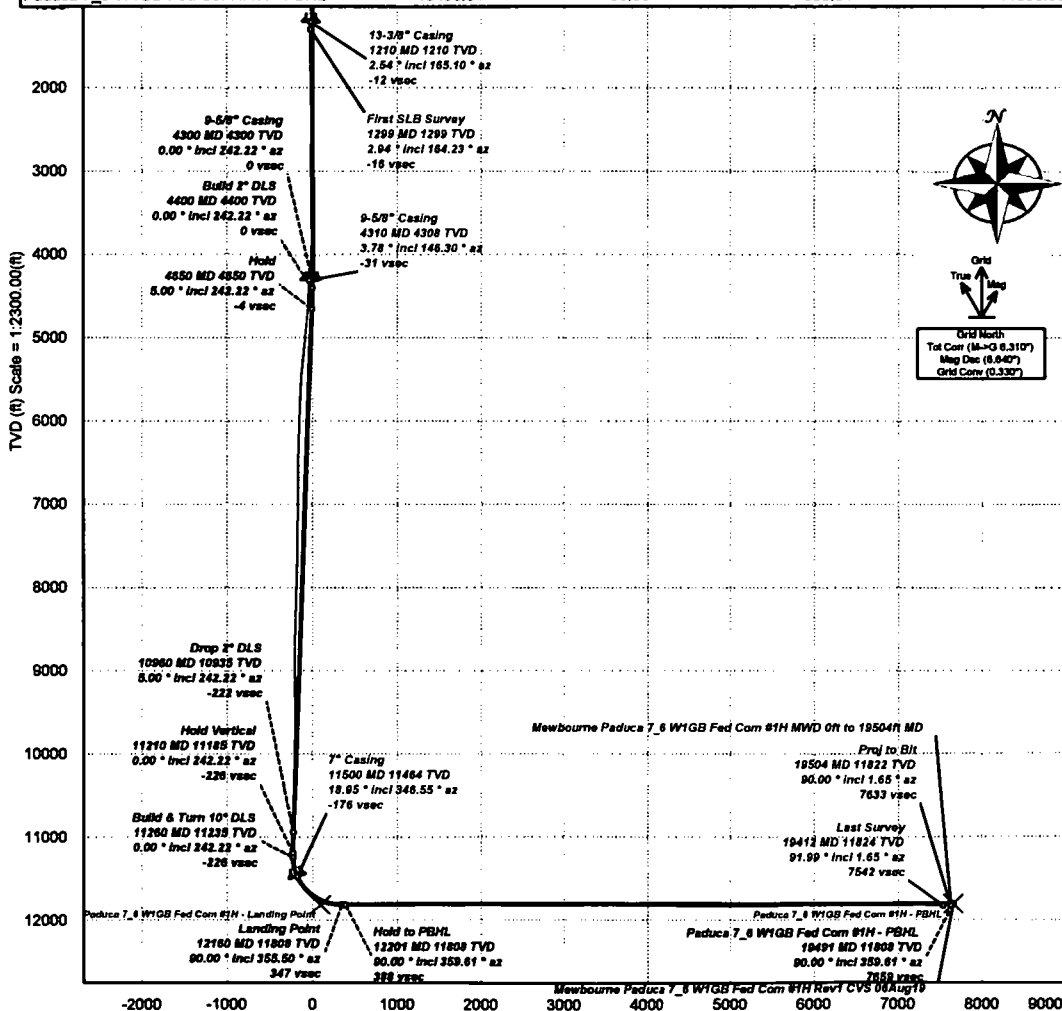
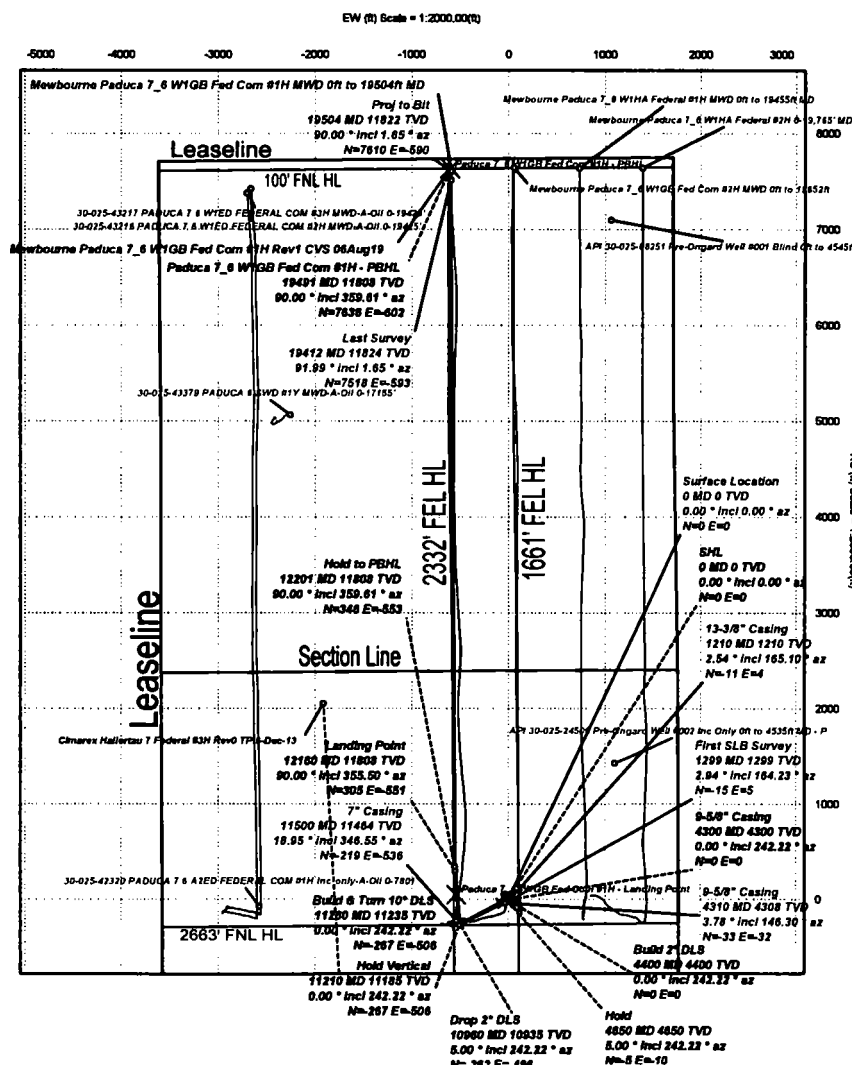


Borehole:	Well:	Field:	Structure:
Paduca 7_6 W1GB Fed Com #1H	Paduca 7_6 W1GB Fed Com #1H	NM Lea County (NAD 83)	Mewbourne Oil Paduca 7_6 W1GB Fed Com #1H
Gravity & Magnetic Parameters			
Model: HDGM 2019	Dip: 59.844°	Date: 23-Aug-2019	Surface Location
		NAD83 New Mexico State Plane, Eastern Zone, US Feet	Lat: N 32 3 29.84
		Northings: 385498.38US	Grid Conv: 0.33°
		Miscellaneous	Slot: New Slot
		TVD Ref: RKB = 28ft(3278ft above MSL)	
Critical Point	MD	INCL	AZIM
SHL	0.00	0.00	0.00
9-5/8" Casing	4300.00	0.00	242.22
Build 2° DLS	4400.00	0.00	242.22
Hold	4650.09	5.00	242.22
Drop 2° DLS	10959.61	5.00	242.22
Hold Vertical	11209.70	0.00	242.22
Build & Turn 10° DLS	11259.70	0.00	242.22
Landing Point	12159.70	90.00	355.50
Hold to PBHL	12200.79	90.00	359.61
Paduca 7_6 W1GB Fed Com #1H - PBHL	19490.91	90.00	359.61
Critical Point	TVD	VSEC	M(Y)B(L)
SHL	0.00	0.00	0.00
9-5/8" Casing	4300.00	0.00	0.00
Build 2° DLS	4400.00	0.00	0.00
Hold	4649.78	-4.31	-5.09
Drop 2° DLS	10935.26	-221.67	-261.51
Hold Vertical	11185.04	-225.98	-266.60
Build & Turn 10° DLS	11235.04	-225.98	-266.60
Landing Point	11808.00	346.98	304.59
Hold to PBHL	11808.00	388.04	345.64
Paduca 7_6 W1GB Fed Com #1H - PBHL	11808.00	7659.31	7635.58
Critical Point	E(Y)W(L)		
SHL	0.00		
9-5/8" Casing	0.00		
