44	-925.68	1777.22	0.90	-0.21
	9703.00	89.77	179.31	7369.41	-1795.43	-924.43	1865.80	0.30	0.12
	9792.00	89.77	179.08	7369.77	-1884.42	-923.18	1954.38	0.26	0.01
	9882.00	89.58	178.55	7370.28	-1974.40	-921.33	2043.90	0.63	-0.21
	9971.00	89.72	178.94	7370.82	-2063.37	-919.38	2132.41	0.46	0.15
	10060.00	89.86	179.42	7371.14	-2152.36	-918.11	2220.99	0.56	0.16
	10149.00	89.68	178.66	7371.50	-2241.35	-916.62	2309.54	0.87	-0.20
	10238.00	89.79	179.36	7371.91	-2330.34	-915.08	2398.10	0.80	0.12
	10327.00	89.75	179.32	7372.28	-2419.33	-914.05	2486.70	0.06	-0.05
	10416.00	90.00	180.14	7372.47	-2508.33	-913.64	2575.36	0.97	0.29
	10505.00	90.00	179.43	7372.47	-2597.33	-913.31	2664.02	0.80	0.00
	10594.00	89.92	179.63	7372.53	-2686.32	-912.59	2752.65	0.24	-0.09
	10683.00	89.63	179.32	7372.88	-2775.32	-911.78	2841.28	0.47	-0.32
	10772.00	89.73	178.89	7373.37	-2864.31	-910.39	2929.84	0.50	0.10
	10861.00	89.74	178.23	7373.79	-2953.28	-908.15	3018.32	0.74	0.01
	10950.00	90.12	179.28	7373.91	-3042.25	-906.21	3106.84	1.26	0.43
	11039.00	90.11	178.63	7373.73	-3131.24	-904.59	3195.38	0.73	-0.01
	11128.00	90.26	178.79	7373.44	-3220.21	-902.58	3283.89	0.24	0.17
	11217.00	90.68	179.19	7372.71	-3309.20	-901.02	3372.43	0.66	0.48
	11306.00	91.09	179.35	7371.33	-3398.18	-899.89	3461.02	0.49	0.46
	11395.00	90.68	178.38	7369.95	-3487.15	-898.12	3549.53	1.19	-0.46
	11484.00	90.65	178.82	7368.91	-3576.12	-895.95	3638.02	0.50	-0.04
	11574.00	90.61	179.92	7367.93	-3666.10	-894.96	3727.61	1.23	-0.05
	11663.00	90.66	179.00	7366.95	-3755.09	-894.13	3816.23	1.04	0.06
	11752.00	90.69	179.50	7365.90	-3844.08	-892.96	3904.81	0.56	0.04
	11841.00	90.79	180.28	7364.75	-3933.07	-892.79	3993.48	0.89	0.11
	11930.00	90.71	179.57	7363.59	-4022.06	-892.68	4082.16	0.80	-0.09
	12019.00	90.72	179.78	7362.48	-4111.06	-892.18	4170.81	0.23	0.02
	12108.00	90.79	179.99	7361.30	-4200.05	-892.00	4259.48	0.25	0.08
	12198.00	90.70	179.41	7360.13	-4290.04	-891.52	4349.12	0.65	-0.11
	12287.00	90.58	179.34	7359.14	-4379.03	-890.55	4437.72	0.15	-0.13
	12376.00	90.68	178.59	7358.16	-4468.01	-888.95	4526.26	0.85	0.11
	12465.00	90.61	179.09	7357.17	-4556.98	-887.15	4614.79	0.58	-0.08
	12554.00	90.59	178.81	7356.23	-4645.96	-885.52	4703.33	0.32	-0.01
	12643.00	90.60	178.56	7355.30	-4734.93	-883.48	4791.82	0.28	0.01
	12732.00	90.73	179.21	7354.26	-4823.91	-881.74	4880.35	0.74	0.15
	12821.00	90.76	179.37	7353.10	-4912.90	-880.63	4968.94	0.18	0.02
	12910.00	90.64	180.15	7352.02	-5001.89	-880.26	5057.59	0.89	-0.13
	12999.00	90.96	179.96	7350.78	-5090.88	-880.35	5146.29	0.42	0.37
	13089.00	90.57	181.57	7349.58	-5180.86	-881.55	5236.06	1.84	-0.44
