

Lincoln State 8N-17B-M IFR 0' to 15537' Definitive Survey Geodetic Report

(Def Survey)

Report Date: April 07, 2020 - 09:43 AM
Client: PDC Energy
Field: CO, Weld County (NAD 83 NZ) - 2019
Structure / Slot: PDC Energy 18-06N-66W (Lincoln State 3-18 Pad DSU 59) / Lincoln State 8N-17B-M
Well: Lincoln State 8N-17B-M
Borehole: Original Hole
UWI / API#: Unknown / 05-123-46749
Survey Name: Lincoln State 8N-17B-M IFR 0' to 15537' Definitive
Survey Date: February 17, 2020
Tort / AHD / DDI / ERD Ratio: 199.594 ° / 9462.401 ft / 6.615 / 1.330
Coordinate Reference System: NAD83 Colorado State Plane, Northern Zone, US Feet
Location Lat / Long: N 40° 29' 29.55840", W 104° 49' 24.81960"
Location Grid N/E Y/X: N 1422627.527 ftUS, E 3188139.041 ftUS
CRS Grid Convergence Angle: 0.4371 °
Grid Scale Factor: 0.99996566
Version / Patch: 2.10.787.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 88.500 ° (True North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: KB 20ft
TVD Reference Elevation: 4872.000 ft above MSL
Seabed / Ground Elevation: 4852.000 ft above MSL
Magnetic Declination: 8.097 °
Total Gravity Field Strength: 999.0415mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 52154.570 nT
Magnetic Dip Angle: 66.802 °
Declination Date: April 01, 2020
Magnetic Declination Model: HDGM 2019
North Reference: True North
Grid Convergence Used: 0.0000 °
Total Corr Mag North→True North: 8.0967 °
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	1422627.53	3188139.04	40.491544	-104.823561
Adjusted KB	20.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	1422627.53	3188139.04	40.491544	-104.823561
Begin												
SLB_MWD	151.00	0.35	209.06	151.00	-0.20	-0.35	-0.19	0.27	1422627.18	3188138.85	40.491543	-104.823562
Survey												
	241.00	0.40	235.06	241.00	-0.61	-0.77	-0.59	0.20	1422626.75	3188138.46	40.491542	-104.823563
	334.00	1.19	278.29	333.99	-1.83	-0.82	-1.81	1.01	1422626.70	3188137.24	40.491542	-104.823567
	424.00	1.81	285.47	423.96	-4.11	-0.30	-4.10	0.72	1422627.19	3188134.94	40.491543	-104.823576
	514.00	2.43	282.78	513.90	-7.32	0.50	-7.33	0.70	1422627.97	3188131.71	40.491545	-104.823587
	604.00	2.39	278.38	603.82	-11.01	1.19	-11.05	0.21	1422628.64	3188127.98	40.491547	-104.823601
	694.00	2.61	269.56	693.73	-14.91	1.45	-14.96	0.49	1422628.86	3188124.08	40.491548	-104.823615
	784.00	2.61	269.17	783.64	-19.01	1.41	-19.05	0.02	1422628.79	3188119.98	40.491548	-104.823630
	874.00	1.33	249.64	873.58	-22.05	1.01	-22.08	1.59	1422628.37	3188116.95	40.491547	-104.823640
	964.00	0.53	170.59	963.57	-22.98	0.24	-22.99	1.48	1422627.59	3188116.05	40.491545	-104.823644
	1054.00	0.62	143.04	1053.57	-22.64	-0.56	-22.63	0.32	1422626.79	3188116.42	40.491542	-104.823642
	1144.00	0.49	136.57	1143.56	-22.10	-1.23	-22.07	0.16	1422626.13	3188116.98	40.491541	-104.823640
	1234.00	0.09	154.63	1233.56	-21.81	-1.57	-21.78	0.45	1422625.79	3188117.27	40.491540	-104.823639
