

# Crestone Peak Resources

CO, Weld County (NAD 83 NZ)  
Sec 21 TwN 2 N Rng 68 W  
Dream Weaver North 3E-21H-N268 Original Hole  
05-123-48292  
Ensign 142



## Final Survey Report

2-Dec-2019

Well Coordinates:	NAD83 Colorado State Plane, NZ, US
	40.119953                      -105.011265
	1286919.52 usFt              3136679.34 usFt
Ground Level:	4901.00 ft MSL
TVD Reference:	KB 28ft @ 4929.00 ft MSL
Local Coordinate Origin:	Dream Weaver North 3E-21H-N268 well head
Vertical Section Azimuth:	356.890 ° (True North)
North Reference:	True North

DOX Version: 2.1

## Dream Weaver North 3E-21H-N268 MWD 0' to 19691' Definitive Survey

## Geodetic Report

(Def Survey)

<b>Report Date:</b>	December 02, 2019 - 03:10 PM	<b>Survey / DLS Computation:</b>	Minimum Curvature / Lubinski
<b>Client:</b>	Crestone Peak Resources	<b>Vertical Section Azimuth:</b>	356.890 ° (True North)
<b>Field:</b>	CO, Weld County (NAD 83 NZ) - 2019	<b>Vertical Section Origin:</b>	0.000 ft, 0.000 ft
<b>Structure / Slot:</b>	Crestone Peak 21-02N-68W (Dream Weaver Pad) / Dream Weaver North 3E-21H-N268	<b>TVD Reference Datum:</b>	KB 28ft
<b>Well:</b>	Dream Weaver North 3E-21H-N268	<b>TVD Reference Elevation:</b>	4929.000 ft above MSL
<b>Borehole:</b>	Original Hole	<b>Seabed / Ground Elevation:</b>	4901.000 ft above MSL
<b>UWI / API#:</b>	Unknown / 05-123-48292	<b>Magnetic Declination:</b>	8.352 °
<b>Survey Name:</b>	Dream Weaver North 3E-21H-N268 MWD 0' to 19691' Definitive	<b>Total Gravity Field Strength:</b>	998.9833mgm (9.80665 Based)
<b>Survey Date:</b>	September 05, 2019	<b>Gravity Model:</b>	GARM
<b>Tort / AHD / DDI / ERD Ratio:</b>	329.812 ° / 13540.838 ft / 7.074 / 1.826	<b>Total Magnetic Field Strength:</b>	51938.680 nT
<b>Coordinate Reference System:</b>	NAD83 Colorado State Plane, Northern Zone, US Feet	<b>Magnetic Dip Angle:</b>	66.428 °
<b>Location Lat / Long:</b>	N 40° 7' 11.83080", W 105° 0' 40.55400"	<b>Declination Date:</b>	November 10, 2019
<b>Location Grid N/E Y/X:</b>	N 1286919.518 ftUS, E 3136679.341 ftUS	<b>Magnetic Declination Model:</b>	HDGM 2019
<b>CRS Grid Convergence Angle:</b>	0.3158 °	<b>North Reference:</b>	True North
<b>Grid Scale Factor:</b>	0.99995944	<b>Grid Convergence Used:</b>	0.0000 °
<b>Version / Patch:</b>	2.10.787.0	<b>Total Corr Mag North-&gt;True North:</b>	8.3524 °
		<b>Local Coord Referenced To:</b>	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	116.00	0.35	229.83	116.00	-0.20	-0.24	-0.19	0.35	0.35
	206.00	0.62	220.43	206.00	-0.75	-0.76	-0.70	0.31	0.30
	296.00	1.58	196.52	295.98	-2.31	-1.43	-2.23	1.16	1.07
	387.00	1.85	193.45	386.94	-4.94	-2.13	-4.82	0.31	0.30
	476.00	2.11	213.57	475.89	-7.70	-3.37	-7.51	0.83	0.29
	547.00	2.02	247.86	546.84	-9.26	-5.25	-8.96	1.72	-0.13
	636.00	1.14	265.02	635.81	-9.93	-7.59	-9.50	1.11	-0.99
	725.00	1.34	212.17	724.79	-10.89	-9.02	-10.38	1.26	0.22
	814.00	3.41	214.81	813.71	-13.94	-11.09	-13.32	2.33	2.33
	903.00	5.34	211.63	902.45	-19.64	-14.77	-18.81	2.18	2.17
	993.00	7.76	217.04	991.85	-28.06	-20.63	-26.90	2.77	2.69
	1082.00	8.81	219.00	1079.92	-38.15	-28.54	-36.55	1.22	1.18
	1171.00	9.79	216.41	1167.75	-49.54	-37.32	-47.44	1.20	1.10
	1261.00	10.57	215.78	1256.33	-62.39	-46.69	-59.77	0.88	0.87
