

Final Plan vs Actual Plan Rev1

Mewbourne Oil Company

0707 20 FEB

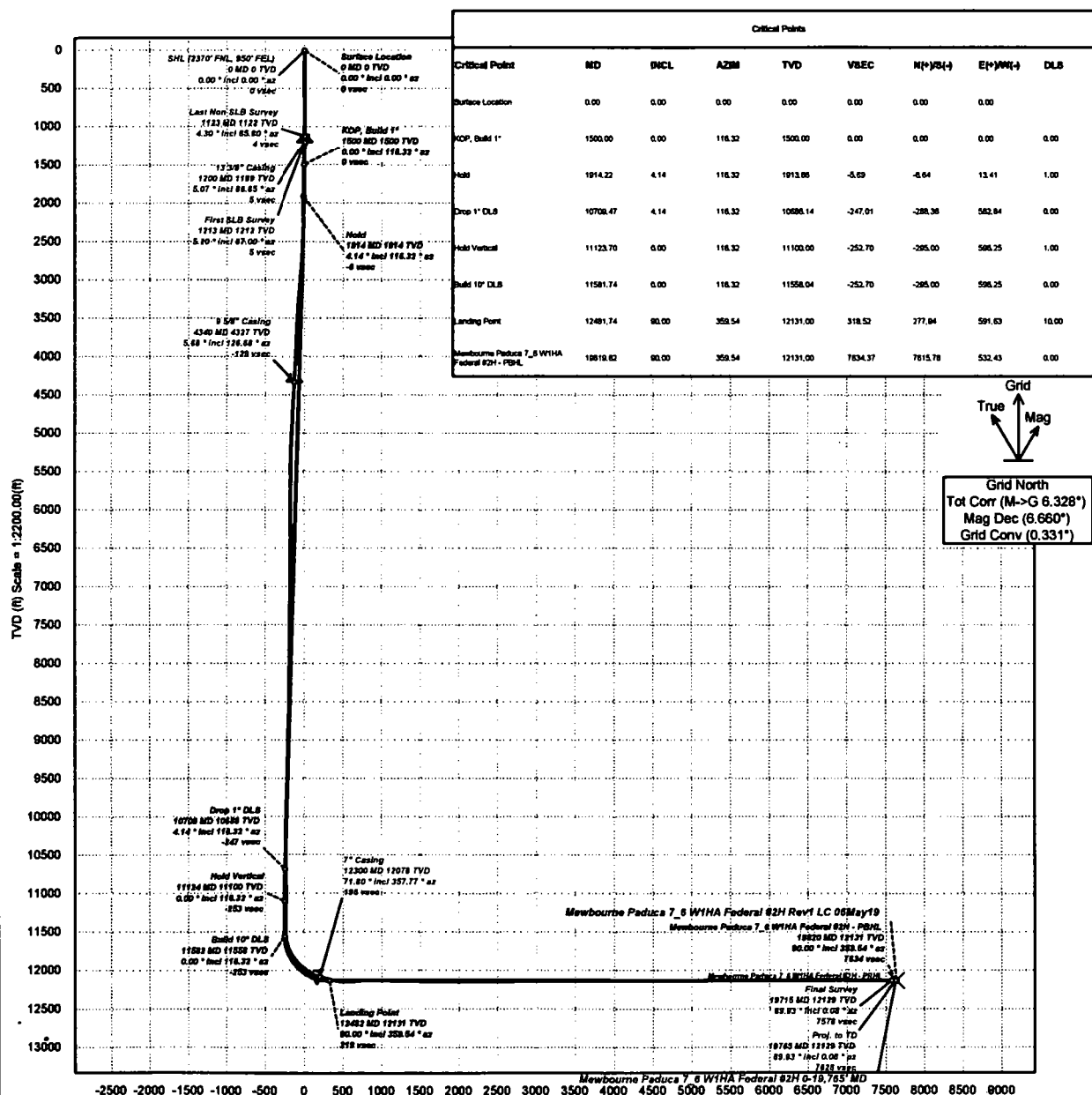
Borehole:	Well:	Field:	Structure:
Paduca 7_6 W1HA Federal #2H	Paduca 7_6 W1HA Federal #2H	NM Lea County (A-1)	Mewbourne Oil Paduca 7_6 W1HA Federal #2H

Gravity & Magnetic Parameters			
Model:	HDGM 2019	Dip:	59.652°
Date:	14-Jun-2019		
MagDec:	6.88°	FS:	47730.214nT
Gravity FS:	998.428mgn (9.80665 Based)		

