

Crestone Peak Resources

CO, Weld County (NAD 83 NZ)
Sec 21 Twn 02 N Rng 68 W
Dream Weaver South 3J-21H-N268 Original Hole
05-123-47954
Ensign 142



Final Survey Report

5-Mar-2020

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

40.119502 -105.010895
1286755.8 usFt 3136783.72 usFt

Ground Level: 4901.00 ft MSL
TVD Reference: KB 28ft @ 4929.00 ft MSL
Local Coordinate Origin: Dream Weaver South 3J-21H-N268 well head
Vertical Section Azimuth: 177.260 ° (True North)
North Reference: True North

DOX Version: 2.1

Dream Weaver South 3J-21H-N268 MWD 0' to 19242' Definitive Survey Geodetic Report (Def Survey)



Report Date: March 05, 2020 - 10:25 AM	Survey / DLS Computation: Minimum Curvature / Lubinski	
Client: Crestone Peak Resources	Vertical Section Azimuth: 177.260 ° (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 3J-21H-N268	TVD Reference Datum: KB 28ft	
Well: Dream Weaver South 3J-21H-N268	TVD Reference Elevation: 4929.000 ft above MSL	
Borehole: Original Hole	Seabed / Ground Elevation: 4901.000 ft above MSL	
UWI / API#: Unknown / 05-123-47954	Magnetic Declination: 8.328 °	
Survey Name: Dream Weaver South 3J-21H-N268 MWD 0' to 19242' Definitive	Total Gravity Field Strength: 998.9832mgn (9.80665 Based)	
Survey Date: September 11, 2019	Gravity Model: GARM	
Tort / AHD / DDI / ERD Ratio: 314.204 ° / 12902.834 ft / 7.008 / 1.686	Total Magnetic Field Strength: 51911.635 nT	
Coordinate Reference System: NAD83 Colorado State Plane, Northern Zone, US Feet	Magnetic Dip Angle: 66.415 °	
Location Lat / Long: N 40° 7' 10.20720", W 105° 0' 39.22200"	Declination Date: February 11, 2020	
Location Grid N/E Y/X: N 1286755.801 ftUS, E 3136783.720 ftUS	Magnetic Declination Model: HDGM 2019	
CRS Grid Convergence Angle: 0.3160 °	North Reference: True North	
Grid Scale Factor: 0.99995946	Grid Convergence Used: 0.0000 °	
Version / Patch: 2.10.787.0	Total Corr Mag North->True North: 8.3278 °	
	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	177.00	0.35	322.29	177.00	0.39	-0.30	-0.41	0.22	0.22
	268.00	0.79	311.75	267.99	1.03	-0.94	-1.07	0.50	0.48
	389.00	2.55	17.58	388.95	4.15	-0.75	-4.18	1.93	1.45
	478.00	4.57	40.25	477.77	8.75	2.14	-8.63	2.72	2.27
	548.00	5.27	40.80	547.51	13.31	6.04	-13.00	1.00	1.00
	637.00	6.04	36.87	636.08	20.15	11.52	-19.57	0.97	0.87
	726.00	6.71	35.95	724.53	28.10	17.38	-27.24	0.76	0.75
	815.00	7.10	35.27	812.88	36.80	23.61	-35.63	0.45	0.44
	904.00	7.89	33.57	901.12	46.38	30.17	-44.89	0.92	0.89
	994.00	8.79	32.14	990.17	57.35	37.24	-55.51	1.03	1.00
	1083.00	9.81	33.05	1078.00	69.47	44.99	-67.24	1.16	1.15
	1172.00	10.58	30.65	1165.59	82.85	53.29	-80.21	0.99	0.87
	1262.00	10.39	28.63	1254.09	97.08	61.39	-94.04	0.46	-0.21
	1351.00	8.43	26.46	1341.89	109.97	68.15	-106.58	2.24	-2.20
	1440.00	8.30	22.33	1429.94	121.75	73.50	-118.10	0.69	-0.15
	1529.00	8.40	20.60	1518.00	133.78	78.22	-129.89	0.30	0.11
	1615.00	8.70	22.98	1603.05	145.65	82.97	-141.51	0.54	0.35