	1350.00	11.32	214.67	1343.71	-76.20	-56.43	-73.03	0.88	0.84
	1439.00	11.53	215.05	1430.95	-90.67	-66.50	-86.92	0.25	0.24
	1528.00	10.63	219.52	1518.29	-104.28	-76.84	-99.96	1.40	-1.01
	1618.00	11.11	219.56	1606.68	-117.37	-87.64	-112.44	0.53	0.53
	1703.00	9.45	221.99	1690.31	-128.87	-97.53	-123.39	2.02	-1.95
	1793.00	9.31	224.93	1779.11	-139.52	-107.61	-133.47	0.55	-0.16
	1882.00	9.48	227.47	1866.91	-149.57	-118.10	-142.94	0.50	0.19
	1968.00	9.49	230.06	1951.74	-158.91	-128.75	-151.69	0.50	0.01
	2057.00	9.89	221.58	2039.47	-169.33	-139.45	-161.52	1.66	0.45
	2147.00	10.40	222.32	2128.07	-181.12	-150.05	-172.71	0.58	0.57
Last Surface Survey	2193.00	10.82	227.05	2173.28	-187.13	-156.00	-178.39	2.10	0.91
9 5/8" Casing Begin	2238.00	10.71	220.15	2217.49	-193.21	-161.79	-184.14	2.87	-0.25
SLB_MWD Survey	2328.00	10.94	206.41	2305.90	-207.25	-170.98	-197.67	2.87	0.26
	2417.00	11.32	232.92	2393.29	-220.09	-181.72	-209.90	5.71	0.43
	2506.00	10.74	225.40	2480.65	-231.18	-194.59	-220.28	1.74	-0.65
	2596.00	10.95	227.03	2569.04	-242.89	-206.82	-231.31	0.41	0.23
	2685.00	10.86	221.28	2656.44	-254.95	-218.53	-242.72	1.23	-0.11
	2774.00	11.30	221.68	2743.78	-267.76	-229.86	-254.89	0.50	0.49
	2863.00	11.13	222.03	2831.08	-280.65	-241.40	-267.14	0.20	-0.19
	2952.00	10.72	219.96	2918.47	-293.37	-252.47	-279.24	0.64	-0.46
	3041.00	10.81	222.24	3005.90	-305.89	-263.39	-291.15	0.49	0.10
	3130.00	9.68	218.06	3093.48	-317.96	-273.61	-302.65	1.52	-1.27
	3219.00	10.87	224.25	3181.06	-329.86	-284.08	-313.96	1.82	1.34
	3308.00	10.71	223.71	3268.48	-341.85	-295.65	-325.31	0.21	-0.18
	3397.00	10.92	224.31	3355.90	-353.86	-307.26	-336.67	0.27	0.24
	3486.00	9.57	221.45	3443.48	-365.44	-318.04	-347.65	1.62	-1.52
	3575.00	10.86	223.05	3531.07	-377.11	-328.67	-358.73	1.48	1.45
	3664.00	11.30	225.39	3618.41	-389.36	-340.60	-370.31	0.71	0.50
	3753.00	11.23	224.20	3705.70	-401.70	-352.84	-381.96	0.27	-0.08
	3842.00	11.16	224.85	3793.01	-414.01	-364.96	-393.60	0.16	-0.08
	3931.00	11.20	222.70	3880.32	-426.47	-376.89	-405.40	0.47	0.05
	4020.00	11.25	223.26	3967.61	-439.15	-388.70	-417.41	0.13	0.05
	4109.00	11.01	223.21	4054.94	-451.66	-400.47	-429.27	0.27	-0.27
	4198.00	10.96	224.02	4142.31	-463.94	-412.16	-440.89	0.18	-0.06
	4287.00	10.86	223.81	4229.70	-476.07	-423.85	-452.37	0.12	-0.11
	4376.00	10.53	220.53	4317.16	-488.30	-434.94	-463.99	0.78	-0.36
	4465.00	10.27	219.12	4404.69	-500.64	-445.23	-475.75	0.41	-0.30
	4554.00	10.71	217.72	4492.21	-513.34	-455.29	-487.88	0.57	0.49
	4643.00	10.44	217.64	4579.70	-526.27	-465.28	-500.25	0.29	-0.29
	4732.00	11.53	222.89	4667.07	-539.17	-476.26	-512.54	1.65	1.22
	4822.00	11.65	221.42	4755.23	-552.57	-488.39	-525.26	0.35	0.13
	4911.00	11.55	222.78	4842.41	-565.85	-500.38	-537.87	0.32	-0.11
	5000.00	11.35	220.74	4929.64	-579.03	-512.15	-550.39	0.51	-0.22
	5089.00	11.57	226.05	5016.87	-591.86	-524.30	-562.54	1.21	0.24
	5178.00	10.73	222.85	5104.19	-604.13	-536.36	-574.14	1.17	-0.94
	5267.00	11.45	225.51	5191.53	-616.39	-548.29	-585.74	0.99	0.81
	5356.00	11.76	222.75	5278.71	-629.24	-560.75	-597.89	0.71	0.35
	5445.00	11.41	219.28	5365.90	-642.72	-572.48	-610.71	0.88	-0.39
	5534.00	11.38	220.48	5453.14	-656.21	-583.76	-623.57	0.27	-0.03
	5623.00	10.33	221.85	5540.55	-668.83	-594.78	-635.58	1.21	-1.18