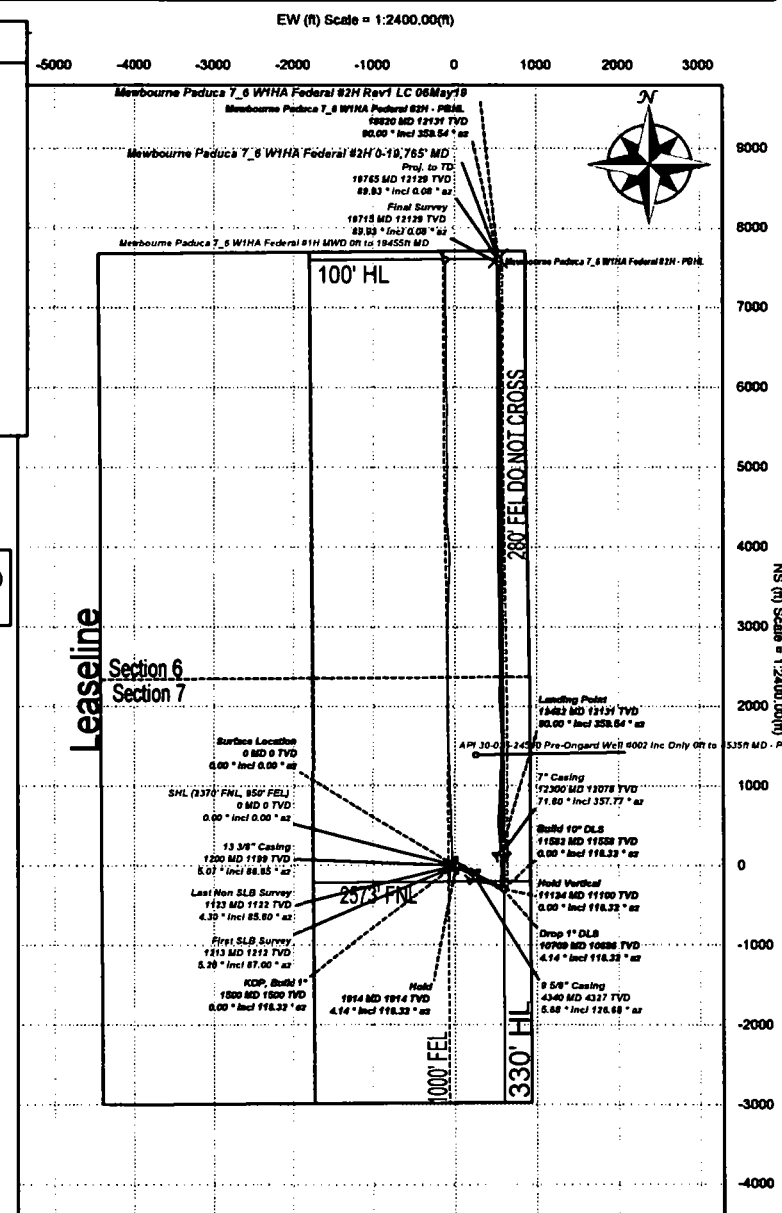
Surface Location					NAD83 New Mexico State Plane, Eastern Zone, US Feet				
Lat:	N	32	3	30.15	Northing:	385534.3	RUS	Grid Conv:	0.3315'
Lon:	W	103	42	31.70	Easting:	734812.6	RUS	Scale Fact:	0.99995108

Miscellaneous

Slot:	New Slot	TVD Ref:	RKB(3272ft above MSL)
Plan:	Mewbourne Paduca 7.6 W1HA Federal #2H Rev1 LC 06May16		



Vertical Section (ft) Azim = 4.00° Scale = 1:2200.00(ft) Origin = 0N/-S, 0E/-W



Mewbourne Paduca 7_6 W1HA Federal #2H 0-19,765' Survey Geodetic Report (Def Survey)

Report Date: July 17, 2019 - 09:42 AM
 Client: Mewbourne Oil Company
 Field: NM Lea County (NAD 83)
 Structure / Slot: Mewbourne Oil Paduca 7_6 W1HA Federal #2H / New Slot
 Well: Paduca 7_6 W1HA Federal #2H
 Borehole: Paduca 7_6 W1HA Federal #2H
 UWI / APIS: Unknown / Unknown
 Survey Name: Mewbourne Paduca 7_6 W1HA Federal #2H 0-19,765'
 Survey Date: June 14, 2019
 Tori / AHD / DDI / ERD Ratio: 238.361' / 8569.818 ft / 8.522 / 0.706
 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 3' 30.15015", W 103° 42' 31.70101"
 Location Grid N/E Y/X: N 385534.300 RJUS, E 734812.500 RJUS
 CRS Grid Convergence Angle: 0.3315°
 Grid Scale Factor: 0.98995106
 Version / Patch: 2.10.760.0

Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 4.000° (Grid North)
 Vertical Section Origin: 0.000 ft, 0.000 ft
 TVD Reference Datum: RKB
 TVD Reference Elevation: 3272.000 ft above MSL
 Seabed / Ground Elevation: 3244.000 ft above MSL
 Magnetic Declination: 6.660°
 Total Gravity Field Strength: 988.4258mgn (9.80665 Based)
 Gravity Model: GARM
 Total Magnetic Field Strength: 47730.214 nT
 Magnetic Dip Angle: 59.652°
 Declination Date: June 14, 2019
 Magnetic Declination Model: HDGM 2019
 North Reference: Grid North
 Grid Convergence Used: 0.3315°
 Total Corr Mag North->Grid North: 6.3283°
 Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/E ° ' ")	Longitude (E/W ° ' ")
SHL (2370' FNL, 950' FEL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	385534.30	734812.50	N 32° 3' 30.15" W 103° 42' 31.70"	
13 3/8" Casing	190.00	0.80	207.00	189.89	-1.22	-1.18	-0.60	0.42	385533.12	734811.80	N 32° 3' 30.14" W 103° 42' 31.71"	
	279.00	0.70	253.00	278.99	-1.89	-1.89	-1.40	0.87	385532.41	734811.10	N 32° 3' 30.13" W 103° 42' 31.72"	
	385.00	0.30	257.00	394.88	-2.33	-2.17	-2.38	0.35	385532.13	734810.12	N 32° 3' 30.13" W 103° 42' 31.73"	
	514.00	0.50	101.00	513.98	-2.48	-2.34	-2.17	0.66	385531.96	734810.33	N 32° 3' 30.13" W 103° 42' 31.73"	
	631.00	2.60	0.96	630.94	0.10	0.22	-1.63	2.33	385534.52	734810.87	N 32° 3' 30.15" W 103° 42' 31.72"	
	750.00	2.80	98.00	749.88	2.60	2.51	1.30	3.40	385536.31	734813.80	N 32° 3' 30.17" W 103° 42' 31.69"	
	845.00	3.40	93.00	844.72	2.48	2.04	6.41	0.69	385536.34	734818.91	N 32° 3' 30.17" W 103° 42' 31.63	
	938.00	3.70	89.00	937.54	2.79	1.95	12.16	0.42	385536.25	734824.66	N 32° 3' 30.17" W 103° 42' 31.56"	
	1028.00	3.50	89.00	1027.36	3.29	2.05	17.81	0.22	385536.35	734830.31	N 32° 3' 30.17" W 103° 42' 31.49"	
	1123.00	4.30	85.80	1122.14	4.05	2.36	24.27	0.87	385536.66	734836.76	N 32° 3' 30.17" W 103° 42' 31.42"	
	1200.00	5.07	86.85	1198.88	4.88	2.78	30.54	1.01	385537.06	734843.04	N 32° 3' 30.18" W 103° 42' 31.35"	
	1213.00	5.20	87.00	1211.83	5.03	2.82	31.70	1.01	385537.12	734844.20	N 32° 3' 30.18" W 103° 42' 31.33"	
	1305.00	4.43	87.12	1303.51	5.96	3.22	38.42	0.84	385537.52	734851.81	N 32° 3' 30.18" W 103° 42' 31.24"	
	1400.00	4.35	82.86	1398.23	6.47	3.22	46.68	0.47	385537.52	734859.18	N 32° 3' 30.18" W 103° 42' 31.16"	
	1494.00	4.12	82.80	1491.97	6.61	2.88	53.61	0.24	385537.18	734866.11	N 32° 3' 30.18" W 103° 42' 31.08"	
	1589.00	4.34	96.48	1586.71	6.53	2.31	60.59	0.37	385536.81	734873.09	N 32° 3' 30.17" W 103° 42' 31.00"	
	1683.00	4.50	96.44	1680.43	6.22	1.49	67.79	0.17	385535.79	734880.29	N 32° 3' 30.16" W 103° 42' 30.91"	
	1778.00	4.02	113.39	1775.17	4.85	-0.25	74.55	1.41	385534.05	734887.05	N 32° 3' 30.14" W 103° 42' 30.83"	
	1872.00	4.23	114.62	1868.93	2.64	-3.00	80.73	0.24	385531.30	734893.22	N 32° 3' 30.12" W 103° 42' 30.76"	
	1967.00	4.58	123.28	1963.85	-0.45	-6.54	87.08	0.79	385527.76	734899.58	N 32° 3' 30.08" W 103° 42' 30.69"	
	2061.00	4.73	125.03	2057.34	-4.28	-10.83	93.39	0.22	385523.48	734905.89	N 32° 3' 30.04" W 103° 42' 30.62"	
	2156.00	4.78	121.81	2152.01	-8.15	-15.16	98.96	0.29	385519.14	734912.46	N 32° 3' 29.99" W 103° 42' 30.54"	
	2250.00	4.63	120.97	2245.70	-11.70	-19.18	106.55	0.18	385515.12	734919.04	N 32° 3' 29.95" W 103° 42' 30.48"	
	2345.00	4.77	121.82	2340.38	-15.29	-23.24	113.19	0.17	385511.06	734925.68	N 32° 3' 29.91" W 103° 42' 30.39"	
	2440.00	5.05	119.81	2435.03	-18.98	-27.41	120.17	0.35	385506.80	734932.66	N 32° 3' 29.87" W 103° 42' 30.31"	
	2534.00	4.83	122.17	2528.68	-22.63	-31.57	127.11	0.32	385502.73	734939.60	N 32° 3' 29.83" W 103° 42' 30.23"	
	2629.00	5.13	135.02	2623.32	-27.30	-36.70	133.49	1.21	385497.60	734945.99	N 32° 3' 29.78" W 103° 42' 30.15"	
	2723.00	5.25	138.10	2716.94	-33.05	-42.88	139.34	0.32	385491.43	734951.83	N 32° 3' 29.72" W 103° 42' 30.08"	
	2818.00	5.35	144.84	2811.53	-39.51	-49.73	144.79	0.66	385484.57	734957.28	N 32° 3' 29.65" W 103° 42' 30.02"	
	2912.00	5.43	144.68	2905.12	-46.35	-56.84	149.88	0.09	385477.38	734962.36	N 32° 3' 29.58" W 103° 42' 29.96"	
	3007.00	5.69	147.10	2999.87	-53.59	-64.57	155.04	0.37	385469.74	734967.53	N 32° 3' 29.50" W 103° 42' 29.90"	
	3101.00	5.75	147.52	3093.20	-61.11	-72.45	160.10	0.08	385461.85	734972.59	N 32° 3' 29.42" W 103° 42' 29.85"	
	3196.00	5.82	148.89	3187.71	-68.94	-80.68	165.19	0.23	385453.84	734977.68	N 32° 3' 29.34" W 103° 42' 29.79"	