Build 2° DLS	0.00		
Hold	-9.65		
Drop 2° DLS	-496.35		
Hold Vertical	-506.00		
Build & Turn 10° DLS	-506.00		
Landing Point	-550.95		
Hold to PBHL	-552.71		
Paduca 7_6 W1GB Fed Com #1H - PBHL	-602.43		



Vertical Section (ft) Azim = 355.49° Scale = 1:2300.00(ft) Origin = 0N/S, 0E/W



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Mewbourne Paduca 7_6 W1GB Fed Com #1H MMWD Off to 19504H MD
Survey Geodetic Report
(Not Survey)

Comments	MD (m)	Incl (°)	Azim Grid (°)	TVD (m)	VSEC (m)	NS (m)	EW (m)	DLS (m/1000)	Closure (m)	Closure Azimuth (°)	Northing (mUS)	Easting (mUS)	Latitude (N/S ° ° ' '')	Longitude (E/W ° ° ' '')
	9145.00	4.11	266.53	9118.48	-203.97	-236.18	-400.49	0.09	484.85	236.47	385282.13	733567.33	N 32 37.53 W 103 42 48.19	
	9239.00	5.03	261.88	9212.19	-204.16	-236.97	-407.84	0.85	471.77	239.85	385281.86	733568.86	N 32 37.52 W 103 42 48.27	
	9333.00	5.00	271.35	9305.83	-203.99	-237.45	-418.11	0.87	478.09	240.29	385280.87	733551.71	N 32 37.52 W 103 42 48.37	
	9427.00	4.52	274.19	9399.51	-203.01	-237.08	-423.90	0.57	485.70	240.78	385281.24	733553.82	N 32 37.52 W 103 42 48.46	
	9522.00	4.56	270.47	9494.21	-202.12	-236.77	-431.41	0.31	482.12	241.24	385281.54	733536.41	N 32 37.52 W 103 42 48.55	
	9617.00	4.29	268.45	9588.83	-201.73	-236.88	-438.73	0.44	488.83	241.83	385281.35	733529.09	N 32 37.52 W 103 42 48.63	