	1704.00	7.86	33.47	1691.12	156.92	88.96	-152.49	1.94	-0.94
	1794.00	7.72	34.03	1780.29	167.06	95.73	-162.30	0.18	-0.16
	1883.00	7.20	34.41	1868.54	176.62	102.23	-171.53	0.59	-0.58
	1969.00	7.08	36.99	1953.87	185.30	108.47	-179.90	0.40	-0.14
	2058.00	6.89	38.83	2042.21	193.84	115.11	-188.11	0.33	-0.21
Last Surface Survey	2172.00	8.29	36.81	2155.21	205.75	124.33	-199.57	1.25	1.23
9 5/8" Casing Begin	2220.00	8.18	39.66	2202.71	211.15	128.58	-204.76	0.88	-0.22
SLB_MWD Survey	2277.00	8.08	43.12	2259.14	217.20	133.91	-210.55	0.88	-0.17
	2366.00	8.83	43.67	2347.17	226.70	142.90	-219.61	0.84	0.84
	2455.00	9.52	37.66	2435.04	237.47	152.12	-229.93	1.33	0.78
	2544.00	10.87	32.05	2522.63	250.41	161.07	-242.43	1.88	1.52
	2633.00	11.46	28.90	2609.95	265.27	169.79	-256.85	0.95	0.66
	2722.00	10.32	26.64	2697.34	280.13	177.64	-271.32	1.37	-1.28
	2811.00	10.05	28.49	2784.94	294.08	184.92	-284.91	0.48	-0.30
	2900.00	10.59	28.37	2872.50	308.10	192.51	-298.55	0.61	0.61
	2989.00	10.34	29.01	2960.02	322.29	200.27	-312.34	0.31	-0.28
	3079.00	10.46	26.01	3048.54	336.69	207.77	-326.37	0.62	0.13
	3168.00	10.37	28.44	3136.08	351.00	215.13	-340.31	0.50	-0.10
	3257.00	10.48	29.02	3223.61	365.12	222.87	-354.05	0.17	0.12
	3346.00	10.02	33.77	3311.19	378.63	231.10	-367.15	1.08	-0.52
	3435.00	10.12	33.53	3398.82	391.59	239.72	-379.68	0.12	0.11
	3524.00	10.34	34.45	3486.40	404.69	248.56	-392.35	0.31	0.25
	3613.00	10.81	33.67	3573.89	418.22	257.71	-405.43	0.55	0.53
	3702.00	11.02	33.23	3661.28	432.28	266.99	-419.03	0.25	0.24
	3791.00	10.38	36.10	3748.73	445.88	276.38	-432.16	0.94	-0.72
	3881.00	10.27	35.01	3837.28	459.00	285.76	-444.82	0.25	-0.12
	3970.00	11.12	39.27	3924.73	472.14	295.74	-457.47	1.30	0.96
	4059.00	11.02	33.77	4012.08	485.86	305.91	-470.68	1.19	-0.11
	4148.00	11.55	33.44	4099.36	500.37	315.54	-484.71	0.60	0.60
	4237.00	10.86	30.17	4186.66	515.05	324.67	-498.94	1.05	-0.78
	4326.00	12.02	36.90	4273.89	529.71	334.45	-513.12	1.98	1.30
	4415.00	10.98	35.08	4361.11	544.06	344.88	-526.95	1.24	-1.17
	4505.00	10.24	33.26	4449.57	557.76	354.20	-540.19	0.90	-0.82
	4594.00	10.82	32.94	4537.07	571.39	363.08	-553.38	0.65	0.65
	4683.00	9.57	31.27	4624.66	584.72	371.46	-566.30	1.44	-1.40
	4772.00	9.92	34.09	4712.38	597.39	379.60	-578.56	0.66	0.39
	4861.00	10.35	30.81	4799.99	610.61	387.99	-591.36	0.81	0.48
	4950.00	10.99	28.69	4887.45	624.92	396.16	-605.27	0.84	0.72
	4963.00	10.91	28.45	4900.21	627.09	397.34	-607.38	0.71	-0.62
	5071.00	10.45	31.42	5006.34	644.43	407.31	-624.22	0.66	-0.43
	5160.00	10.26	30.78	5093.89	658.13	415.58	-637.51	0.25	-0.21
	5249.00	10.30	31.39	5181.46	671.73	423.78	-650.70	0.13	0.04
	5338.00	10.65	32.71	5268.98	685.44	432.36	-663.99	0.48	0.39
	5427.00	10.37	31.69	5356.49	699.18	441.02	-677.30	0.38	-0.31
	5516.00	10.26	30.94	5444.05	712.79	449.30	-690.50	0.20	-0.12
	5605.00	10.27	31.98	5531.63	726.32	457.58	-703.62	0.21	0.01
	5694.00	10.20	32.80	5619.21	739.67	466.05	-716.55	0.18	-0.08