	13178.00	90.65	180.61	7348.64	-5269.84	-883.24	5324.87	1.08	0.10
	13267.00	90.75	179.56	7347.55	-5358.83	-883.38	5413.57	1.18	0.12
	13356.00	90.71	180.06	7346.41	-5447.82	-883.08	5502.23	0.55	-0.04
	13445.00	90.76	180.29	7345.26	-5536.81	-883.35	5590.94	0.27	0.05
	13534.00	90.02	180.02	7344.66	-5625.81	-883.59	5679.65	0.88	-0.83
	13623.00	89.60	180.56	7344.96	-5714.81	-884.04	5768.38	0.77	-0.48
	13712.00	89.71	179.55	7345.50	-5803.81	-884.12	5857.08	1.14	0.13
	13801.00	89.56	180.02	7346.06	-5892.80	-883.78	5945.74	0.55	-0.17
	13890.00	89.59	179.97	7346.72	-5981.80	-883.77	6034.43	0.06	0.03
	13979.00	89.75	180.26	7347.23	-6070.80	-883.94	6123.14	0.37	0.18
	14068.00	89.69	180.10	7347.67	-6159.80	-884.22	6211.86	0.19	-0.08
	14157.00	89.70	178.84	7348.14	-6248.79	-883.39	6300.48	1.41	0.02
	14247.00	89.69	179.77	7348.62	-6338.78	-882.30	6390.07	1.04	-0.01
	14336.00	89.58	179.19	7349.18	-6427.78	-881.50	6478.69	0.67	-0.12

Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	NS (ft)	EW (ft)	VSEC (ft)	DLS (°/100ft)	BR (°/100ft)
	14425.00	89.25	179.33	7350.09	-6516.76	-880.35	6567.28	0.40	-0.37
	14514.00	89.41	178.95	7351.13	-6605.75	-879.01	6655.84	0.46	0.17
	14603.00	89.66	178.64	7351.85	-6694.73	-877.13	6744.36	0.45	0.29
	14692.00	89.48	179.61	7352.52	-6783.71	-875.78	6832.93	1.11	-0.21
	14781.00	89.42	179.55	7353.38	-6872.70	-875.13	6921.56	0.10	-0.07
	14870.00	89.46	179.05	7354.25	-6961.69	-874.05	7010.16	0.57	0.05
	14959.00	89.53	179.64	7355.03	-7050.68	-873.03	7098.76	0.67	0.08
	15049.00	89.56	179.40	7355.74	-7140.68	-872.27	7188.38	0.27	0.03
	15138.00	89.39	179.43	7356.56	-7229.67	-871.36	7276.99	0.20	-0.20
	15227.00	89.53	179.33	7357.41	-7318.66	-870.40	7365.60	0.19	0.16
	15316.00	89.44	178.66	7358.21	-7407.64	-868.84	7454.14	0.77	-0.10
	15405.00	89.38	179.01	7359.13	-7496.62	-867.02	7542.66	0.40	-0.06
	15494.00	89.47	177.92	7360.01	-7585.58	-864.64	7631.12	1.23	0.10
	15583.00	89.60	179.05	7360.74	-7674.55	-862.29	7719.59	1.28	0.14
	15672.00	89.47	179.47	7361.46	-7763.54	-861.14	7808.18	0.49	-0.14
	15761.00	89.55	179.22	7362.22	-7852.53	-860.13	7896.78	0.30	0.09
	15851.00	89.49	178.79	7362.98	-7942.51	-858.57	7986.32	0.49	-0.06
	15940.00	89.27	178.80	7363.94	-8031.48	-856.70	8074.84	0.26	-0.26
	16029.00	89.29	179.80	7365.06	-8120.47	-855.61	8163.43	1.13	0.03
	16118.00	89.18	179.64	7366.25	-8209.46	-855.17	8252.08	0.22	-0.12
	16207.00	89.26	178.93	7367.46	-8298.44	-854.06	8340.66	0.80	0.09
	16296.00	89.31	179.00	7368.57	-8387.42	-852.46	8429.20	0.09	0.06
	16386.00	89.13	179.04	7369.79	-8477.40	-850.92	8518.75	0.20	-0.20
	16475.00	89.09	178.59	7371.18	-8566.37	-849.08	8607.26	0.50	-0.05