...Original Hole\Dream Weaver North 3E-21H-N268 MWD 0' to 19691' Definitive

Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	NS (ft)	EW (ft)	VSEC (ft)	DLS (°/100ft)	BR (°/100ft)
	5712.00	9.57	218.24	5628.21	-680.59	-604.68	-646.78	1.10	-0.85
	5802.00	11.49	221.54	5716.69	-693.18	-615.26	-658.78	2.24	2.13
	5891.00	11.71	221.20	5803.87	-706.61	-627.09	-671.54	0.26	0.25
	5980.00	11.91	218.21	5890.99	-720.62	-638.72	-684.90	0.72	0.22
	6069.00	11.70	218.76	5978.11	-734.87	-650.05	-698.52	0.27	-0.24
	6158.00	11.18	219.77	6065.34	-748.54	-661.22	-711.56	0.63	-0.58
	6247.00	11.70	220.73	6152.57	-762.01	-672.62	-724.40	0.62	0.58
	6336.00	10.70	217.15	6239.88	-775.43	-683.50	-737.21	1.37	-1.12
	6425.00	5.65	207.06	6327.95	-785.93	-690.49	-747.31	5.88	-5.67
	6514.00	1.99	206.72	6416.73	-791.21	-693.18	-752.44	4.11	-4.11
	6603.00	0.60	184.07	6505.71	-793.06	-693.91	-754.24	1.63	-1.56
	6692.00	0.43	75.55	6594.71	-793.44	-693.62	-754.64	0.95	-0.19
	6782.00	0.73	303.36	6684.71	-793.04	-693.77	-754.23	1.19	0.33
	6871.00	9.50	347.49	6773.27	-785.54	-695.84	-746.63	10.10	9.85
	6960.00	14.43	343.72	6860.31	-767.72	-700.54	-728.58	5.61	5.54
	7049.00	18.91	353.04	6945.57	-742.74	-705.40	-703.37	5.85	5.03
	7138.00	25.26	0.25	7028.01	-709.39	-707.07	-669.99	7.75	7.13
	7227.00	32.12	0.84	7106.04	-666.70	-706.64	-627.38	7.71	7.71
Cross Setback (460' FSL, 1101' FWL)	7243.40	33.72	0.15	7119.80	-657.78	-706.56	-618.48	10.03	9.77
	7316.00	40.85	357.66	7177.53	-613.85	-707.48	-574.56	10.03	9.82
	7405.00	48.32	357.20	7240.87	-551.48	-710.30	-512.13	8.40	8.39
	7494.00	54.90	358.65	7296.11	-481.81	-712.78	-442.43	7.50	7.39
	7583.00	61.98	359.07	7342.67	-406.04	-714.28	-366.69	7.97	7.96
	7672.00	72.46	1.93	7377.09	-324.11	-713.48	-284.92	12.14	11.78
	7761.00	79.64	1.79	7398.53	-237.83	-710.68	-198.93	8.07	8.07
	7850.00	84.59	1.66	7410.73	-149.74	-708.03	-111.11	5.56	5.56
	7940.00	89.42	359.52	7415.43	-59.90	-707.11	-21.45	5.87	5.37
	8029.00	90.64	359.54	7415.39	29.09	-707.84	67.45	1.37	1.37
	8118.00	90.55	357.77	7414.46	118.06	-709.93	156.40	1.99	-0.10
	8207.00	90.20	357.00	7413.88	206.96	-713.99	245.40	0.95	-0.39
	8296.00	89.75	351.67	7413.92	295.50	-722.77	334.27	6.02	-0.51
