

Mewbourne Paduca 7_6 W1GB Fed Com #2H MWD 0ft to 19652ft Survey

Geodetic Report

(Def Survey)



Report Date:	August 21, 2019 - 11:00 PM	Survey / DLS Computation:	Minimum Curvature / Lubinski
Client:	Mewbourne Oil Company	Vertical Section Azimuth:	359.970 ° (Grid North)
Field:	NM Lea County (NAD 83)	Vertical Section Origin:	0.000 ft, 0.000 ft
Structure / Slot:	Mewbourne Oil Paduca 7_6 W1GB Fed Com #2H / Mewbourne Oil	TVD Reference Datum:	RKB = 28ft
Well:	Paduca 7_6 W1GB Fed Com #2H	TVD Reference Elevation:	3278.000 ft above MSL
Borehole:	Paduca 7_6 W1GB Fed Com #2H	Seabed / Ground Elevation:	3250.000 ft above MSL
UWI / API#:	Unknown / Unknown	Magnetic Declination:	8.650 °
Survey Name:	Mewbourne Paduca 7_6 W1GB Fed Com #2H MWD 0ft to 19652ft	Total Gravity Field Strength:	998.4253mgn (9.80665 Based)
Survey Date:	July 19, 2019	Gravity Model:	GARM
Tort / AHD / DDI / ERD Ratio:	234.596 ° / 8156.635 ft / 6.491 / 0.672	Total Magnetic Field Strength:	47720.307 nT
Coordinate Reference System:	NAD83 New Mexico State Plane, Eastern Zone, US Feet	Magnetic Dip Angle:	59.648 °
Location Lat / Long:	N 32° 3' 28.84326", W 103° 42' 40.93783"	Declination Date:	July 19, 2019
Location Grid N/E Y/X:	N 385488.700 RUS, E 734017.800 RUS	Magnetic Declination Model:	HDGM 2019
CRS Grid Convergence Angle:	0.3301 °	North Reference:	Grid North
Grid Scale Factor:	0.99995161	Grid Convergence Used:	0.3301 °
Version / Patch:	2.10.782.0	Total Corr Mag North->Grid	6.3189 °
		North:	
		Local Coord Referenced To:	Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Location								
20" Casing	80.00	0.34	322.00	80.00	0.19	0.19	-0.15	0.43
	167.00	0.80	322.00	166.99	1.03	1.03	-0.80	0.43
	277.00	1.60	301.00	276.97	2.17	2.17	-2.27	1.00
	400.00	0.80	48.00	399.98	3.70	3.70	-3.02	1.67
	512.00	0.80	311.00	511.95	4.81	4.80	-2.86	1.14
	628.00	0.80	55.00	627.94	5.80	5.80	-2.91	1.09
	778.00	1.40	109.00	777.92	5.80	5.80	-0.32	0.78
	872.00	3.10	88.00	871.84	5.07	5.08	3.29	1.86
	935.00	2.30	108.00	934.77	4.44	4.45	6.18	1.47
	1030.00	2.60	83.00	1029.69	4.12	4.12	10.13	1.16
Last Survey	1123.00	2.30	118.00	1122.61	3.50	3.50	13.87	1.61
13-3/8" Casing	1215.00	2.65	123.68	1214.52	1.45	1.46	17.27	0.46
First SLB survey	1297.00	2.98	127.58	1296.42	-0.91	-0.90	20.54	0.46
	1392.00	0.97	93.58	1391.36	-2.46	-2.45	23.30	2.36
	1486.00	2.48	328.19	1485.34	-0.78	-0.77	23.02	3.34
	1580.00	3.91	330.33	1579.19	3.73	3.74	20.36	1.53
	1674.00	3.23	311.49	1673.01	8.27	8.28	16.78	1.43
	1768.00	3.84	300.63	1766.63	11.63	11.64	12.10	0.86
