

Southwestern Energy Franz Thoman OHI 5H Surveys Off to 23565ft MD
Survey Geodetic Report
(Def Survey)

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JAN 29 2021

WV Department of
Environmental Protection

Report Date: February 13, 2020 - 03:57 PM
Client: Southwestern Energy
Field: WV Ohio County (NAD 83 UTM 17N)
Structure / Slot: Southwestern Energy Franz Thoman OHI Pad / Franz Thoman OHI 5H
Well: Franz Thoman OHI 5H
Borehole: Original Borehole
UWI / APRI: Unknown / Unknown
Survey Name: Southwestern Energy Franz Thoman OHI 5H Surveys Off to 23565ft MD
Survey Date: February 02, 2020
Tort / AHD / DOI / ERD Ratio: 313.059' / 1864.087' / 7.269' / 3.172
Coordinate Reference System: NAD83 UTM Zone 17N U.S. Feet
Location Lat / Long: N 40° 8' 12.7040", W 80° 39' 35.3880"
Location Grid N/E Y/X: N 14575698.056 RUS, E 1735490.596 RUS
CRS Grid Convergence Angle: 0.2193"
Grid Scale Factor: 0.99961034
Version / Patch: 2.10.794.0
Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 343.560" (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: KB
TVD Reference Elevation: 1163.300 ft above MSL
Seabed / Ground Elevation: 1137.300 ft above MSL
Magnetic Declination: -8.047"
Total Gravity Field Strength: 998.3702mgm (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 52366.011 nT
Magnetic Dip Angle: 67.290"
Declination Date: February 02, 2020
Magnetic Declination Model: HDGM 2019
North Reference: Grid North
Grid Convergence Used: 0.2193"
Total Corr Mag North-Grid: -8.2683"
Local Coord Referenced To: Wall Head

Table with columns: Comments, MD (ft), Incd, Azim (Grid), TVD (ft), TVDSS (ft), VSECE (ft), NS, EW, DLS (ft/100ft), TF, BR, TR, Northing (RUS), Easting (RUS), Latitude (°), Longitude (°), Directional Index. The table contains a large grid of numerical data representing survey points and their coordinates.