...Original Hole\Dream Weaver South 3J-21H-N268 MWD 0' to 19242' Definitive

Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	NS (ft)	EW (ft)	VSEC (ft)	DLS (°/100ft)	BR (°/100ft)
	5784.00	10.68	32.21	5707.72	753.43	474.81	-729.87	0.55	0.53
	5873.00	10.26	32.09	5795.24	767.12	483.42	-743.14	0.47	-0.47
	5962.00	8.99	27.59	5882.98	780.00	490.85	-755.64	1.66	-1.43
	6051.00	7.24	17.63	5971.09	791.51	495.77	-766.91	2.52	-1.97
	6140.00	5.57	15.58	6059.54	801.02	498.63	-776.26	1.89	-1.88
	6229.00	3.66	25.24	6148.24	807.75	501.00	-782.87	2.31	-2.15
	6318.00	1.34	78.84	6237.16	810.52	503.23	-785.53	3.44	-2.61
	6407.00	0.13	326.11	6326.15	810.80	504.20	-785.77	1.57	-1.36
	6496.00	0.10	10.70	6415.15	810.96	504.15	-785.94	0.10	-0.03
	6586.00	0.13	258.38	6505.15	811.02	504.07	-786.00	0.21	0.03
	6675.00	0.07	231.86	6594.15	810.97	503.93	-785.95	0.08	-0.07
	6764.00	0.09	94.88	6683.15	810.93	503.95	-785.91	0.17	0.02
	6853.00	0.19	67.46	6772.15	810.98	504.16	-785.95	0.13	0.11
	6942.00	6.63	176.23	6860.96	805.90	504.63	-780.86	7.52	7.24
	7031.00	13.03	175.71	6948.60	790.75	505.72	-765.67	7.19	7.19
	7121.00	18.57	179.51	7035.17	766.29	506.61	-741.19	6.26	6.16
	7210.00	25.22	181.46	7117.71	733.12	506.24	-708.08	7.52	7.47
	7299.00	32.12	179.68	7195.75	690.46	505.89	-665.48	7.81	7.75
	7388.00	38.44	177.59	7268.37	639.10	507.19	-614.12	7.23	7.10
	7477.00	44.29	177.12	7335.14	580.37	509.92	-555.33	6.58	6.57
	7566.00	53.10	176.79	7393.83	513.68	513.48	-488.54	9.90	9.90
	7655.00	60.08	180.21	7442.81	439.47	515.33	-414.33	8.47	7.84
	7745.00	68.26	182.39	7481.99	358.56	513.44	-333.61	9.35	9.09
	7834.00	76.43	182.75	7508.96	273.91	509.64	-249.23	9.19	9.18
	7923.00	84.81	181.58	7523.46	186.24	506.33	-161.82	9.50	9.42
	8012.00	88.23	177.50	7528.86	97.44	507.05	-73.09	5.97	3.84
	8101.00	88.78	181.12	7531.18	8.49	508.12	15.81	4.11	0.62
	8190.00	89.30	181.03	7532.67	-80.48	506.45	104.60	0.59	0.58
	8279.00	88.63	179.98	7534.28	-169.46	505.67	193.44	1.40	-0.75
	8368.00	89.53	177.22	7535.71	-258.41	507.84	282.39	3.26	1.01
	8457.00	89.50	181.74	7536.47	-347.38	508.65	371.30	5.08	-0.03
	8547.00	89.07	179.01	7537.59	-437.36	508.06	461.15	3.07	-0.48
	8636.00	88.95	181.69	7539.13	-526.34	507.52	550.00	3.01	-0.13
	8725.00	88.75	181.89	7540.91	-615.28	504.74	638.70	0.32	-0.22
	8814.00	89.09	178.26	7542.59	-704.25	504.62	727.57	4.10	0.38
	8903.00	89.49	178.72	7543.69	-793.21	506.97	816.54	0.68	0.45
	8992.00	89.86	179.65	7544.20	-882.20	508.23	905.49	1.12	0.42
	9081.00	89.84	178.36	7544.43	-971.18	509.78	994.44	1.45	-0.02
	9170.00	89.45	178.07	7544.98	-1060.14	512.55	1083.43	0.55	-0.44
	9259.00	89.87	179.70	7545.51	-1149.12	514.28	1172.39	1.89	0.47
	9348.00	89.24	179.70	7546.20	-1238.11	514.75	1261.30	0.71	-0.71
	9438.00	89.40	181.27	7547.27	-1328.10	513.99	1351.15	1.75	0.18
Cross Setback - (460' FNL,2425' FWL)	9521.31	89.44	180.30	7548.12	-1411.40	512.85	1434.30	1.17	0.04
	9527.00	89.44	180.23	7548.17	-1417.09	512.82	1439.98	1.17	0.05
	9616.00	89.95	182.73	7548.65	-1506.05	510.52	1528.73	2.87	0.57
	9705.00	89.89	181.24	7548.77	-1594.99	507.44	1617.43	1.68	-0.07
	9794.00	89.75	180.98	7549.05	-1683.97	505.72	1706.22	0.33	-0.16
	9883.00	89.78	177.86	7549.41	-1772.96	506.62	1795.15	3.51	0.03
	9972.00	90.37	173.76	7549.30	-1861.70	513.12	1884.10	4.65	0.66