	8385.00	90.32	357.46	7413.87	384.06	-731.19	423.16	6.54	0.65
	8474.00	90.67	358.08	7413.09	472.99	-734.66	512.15	0.80	0.40
	8563.00	90.56	358.42	7412.13	561.94	-737.38	601.12	0.40	-0.13
	8652.00	90.26	2.18	7411.50	650.92	-736.92	689.94	4.24	-0.33
	8741.00	90.52	1.95	7410.89	739.86	-733.72	778.58	0.39	0.29
	8831.00	91.23	359.73	7409.51	829.84	-732.40	868.35	2.59	0.79
	8920.00	91.16	359.60	7407.66	918.81	-732.92	957.22	0.16	-0.08
	9009.00	90.79	4.59	7406.15	1007.71	-729.67	1045.82	5.62	-0.41
	9098.00	90.95	357.35	7404.79	1096.63	-728.17	1134.52	8.14	0.18
	9187.00	90.52	352.66	7403.65	1185.26	-735.91	1223.44	5.29	-0.49
	9276.00	90.91	0.33	7402.54	1274.02	-741.34	1312.37	8.63	0.43
	9365.00	91.24	359.30	7400.87	1363.00	-741.63	1401.23	1.22	0.38
	9455.00	90.62	358.66	7399.41	1452.98	-743.23	1491.16	1.00	-0.70
	9544.00	90.76	359.21	7398.34	1541.96	-744.89	1580.10	0.64	0.16
	9633.00	90.42	359.92	7397.42	1630.95	-745.56	1668.99	0.88	-0.38
	9722.00	90.15	0.24	7396.98	1719.95	-745.44	1757.86	0.47	-0.30
	9811.00	90.10	359.23	7396.78	1808.94	-745.85	1846.74	1.13	-0.06
	9900.00	90.80	359.97	7396.09	1897.94	-746.47	1935.64	1.14	0.79
	9989.00	91.13	0.27	7394.59	1986.92	-746.28	2024.49	0.51	0.37
	10079.00	90.95	0.59	7392.96	2076.91	-745.60	2114.30	0.40	-0.20
	10168.00	90.66	359.54	7391.70	2165.90	-745.50	2203.15	1.22	-0.33
	10257.00	90.79	358.04	7390.58	2254.87	-747.37	2292.09	1.69	0.14
	10346.00	90.86	357.42	7389.30	2343.79	-750.90	2381.07	0.70	0.08
	10435.00	90.58	356.91	7388.18	2432.67	-755.30	2470.07	0.66	-0.31
	10524.00	90.68	356.09	7387.20	2521.50	-760.73	2559.06	0.93	0.11
	10613.00	91.09	356.71	7385.82	2610.31	-766.32	2648.04	0.84	0.47
	10702.00	90.68	358.03	7384.45	2699.21	-770.40	2737.03	1.55	-0.46
	10791.00	90.36	356.37	7383.63	2788.09	-774.75	2826.02	1.90	-0.36
	10880.00	90.86	2.60	7382.69	2877.04	-775.55	2914.88	7.02	0.55
	10970.00	90.82	5.34	7381.37	2966.81	-769.32	3004.17	3.05	-0.04
	11059.00	90.94	5.44	7380.00	3055.40	-760.97	3092.19	0.17	0.13
	11148.00	90.71	0.70	7378.72	3144.24	-756.20	3180.64	5.32	-0.26
	11237.00	90.60	356.76	7377.70	3233.19	-758.18	3269.57	4.44	-0.12
	11326.00	90.58	356.08	7376.78	3322.02	-763.74	3358.56	0.76	-0.02