	1324.00	0.13	146.66	1323.56	-21.73	-1.72	-21.69	0.05	1422625.64	3188117.36	40.491539	-104.823639
	1414.00	0.09	319.36	1413.56	-21.72	-1.75	-21.68	0.24	1422625.61	3188117.37	40.491539	-104.823639
	1504.00	0.09	262.86	1503.56	-21.84	-1.71	-21.80	0.09	1422625.65	3188117.26	40.491539	-104.823639
	1594.00	0.22	227.39	1593.56	-22.04	-1.83	-22.00	0.17	1422625.53	3188117.06	40.491539	-104.823640
	1684.00	0.27	200.73	1683.56	-22.25	-2.15	-22.20	0.14	1422625.21	3188116.86	40.491538	-104.823641
	1714.00	0.31	204.08	1713.56	-22.31	-2.29	-22.26	0.14	1422625.07	3188116.80	40.491538	-104.823641
9 5/8" Casing	1795.00	0.09	187.69	1794.56	-22.41	-2.56	-22.36	0.27	1422624.80	3188116.71	40.491537	-104.823641
	1832.00	0.04	100.27	1831.56	-22.41	-2.59	-22.35	0.27	1422624.77	3188116.72	40.491537	-104.823641
	1924.00	0.09	297.47	1923.56	-22.44	-2.56	-22.38	0.14	1422624.80	3188116.68	40.491537	-104.823641
	2017.00	0.12	60.00	2016.56	-22.42	-2.48	-22.36	0.20	1422624.88	3188116.70	40.491537	-104.823641
	2110.00	0.13	45.85	2109.56	-22.25	-2.36	-22.20	0.03	1422625.00	3188116.86	40.491538	-104.823641
	2202.00	0.08	180.16	2201.56	-22.18	-2.35	-22.13	0.21	1422625.01	3188116.94	40.491538	-104.823641
	2295.00	0.09	184.74	2294.56	-22.19	-2.49	-22.13	0.01	1422624.87	3188116.93	40.491537	-104.823641
	2387.00	0.11	40.71	2386.56	-22.14	-2.49	-22.08	0.21	1422624.87	3188116.98	40.491537	-104.823640
	2480.00	0.03	225.72	2479.56	-22.10	-2.44	-22.04	0.15	1422624.92	3188117.02	40.491537	-104.823640
	2574.00	2.67	212.00	2573.53	-23.32	-4.31	-23.22	2.81	1422623.04	3188115.86	40.491532	-104.823644
	2667.00	6.25	201.31	2666.23	-26.48	-10.87	-26.21	3.94	1422616.46	3188112.92	40.491514	-104.823655
	2760.00	10.10	197.01	2758.27	-31.03	-23.39	-30.43	4.19	1422603.91	3188108.79	40.491480	-104.823670
	2852.00	10.46	189.33	2848.80	-35.16	-39.34	-34.15	1.54	1422587.93	3188105.20	40.491436	-104.823684
	2945.00	10.03	191.52	2940.31	-38.58	-55.61	-37.13	0.62	1422571.64	3188102.34	40.491391	-104.823695
	3039.00	10.62	191.00	3032.79	-42.29	-72.13	-40.42	0.64	1422555.09	3188099.17	40.491346	-104.823706
	3132.00	10.58	192.06	3124.20	-46.15	-88.90	-43.84	0.21	1422538.30	3188095.88	40.491300	-104.823719
	3225.00	10.45	185.03	3215.65	-49.11	-105.65	-46.36	1.39	1422521.53	3188093.49	40.491254	-104.823728
	3317.00	10.39	186.01	3306.13	-51.15	-122.21	-47.96	0.20	1422504.96	3188092.01	40.491209	-104.823733
	3409.00	10.26	183.85	3396.64	-52.99	-138.63	-49.38	0.44	1422488.53	3188090.72	40.491163	-104.823739
	3502.00	9.33	179.21	3488.28	-53.86	-154.44	-49.83	1.31	1422472.72	3188090.39	40.491120	-104.823740
	3594.00	10.43	185.67	3578.92	-54.99	-170.18	-50.55	1.70	1422456.97	3188089.79	40.491077	-104.823743
	3687.00	10.08	184.23	3670.44	-56.85	-186.67	-51.99	0.47	1422440.47	3188088.48	40.491032	-104.823748
	3781.00	11.52	184.92	3762.77	-58.73	-204.23	-53.40	1.54	1422422.90	3188087.21	40.490983	-104.823753