09/10/2021

Comments	ID	Incl	Azim	Grd	TVD	TVDSS	VSFC	NS	EW	DLS	FF	BR	TR	Northing	Eastng	Latitude	Longitude	Directional
	(#)	(°)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft/100)	(%)	(ft/100)	(ft/100)	(ft)	(ft)	(N)	(W)	(°)
	7759.00	90.45	344.48	5870.66	4707.38	1796.63	1836.65	-1723.90	0.19	83.21R	-0.18	-0.02	14578353.01	1735266.74	40.14175851	-80.86225103	5.83	
	7852.00	90.62	345.91	5869.81	4706.51	1889.58	1926.55	-147.67	1.55	101.81L	0.18	1.54	14578624.89	1735349.39	40.14203355	-80.86233479	5.85	
	7944.00	90.39	344.61	5868.00	4705.70	1861.53	2015.56	-170.92	1.22	110.77R	-0.25	-0.01	14578713.86	1735319.74	40.14224852	-80.86041674	5.87	
	8037.00	90.28	345.10	5868.46	4706.16	2074.50	2105.37	-189.08	0.33	86.23L	-0.12	0.31	14578803.63	1735288.51	40.14245551	-80.86052166	5.89	
	8130.00	90.34	344.19	5867.95	4705.45	2167.48	2189.68	-219.88	0.30	90.98	0.06	0.30	14578893.22	1735271.00	40.14271713	-80.86059871	5.91	
	8222.00	90.45	344.47	5867.41	4704.11	2256.47	2243.53	-244.53	0.30	5.19L	-0.02	0.31	14578981.82	1735246.16	40.14298514	-80.86067638	5.92	
	8315.00	90.45	344.46	5866.77	4703.47	2352.46	2373.23	-289.44	0.12	98.83L	0.12	-0.01	14579071.39	1735221.26	40.14323135	-80.86076424	5.94	
	8408.00	90.34	343.76	5866.13	4702.83	2445.45	2462.67	-294.90	0.78	115.77R	-0.12	-0.05	14579160.80	1735195.81	40.14347714	-80.86085409	5.96	
	8501.00	90.06	344.34	5865.80	4702.50	2538.45	2552.08	-320.46	0.69	45.72L	-0.30	-0.62	14579250.18	1735170.26	40.14372298	-80.86094428	5.98	
	8594.00	90.45	343.94	5865.39	4702.09	2631.44	2641.55	-345.87	0.60	105.98L	0.42	-0.43	14579339.80	1735144.86	40.14396889	-80.86103397	6.00	
	8686.00	90.34	343.54	5864.75	4701.45	2723.44	2729.87	-371.53	0.45	130.31L	-0.12	-0.43	14579427.89	1735119.11	40.14421140	-80.86112450	6.01	
	8779.00	90.06	343.21	5864.43	4701.13	2815.44	2819.98	-388.24	0.47	70.02L	-0.30	-0.35	14579516.86	1735092.51	40.14445529	-80.86118866	6.03	
	8872.00	90.34	343.98	5864.10	4700.80	2908.44	2908.19	-424.50	0.58	84.1L	0.30	0.33	14579605.14	1735066.28	40.14470145	-80.86131159	6.04	
	8964.00	90.29	343.43	5863.52	4700.22	3001.49	2996.50	-456.24	0.80	68.43R	0.05	-0.56	14579694.41	1735040.45	40.14494811	-80.86140271	6.06	
	9057.00	90.36	343.06	5862.75	4699.45	3094.43	3085.73	-476.90	0.50	106.43L	0.18	0.46	14579783.81	1735014.28	40.14519333	-80.86149517	6.07	
	9149.00	90.50	343.68	5861.90	4698.60	3186.43	3174.06	-502.22	0.21	121.61R	-0.07	-0.20	14579871.90	1734988.58	40.14543206	-80.86158583	6.08	