	16564.00	89.01	179.59	7372.66	-8655.35	-847.66	8695.81	1.12	-0.08
	16653.00	89.04	179.12	7374.17	-8744.33	-846.65	8784.40	0.53	0.03
	16742.00	88.83	178.96	7375.83	-8833.30	-845.16	8872.95	0.29	-0.23
	16831.00	89.07	179.57	7377.46	-8922.28	-844.03	8961.52	0.74	0.27
	16920.00	88.94	179.17	7379.01	-9011.26	-843.05	9050.12	0.47	-0.14
	17009.00	89.07	178.32	7380.56	-9100.22	-841.11	9138.62	0.97	0.14
	17098.00	89.12	179.30	7381.97	-9189.19	-839.25	9227.13	1.10	0.05
	17187.00	88.93	179.55	7383.48	-9278.17	-838.36	9315.73	0.35	-0.20
	17277.00	89.02	179.69	7385.09	-9368.16	-837.76	9405.35	0.18	0.09
	17366.00	89.12	179.00	7386.53	-9457.14	-836.74	9493.95	0.78	0.12
	17455.00	89.22	178.97	7387.82	-9546.12	-835.17	9582.49	0.11	0.11
	17544.00	89.12	178.68	7389.11	-9635.09	-833.35	9671.00	0.35	-0.11
	17633.00	89.10	178.92	7390.49	-9724.06	-831.48	9759.51	0.26	-0.02
	17722.00	89.21	179.03	7391.80	-9813.03	-829.89	9848.05	0.18	0.12
	17811.00	89.15	179.91	7393.07	-9902.02	-829.06	9936.66	0.99	-0.07
	17900.00	89.32	180.59	7394.26	-9991.01	-829.44	10025.38	0.79	0.18
	17989.00	89.04	180.60	7395.54	-10080.00	-830.37	10114.14	0.31	-0.31
	18079.00	89.12	180.42	7396.98	-10169.98	-831.16	10203.88	0.22	0.08
	18168.00	89.16	180.92	7398.32	-10258.96	-832.21	10292.64	0.57	0.05
	18257.00	89.10	181.23	7399.67	-10347.94	-833.88	10381.45	0.35	-0.07
	18346.00	89.09	180.65	7401.07	-10436.92	-835.34	10470.24	0.65	-0.01
	18435.00	89.17	180.94	7402.42	-10525.90	-836.58	10559.02	0.33	0.09
	18524.00	88.99	182.26	7403.85	-10614.85	-839.06	10647.87	1.50	-0.20
	18614.00	88.90	184.25	7405.50	-10704.68	-844.16	10737.82	2.22	-0.10
	18703.00	88.98	185.85	7407.15	-10793.32	-851.99	10826.80	1.80	0.09
	18792.00	89.01	187.97	7408.70	-10881.66	-862.70	10915.72	2.38	0.04
	18881.00	89.36	189.48	7409.97	-10969.61	-876.20	11004.50	1.74	0.38
	18970.00	89.17	191.78	7411.11	-11057.07	-892.61	11093.01	2.59	-0.21
Last SLB_MWD Survey	19059.00	89.04	192.77	7412.49	-11144.03	-911.54	11181.23	1.12	-0.15
Projection to Bit (473' FSL,942' FWL)	19102.00	89.04	192.77	7413.21	-11185.96	-921.04	11223.81	0.01	-0.01

Survey Type: Def Survey

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma

Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	28.000	1/98.425	13.500	9.625	NAL_MWD-NON_SLB-Depth Only	Original Hole / Dream Weaver South 3D-21H-N268 MWD 0' to 19102' Definitive
	1	28.000	2252.000	Act Stns	13.500	9.625	NAL_MWD-NON_SLB	Original Hole / Dream Weaver South 3D-21H-N268 MWD 0' to Original Hole / Dream Weaver
	1	2252.000	19102.000	Act Stns	8.500	5.500	NAL_MWD_PLUS_0.5_DEG	South 3D-21H-N268 MWD 0' to