	3290.00	6.03	144.61	3281.20	-76.72	-88.84	170.55	0.49	385445.47	734983.04	N 32° 3' 29.26" W 103° 42' 29.73"	
	3385.00	5.34	129.54	3375.74	-83.15	-95.72	176.85	1.72	385436.59	734989.34	N 32° 3' 29.19" W 103° 42' 29.65"	
	3479.00	4.68	132.18	3469.38	-86.05	-101.07	183.05	0.76	385433.24	734995.54	N 32° 3' 29.14" W 103° 42' 29.58"	
	3574.00	4.94	138.43	3564.05	-93.30	-106.72	188.63	0.62	385427.69	735001.12	N 32° 3' 29.08" W 103° 42' 29.52"	
	3668.00	3.77	132.93	3657.78	-88.08	-111.85	193.58	1.32	385422.45	735006.07	N 32° 3' 29.03" W 103° 42' 29.46"	
	3763.00	4.25	123.32	3752.54	-101.76	-115.91	198.80	0.87	385418.39	735011.29	N 32° 3' 28.99" W 103° 42' 29.40"	
	3857.00	4.80	115.78	3846.24	-104.98	-119.57	205.33	0.94	385414.73	735017.82	N 32° 3' 28.96" W 103° 42' 29.32"	
3952.00	5.01	122.65	3940.89	-108.45	-123.57	212.48	0.83	385410.73	735024.97	N 32° 3' 28.92" W 103° 42' 29.24"		
4047.00	5.55	127.09	4035.48	-112.85	-128.58	218.63	0.71	385405.72	735032.12	N 32° 3' 28.87" W 103° 42' 29.16"		
4141.00	6.21	125.10	4128.98	-118.06	-134.25	227.42	0.73	385400.06	735039.91	N 32° 3' 28.81" W 103° 42' 29.07"		
4236.00	6.86	129.08	4223.47	-123.50	-140.28	235.39	0.57	385394.05	735047.88	N 32° 3' 28.75" W 103° 42' 28.98"		
4298.00	5.64	126.28	4265.15	-126.94	-144.06	240.30	0.37	385390.26	735052.79	N 32° 3' 28.71" W 103° 42' 28.92"		
4340.00	5.68	126.68	4326.95	-129.17	-146.52	243.63	0.14	385387.70	735056.12	N 32° 3' 28.69" W 103° 42' 28.88"		
4421.00	5.77	127.43	4407.54	-133.58	-151.39	250.08	0.14	385382.92	735062.57	N 32° 3' 28.64" W 103° 42' 28.81"		
4516.00	5.35	124.52	4502.10	-138.46	-156.80	257.52	0.53	385377.50	735070.01	N 32° 3' 28.58" W 103° 42' 28.72"		
4610.00	5.49	122.50	4595.68	-142.83	-161.70	264.93	0.25	385372.81	735077.41	N 32° 3' 28.53" W 103° 42' 28.63"		
4705.00	5.44	125.03	4690.25	-147.32	-168.73	272.45	0.26	385367.58	735084.83	N 32° 3' 28.48" W 103° 42' 28.55"		
4799.00	5.37	124.03	4783.83	-151.82	-171.75	279.74	0.12	385362.56	735092.23	N 32° 3' 28.43" W 103° 42' 28.48"		
4894.00	5.38	125.14	4878.41	-156.34	-176.79	287.05	0.11	385357.52	735099.54	N 32° 3' 28.38" W 103° 42' 28.38"		
4988.00	5.33	124.80	4972.00	-160.84	-181.81	294.23	0.05	385352.50	735106.71	N 32° 3' 28.33" W 103° 42' 28.29"		
5083.00	5.48	124.14	5066.58	-165.38	-186.87	301.61	0.17	385347.44	735114.09	N 32° 3' 28.28" W 103° 42' 28.21"		
5177.00	4.57	125.13	5160.22	-169.57	-191.55	308.38	0.97	385342.78	735120.87	N 32° 3' 28.24" W 103° 42' 28.13"		
5272.00	4.34	103.00	5254.84	-172.09	-194.53	314.98	1.81	385338.78	735127.47	N 32° 3' 28.21" W 103° 42' 28.05"		
5368.00	4.24	98.93	5348.68	-172.94	-195.67	321.69	0.34	385338.44	735134.37	N 32° 3' 28.19" W 103° 42' 27.97"		
5461.00	4.12	101.87	5443.42	-173.71	-197.12	328.69	0.26	385337.19	735141.17	N 32° 3' 28.18" W 103° 42' 27.90"		
5555.00	4.18	97.76	5537.16	-174.40	-198.26	335.39	0.32	385336.03	735147.87	N 32° 3' 28.17" W 103° 42' 27.82"		
5650.00	4.01	95.91	5631.93	-174.74	-199.09	342.12	0.23	385335.22	735154.81	N 32° 3' 28.16" W 103° 42' 27.74"		
5744.00	3.98	96.96	5725.71	-175.01	-199.82	348.63	0.08	385334.49	735161.11	N 32° 3' 28.15" W 103° 42' 27.66"		
5839.00	3.82	97.91	5820.48	-175.41	-200.67	355.12	0.09	385333.64	735167.60	N 32° 3' 28.14" W 103° 42' 27.59"		
5934.00	3.67	94.20	5915.27	-175.84	-201.34	361.37	0.37	385332.97	735173.85	N 32° 3' 28.14" W 103° 42' 27.52"		
6028.00	3.46	92.05	6009.09	-175.55	-201.66	367.20	0.26	385332.65	735179.69	N 32° 3' 28.13" W 103° 42' 27.45"		
6123.00	3.10	96.85	6103.93	-175.58	-202.06	372.82	0.48	385332.24	735185.10	N 32° 3' 28.13" W 103° 42' 27.38"		
6217.00	3.10	97.00	6197.80	-175.84	-202.68	377.67	0.01	385331.63	735190.15	N 32° 3' 28.12" W 103° 42' 27.33"		
6312.00	2.98	98.12	6292.68	-176.15	-203.34	382.68	0.14	385330.97	735195.14	N 32° 3' 28.12" W 103° 42' 27.27"		
6406.00	2.83	100.00	6386.54	-176.58	-204.10	387.44	0.12	385330.21	735199.93	N 32° 3' 28.11" W 103° 42' 27.21"		
6501.00	2.89	100.43	6481.42	-177.10	-204.96	392.19	0.05	385329.35	735204.67	N 32° 3' 28.10" W 103° 42' 27.16"		
6595.00	2.75	100.83	6575.30	-177.64	-205.81	396.74	0.15	385328.50	735209.22	N 32° 3' 28.09" W 103° 42' 27.11"		
6690.00	2.59	104.81	6670.20	-178.30	-206.76	401.05	0.25	385327.53	735213.53	N 32° 3' 28.08" W 103° 42' 27.05"		
6784.00	2.47	108.68	6764.11	-179.21	-207.67	405.02	0.24	385326.34	735217.50	N 32° 3' 2		