	9242.00	90.34	343.94	5861.21	4697.91	3279.42	3263.37	-528.15	0.33	68.59R	-0.17	0.28	14579961.18	1734962.96	40.14567749	-80.86167747	6.10	
	9335.00	90.39	345.98	5860.62	4697.32	3372.38	3353.18	-552.28	2.19	92.54R	0.05	2.19	14580050.95	1734936.53	40.14592428	-80.86176256	6.12	
	9427.00	90.48	346.28	5860.08	4696.78	3464.19	3442.89	-573.63	2.69	77.23R	-0.12	2.68	14580140.82	1734910.17	40.14617137	-80.86184811	6.14	
	9520.00	90.45	349.20	5859.49	4695.80	3556.80	3534.12	-590.96	0.83	99.83R	0.19	0.83	14580232.61	1734883.17	40.14641238	-80.86193738	6.16	
	9612.00	90.50	352.57	5858.73	4695.43	3648.03	3624.94	-605.23	3.66	88.39R	0.05	3.66	14580322.61	1734856.60	40.14665780	-80.86202677	6.18	
	9705.00	90.56	354.72	5857.87	4694.57	3739.58	3717.36	-615.52	2.31	67.49R	0.06	2.31	14580414.99	1734830.31	40.14689761	-80.86211619	6.19	
	9798.00	90.73	355.13	5856.82	4693.52	3830.75	3808.98	-633.75	0.48	80.67L	0.18	0.44	14580507.58	1734803.97	40.14713897	-80.86220189	6.21	
	9891.00	90.84	354.46	5855.55	4692.25	3921.96	3900.60	-652.19	0.73	86.92L	0.12	-0.72	14580600.16	1734778.66	40.14738022	-80.86228481	6.22	
	9983.00	91.12	349.18	5854.27	4690.67	4012.96	3993.82	-645.27	1.75	84.65L	-0.16	-1.53	14580691.14	1734753.86	40.14762324	-80.86236888	6.24	
	10076.00	90.84	347.83	5853.24	4689.24	4105.78	4098.73	-638.30	1.46	96.37L	-0.12	-0.74	14580782.29	1734729.05	40.14786626	-80.86245311	6.26	
	10169.00	90.84	346.94	5852.74	4688.44	4198.41	4175.36	-654.80	1.64	84.58L	-0.30	-0.58	14580873.81	1734704.26	40.14810928	-80.86253741	6.27	
	10261.00	91.01	344.51	5849.26	4685.96	4290.35	4264.39	-707.78	1.86	111.42L	0.18	-1.96	14580965.79	1734678.10	40.14835231	-80.86262168	6.29	
	10354.00	90.78	342.83	5848.24	4684.32	4383.54	4357.64	-733.84	1.82	86.72L	-0.67	-1.70	14581057.10	1734652.04	40.14859534	-80.86270601	6.30	
	10447.00	90.51	340.83	5847.39	4683.09	4476.28	4442.02	-762.76	2.26	84.36R	0.13	-2.26	14581149.37	1734626.13	40.14883837	-80.86279037	6.32	
	10539.00	90.78	343.67	5846.35	4681.65	4569.25	4539.80	-790.68	2.98	83.41R	0.29	2.98	14581241.91	1734600.02	40.14908140	-80.86287486	6.34	
	10632.00	90.84	343.94	5845.04	4680.74	4661.24	4618.91	-816.78	0.56	122.58L	0.08	0.56	14581336.19	1734574.13	40.14932442	-80.86295949	6.35	
	10725.00	90.45	343.48	5843.99	4680.89	4754.23	4708.21	-842.75	0.78	21.8R	-0.40	-0.86	14581430.45	1734548.18	40.14956745	-80.86304428	6.36	
	10817.00	90.90	343.68	5842.91	4679.61	4846.22	4796.44	-868.77	1.53	99.46R	-0.12	-1.20	14581524.82	1734522.26	40.14981048	-80.86312914	6.37	