	3873.00	11.81	184.23	3852.87	-60.69	-222.77	-54.88	0.35	1422404.35	3188085.86	40.490933	-104.823758
	3967.00	11.80	184.86	3944.88	-62.72	-241.94	-56.40	0.14	1422385.17	3188084.49	40.490880	-104.823764
	4060.00	11.47	187.01	4035.97	-65.14	-260.59	-58.34	0.59	1422366.50	3188082.70	40.490829	-104.823771
	4153.00	10.99	188.82	4127.19	-68.10	-278.53	-60.83	0.64	1422348.55	3188080.34	40.490779	-104.823780
	4246.00	10.98	185.86	4218.49	-70.82	-296.10	-63.09	0.61	1422330.96	3188078.22	40.490731	-104.823788
	4338.00	11.16	185.76	4308.77	-73.07	-313.68	-64.88	0.20	1422313.38	3188076.56	40.490683	-104.823794
	4432.00	12.21	188.11	4400.82	-75.87	-332.57	-67.19	1.23	1422294.47	3188074.39	40.490631	-104.823803
	4526.00	11.94	188.43	4492.74	-79.21	-352.03	-70.02	0.30	1422274.99	3188071.71	40.490578	-104.823813
	4619.00	11.56	185.75	4583.80	-82.05	-370.82	-72.36	0.71	1422256.18	3188069.51	40.490526	-104.823821
	4711.00	11.96	187.10	4673.87	-84.63	-389.45	-74.47	0.53	1422237.54	3188067.55	40.490475	-104.823829
	4803.00	11.95	184.59	4763.87	-87.07	-408.40	-76.41	0.57	1422218.57	3188065.76	40.490423	-104.823836
	4896.00	11.71	188.05	4854.90	-89.66	-427.34	-78.50	0.81	1422199.61	3188063.81	40.490371	-104.823843
	4988.00	11.47	188.26	4945.02	-92.76	-445.64	-81.12	0.26	1422181.30	3188061.33	40.490321	-104.823853
	5080.00	11.54	188.40	5035.17	-95.89	-463.80	-83.78	0.08	1422163.12	3188058.81	40.490271	-104.823862
	5173.00	11.95	187.33	5126.22	-98.97	-482.55	-86.37	0.50	1422144.35	3188056.36	40.490219	-104.823872
	5266.00	12.08	187.63	5217.19	-101.99	-501.74	-88.89	0.16	1422125.14	3188053.99	40.490167	-104.823881
	5452.00	11.83	186.08	5399.15	-107.59	-539.99	-93.49	0.22	1422086.86	3188049.68	40.490062	-104.823897
	5545.00	11.95	186.70	5490.16	-110.22	-559.03	-95.62	0.19	1422067.80	3188047.69	40.490010	-104.823905
	5638.00	11.76	184.70	5581.17	-112.62	-578.04	-97.52	0.49	1422048.78	3188045.93	40.489957	-104.823912
	5731.00	11.74	189.65	5672.23	-115.47	-596.82	-99.89	1.08	1422029.99	3188043.71	40.489906	-104.823920
	5824.00	11.69	187.83	5763.29	-118.83	-615.48	-102.76	0.40	1422011.31	3188040.99	40.489855	-104.823930
	5917.00	12.17	187.55	5854.28	-121.90	-634.53	-105.33	0.52	1421992.24	3188038.56	40.489802	-104.823940
	6009.00	11.93	189.27	5944.26	-125.20	-653.53	-108.13	0.47	1421973.22	3188035.90	40.489750	-104.823950
	6101.00	11.61	191.62	6034.32	-129.08	-671.98	-111.53	0.63	1421954.74	3188032.65	40.489700	-104.823962
	6194.00	11.91	185.84	6125.37	-132.43	-690.69	-114.39	1.31	1421936.01	3188029.93	40.489648	-104.823972
	6287.00	11.30	190.04	6216.47	-135.48	-709.21	-116.96	1.12	1421917.47	3188027.50	40.489597	-104.823981
	6380.00	11.85	185.22	6307.58	-138.42	-727.69	-119.41	1.20	1421898.97	3188025.19	40.489547	-104.823990
	6473.00	12.73	175.20	6398.46	-138.95	-747.42	-119.42	2.48	1421879.25	3188025.33	40.489492	-104.823990
	6565.00	16.26	141.57	6487.67	-130.61	-767.65	-110.55	9.75	1421859.09	3188034.35	40.489437	-104.823958