Comments	MD (ft)	Incl (°)	Azimuth (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northings (ft)	Easting (ft)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	7351.00	1.88	105.85	7330.73	-184.78	-214.82	424.50	0.27	385319.39	735236.98	N 32° 28' 00" W	103° 42' 26.78" E
	7446.00	1.91	96.27	7425.67	-185.17	-215.82	427.57	0.33	385318.79	735240.05	N 32° 27' 59" W	103° 42' 26.75" E
	7541.00	1.93	103.33	7520.62	-185.49	-216.08	430.70	0.25	385318.25	735243.18	N 32° 27' 59" W	103° 42' 26.71" E
	7635.00	1.81	114.57	7614.57	-186.29	-217.06	433.28	0.44	385317.25	735246.06	N 32° 27' 58" W	103° 42' 26.68" E
	7730.00	1.85	113.13	7709.52	-187.34	-218.31	436.35	0.09	385316.00	735248.83	N 32° 27' 58" W	103° 42' 26.65" E
	7824.00	2.01	111.58	7803.47	-188.33	-219.51	439.28	0.18	385314.80	735251.76	N 32° 27' 55" W	103° 42' 26.61" E
	7919.00	1.96	119.24	7898.41	-189.53	-220.92	442.24	0.28	385313.39	735254.72	N 32° 27' 54" W	103° 42' 26.58" E
	8013.00	1.76	114.94	7992.36	-190.73	-222.31	444.86	0.26	385312.00	735257.43	N 32° 27' 52" W	103° 42' 26.55" E
	8108.00	3.47	102.02	8087.26	-191.65	-223.53	448.09	1.89	385310.78	735261.57	N 32° 27' 51" W	103° 42' 26.50" E
	8202.00	3.45	96.21	8181.09	-192.16	-224.42	454.69	0.37	385309.89	735265.16	N 32° 27' 50" W	103° 42' 26.43" E
	8297.00	3.38	89.03	8275.92	-192.52	-225.17	460.29	0.19	385308.14	735272.77	N 32° 27' 50" W	103° 42' 26.37" E
	8391.00	2.97	89.08	8369.78	-192.97	-225.89	465.43	0.44	385308.32	735277.81	N 32° 27' 50" W	103° 42' 26.31" E
	8486.00	2.57	102.21	8464.67	-193.50	-226.83	469.95	0.45	385307.48	735282.42	N 32° 27' 58" W	103° 42' 26.26" E
	8580.00	2.24	88.35	8558.58	-193.94	-227.54	473.82	0.39	385306.77	735286.30	N 32° 27' 57" W	103° 42' 26.21" E
	8675.00	3.88	117.50	8653.45	-195.36	-229.30	478.51	2.01	385305.01	735290.89	N 32° 27' 55" W	103° 42' 26.16" E
	8769.00	3.87	131.54	8747.23	-196.56	-232.87	483.71	1.01	385301.44	735296.18	N 32° 27' 52" W	103° 42' 26.10" E
	8864.00	3.28	133.97	8842.05	-202.26	-236.88	488.06	0.64	385297.43	735300.54	N 32° 27' 58" W	103° 42' 26.05" E
	8958.00	2.50	126.43	8935.93	-205.09	-239.97	491.65	0.92	385294.35	735304.12	N 32° 27' 55" W	103° 42' 26.00" E
	9053.00	1.62	133.67	9030.87	-207.05	-242.12	494.29	0.86	385292.19	735306.76	N 32° 27' 53" W	103° 42' 25.97" E
	9147.00	2.88	124.00	9124.79	-209.12	-244.41	497.27	1.50	385289.90	735309.75	N 32° 27' 50" W	103° 42' 25.94" E
	9242.00	2.93	128.45	9219.66	-211.73	-247.30	501.22	0.25	385287.01	735313.70	N 32° 27' 57" W	103° 42' 25.89" E
	9337.00	2.56	132.40	9314.55	-214.42	-250.24	504.69	0.44	385284.07	735317.17	N 32° 27' 55" W	103° 42' 25.85" E
	9431.00	2.30	130.73	9408.47	-216.86	-252.89	507.67	0.29	385281.43	735320.14	N 32° 27' 52" W	103° 42' 25.82" E
	9526.00	2.24	131.81	9503.39	-219.14	-255.37	510.50	0.08	385278.94	735322.87	N 32° 27' 59" W	103° 42' 25.79" E
	9620.00	2.69	140.70	9597.31	-221.87	-258.30	513.26	0.62	385276.01	735325.73	N 32° 27' 56" W	103° 42' 25.75" E
	9715.00	2.31	153.09	9692.22	-225.14	-261.74	515.54	0.69	385272.58	735328.01	N 32° 27' 53" W	103° 42' 25.73" E
	9809.00	2.22	162.42	9786.14	-228.45	-265.16	518.95	0.40	385269.15	735329.42	N 32° 27' 50" W	103° 42' 25.71" E
	9904.00	1.47	184.57	9881.09	-231.43	-268.17	517.40	1.05	385266.14	735329.88	N 32° 27' 47" W	103° 42' 25.71" E
	9998.00	1.47	177.02	9975.06	-233.87	-270.82	517.36	0.22	385263.70	735329.84	N 32° 27' 44" W	103° 42' 25.71" E
	10093.00	0.72	168.52	10070.04	-235.65	-272.42	517.55	0.81	385261.89	735330.02	N 32° 27' 42" W	103° 42' 25.71" E
	10187.00	2.42	105.61	10164.01	-236.61	-273.52	519.58	2.33	385262.05	735332.05	N 32° 27' 41" W	103° 42' 25.68" E
	10282.00	2.31	104.16	10258.93	-237.33	-274.51	523.37	0.12	385259.80	735335.85	N 32° 27' 40" W	103° 42' 25.64" E
	10376.00	2.11	116.62	10352.86	-238.33	-275.75	526.76	0.55	385258.57	735339.23	N 32° 27' 39" W	103° 42' 25.60" E
	10471.00	1.96	118.01	10447.80	-239.67	-277.30	529.75	0.17	385257.02	735342.23	N 32° 27' 38" W	103° 42' 25.56" E
	10565.00	1.84	105.17	10541.75	-240.61	-278.44	532.63	0.47	385255.87	735345.10	N 32° 27' 36" W	103° 42' 25.53" E
	10659.00	2.70	72.40	10635.68	-240.09	-278.17	536.20	1.62	385256.14	735346.87	N 32° 27' 37" W	103° 42' 25.49" E
	10754.00	2.64	69.28	10730.58	-238.35	-276.72	540.38	0.17	385257.59	735352.85	N 32° 27' 38" W	103° 42' 25.44" E