	10910.00	90.78	344.38	5841.55	4678.46	4938.21	4886.84	-894.77	0.78	109.47R	0.13	0.77	14581619.23	1734496.35	40.14995351	-80.86321401	6.38	
	11002.00	90.56	343.23	5840.46	4677.16	5030.22	4922.30	-920.30	1.25	6.11R	-0.24	-0.24	14581713.67	1734470.65	40.15009654	-80.86329897	6.40	
	11096.00	90.84	343.26	5839.32	4676.02	5125.19	5064.19	-947.11	0.30	103.45R	0.30	0.33	14581808.29	1734444.85	40.15023957	-80.86338384	6.41	
	11188.00	90.73	343.61	5838.06	4674.78	5217.18	5152.38	-973.34	0.40	123.69R	-0.12	0.38	14581903.43	1734419.14	40.15038260	-80.86346871	6.42	
	11280.00	90.67	343.70	5836.94	4673.64	5309.17	5240.64	-999.23	0.12	80.79L	-0.07	-0.10	14582000.00	1734393.43	40.15052563	-80.86355359	6.43	
	11372.00	90.73	343.33	5835.83	4672.53	5400.17	5327.89	-1025.05	0.41	26.58L	0.07	0.41	14582096.58	1734367.72	40.15066866	-80.86363846	6.44	
	11464.00	91.01	343.19	5834.41	4671.31	5492.18	5481.33	-1051.83	1.18	119.47R	0.30	1.18	14582193.18	1734342.01	40.15081169	-80.86372334	6.45	
	11557.00	90.62	343.88	5833.09	4670.29	5586.15	5506.11	-1078.19	0.85	140.53L	-0.12	-0.14	14582290.04	1734316.30	40.15095472	-80.86380821	6.46	
	11649.00	90.45	343.74	5832.23	4669.93	5678.14	5594.46	-1103.84	0.24	21.5R	-0.42	-0.15	14582387.36	1734290.59	40.15109775	-80.86389308	6.47	
	11741.00	90.78	342.83	5831.24	4668.74	5770.13	5682.81	-1129.50	0.89	81.87L	0.36	0.14	14582484.68	1734264.88	40.15124078	-80.86397792	6.48	
	11834.00	90.64	343.45	5829.93	4667.63	5863.12	5772.04	-1155.66	0.46	166.76R	0.06	-0.45	14582581.97	1734239.17	40.15138381	-80.86406279	6.49	
	11927.00	90.67	343.49	5828.70	4666.40	5956.12	5861.19	-1182.12	0.19	36.47R	-0.18	0.04	14582679.26	1734213.46	40.15152684	-80.86414763	6.50	
	12019.00	90.84	343.63	5827.49	4665.19	6048.11	5949.42	-1208.15	0.24	40.52L	0.18	0.15	14582776.55	1734187.75	40.15166987	-80.86423248	6.51	
	12111.00	91.34	343.21	5825.74	4662.44	6140.08	6037.58	-1234.40	0.71	139.12L	0.54	-0.46	14582873.80	1734162.04	40.15181290	-80.86431734	6.52	
	12203.00	90.67	343.63	5824.13	4660.83	6232.07	6125.51	-1261.42	0.96	94.00R	-0.73	-0.83	14582971.05	1734136.33	40.15195593	-80.86440219	6.54	
	12295.00	90.62	343.62	5822.91	4659.62	6324.06	6213.51	-1288.05	0.77	50.52R	0.10	0.77	14583068.30	1734110.62	40.15209896	-80.86448705	6.55	
	12387.00	90.90	343.67	5821.90	4658.60	6414.05	6298.76	-1313.89	0.48	114.78R	0.31	0.37	14583165.54	1734084.91	40.15224199	-80.86457191	6.56	
	12479.00	90.78	343.93	5820.53	4657.23	6507.04	6389.08	-1339.84	0.31	9.46L	-0.13	0.28	14583262.79	1734059.20	40.15238502	-80.864656		