	1863.00	2.34	275.67	1861.69	13.45	13.46	7.43	2.08
	1957.00	2.59	261.98	1955.61	13.38	13.38	3.42	0.69
	2052.00	2.03	219.01	2050.54	11.75	11.75	0.23	1.88
	2146.00	2.57	203.80	2144.46	8.53	8.53	-1.66	0.86
	2241.00	2.01	191.99	2239.38	4.95	4.95	-2.87	0.77
	2335.00	1.78	167.92	2333.33	1.91	1.91	-2.91	0.67
	2430.00	1.34	167.37	2428.30	-0.62	-0.62	-2.35	0.46
	2524.00	1.20	174.06	2522.28	-2.67	-2.67	-2.01	0.22
	2619.00	1.29	84.75	2617.26	-3.56	-3.56	-0.84	1.84
	2714.00	1.65	82.06	2712.23	-3.27	-3.27	1.57	0.39
	2809.00	0.18	25.61	2807.22	-2.95	-2.95	2.99	1.64
	2904.00	0.24	334.15	2902.21	-2.64	-2.64	2.97	0.20
	2999.00	0.44	348.29	2997.21	-2.10	-2.10	2.81	0.23
	3093.00	0.17	352.39	3091.21	-1.61	-1.61	2.72	0.29
	3188.00	0.28	2.94	3186.21	-1.24	-1.24	2.71	0.12
	3377.00	0.60	47.24	3375.21	-0.11	-0.10	3.46	0.24
	3472.00	0.84	36.88	3470.20	0.79	0.79	4.25	0.29
	3566.00	1.07	17.06	3564.18	2.18	2.18	4.92	0.42
	3660.00	1.31	29.15	3658.16	3.96	3.96	5.70	0.37
	3755.00	0.85	117.79	3753.15	4.57	4.58	6.85	1.63
	3850.00	0.91	151.47	3848.14	3.58	3.59	7.83	0.54
	3944.00	1.39	139.85	3942.12	2.05	2.06	8.93	0.57
	4038.00	2.35	161.53	4036.07	-0.65	-0.64	10.27	1.25
	4133.00	1.66	182.21	4131.02	-3.87	-3.86	10.84	1.04
	4227.00	0.90	339.50	4225.01	-4.54	-4.53	10.52	2.67
	4270.00	1.42	350.57	4268.00	-3.70	-3.69	10.32	1.31
9-5/8" Casing	4311.00	1.34	350.02	4308.98	-2.72	-2.72	10.15	0.19
	4416.00	1.14	348.28	4413.96	-0.49	-0.48	9.73	0.19
	4511.00	1.23	200.97	4508.95	-0.51	-0.51	9.17	2.39
	4606.00	4.39	189.07	4603.83	-5.06	-5.05	8.23	3.36
	4700.00	4.83	188.85	4697.52	-12.52	-12.52	7.06	0.47
	4795.00	3.70	172.00	4792.26	-19.51	-19.50	6.87	1.78
	4890.00	3.21	163.33	4887.09	-25.09	-25.09	8.06	0.75
	4984.00	3.06	168.37	4980.95	-30.07	-30.07	9.32	0.33
	5079.00	3.03	165.39	5075.81	-34.99	-34.98	10.46	0.17
	5173.00	2.78	165.70	5169.69	-39.60	-39.59	11.85	0.27
	5267.00	3.00	168.29	5263.57	-44.22	-44.21	12.71	0.27
	5362.00	3.08	165.67	5358.44	-49.12	-49.12	13.85	0.17
	5457.00	2.93	165.16	5453.31	-53.94	-53.94	15.10	0.16
	5551.00	2.65	166.17	5547.20	-58.38	-58.37	16.24	0.30
	5646.00	2.75	168.67	5642.09	-62.75	-62.74	17.21	0.16
	5741.00	2.73	165.44	5736.88	-67.17	-67.16	18.23	0.16
	5835.00	2.58	165.45	5830.88	-71.39	-71.38	19.32	0.16
	5930.00	2.41	165.67	5925.79	-75.39	-75.38	20.35	0.16
	6024.00	2.37	162.66	6018.71	-79.18	-79.15	21.42	0.14
	6118.00	1.98	169.54	6113.64	-82.61	-82.60	22.30	0.50
	6213.00	3.26	161.46	6208.54	-86.79	-86.78	23.45	1.40
	6307.00	4.17	158.25	6302.34	-92.50	-92.49	25.57	0.99
	6402.00	3.30	152.80	6397.14	-98.14	-98.12	28.11	0.89