	10061.00	89.82	177.91	7549.15	-1950.45	519.58	1973.05	4.70	-0.62
	10150.00	90.65	179.54	7548.79	-2039.42	521.56	2062.02	2.06	0.93
	10239.00	90.89	181.53	7547.59	-2128.40	520.73	2150.86	2.25	0.27
	10328.00	90.24	179.42	7546.71	-2217.39	519.99	2239.71	2.48	-0.73
	10417.00	88.97	176.64	7547.33	-2306.32	523.05	2328.69	3.43	-1.43
	10506.00	89.73	179.42	7548.34	-2395.26	526.11	2417.67	3.24	0.85
	10596.00	89.68	179.67	7548.80	-2485.25	526.82	2507.60	0.28	-0.06
	10685.00	89.52	180.25	7549.42	-2574.25	526.89	2596.49	0.68	-0.18
	10774.00	89.66	179.19	7550.06	-2663.25	527.32	2685.41	1.20	0.16
	10863.00	89.41	179.54	7550.78	-2752.24	528.31	2774.35	0.48	-0.28
	10952.00	89.45	179.31	7551.66	-2841.23	529.20	2863.28	0.26	0.04
	11041.00	90.03	179.09	7552.07	-2930.22	530.44	2952.23	0.70	0.65
	11130.00	89.32	181.58	7552.57	-3019.21	529.92	3041.09	2.91	-0.80
	11219.00	89.50	181.79	7553.49	-3108.16	527.31	3129.82	0.31	0.20
	11308.00	90.23	180.37	7553.70	-3197.15	525.63	3218.62	1.79	0.82
	11397.00	89.51	180.61	7553.90	-3286.14	524.87	3307.48	0.85	-0.81
	11486.00	89.14	180.32	7554.95	-3375.13	524.15	3396.33	0.53	-0.42
	11575.00	88.94	178.92	7556.44	-3464.12	524.74	3485.24	1.59	-0.22
	11664.00	91.09	180.15	7556.42	-3553.11	525.46	3574.16	2.78	2.42
	11753.00	90.24	180.90	7555.38	-3642.09	524.64	3663.01	1.27	-0.96
	11843.00	90.80	178.44	7554.57	-3732.08	525.16	3752.92	2.80	0.62
	11932.00	90.58	180.55	7553.50	-3821.07	525.95	3841.84	2.38	-0.25
	12021.00	91.02	179.70	7552.25	-3910.06	525.75	3930.72	1.08	0.49
	12110.00	90.80	180.26	7550.84	-3999.05	525.78	4019.61	0.68	-0.25
	12199.00	90.83	180.72	7549.57	-4088.03	525.02	4108.46	0.52	0.03
	12288.00	90.79	179.44	7548.32	-4177.02	524.90	4197.34	1.44	-0.04
	12377.00	90.01	180.35	7547.69	-4266.02	525.06	4286.24	1.35	-0.88
	12466.00	90.04	180.17	7547.66	-4355.02	524.66	4375.12	0.21	0.03
	12555.00	90.17	179.95	7547.49	-4444.02	524.56	4464.01	0.29	0.15
	12644.00	89.91	181.08	7547.43	-4533.01	523.76	4552.87	1.30	-0.29
	12733.00	89.70	179.27	7547.73	-4622.01	523.49	4641.75	2.05	-0.24
	12822.00	89.63	180.55	7548.25	-4711.00	523.63	4730.65	1.44	-0.08
	12911.00	90.01	181.04	7548.53	-4799.99	522.40	4819.48	0.70	0.43
	13000.00	90.13	179.81	7548.42	-4888.99	521.74	4908.34	1.39	0.13
	13089.00	90.67	180.21	7547.80	-4977.97	521.72	4997.24	0.76	0.61
	13179.00	90.35	178.12	7547.00	-5066.97	523.03	5087.18	2.35	-0.36
	13267.00	89.73	179.50	7546.94	-5155.95	524.86	5175.14	1.72	-0.70
	13357.00	89.38	179.29	7547.64	-5245.94	525.81	5265.08	0.45	-0.39
	13446.00	88.73	180.14	7549.11	-5334.92	526.25	5353.98	1.20	-0.73
	13535.00	88.57	179.46	7551.20	-5423.90	526.56	5442.87	0.78	-0.18
	13624.00	89.71	180.49	7552.54	-5512.89	526.60	5531.76	1.73	1.28
	13713.00	89.56	181.28	7553.11	-5601.87	525.23	5620.58	0.90	-0.17
	13802.00	89.46	180.93	7553.87	-5690.85	523.51	5709.37	0.41	-0.11
	13891.00	89.42	180.91	7554.74	-5779.84	522.08	5798.19	0.05	-0.04
	13980.00	87.64	180.48	7557.02	-5868.80	521.00	5886.99	2.06	-2.00
	14069.00	87.19	181.57	7561.04	-5957.69	519.41	5975.71	1.32	-0.51
	14158.00	87.42	180.06	7565.22	-6046.58	518.15	6064.44	1.71	0.26
	14247.00	88.28	180.32	7568.56	-6135.52	517.85	6153.26	1.01	0.97
	14336.00	88.95	180.38	7570.71	-6224.49	517.31	6242.10	0.76	0.75