	10849.00	2.26	63.38	10825.49	-236.48	-275.11	544.10	0.48	385258.21	735356.57	N 32° 27' 40" W	103° 42' 25.40" E
	10943.00	2.28	79.04	10919.42	-235.06	-273.82	547.59	0.66	385260.39	735360.06	N 32° 27' 41" W	103° 42' 25.38" E
	11037.00	1.76	83.20	11013.36	-234.30	-273.39	550.86	0.57	385260.92	735363.33	N 32° 27' 41" W	103° 42' 25.32" E
	11131.00	1.27	147.54	11107.33	-234.87	-274.10	552.85	1.77	385260.21	735365.32	N 32° 27' 41" W	103° 42' 25.30" E
	11226.00	0.96	161.88	11202.31	-236.45	-275.75	553.66	0.44	385258.57	735366.14	N 32° 27' 39" W	103° 42' 25.29" E
	11320.00	2.13	100.72	11296.28	-237.39	-276.82	555.63	1.99	385257.49	735368.10	N 32° 27' 38" W	103° 42' 25.28" E
	11414.00	2.53	97.26	11380.20	-237.71	-277.41	558.40	0.45	385256.91	735371.87	N 32° 27' 37" W	103° 42' 25.22" E
	11512.00	2.47	91.48	11508.09	-237.75	-277.80	564.53	0.22	385256.51	735377.00	N 32° 27' 37" W	103° 42' 25.16" E
	11579.00	3.45	31.00	11555.04	-236.44	-276.62	566.27	6.59	385257.70	735378.74	N 32° 27' 38" W	103° 42' 25.14" E
	11626.00	8.07	8.17	11601.79	-231.89	-272.74	569.49	10.79	385262.18	735379.94	N 32° 27' 42" W	103° 42' 25.13" E
	11674.00	12.43	6.75	11649.02	-223.36	-263.67	568.55	9.10	385270.65	735381.02	N 32° 27' 51" W	103° 42' 25.11" E
	11721.00	18.82	5.30	11694.24	-210.68	-251.04	569.85	13.83	385283.27	735382.32	N 32° 27' 53" W	103° 42' 25.10" E
	11769.00	24.50	4.82	11738.82	-192.83	-233.36	571.41	11.63	385300.95	735383.88	N 32° 27' 51" W	103° 42' 25.08" E
	11816.00	30.42	7.67	11780.51	-171.29	-211.84	573.82	12.90	385322.47	735386.29	N 32° 28' 02" W	103° 42' 25.05" E
	11863.00	35.03	5.53	11820.04	-145.82	-186.61	576.71	10.11	385347.70	735389.18	N 32° 28' 27" W	103° 42' 25.01" E
	11910.00	38.93	4.22	11857.58	-117.66	-158.44	579.09	8.47	385375.87	735391.56	N 32° 28' 55" W	103° 42' 24.98" E
	11958.00	42.84	3.35	11893.92	-88.31	-127.16	581.15	7.82	385407.15	735393.63	N 32° 29' 06" W	103° 42' 24.96" E
	12005.00	46.87	2.63	11927.29	-53.23	-84.12	582.87	9.06	385440.18	735395.34	N 32° 29' 19" W	103° 42' 24.93" E
	12052.00	50.13	359.82	11958.43	-18.09	-58.94	583.60	8.25	385475.36	735396.07	N 32° 29' 53" W	103° 42' 24.92" E
	12099.00	53.87	356.02	11987.37	-18.72	-21.95	582.23	10.19	385512.35	735394.70	N 32° 29' 50" W	103° 42' 24.94" E
	12146.00	57.69	355.76	12013.82	-87.17	16.79	578.44	7.95	385551.09	735391.81	N 32° 30' 28" W	103° 42' 24.87" E
	12193.00	62.07	356.62	12037.43	87.42	57.32	576.75	8.64	385591.62	735389.22	N 32° 30' 58" W	103° 42' 25.00" E
	12253.00	68.21	358.58	12062.17	151.70	111.80	574.49	12.27	385646.19	735386.86	N 32° 31' 22" W	103° 42' 25.02" E
7" Casing	12300.00	71.80	357.77	12077.85	195.77	156.19	572.08	5.74	385690.47	735385.55	N 32° 31' 36" W	103° 42' 25.03" E
	12344.00	74.22	357.03	12080.71	237.57	198.21	571.16	5.74	385732.50	735383.64	N 32° 32' 08" W	103° 42' 25.05" E
	12391.00	73.44	356.47	12103.80	282.35	243.27	568.61	2.02	385777.56	735381.08	N 32° 32' 52" W	103° 42' 25.08" E
	12438.00	74.19	354.89	12116.90	327.01	288.28	565.24	3.42	385822.57	735377.72	N 32° 33' 07" W	103° 42' 25.11" E
	12485.00	78.69	355.38	12127.82	372.15	333.80	561.41	9.61	385868.09	735373.88	N 32° 33' 42" W	103° 42' 25.16" E
	12533.00	82.14	355.66	12135.91	418.96	380.98	557.72	7.21	385915.26	735370.18	N 32° 33' 58" W	103° 42' 25.19" E
	12580.00	85.46	355.34	12140.89	465.16	427.55	554.05	7.10	385961.83	735366.52	N 32° 34' 35" W	103° 42' 25.23" E
	12627.00	88.97	354.20	12143.27	511.49	474.30	549.77	7.85	386008.57	735362.24	N 32° 34' 48" W	103° 42' 25.28" E
	12675.00	90.17	356.94	12143.63	558.96	522.15	546.06	6.23	386056.42	735358.54	N 32° 35' 29" W	103° 42' 25.32" E
	12722.00	92.78	0.39	12142.42	605.73	569.11	544.97	9.20	386103.38	735357.44	N 32° 35' 57" W	103° 42' 25.33" E
	12769.00	95.82	4.40	12138.98	652.58	615.92	546.92	10.44	386150.19	735359.40	N 32° 36' 21" W	103° 42' 25.30" E
	12816.00	95.88	4.94	12134.28	699.34	662.53	550.73	1.25	386196.80	735363.20	N 32° 36' 57" W	103° 42' 25.26" E
	12863.00	93.54	4.53	12130.42	746.17	709.21	554.60	5.01	386243.48	735367.07	N 32° 37' 14" W	103° 42' 25.21" E
	12910.00	92.30	3.82	12126.03	793.11	756.03	558.01	3.04	386290.29	735370.49	N 32° 37' 50" W	103° 42' 25.17" E
	13005.00	88.97	2.11	12126.88	888.07	850.88	562.93	3.94	386385.13	735375.40	N 32° 38' 54" W	10