	11415.00	90.67	356.94	7375.81	3410.84	-769.16	3447.55	0.98	0.10
	11504.00	90.75	357.43	7374.71	3499.73	-773.52	3536.54	0.56	0.10
	11593.00	90.62	356.94	7373.64	3588.62	-777.89	3625.53	0.57	-0.15
	11682.00	90.44	357.86	7372.82	3677.52	-781.92	3714.53	1.06	-0.20
	11772.00	90.72	358.55	7371.91	3767.47	-784.74	3804.50	0.83	0.32
	11861.00	90.32	358.51	7371.10	3856.44	-787.02	3893.46	0.45	-0.45
	11950.00	90.72	359.32	7370.29	3945.42	-788.71	3982.40	1.02	0.45
	12039.00	90.61	359.00	7369.26	4034.40	-790.02	4071.32	0.38	-0.12
	12128.00	90.79	359.70	7368.17	4123.39	-791.03	4160.23	0.81	0.20
	12218.00	90.49	0.38	7367.16	4213.38	-790.96	4250.09	0.83	-0.33
	12307.00	90.25	355.65	7366.59	4302.30	-794.04	4339.04	5.32	-0.27
	12396.00	90.49	356.81	7366.01	4391.11	-799.89	4428.03	1.34	0.27
	12485.00	90.71	359.06	7365.08	4480.04	-803.09	4517.01	2.54	0.25
	12574.00	91.03	1.98	7363.72	4569.01	-802.28	4605.81	3.30	0.36
	12663.00	90.95	2.47	7362.18	4657.93	-798.83	4694.41	0.55	-0.09
	12752.00	90.69	0.35	7360.90	4746.89	-796.64	4783.12	2.39	-0.29
	12841.00	90.73	359.42	7359.80	4835.88	-796.81	4871.99	1.05	0.04
	12931.00	90.78	358.30	7358.61	4925.86	-798.60	4961.93	1.25	0.06
	13020.00	90.35	358.21	7357.74	5014.81	-801.31	5050.90	0.49	-0.48
	13109.00	90.62	358.18	7356.98	5103.76	-804.11	5139.87	0.31	0.31
	13198.00	90.78	358.34	7355.89	5192.72	-806.81	5228.84	0.25	0.18
	13287.00	90.49	357.96	7354.91	5281.66	-809.68	5317.81	0.54	-0.33
	13376.00	90.69	357.55	7353.99	5370.59	-813.16	5406.80	0.51	0.23
	13465.00	90.52	358.32	7353.05	5459.53	-816.37	5495.78	0.88	-0.19
	13554.00	90.70	358.83	7352.10	5548.49	-818.58	5584.73	0.61	0.20
	13643.00	90.48	359.43	7351.19	5637.48	-819.93	5673.66	0.71	-0.24
	13732.00	90.59	0.24	7350.36	5726.47	-820.19	5762.54	0.92	0.12
	13821.00	90.58	0.26	7349.46	5815.47	-819.79	5851.38	0.03	-0.01
	13911.00	90.65	0.20	7348.49	5905.46	-819.43	5941.22	0.11	0.08
	14000.00	90.02	0.70	7347.97	5994.46	-818.73	6030.05	0.90	-0.71
	14089.00	90.43	1.91	7347.62	6083.43	-816.71	6118.78	1.44	0.45
	14178.00	90.61	5.11	7346.81	6172.25	-811.26	6207.17	3.60	0.21
	14267.00	90.62	6.77	7345.85	6260.76	-802.05	6295.06	1.87	0.01
	14356.00	90.64	6.73	7344.87	6349.14	-791.59	6382.74	0.04	0.01