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Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	NS (ft)	EW (ft)	VSEC (ft)	DLS (°/100ft)	BR (°/100ft)
	14425.00	88.74	180.16	7572.50	-6313.47	516.89	6330.96	0.34	-0.24
	14514.00	88.83	178.93	7574.39	-6402.45	517.60	6419.87	1.39	0.10
	14603.00	89.27	180.06	7575.87	-6491.43	518.38	6508.79	1.36	0.49
	14693.00	89.35	180.35	7576.95	-6581.42	518.06	6598.66	0.33	0.09
	14782.00	88.58	181.17	7578.56	-6670.40	516.88	6687.48	1.26	-0.87
	14871.00	88.83	180.81	7580.57	-6759.36	515.34	6776.27	0.49	0.28
	14960.00	88.85	179.93	7582.37	-6848.34	514.77	6865.12	0.99	0.02
	15049.00	88.84	179.74	7584.17	-6937.32	515.02	6954.01	0.21	-0.01
	15138.00	89.01	180.47	7585.84	-7026.31	514.86	7042.88	0.84	0.19
	15227.00	89.22	179.65	7587.21	-7115.29	514.77	7131.77	0.95	0.24
	15316.00	89.14	179.89	7588.48	-7204.28	515.12	7220.67	0.28	-0.09
	15406.00	88.47	179.77	7590.36	-7294.26	515.39	7310.56	0.76	-0.74
	15495.00	89.18	178.68	7592.19	-7383.23	516.59	7399.49	1.46	0.80
	15584.00	88.89	179.39	7593.68	-7472.21	518.09	7488.43	0.86	-0.33
	15673.00	89.16	177.98	7595.20	-7561.17	520.14	7577.39	1.61	0.30
	15762.00	89.77	179.12	7596.03	-7650.14	522.39	7666.36	1.45	0.69
	15851.00	90.36	178.16	7595.93	-7739.11	524.50	7755.33	1.27	0.66
	15940.00	90.36	178.42	7595.37	-7828.07	527.16	7844.32	0.29	0.00
	16029.00	89.40	177.45	7595.56	-7917.01	530.36	7933.31	1.53	-1.08
	16118.00	88.08	175.79	7597.51	-8005.83	535.61	8022.28	2.38	-1.48
	16207.00	86.89	176.87	7601.42	-8094.56	541.30	8111.18	1.80	-1.34
	16296.00	88.73	185.14	7604.83	-8183.40	539.74	8199.84	9.51	2.07
	16385.00	89.40	183.41	7606.28	-8272.13	533.10	8288.16	2.08	0.75
	16475.00	89.66	185.80	7607.02	-8361.83	525.88	8377.41	2.67	0.29
	16564.00	88.18	184.41	7608.69	-8450.46	517.96	8465.56	2.28	-1.66
	16653.00	88.70	182.94	7611.12	-8539.24	512.26	8553.97	1.75	0.58
	16742.00	88.59	180.58	7613.22	-8628.17	509.53	8642.66	2.65	-0.12
	16831.00	88.96	178.83	7615.13	-8717.14	509.98	8731.55	2.01	0.42
	16920.00	88.85	178.28	7616.83	-8806.10	512.23	8820.52	0.63	-0.12
	17009.00	88.84	178.30	7618.62	-8895.04	514.88	8909.48	0.03	-0.01
	17098.00	88.81	179.14	7620.44	-8984.00	516.87	8998.43	0.94	-0.03
	17187.00	89.24	180.13	7621.96	-9072.98	517.44	9087.34	1.21	0.48