Comments	MD (m)	Incl (°)	Azim Grid (°)	TVD (m)	VSEC (m)	NS (m)	EW (m)	DLS (°/1000)	Northing (mUS)	Easting (mUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	16230.00	89.21	359.22	12131.53	4102.30	4074.12	546.32	0.42	389608.22	735358.79	N 32 4 10.43 W	103 42 25.08
	16324.00	89.83	359.72	12131.50	4186.01	4168.12	545.45	0.67	389702.21	735357.92	N 32 4 11.36 W	103 42 25.08
	16418.00	90.17	359.67	12131.50	4289.75	4262.11	544.95	0.37	389796.20	735357.42	N 32 4 12.29 W	103 42 25.08
	16513.00	90.17	359.39	12131.21	4384.46	4357.11	544.17	0.29	389891.19	735356.64	N 32 4 13.23 W	103 42 25.08
	16607.00	90.07	359.18	12131.02	4478.14	4451.10	542.99	0.25	389985.18	735355.47	N 32 4 14.16 W	103 42 25.09
	16701.00	90.21	359.56	12130.79	4571.83	4545.10	541.86	0.43	390079.17	735354.43	N 32 4 15.09 W	103 42 25.10
	16796.00	90.21	359.60	12130.44	4666.55	4640.09	541.27	0.04	390174.16	735353.74	N 32 4 16.03 W	103 42 25.10
	16890.00	90.07	359.42	12130.21	4760.26	4734.09	540.46	0.24	390268.15	735352.83	N 32 4 16.96 W	103 42 25.10
	16984.00	90.34	359.71	12129.87	4853.98	4828.09	539.75	0.42	390362.14	735352.22	N 32 4 17.89 W	103 42 25.10
	17078.00	89.83	358.78	12129.65	4947.55	4922.08	538.51	1.08	390456.13	735350.88	N 32 4 18.82 W	103 42 25.11
	17174.00	90.03	359.74	12129.69	5043.32	5018.07	537.27	1.01	390552.12	735349.74	N 32 4 19.77 W	103 42 25.12
	17269.00	90.00	0.18	12129.66	5138.09	5113.07	537.20	0.46	390647.11	735348.68	N 32 4 20.71 W	103 42 25.11
	17363.00	90.10	359.87	12129.58	5231.86	5207.07	537.24	0.35	390741.11	735348.72	N 32 4 21.64 W	103 42 25.11
	17458.00	89.93	0.52	12129.55	5326.65	5302.07	537.57	0.71	390836.10	735350.04	N 32 4 22.58 W	103 42 25.10
	17552.00	89.90	359.98	12129.69	5420.45	5396.06	537.98	0.58	390930.09	735350.45	N 32 4 23.51 W	103 42 25.09
	17647.00	89.93	359.61	12129.83	5515.19	5491.06	537.64	0.39	391025.09	735350.11	N 32 4 24.45 W	103 42 25.08
	17741.00	90.03	359.78	12129.87	5608.93	5585.06	537.14	0.21	391119.08	735349.61	N 32 4 25.38 W	103 42 25.08
	17836.00	89.93	359.94	12129.90	5703.68	5680.06	536.90	0.20	391214.08	735349.38	N 32 4 26.32 W	103 42 25.08
	17931.00	90.52	0.31	12129.53	5798.46	5775.06	537.11	0.73	391309.07	735349.59	N 32 4 27.26 W	103 42 25.07
	18025.00	90.28	0.42	12128.87	5892.27	5869.06	537.71	0.28	391403.06	735350.18	N 32 4 28.19 W	103 42 25.06
	18120.00	90.14	359.93	12128.52	5987.06	5969.05	538.00	0.54	391498.06	735350.47	N 32 4 29.13 W	103 42 25.05
	18215.00	89.73	359.63	12128.63	6081.80	6059.05	537.64	0.53	391593.05	735350.11	N 32 4 30.08 W	103 42 25.05
	18309.00	90.03	358.72	12128.63	6175.46	6153.04	536.28	1.02	391687.03	735348.76	N 32 4 31.01 W	103 42 25.05
	18403.00	90.17	0.04	12128.66	6269.16	6247.03	535.27	1.41	391781.02	735347.74	N 32 4 31.94 W	103 42 25.06
	18497.00	90.10	0.11	12128.44	6362.93	6341.03	535.39	0.11	391875.02	735347.86	N 32 4 32.87 W	103 42 25.05
	18591.00	89.97	0.31	12128.38	6456.73	6435.03	535.73	0.25	391969.01	735348.21	N 32 4 33.80 W	103 42 25.04
	18686.00	90.72	359.90	12127.81	6551.51	6530.03	535.91	0.80	392064.00	735348.38	N 32 4 34.74 W	103 42 25.03
	18779.00	90.03	0.03	12127.20	6644.27	6623.03	535.85	0.75	392157.00	735348.32	N 32 4 35.66 W	103 42 25.03
	18874.00	89.89	0.27	12127.44	6738.06	6718.03	536.10	0.44	392251.99	735348.57	N 32 4 36.60 W	103 42 25.02
	18969.00	90.00	0.14	12127.69	6833.85	6813.03	536.44	0.35	392346.99	735348.91	N 32 4 37.54 W	103 42 25.01
	19062.00	89.80	0.21	12127.77	6929.64	6909.03	536.72	0.13	392439.98	735349.20	N 32 4 38.46 W	103 42 25.00
	19156.00	89.87	0.27	12127.88	7020.44	7000.02	537.12	0.10	392533.97	735349.59	N 32 4 39.39 W	103 42 24.99
	19250.00	89.35	0.17	12128.44	7114.23	7094.02	537.48	0.67	392627.97	735349.95	N 32 4 40.32 W	103 42 24.98
	19344.00	90.10	0.19	12128.89	7208.02	7188.02	537.77	0.80	392721.96	735350.25	N 32 4 41.25 W	103 42 24.97
	19439.00	89.66	359.97	12129.09	7302.80	7283.02	537.91	0.52	392816.95	735350.38	N 32 4 42.19 W	103 42 24.96
	19532.00	90.24	0.48	12129.17	7395.60	7376.02	538.27	0.83	392909.95	735350.74	N 32 4 43.11 W	103 42 24.95
	19626.00	89.93	0.31	12129.03	7489.41	7470.02	538.92	0.38	393003.94	735351.39	N 32 4 44.04 W	103 42 24.94
Final Survey	19715.00	89.93	0.08	12129.14	7578.22	7559.01	538.22	0.26	393092.94	735351.70	N 32 4 44.92 W	103 42 24.93
Proj. to TD	19765.00	89.93	0.08	12129.20	7628.10	7609.01	538.29	0.00	393142.93	735351.76	N 32 4 45.41 W	103 42 24.92