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
	6497.00	2.82	152.68	6492.01	-102.84	-102.62	30.44	0.51
	6591.00	2.43	152.29	6585.91	-106.46	-106.44	32.43	0.42
	6686.00	3.10	157.48	6680.80	-110.62	-110.60	34.35	0.75
	6780.00	3.64	160.88	6774.63	-115.79	-115.77	36.30	0.61
	6875.00	3.17	160.30	6869.47	-121.11	-121.09	38.17	0.50
	6969.00	3.32	158.65	6963.31	-126.09	-126.07	40.04	0.19
	7064.00	2.99	160.43	7058.17	-130.89	-130.87	41.87	0.38
	7158.00	2.81	160.32	7152.05	-135.47	-135.45	43.47	0.19
	7253.00	2.72	162.50	7248.84	-139.81	-139.79	44.93	0.15
	7347.00	2.45	161.49	7340.84	-143.85	-143.82	46.24	0.29
	7441.00	2.43	162.69	7434.76	-147.65	-147.63	47.47	0.08
	7536.00	2.27	162.53	7529.68	-151.37	-151.35	48.63	0.17
	7630.00	2.08	163.34	7623.61	-154.78	-154.76	49.68	0.20
	7725.00	2.08	165.18	7718.55	-158.09	-158.08	50.61	0.07
	7819.00	1.98	168.55	7812.49	-161.29	-161.27	51.36	0.17
	7914.00	1.86	169.94	7907.44	-164.40	-164.38	51.98	0.12
	8008.00	0.56	73.90	8001.42	-165.78	-165.75	52.68	2.13
	8103.00	0.60	74.25	8098.42	-165.52	-165.49	53.59	0.04
	8292.00	0.18	124.34	8285.41	-165.42	-165.39	54.78	0.27
	8386.00	0.33	169.09	8379.41	-165.77	-165.74	54.96	0.25
	8481.00	0.45	168.70	8474.41	-168.40	-168.37	55.10	0.13
	8575.00	0.38	168.42	8568.41	-167.07	-167.04	55.15	0.17
	8670.00	0.58	179.07	8663.40	-167.84	-167.81	55.12	0.20
	8764.00	0.60	181.83	8757.40	-168.78	-168.78	55.03	0.14
	8859.00	0.88	204.33	8852.39	-169.94	-169.91	54.62	0.34
	8953.00	0.28	178.08	8946.38	-170.82	-170.79	54.33	0.68
	9048.00	0.23	73.20	9041.38	-171.00	-170.97	54.52	0.43
	9136.00	0.43	191.42	9129.38	-171.27	-171.24	54.63	0.65
	9230.00	0.82	190.10	9223.38	-172.28	-172.25	54.44	0.42
	9325.00	1.25	151.72	9318.38	-173.86	-173.83	54.81	0.83
	9419.00	1.58	124.20	9412.34	-175.49	-175.47	56.37	0.79
	9513.00	0.75	91.87	9506.32	-176.24	-176.21	58.08	1.09
	9608.00	2.08	42.28	9601.29	-175.00	-174.97	59.83	1.76
	9702.00	2.43	36.55	9695.22	-172.15	-172.12	62.15	0.46
	9797.00	1.73	33.28	9790.15	-169.34	-169.30	64.14	0.75
	9891.00	1.16	47.28	9884.12	-167.50	-167.47	65.61	0.71
	9986.00	1.15	80.94	9979.10	-166.70	-166.67	67.28	0.70
	10080.00	0.83	37.03	10073.09	-168.01	-165.88	68.60	0.85
	10175.00	0.52	316.57	10168.09	-165.15	-165.11	68.72	0.95
	10270.00	0.67	309.01	10263.08	-164.49	-164.45	67.99	0.18
	10364.00	0.34	310.33	10357.08	-163.98	-163.92	67.35	0.35
	10459.00	0.41	355.25	10452.08	-163.44	-163.40	67.11	0.31
	10553.00	1.02	64.23	10546.07	-162.74	-162.70	67.84	1.01
	10647.00	1.35	74.73	10640.05	-162.08	-162.05	69.66	0.42
	10742.00	1.03	88.13	10735.03	-161.73	-161.70	71.59	0.42
	10836.00	0.84	82.47	10829.02	-161.59	-161.55	73.11	0.21
	10930.00	0.90	91.78	10923.01	-161.52	-161.48	74.54	0.18
	11025.00	0.88	112.96	11017.99	-161.82	-161.78	75.94	0.34
	11119.00	1.16	120.88	11111.88	-162.59	-162.55	77.40	0.35
	11213.00	1.25	107.49	11205.98	-163.39	-163.35	79.20	0.32
	11308.00	1.51	88.81	11300.93	-163.67	-163.63	81.44	0.54