	6657.00	16.84	137.47	6575.86	-114.12	-787.56	-93.54	1.42	1421839.31	3188051.52	40.489382	-104.823897
	6750.00	22.65	119.92	6663.43	-89.96	-806.8						

Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)
	6935.00	35.19	94.88	6825.83	-5.68	-826.44	15.96	8.56	1421801.26	3188161.31	40.489276	-104.823504
	7027.00	45.26	94.75	6895.98	53.30	-831.42	75.09	10.95	1421796.74	3188220.47	40.489262	-104.823291
	7120.00	52.25	96.59	6957.26	122.62	-838.38	144.62	7.66	1421790.30	3188290.05	40.489243	-104.823041
	7214.00	59.57	99.40	7009.91	199.33	-849.28	221.63	8.17	1421779.99	3188367.14	40.489213	-104.822764
	7306.00	67.56	99.89	7050.84	280.08	-863.08	302.78	8.70	1421766.81	3188448.39	40.489175	-104.822472
	7399.00	76.07	99.09	7079.84	366.74	-877.62	389.85	9.19	1421752.93	3188535.56	40.489135	-104.822159
	7492.00	85.95	98.44	7094.35	457.02	-891.60	480.52	10.65	1421739.65	3188626.33	40.489097	-104.821833
	7585.00	89.65	92.67	7097.92	549.19	-900.58	572.96	7.37	1421731.38	3188718.83	40.489072	-104.821501
	7677.00	87.83	90.05	7099.95	641.04	-902.76	664.90	3.47	1421729.89	3188810.79	40.489066	-104.821171
	7770.00	87.67	87.73	7103.60	733.96	-900.96	757.81	2.50	1421732.40	3188903.67	40.489071	-104.820837
	7864.00	87.67	87.97	7107.42	827.88	-897.44	851.66	0.26	1421736.64	3188997.49	40.489081	-104.820499
	7957.00	87.83	87.62	7111.07	920.80	-893.87	944.52	0.41	1421740.92	3189090.32	40.489090	-104.820165
	8051.00	87.74	87.30	7114.70	1014.71	-889.70	1038.36	0.35	1421745.80	3189184.12	40.489102	-104.819828
	8143.00	90.65	86.47	7116.00	1106.66	-884.70	1130.20	3.29	1421751.50	3189275.92	40.489116	-104.819498
	8237.00	90.90	87.02	7114.72	1200.60	-879.37	1224.04	0.64	1421757.55	3189369.71	40.489130	-104.819160
	8329.00	91.29	87.19	7112.97	1292.56	-874.72	1315.91	0.46	1421762.90	3189461.57	40.489143	-104.818830
	8421.00	91.17	87.44	7110.99	1384.52	-870.41	1407.79	0.30	1421767.91	3189553.37	40.489155	-104.818500
	8513.00	91.52	87.17	7108.83	1476.47	-866.09	1499.66	0.48	1421772.93	3189645.21	40.489167	-104.818170
	8606.00	91.24	87.83	7106.59	1569.43	-862.03	1592.54	0.77	1421777.70	3189738.05	40.489178	-104.817836
	8699.00	91.51	87.67	7104.36	1662.40	-858.38	1685.44	0.34	1421782.06	3189830.92	40.489188	-104.817502
	8791.00	91.35	88.49	7102.06	1754.36	-855.30	1777.36	0.91	1421785.84	3189922.81	40.489196	-104.817171
	8884.00	91.19	89.12	7100.00	1847.34	-853.36	1870.32	0.70	1421788.49	3190015.75	40.489201	-104.816837
	8976.00	91.39	88.60	7097.93	1939.31	-851.53	1962.28	0.61	1421791.02	3190107.69	40.489206	-104.816506
	9069.00	90.98	88.92	7096.01	2032.29	-849.52	2055.24	0.56	1421793.74	3190200.62	40.489212	-104.816172
	9161.00	91.27	89.15	7094.20	2124.27	-847.97	2147.20	0.40	1421795.99	3190292.57	40.489216	-104.815842
	9254.00	91.89	89.13	7091.64	2217.23	-846.58	2240.16	0.67	1421798.09	3190385.51	40.489220	-104.815507