	17276.00	89.20	179.19	7623.17	-9161.97	517.97	9176.26	1.06	-0.04
	17365.00	89.44	180.06	7624.23	-9250.96	518.55	9265.17	1.01	0.27
	17454.00	89.40	180.27	7625.13	-9339.96	518.29	9354.05	0.24	-0.04
	17543.00	89.46	179.67	7626.01	-9428.95	518.34	9442.95	0.68	0.07
	17632.00	89.19	180.05	7627.06	-9517.94	518.56	9531.85	0.52	-0.30
	17721.00	89.54	179.74	7628.05	-9606.94	518.72	9620.75	0.53	0.39
	17810.00	89.23	180.09	7629.00	-9695.93	518.85	9709.65	0.53	-0.35
	17899.00	89.17	179.72	7630.25	-9784.92	519.00	9798.55	0.42	-0.07
	17988.00	89.30	180.41	7631.43	-9873.92	518.90	9887.43	0.79	0.15
	18077.00	89.73	178.14	7632.19	-9962.90	520.02	9976.37	2.60	0.48
	18166.00	89.55	179.44	7632.75	-10051.88	521.90	10065.33	1.47	-0.20
	18255.00	89.51	178.52	7633.48	-10140.86	523.49	10154.29	1.03	-0.04
	18344.00	90.29	178.04	7633.63	-10229.82	526.16	10243.27	1.03	0.88
	18433.00	90.35	177.91	7633.14	-10318.76	529.30	10332.27	0.16	0.07
	18522.00	90.23	177.45	7632.69	-10407.69	532.91	10421.26	0.53	-0.13
	18612.00	88.24	177.22	7633.89	-10497.58	537.09	10511.25	2.23	-2.21
	18701.00	88.03	179.03	7636.78	-10586.48	540.00	10600.19	2.05	-0.24
	18790.00	88.16	179.67	7639.71	-10674.42	541.00	10688.08	0.74	0.15
	18878.00	88.22	179.92	7642.52	-10763.38	541.32	10776.95	0.29	0.07
	18968.00	88.08	179.93	7645.43	-10853.33	541.43	10866.80	0.16	-0.16
	19057.00	88.34	180.50	7648.21	-10942.29	541.10	10955.64	0.70	0.29
	19146.00	88.49	179.97	7650.67	-11031.25	540.74	11044.49	0.62	0.17

Last SLB_MWD Survey	19200.00	88.35	179.52	7652.16	-11085.23	540.98	11098.42	0.87	-0.26
Projection to Bit - (475' FSL,2444' FWL)	19242.00	88.35	179.52	7653.37	-11127.21	541.33	11140.37	0.00	0.00

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	15.000	1/98.425	13.500	9.625	NAL_MWD-NON_SLB-Depth Only	Original Hole / Dream Weaver South 3J-21H-N268 MWD 0' to 19242' Definitive
	1	15.000	28.000	Act Stns	13.500	9.625	NAL_MWD-NON_SLB-Depth Only	Original Hole / Dream Weaver South 3J-21H-N268 MWD 0' to 19242' Definitive
	1	28.000	2220.000	Act Stns	13.500	9.625	NAL_MWD-NON_SLB	Original Hole / Dream Weaver South 3J-21H-N268 MWD 0' to
	1	2220.000	19242.000	Act Stns	8.500	5.500	NAL_MWD_PLUS_0.5_DEG	Original Hole / Dream Weaver South 3J-21H-N268 MWD 0' to