	11402.00	1.47	98.19	11394.90	-163.82	-163.78	83.87	0.26
	11433.00	1.51	91.28	11425.89	-163.89	-163.84	84.67	0.59
	11479.00	1.41	104.41	11471.87	-164.04	-164.00	85.82	0.76
	11510.00	0.51	133.22	11502.87	-164.23	-164.19	86.29	3.21
	11542.00	1.98	2.52	11534.86	-163.78	-163.73	88.42	7.33
	11573.00	5.51	355.80	11565.79	-161.76	-161.71	88.34	11.46
	11621.00	11.23	357.62	11613.28	-154.78	-154.74	85.97	11.93
	11651.00	15.27	359.50	11642.48	-147.91	-147.87	85.82	13.54
	11688.00	16.85	357.77	11658.80	-143.24	-143.19	85.70	8.59
	11725.00	24.45	355.96	11712.13	-123.28	-123.24	84.55	13.73
	11762.00	29.65	355.26	11745.08	-106.51	-106.47	83.28	14.08
	11793.00	33.14	353.78	11771.53	-90.44	-90.40	81.70	11.54
	11825.00	35.55	353.28	11797.95	-72.50	-72.46	79.66	7.58
	11857.00	37.16	352.50	11823.72	-53.68	-53.64	77.31	5.23
	11888.00	39.31	352.77	11848.07	-34.85	-34.81	74.85	6.88
	11919.00	42.20	353.32	11871.55	-14.56	-14.52	72.41	9.39
	11951.00	45.34	354.40	11894.68	7.45	7.48	70.04	10.09
	11982.00	48.13	355.12	11915.90	29.82	29.86	67.99	9.16
	12013.00	50.48	355.65	11938.11	53.36	53.39	66.14	7.79
	12045.00	53.69	356.97	11955.78	78.55	78.58	64.56	10.40
	12076.00	56.16	357.62	11973.59	103.89	103.92	63.37	8.15
	12108.00	57.53	357.49	11991.09	130.65	130.69	62.23	4.29
	12139.00	59.35	357.91	12007.31	157.05	157.08	61.17	5.88
	12171.00	63.80	358.67	12022.54	185.17	185.20	60.33	14.06
	12191.00	66.33	358.58	12030.97	203.30	203.33	59.90	12.66
	12232.00	67.72	358.37	12046.98	241.03	241.06	58.89	3.42
7" Casing	12240.00	67.97	358.22	12049.99	248.44	248.47	58.67	3.52
	12263.00	68.68	357.81	12058.49	269.80	269.83	57.93	3.52
	12295.00	70.15	357.99	12069.74	299.74	299.77	56.83	4.62
	12339.00	72.36	358.30	12083.88	341.38	341.41	55.48	5.07
	12370.00	74.77	359.38	12092.65	371.10	371.13	54.69	8.48
	12401.00	78.09	359.93	12099.92	401.23	401.26	54.70	10.85
	12432.00	81.44	358.87	12105.43	431.73	431.76	54.38	11.32
	12464.00	84.28	358.82	12109.41	463.48	463.50	53.69	8.91
	12496.00	84.84	358.71	12112.44	495.32	495.35	52.95	1.77
	12527.00	88.15	359.13	12114.87	526.22	526.25	52.38	4.44
	12621.00	88.38	0.78	12118.36	620.11	620.13	52.29	2.85
	12716.00	88.83	359.87	12121.67	715.07	715.10	52.83	1.07
	12809.00	89.48	0.88	12123.04	808.08	808.09	53.44	1.29
	12903.00	89.24	358.85	12124.09	902.05	902.08	53.22	2.17
	12997.00	90.79	359.89	12124.07	998.04	998.07	52.18	1.89
	13110.00	91.65	358.88	12121.68	1109.01	1109.03	50.97	1.17
	13204.00	91.65	358.30	12118.98	1202.84	1202.86	48.68	0.62
	13298.00	90.72	358.60	12117.01	1288.88	1288.91	46.12	1.04
	13393.00	91.34	359.26	12115.31	1391.85	1391.88	44.34	0.95
	13488.00	91.03	359.22	12113.34	1488.82	1488.85	43.08	0.33
	13582.00	89.90	359.61	12112.58	1580.82	1580.84	42.12	1.27
	13676.00	89.72	359.02	12112.89	1674.81	1674.83	41.00	0.68
	13770.00	89.31	358.71	12113.69	1768.81	1768.81	39.14	0.55
	13865.00	89.79	358.77	12114.43	1863.78	1863.78	37.05	0.51