	9347.00	92.05	88.95	7088.44	2310.17	-845.02	2333.09	0.26	1421800.36	3190478.42	40.489224	-104.815173
	9440.00	91.71	88.69	7085.39	2403.12	-843.11	2426.02	0.46	1421802.98	3190571.33	40.489229	-104.814839
	9532.00	91.79	88.65	7082.58	2495.08	-840.97	2517.95	0.10	1421805.82	3190663.24	40.489235	-104.814509
	9625.00	89.55	90.10	7081.49	2588.05	-839.96	2610.93	2.87	1421807.54	3190756.21	40.489238	-104.814174
	9719.00	89.66	89.82	7082.14	2682.02	-839.89	2704.93	0.32	1421808.32	3190850.20	40.489238	-104.813836
	9812.00	89.81	88.67	7082.57	2775.01	-838.67	2797.92	1.25	1421810.26	3190943.17	40.489242	-104.813502
	9904.00	90.08	89.51	7082.66	2867.00	-837.20	2889.91	0.96	1421812.42	3191035.14	40.489246	-104.813171
	9998.00	89.88	88.38	7082.69	2961.00	-835.47	2983.89	1.22	1421814.87	3191129.11	40.489250	-104.812834
	10090.00	89.82	88.89	7082.93	3053.00	-833.28	3075.86	0.56	1421817.76	3191221.06	40.489256	-104.812503
	10182.00	89.86	88.89	7083.19	3144.99	-831.50	3167.84	0.04	1421820.25	3191313.02	40.489261	-104.812172
	10274.00	89.53	89.16	7083.68	3236.99	-829.93	3259.83	0.46	1421822.51	3191404.99	40.489265	-104.811841
	10366.00	89.64	89.67	7084.35	3328.97	-829.00	3351.82	0.57	1421824.15	3191496.97	40.489268	-104.811511
	10461.00	89.90	88.35	7084.73	3423.97	-827.35	3446.80	1.42	1421826.52	3191591.93	40.489272	-104.811169
	10556.00	89.80	87.44	7084.98	3518.96	-823.86	3541.74	0.96	1421830.73	3191686.83	40.489282	-104.810828
	10649.00	89.81	87.72	7085.29	3611.95	-819.94	3634.66	0.30	1421835.37	3191779.71	40.489293	-104.810494
	10743.00	89.20	88.14	7086.11	3705.94	-816.54	3728.59	0.79	1421839.48	3191873.62	40.489302	-104.810156
	10837.00	89.80	88.25	7086.93	3799.93	-813.58	3822.54	0.65	1421843.16	3191967.54	40.489310	-104.809818
	10931.00	89.80	88.12	7087.25	3893.93	-810.60	3916.49	0.14	1421846.85	3192061.46	40.489318	-104.809481
	11024.00	89.85	87.75	7087.54	3986.93	-807.25	4009.43	0.40	1421850.91	3192154.37	40.489327	-104.809147
	11117.00	89.75	88.98	7087.86	4079.92	-804.60	4102.39	1.33	1421854.27	3192247.30	40.489335	-104.808812
	11209.00	89.90	89.07	7088.14	4171.92	-803.03	4194.38	0.19	1421856.54	3192339.27	40.489339	-104.808482
	11301.00	89.71	89.44	7088.46	4263.91	-801.84	4286.37	0.45	1421858.44	3192431.25	40.489342	-104.808151
	11395.00	89.99	89.40	7088.70	4357.90	-800.89	4380.36	0.30	1421860.11	3192525.23	40.489345	-104.807813
	11488.00	89.73	89.35	7088.93	4450.89	-799.87	4473.36	0.28	1421861.83	3192618.21	40.489347	-104.807479
	11580.00	89.63	89.60	7089.44	4542.87	-799.03	4565.35	0.29	1421863.37	3192710.19	40.489350	-104.807148
	11675.00	89.87	88.54	7089.86	4637.86	-797.49	4660.34	1.14	1421865.64	3192805.16	40.489354	-104.806806
	11767.00	89.81	88.43	7090.11	4729.86	-795.06	4752.30	0.14	1421868.77	3192897.10	40.489360	-104.806476
	11860.00	90.12	88.21	7090.17	4822.86	-792.33	4845.26	0.41	1421872.21	3192990.03	40.489368	-104.806142