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVOSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	TF (ft)	BR (ft/100ft)	TR (ft/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)	Directional Difficulty
	19344.00	90.84	345.29	5733.50	4570.20	13372.10	12976.47	-3272.51	1.13	95.39	0.23	1.11	14559670.47	1732713.37	40.17236818	-80.67135535	7.11
	19438.00	90.78	344.85	5732.17	4566.87	13468.06	13067.24	-3256.88	0.88	153.44F	-0.06	-0.68	14559761.21	1732195.00	40.17261750	-80.67145137	7.12
	19333.00	90.56	344.76	5731.06	4567.76	13561.04	13158.87	-3321.84	0.26	67.22L	-0.23	0.12	14589552.80	1732168.96	40.17268837	-80.67153982	7.12
	19628.00	90.90	343.95	5729.85	4568.55	13656.02	13250.34	-3347.56	0.92	122.26L	0.36	-0.85	14589644.24	1732144.35	40.17312072	-80.67163208	7.13
	19723.00	90.78	343.76	5729.45	4565.15	13751.01	13341.58	-3373.97	0.24	98.78L	-0.13	-0.20	14590033.45	1732117.96	40.17337145	-80.67172359	7.13
	19817.00	90.73	343.47	5727.22	4563.92	13845.00	13431.76	-3400.49	0.31	58.41F	-0.05	-0.31	14590125.58	1732091.44	40.17361825	-80.67181727	7.14
	19912.00	91.12	344.13	5725.66	4562.38	13938.99	13522.97	-3426.99	0.41	67.9R	0.41	0.69	14590216.76	1732064.95	40.17386961	-80.67191090	7.15
	20007.00	91.40	344.82	5723.59	4560.29	14034.95	13614.49	-3452.41	0.78	78.34L	0.29	0.73	14590309.24	1732038.54	40.17412136	-80.67200066	7.15
	20101.00	91.68	343.46	5721.07	4557.77	14128.91	13704.87	-3478.09	1.48	96.87L	0.30	-1.45	14590398.59	1732011.87	40.17436973	-80.67209135	7.16
	20196.00	91.46	341.64	5718.46	4555.16	14223.85	13795.46	-3503.56	1.93	98.32F	-0.23	-1.97	14590489.15	1731985.41	40.17461869	-80.67218206	7.17
	20291.00	91.34	342.46	5716.14	4552.84	14318.79	13885.81	-3529.03	0.87	171.61R	-0.13	0.96	14590579.46	1731959.15	40.17486699	-80.67227260	7.17
	20385.00	90.73	342.55	5714.44	4551.14	14412.76	13975.45	-3554.09	0.66	122.91F	-0.65	0.10	14590669.08	1731932.91	40.17511333	-80.67236322	7.18
	20480.00	90.62	342.72	5713.33	4550.03	14507.74	14066.11	-3582.44	0.21	143.13R	-0.12	0.18	14590759.66	1731906.57	40.17536249	-80.67245378	7.18
	20574.00	90.50	342.81	5712.41	4548.11	14601.73	14155.89	-3610.29	0.16	101.03L	-0.13	0.10	14590849.43	1731871.73	40.17560920	-80.67254425	7.19
	20669.00	90.11	340.81	5711.90	4546.60	14696.68	14246.13	-3648.94	2.14	79.99F	-0.41	-2.11	14590939.64	1731842.28	40.17585722	-80.67263481	7.19
	20764.00	90.50	343.02	5711.40	4546.10	14791.63	14336.43	-3678.43	2.36	31.7R	0.41	2.33	14591029.80	1731812.61	40.17610528	-80.67272532	7.20
	20859.00	90.84	343.23	5710.30	4545.00	14886.62	14426.38	-3706.71	0.43	99L	0.36	0.22	14591119.81	1731785.33	40.17635257	-80.67281587	7.21
	20953.00	90.84	342.56	5709.90	4545.60	14980.60	14517.17	-3734.65	0.71	21.44F	0.00	-0.71	14591210.37	1731757.41	40.17660026	-80.67290676	7.21
	21047.00	91.12	342.67	5707.30	4544.00	15074.58	14606.86	-3762.74	0.32	24.44L	0.30	0.12	14591300.22	1731729.33	40.17684855	-80.67300007	7.22
	21142.00	91.23	342.62	5705.35	4542.05	15169.54	14697.51	-3791.07	0.13	107.92R	0.12	-0.05	14591390.84	1731701.01	40.17709789	-80.67309182	7.22
	21237.00	91.01	343.30	5703.49	4540.19	15264.52	14788.33	-3818.90	0.75	69.3L	-0.23	0.72	14591481.62	1731673.19	40.17734725	-80.67318367	7.23
	21331.00	91.18	342.85	5701.69	4538.39	15359.50	14878.24	-3846.26	0.51	59.92F	0.18	-0.48	14591571.50	1731645.54	40.17759633	-80.67327540	7.23
	21426.00	91.51	343.42	5699.46	4536.16	15453.47	14968.13	-3873.81	0.69	118.52L	0.35	0.60	14591662.35	1731618.30	40.17784410	-80.67336691	7.24
	21520.00	91.01	342.90	5697.40	4534.10	15547.44	15058.98	-3901.35	1.11	65.46R	-0.53	-0.98	14591752.17	1731590.77	40.17809101	-80.67345817	7.25
	21615.00	91.06	343.13	5695.68	4532.38	15642.42	15149.72	-3929.42	0.67	18.43L	0.05	0.66	14591842.87	1731562.72	40.17833782	-80.67354911	7.25
	21710.00	91.57	342.96	5693.96	4530.70	15737.39	15240.57	-3957.11	0.57	99F	0.54	-0.18	14591933.68	1731535.03	40.17858404	-80.67364033	7.26