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	13980.00	80.17	359.10	12114.46	1958.75	1958.77	35.28	0.53
	14054.00	80.03	358.99	12114.30	2052.73	2052.75	33.72	0.19
	14148.00	89.93	358.87	12114.33	2146.72	2146.74	31.96	0.17
	14242.00	89.93	358.57	12114.45	2240.70	2240.71	29.88	0.32
	14335.00	80.31	359.32	12114.25	2333.88	2333.70	28.15	0.90
	14429.00	80.58	359.39	12113.52	2427.67	2427.69	27.09	0.30
	14523.00	80.38	359.70	12112.74	2521.67	2521.68	26.34	0.39
	14711.00	80.65	0.82	12111.05	2709.65	2709.67	27.36	0.68
	14804.00	91.34	1.10	12109.43	2802.62	2802.64	29.00	0.77
	14898.00	80.79	1.19	12107.68	2896.58	2896.60	30.88	0.59
	14992.00	91.10	1.47	12108.13	2990.55	2990.56	33.06	0.44
	15086.00	91.62	1.38	12103.90	3084.49	3084.51	35.38	0.57
	15181.00	89.38	0.23	12103.07	3179.47	3179.49	36.70	2.64
	15275.00	89.31	0.64	12104.15	3273.46	3273.48	37.41	0.44
	15370.00	90.28	0.85	12104.49	3368.45	3368.47	38.65	1.04
	15464.00	89.62	359.89	12104.57	3462.44	3462.46	39.25	1.24
	15559.00	88.97	359.20	12105.74	3557.43	3557.45	38.50	1.00
	15652.00	80.07	359.67	12106.52	3650.42	3650.44	37.58	1.29
	15746.00	90.24	0.08	12108.26	3744.42	3744.44	37.38	0.47
	15840.00	89.48	0.27	12108.49	3838.42	3838.44	37.67	0.83
	15935.00	89.66	0.37	12107.21	3933.42	3933.44	38.20	0.22
	16028.00	89.83	0.18	12107.54	4026.41	4026.44	38.64	0.38
	16122.00	89.83	0.12	12107.74	4120.41	4120.44	38.89	0.12
	16216.00	89.90	0.78	12107.96	4214.41	4214.43	39.63	0.71
	16309.00	88.38	0.70	12109.35	4307.39	4307.41	40.83	1.64
	16403.00	89.66	0.94	12110.96	4401.38	4401.38	42.17	1.39
	16496.00	89.28	359.82	12111.82	4494.35	4494.38	42.79	1.27
	16590.00	88.83	357.61	12113.37	4588.31	4588.33	40.68	2.40
	16683.00	89.62	358.55	12114.63	4681.25	4681.27	37.57	1.32
	16777.00	89.76	358.83	12115.14	4775.23	4775.25	35.42	0.33
	16865.00	89.90	358.27	12115.70	4863.17	4863.18	30.66	0.31
	17059.00	90.48	358.01	12115.38	5057.12	5057.13	27.61	0.68
	17153.00	80.83	357.42	12114.31	5151.04	5151.05	23.88	0.73
	17246.00	89.14	356.95	12114.33	5243.93	5243.94	19.29	1.89
	17340.00	89.28	356.45	12115.63	5337.76	5337.77	13.88	0.55
	17435.00	87.52	356.60	12118.28	5432.55	5432.56	8.13	1.88
	17529.00	87.87	357.05	12122.06	5526.33	5526.34	2.93	0.61
	17623.00	88.38	357.41	12125.14	5620.18	5620.17	-1.81	0.66
	17717.00	88.07	357.79	12128.05	5714.05	5714.05	-5.55	0.52
	17811.00	87.28	357.39	12131.88	5807.89	5807.89	-9.50	0.94
	17906.00	90.00	357.81	12134.12	5902.77	5902.77	-13.47	2.80
	18001.00	91.89	359.52	12132.55	5997.73	5997.72	-15.69	2.68
	18094.00	91.89	359.81	12128.48	6090.68	6090.67	-16.23	0.31
	18189.00	91.96	359.81	12126.29	6185.62	6185.61	-16.55	0.07
	18284.00	91.51	359.70	12123.42	6280.58	6280.57	-16.95	0.49
	18378.00	91.34	359.80	12121.08	6374.55	6374.54	-17.36	0.21
	18472.00	91.41	359.90	12118.82	6468.52	6468.51	-17.61	0.13
	18566.00	91.45	0.22	12116.48	6562.49	6562.48	-17.51	0.34
	18660.00	91.41	359.97	12114.13	6656.46	6656.45	-17.35	0.27
	18754.00	90.83	359.69	12112.29	6750.44	6750.43	-17.83	0.69
	18848.00	90.48	359.12	12111.21	6845.43	6845.42	-18.62	0.70
	18943.00	90.55	359.71	12110.36	6939.42	6939.41	-18.58	0.63
	19038.00	90.86	1.39	12108.22	7032.41	7032.40	-18.69	1.84
	19131.00	90.52	2.09	12108.08	7127.35	7127.35	-15.80	0.82
	19225.00	90.41	2.80	12107.31	7221.27	7221.26	-11.98	0.56
	19320.00	89.04	2.05	12107.77	7316.19	7316.18	-8.10	1.55
	19414.00	89.55	2.21	12108.93	7410.11	7410.11	-4.61	0.57
	19509.00	90.41	2.03	12108.98	7505.04	7505.04	-1.09	0.92
Last Survey	19604.00	90.86	2.55	12107.91	7599.96	7599.96	2.70	0.72
Proj to Bit	19652.00	90.86	2.55	12107.19	7647.91	7647.91	4.84	0.00