	11953.00	89.68	88.94	7090.33	4915.86	-790.02	4938.23	0.92	1421875.23	3193082.98	40.489374	-104.805807
	12046.00	89.97	89.59	7090.62	5008.85	-788.82	5031.23	0.77	1421877.13	3193175.96	40.489377	-104.805473
	12139.00	89.90	88.52	7090.72	5101.85	-787.29	5124.21	1.15	1421879.38	3193268.92	40.489382	-104.805139
	12232.00	89.40	89.34	7091.29	5194.84	-785.55	5217.19	1.03	1421881.82	3193361.88	40.489386	-104.804804
	12324.00	89.28	88.50	7092.35	5286.83	-783.82	5309.17	0.92	1421884.26	3193453.84	40.489391	-104.804474
	12418.00	89.19	89.67	7093.61	5380.82	-782.32	5403.15	1.25	1421886.48	3193547.80	40.489395	-104.804136
	12510.00	89.47	89.56	7094.68	5472.79	-781.70	5495.14	0.33	1421887.80	3193639.78	40.489397	-104.803805
	12603.00	89.57	88.69	7095.46	5565.78	-780.28	5588.12	0.94	1421889.92	3193732.75	40.489401	-104.803471
	12697.00	89.16	89.49	7096.50	5659.77	-778.79	5682.11	0.96	1421892.13	3193826.72	40.489405	-104.803133
	12790.00	89.05	89.39	7097.96	5752.75	-777.88	5775.09	0.16	1421893.75	3193919.69	40.489407	-104.802799
	12886.00	89.48	87.75	7099.19	5848.74	-775.48	5871.05	1.77	1421896.88	3194015.62	40.489413	-104.802454
	12980.00	90.19	88.02	7099.46	5942.73	-772.01	5964.98	0.81	1421901.07	3194109.52	40.489423	-104.802116
	13072.00	90.56	87.82	7098.86	6034.72	-768.67	6056.92	0.46	1421905.11	3194201.43	40.489432	-104.801786
	13164.00	90.62	87.96	7097.91	6126.71	-765.29	6148.85	0.17	1421909.19	3194293.33	40.489441	-104.801455
	13349.00	90.17	88.96	7096.63	6311.71	-760.32	6333.78	0.59	1421915.58	3194478.21	40.489455	-104.800790
	13443.00	90.32	88.83	7096.23	6405.70	-758.50	6427.76	0.21	1421918.10	3194572.17	40.489460	-104.800452
	13535.00	90.10	88.63	7095.89	6497.70	-756.46	6519.74	0.32	1421920.85	3194664.12	40.489465	-104.800122
	13627.00	89.88	88.62	7095.91	6589.70	-754.26	6611.71	0.24	1421923.75	3194756.07	40.489471	-104.799791
	13720.00	90.80	87.87	7095.36	6682.70	-751.41	6704.66	1.28	1421927.31	3194849.00	40.489479	-104.799457
	13813.00	90.20	88.02	7094.55	6775.69	-748.07	6797.60	0.67	1421931.35	3194941.90	40.489488	-104.799123
	13905.00	90.29	88.25	7094.15	6867.69	-745.08	6889.55	0.27	1421935.05	3195033.82	40.489496	-104.798792
	13998.00	90.32	88.57	7093.66	6960.68	-742.50	6982.51	0.35	1421938.34	3195126.76	40.489503	-104.798458
	14090.00	90.25	87.92	7093.20	7052.68	-739.68	7074.47	0.71	1421941.86	3195218.69	40.489511	-104.798127
	14182.00	90.49	87.58	7092.61	7144.67	-736.07	7166.40	0.45	1421946.17	3195310.58	40.489521	-104.797797
	14274.00	90.61										

Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)
		1	0.000	20.000	1/98.425	13.500	9.625	NAL_MWD_IFR1-Depth Only			Original Hole / Lincoln State 8N-17B-M IFR 0' to 15537' Definitive	
		1	20.000	1795.000	Act Stns	13.500	9.625	NAL_MWD_IFR1			Original Hole / Lincoln State 8N-17B-M IFR 0' to 15537' Definitive	
		1	1795.000	15537.000	Act Stns	8.500	5.500	NAL_MWD_HDGM+MS+SAG			Original Hole / Lincoln State 8N-17B-M IFR 0' to 15537' Definitive	