...Original Hole\Dream Weaver North 3E-21H-N268 MWD 0' to 19691' Definitive

Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	NS (ft)	EW (ft)	VSEC (ft)	DLS (°/100ft)	BR (°/100ft)
	14445.00	90.64	6.19	7343.88	6437.57	-781.57	6470.49	0.61	0.00
	14534.00	90.55	3.85	7342.95	6526.22	-773.78	6558.58	2.62	-0.09
	14623.00	90.61	2.16	7342.05	6615.09	-769.11	6647.07	1.91	0.06
	14713.00	90.51	1.47	7341.17	6705.04	-766.26	6736.73	0.77	-0.11
	14802.00	90.57	1.76	7340.33	6794.00	-763.75	6825.43	0.33	0.06
	14891.00	90.61	2.61	7339.42	6882.93	-760.35	6914.04	0.96	0.05
	14980.00	90.77	3.86	7338.34	6971.78	-755.32	7002.49	1.42	0.18
	15069.00	90.71	4.50	7337.19	7060.53	-748.83	7090.76	0.71	-0.07
	15158.00	90.70	5.08	7336.10	7149.21	-741.41	7178.91	0.66	-0.01
	15247.00	90.64	5.66	7335.06	7237.82	-733.08	7266.93	0.66	-0.06
	15336.00	90.53	4.78	7334.15	7326.44	-724.98	7354.98	1.00	-0.12
	15425.00	90.55	4.97	7333.31	7415.12	-717.41	7443.12	0.22	0.02
	15514.00	90.56	5.13	7332.45	7503.77	-709.57	7531.21	0.18	0.01
	15603.00	90.09	4.14	7331.95	7592.47	-702.37	7619.39	1.23	-0.52
	15692.00	90.33	3.66	7331.62	7681.26	-696.32	7707.73	0.60	0.26
	15782.00	90.25	3.67	7331.17	7771.08	-690.57	7797.10	0.08	-0.08
	15871.00	90.29	3.81	7330.75	7859.89	-684.76	7885.46	0.16	0.04
	15960.00	90.23	2.69	7330.35	7948.74	-679.72	7973.91	1.26	-0.06
	16049.00	90.50	2.74	7329.79	8037.64	-675.50	8062.45	0.31	0.30
	16138.00	90.14	3.15	7329.29	8126.52	-670.93	8150.95	0.61	-0.41
	16227.00	90.16	3.13	7329.06	8215.39	-666.05	8239.42	0.04	0.02
	16316.00	90.27	2.62	7328.73	8304.27	-661.59	8327.94	0.59	0.13
	16405.00	90.38	4.03	7328.22	8393.12	-656.43	8416.37	1.59	0.12
	16494.00	90.42	4.73	7327.60	8481.86	-649.64	8504.61	0.79	0.05
	16583.00	90.56	5.01	7326.83	8570.53	-642.08	8592.75	0.35	0.16
	16672.00	90.67	5.17	7325.87	8659.18	-634.20	8680.83	0.22	0.12
	16761.00	90.86	5.32	7324.69	8747.80	-626.07	8768.88	0.27	0.21
	16850.00	91.03	5.42	7323.23	8836.40	-617.74	8856.90	0.22	0.19
	16939.00	91.30	5.50	7321.41	8924.98	-609.28	8944.89	0.32	0.31
	17029.00	92.31	6.17	7318.58	9014.46	-600.14	9033.75	1.34	1.12
	17118.00	92.23	5.02	7315.05	9102.97	-591.47	9121.65	1.30	-0.08
	17207.00	93.04	4.89	7310.95	9191.54	-583.79	9209.68	0.92	0.91
	17296.00	93.21	4.85	7306.10	9280.09	-576.24	9297.68	0.20	0.19