Survey Type: Def Survey

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma
Survey Program:

Description	Part	MD From (m)	MD To (m)	EOU Freq (m)	Hole Size	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	28.000	1/88.425	17.500	13.375	NAL_MWD_1.0_DEG-Depth Only	Paduca 7_6 W1HA Federal #2H/ Mewbourne Paduca 7_6 W1HA Federal #2H 0-19,765'
	1	28.000	28.000	Act Strs	17.500	13.375	NAL_MWD_1.0_DEG-Depth Only	Paduca 7_6 W1HA Federal #2H/ Mewbourne Paduca 7_6 W1HA Federal #2H 0-19,765'
	1	28.000	1200.000	Act Strs	17.500	13.375	NAL_MWD_1.0_DEG	Paduca 7_6 W1HA Federal #2H/ Mewbourne Paduca 7_6 W1HA Federal #2H 0-19,765'
	1	1200.000	4340.000	Act Strs	12.250	9.625	NAL_MWD_1.0_DEG	Paduca 7_6 W1HA Federal #2H/ Mewbourne Paduca 7_6 W1HA Federal #2H 0-19,765'
	1	4340.000	12300.000	Act Strs	8.750	7.000	NAL_MWD_1.0_DEG	Paduca 7_6 W1HA Federal #2H/ Mewbourne Paduca 7_6 W1HA Federal #2H 0-19,765'
	1	12300.000	19765.000	Act Strs	6.125	6.125	NAL_MWD_1.0_DEG	Paduca 7_6 W1HA Federal #2H/ Mewbourne Paduca 7_6 W1HA Federal #2H 0-19,765'

...Paduca 7_6 W1HA Federal #2H-Mewbourne Paduca 7_6 W1HA Federal #2H 0-19,765'

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

July 22, 2019

Mewbourne Oil Company
PO Box 5270
Hobbs, New Mexico, 88240

Re:

S7, T26S, R32E, Lea, NM
N 32.058375 W -103.7088058

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

RIG: Patterson 230
COUNTY: Lea
API NO: 30-025-45846
JOB NO: 19MLE0205

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>
Balqees A. FE	Paduca 7/6 WIHA Federal 2H Original Hole	1213.00 Ft to 19715.00 Ft	June 18, 2019 to July 16, 2019	TelePacer/SlimPulse 3rd Party Corrected

If any other information is required, please contact the undersigned at the above letterhead and phone number.
Sincerely,

Justin Medlock
Field Service Manager

Schlumberger-Private

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

Well Reference:
S7, T26S, R32E, Lea, NM
N 32.058375 W -103.7088058

I, Balqees A. certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of June 18, 2019 through July 16, 2019, conduct or supervise the taking of the TelePacer/SlimPulse & 3rd Party Corrected surveys from a depth of 1213.00 feet to a depth of 19715.00 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 WIHA Federal 2H Well (Original Hole) API No. 30-025-45846 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
Balqees A.
FE

Balqees A.

Subscribed and Sworn to before me this 31 day of July (month) 2019 (yr)

My Commission expires:

6/14/2023

Jean-Paul Langlois

(signature)

Notary Public

Conanche Oklahoma

(County State)