	21804.00	91.57	343.09	5692.90	4527.63	15831.35	15330.44	-3984.55	0.14	158.99F	0.00	0.14	14592023.52	1731507.61	40.17883701	-80.67373133	7.26
	21899.00	90.45	343.53	5689.25	4525.96	15926.33	15421.42	-4011.82	1.27	81.43R	-1.18	0.46	14592114.47	1731480.34	40.17908703	-80.67382263	7.27
	21994.00	90.56	344.26	5688.41	4525.11	16021.33	15512.69	-4038.16	0.78	69.71R	0.12	0.77	14592205.70	1731454.00	40.17933782	-80.67391386	7.27
	22089.00	90.90	345.18	5687.22	4523.92	16115.30	15603.36	-4062.95	1.04	92.36L	0.36	0.96	14592296.33	1731428.24	40.17958696	-80.67400481	7.28
	22183.00	90.84	343.75	5685.77	4522.47	16210.27	15694.87	-4088.39	1.51	15.79R	-0.08	-1.51	14592387.81	1731402.81	40.17983343	-80.67409515	7.28
	22278.00	91.23	343.96	5684.06	4520.78	16305.26	15786.08	-4114.68	0.43	91.18L	0.41	0.12	14592478.98	1731377.33	40.18008098	-80.67418576	7.29
	22372.00	91.18	341.48	5682.06	4518.78	16399.22	15875.79	-4142.87	2.53	95.22R	-0.05	-2.53	14592568.66	1731350.95	40.18032860	-80.67427610	7.30
	22467.00	91.06	342.79	5680.22	4516.92	16494.17	15966.15	-4172.01	1.38	2.49L	-0.13	1.38	14592659.03	1731324.22	40.18057604	-80.67436645	7.30
	22562.00	91.29	342.78	5678.28	4514.98	16589.14	16056.92	-4200.12	0.24	41.25R	0.24	-0.01	14592749.72	1731297.12	40.18082336	-80.67445645	7.31
	22656.00	92.19	343.57	5675.42	4512.12	16683.09	16146.85	-4227.31	1.27	138.16L	0.96	0.84	14592839.81	1731270.94	40.18107050	-80.67454611	7.31
	22751.00	91.01	342.55	5672.77	4509.47	16778.05	16237.69	-4254.98	1.64	113.46L	-1.24	-1.07	14592930.42	1731244.78	40.18131733	-80.67463624	7.32
	22846.00	90.78	342.02	5671.28	4507.98	16873.01	16328.18	-4283.89	0.61	79.8F	-0.24	-0.56	14593020.87	1731218.39	40.18156449	-80.67472649	7.32
	22940.00	91.12	343.74	5669.73	4506.43	16968.99	16418.00	-4311.55	1.86	102.05R	0.36	1.83	14593110.65	1731191.53	40.18181263	-80.67481683	7.33
	23035.00	90.90	344.77	5668.05	4504.75	17064.97	16508.42	-4339.33	1.11	83.27R	-0.23	1.06	14593202.03	1731164.97	40.18206054	-80.67490710	7.34
	23130.00	91.12	346.64	5666.36	4503.08	17161.04	16599.16	-4367.76	1.86	50.92F	0.23	1.97	14593294.04	1731138.33	40.18230872	-80.67500000	7.34
	23224.00	91.68	347.33	5664.68	4500.78	17258.00	16693.01	-4391.84	0.95	111.76L	0.60	0.73	14593385.56	1731111.37	40.18255126	-80.67509264	7.35
	23319.00	91.18	346.08	5661.71	4498.41	17345.51	16785.44	-4420.78	1.42	113.19F	-0.53	-1.32	14593477.95	1731084.54	40.18280317	-80.67518590	7.35
	23414.00	91.23	346.09	5659.71	4496.41	17440.40	16877.63	-4446.62	0.05	90R	0.05	0.01	14593570.10	1731057.71	40.18305447	-80.67527841	7.36
	23508.00	91.23	346.60	5657.69	4494.39	17534.26	16968.95	-4468.81	0.54	94.7L	0.00	0.54	14593661.38	1731031.33	40.18330337	-80.67537034	7.36
	23593.00	91.01	343.94	5657.15	4493.85	17628.24	17060.02	-4489.92	9.53	HS	-0.79	-8.30	14593752.66	1731004.96	40.18355175	-80.67546246	7.37
	23595.00	91.01	343.94	5656.63	4493.33	17721.98	17152.98	-4493.95	0.00	0.00	0.00	0.00	14593843.94	1730978.59	40.18380032	-80.67555490	7.37

Survey Type: Def Survey

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7855 sigma

Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EDU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	26.000	1/96.425	30.000	30.000	NAL_NSG+MSHOT-Depth Only	Original Borehole / Southwestern Energy Franz Thoman OHI 5H Surveys 0ft to 23565ft MD
	1	26.000	26.000	Act Strs	30.000	30.000	NAL_NSG+MSHOT-Depth Only	Original Borehole / Southwestern Energy Franz Thoman OHI 5H Surveys 0ft to 23565ft MD
	1	26.000	360.000	Act Strs	30.000	30.000	NAL_NSG+MSHOT	Original Borehole / Southwestern Energy Franz Thoman OHI 5H Surveys 0ft to 23565ft MD
	1	360.000	4884.000	Act Strs	30.000	30.000	NAL_MWD+NON_SLB	Original Borehole / Southwestern Energy Franz Thoman OHI 5H Surveys 0ft to 23565ft MD
	1	4884.000	23565.000	Act Strs	30.000	30.000	NAL_MWD_1_0_DEG	Original Borehole / Southwestern Energy Franz Thoman OHI 5H Surveys 0ft to 23565ft MD

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