	17385.00	93.23	3.09	7301.10	9368.73	-570.09	9385.86	1.98	0.02
	17474.00	93.13	1.14	7296.16	9457.53	-566.81	9474.35	2.18	-0.10
	17563.00	93.32	0.65	7291.15	9546.38	-565.42	9562.99	0.60	0.21
	17652.00	93.31	359.25	7286.00	9635.22	-565.50	9651.71	1.56	-0.01
	17741.00	93.14	358.09	7280.99	9724.06	-567.56	9740.53	1.33	-0.20
	17830.00	93.11	357.24	7276.15	9812.85	-571.18	9829.39	0.95	-0.03
	17919.00	93.02	356.55	7271.39	9901.59	-575.99	9918.26	0.78	-0.10
	18008.00	93.32	355.84	7266.47	9990.26	-581.88	10007.12	0.86	0.33
	18098.00	93.20	356.36	7261.35	10079.91	-587.99	10096.96	0.59	-0.13
	18187.00	93.20	357.07	7256.38	10168.62	-593.09	10185.82	0.80	0.00
	18276.00	93.07	357.21	7251.52	10257.38	-597.52	10274.69	0.21	-0.15
	18365.00	93.14	357.34	7246.70	10346.15	-601.75	10363.56	0.18	0.08
	18454.00	92.08	358.44	7242.64	10434.99	-605.02	10452.45	1.71	-1.19
	18543.00	91.85	358.25	7239.58	10523.90	-607.58	10541.36	0.34	-0.26
	18632.00	90.30	358.59	7237.91	10612.85	-610.03	10630.31	1.79	-1.75
	18721.00	90.45	1.72	7237.33	10701.84	-609.80	10719.16	3.52	0.17
	18810.00	90.73	1.89	7236.41	10790.79	-607.00	10807.83	0.37	0.32
	18899.00	91.88	1.01	7234.37	10879.73	-604.74	10896.52	1.62	1.29
	18988.00	92.07	0.29	7231.30	10968.67	-603.73	10985.27	0.85	0.21
	19078.00	92.60	0.10	7227.63	11058.60	-603.43	11075.05	0.62	0.58
	19167.00	92.42	358.83	7223.73	11147.51	-604.26	11163.87	1.43	-0.20
	19256.00	92.68	358.34	7219.77	11236.39	-606.45	11252.74	0.62	0.29
	19345.00	92.58	357.32	7215.69	11325.23	-609.82	11341.64	1.15	-0.11
	19434.00	92.43	355.95	7211.80	11413.99	-615.04	11430.55	1.55	-0.16
	19523.00	92.39	354.93	7208.06	11502.63	-622.10	11519.44	1.15	-0.05
	19612.00	92.31	354.36	7204.41	11591.17	-630.40	11608.30	0.65	-0.08
Last SLB_MWD Survey	19668.00	92.88	354.35	7201.87	11646.84	-635.91	11664.18	1.02	1.02
Projection to Bit (2187' FSL, 1130' FWL)	19691.00	92.88	354.35	7200.71	11669.70	-638.17	11687.13	0.02	-0.02

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 North 3E-21H-N268 MWD 0' to 19691' Definitive
	1	28.000	2238.000	Act Stns	13.500	9.625	NAL_MWD-NON_SLB	Original Hole / Dream Weaver North 3E-21H-N268 MWD 0' to Original Hole / Dream Weaver
	1	2238.000	19691.000	Act Stns	8.500	5.500	NAL_MWD_PLUS_0.5_DEG	North 3E-21H-N268 MWD 0' to

...Original Hole\Dream Weaver North 3E-21H-N268 MWD 0' to 19691' Definitive