Survey Type: Def Survey

Survey Error Model: ISCWSA Rev 0 *** 3-D 85.000% 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	1/88.425	20.000	20.000	NAL_MWD-NON_SLB-Depth Only	Paduca 7_6 W1GB Fed Com #2H / Mewbourne Paduca 7_6 W1GB Fed Com #2H MWD Off to Paduca 7_6 W1GB Fed Com
	1	28.000	28.000	Act Stns	20.000	20.000	NAL_MWD-NON_SLB-Depth Only	#2H / Mewbourne Paduca 7_6 W1GB Fed Com #2H MWD Off to Paduca 7_6 W1GB Fed Com
	1	28.000	80.000	Act Stns	20.000	20.000	NAL_MWD-NON_SLB	Paduca 7_6 W1GB Fed Com #2H / Mewbourne Paduca 7_6 Paduca 7_6 W1GB Fed Com
	1	80.000	1215.000	Act Stns	17.500	13.375	NAL_MWD-NON_SLB	Paduca 7_6 W1GB Fed Com #2H / Mewbourne Paduca 7_6 Paduca 7_6 W1GB Fed Com
	1	1215.000	4311.000	Act Stns	12.250	9.625	NAL_MWD_1.0_DEG	Paduca 7_6 W1GB Fed Com #2H / Mewbourne Paduca 7_6 Paduca 7_6 W1GB Fed Com
	1	4311.000	12240.000	Act Stns	8.750	7.000	NAL_MWD_1.0_DEG	Paduca 7_6 W1GB Fed Com #2H / Mewbourne Paduca 7_6 Paduca 7_6 W1GB Fed Com
	1	12240.000	19652.000	Act Stns	8.125	4.500	NAL_MWD_1.0_DEG	Paduca 7_6 W1GB Fed Com #2H / Mewbourne Paduca 7_6

Oilfield Services, Central U.S. Land
Schlumberger Drilling and Measurements
Drilling Group
Geo Market Area: South West Texas Basin
7220 W I-H 20
Midland, Texas 79706
Phone : (432) 742-5400 (Main)
Fax : (432) 742-5606 (Shared)

Schlumberger

November 1, 2019

Mewbourne Oil Company
500 W Texas Ave Ste 1020
Midland, Texas 79701

Re:

S7, T26S, R32E Lea, NM
N 32.0582897 W -103.7113716

CLIENT: Mewbourne Oil Company
WELL: Paduca 7/6 W1GB Federal 2H
FIELD: Wolfcamp

RIG: Patterson 230
COUNTY: Lea
API NO: 30-025-45870
JOB NO: 19MLE0226

Enclosed, please find the original copy of the survey performed on the referenced well by Drilling & Measurements, a division of Schlumberger Technology Corporation (P-5 No. 754900).
Other information required by your office is as follows.

<u>Name & Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Mohamed Gaber FE	Paduca 7/6 W1GB Federal 2H Original Hole	1297.00 Ft to 19604.00 Ft	July 24, 2019 to August 20, 2019	TelePacer SlimPulse

Schlumberger Drilling and Measurements
Drilling Group
Geo Market Area: South West Texas Basin
7220 W I-H 20
Midland, Texas 79706
Phone : (432) 742-5400 (Main)
Fax : (432) 742-5606 (Shared)

Schlumberger

Well Reference:
S7, T26S, R32E Lea, NM
N 32.0582897 W -103.7113716

I, Mohamed Gaber certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of July 24, 2019 through August 20, 2019, conduct or supervise the taking of the TelePacer & SlimPulse surveys from a depth of 1297.00 feet to a depth of 19604.00 feet referenced to driller's depth; that the data is true, correct, complete and within the limitations of the tool as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of Mewbourne Oil Company for the Paduca 7/6 W1GB Federal 2H Well (Original Hole) API No. 30-025-45870 in New Mexico; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation.

By
Mohamed Gaber
FE

M. Gaber

Subscribed and Sworn to before me this 1 day of November (month) 2019 (yr)

My Commission expires:

6/14/2023

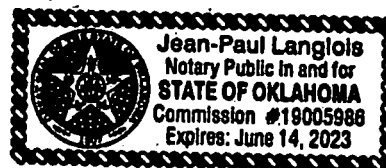
Jean-Paul Langlois

(signature)

Notary Public

Comanche Oklahoma

(County State)



Schlumberger Plan vs Actual Mewbourne Oil Company

Borehole:	Well:	Field:	Structure:
Paduca 7_6 W1GB Fed Com #2H	Paduca 7_6 W1GB Fed Com #2H	NM Lea County (NAD 83)	Mewbourne Oil Paduca 7_6 W1GB Fed Com #2H

Gravity & Magnetic Parameters	Surface Location	NA83 New Mexico State Plane, Eastern Zone, US Feet	Miscellaneous
Model: MAGNET 2018 MagDec: 6.58°	Op: 09.04P FB: 47723.367m	Date: 10-Jul-2018 Gravity FB: 998.422mgals (0.00025 mGal)	Lat: N 32 5 23.84 Long: W 103 43 40.84
		Northing: 365486.7603 Easting: 734917.8603	Grid Cont: 0.3307° Scale Fact: 0.99997191
			Plan: Mewbourne Paduca 7_6 W1GB Fed Com #2H MWD Off to Update

Critical Point	MD	DICL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
Surface Location	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Last Survey	11433.00	1.51	91.28	11425.89	-163.89	-163.84	84.67	0.59
Last SVY before 7"	12191.00	66.33	358.58	12030.97	203.30	203.33	59.90	12.66
PTB	19652.00	90.86	2.55	12107.19	7647.91	7647.91	4.84	0.00