	9711.00	4.00	258.10	9682.69	-202.04	-237.80	-445.45	0.84	504.95	241.80	385280.52	733522.37	N 32 37.51 W 103 42 48.71	
	9806.00	4.09	253.50	9777.45	-203.09	-239.37	-451.88	0.41	511.39	242.09	385258.85	733515.84	N 32 37.50 W 103 42 48.79	
	9900.00	4.35	253.56	9871.20	-204.51	-241.31	-458.44	0.37	518.07	242.24	385257.01	733508.38	N 32 37.48 W 103 42 48.86	
	9994.00	4.65	248.93	9964.91	-206.34	-243.69	-465.42	0.50	525.35	242.38	385254.63	733502.41	N 32 37.46 W 103 42 48.94	
	10089.00	5.06	251.00	10059.57	-208.48	-246.44	-472.97	0.47	533.32	242.48	385251.88	733494.85	N 32 37.43 W 103 42 47.03	
	10184.00	5.11	247.45	10154.20	-210.84	-248.42	-480.84	0.34	541.68	242.58	385248.80	733486.99	N 32 37.40 W 103 42 47.12	
	10278.00	5.11	255.61	10247.83	-212.85	-252.07	-488.78	0.77	549.93	242.72	385246.25	733479.06	N 32 37.38 W 103 42 47.21	
	10373.00	4.44	251.82	10342.50	-214.45	-254.27	-496.35	0.78	557.69	242.88	385244.05	733471.47	N 32 37.35 W 103 42 47.30	
	10467.00	3.22	252.18	10438.28	-215.82	-256.21	-502.32	1.30	563.89	242.88	385242.11	733465.50	N 32 37.34 W 103 42 47.37	
	10562.00	2.80	253.73	10531.18	-216.93	-257.60	-507.11	0.48	568.79	243.07	385240.72	733460.72	N 32 37.32 W 103 42 47.43	
	10656.00	2.45	270.47	10625.06	-217.14	-258.15	-511.34	0.81	572.81	243.21	385240.17	733458.48	N 32 37.32 W 103 42 47.48	
	10751.00	1.80	260.98	10718.99	-217.08	-258.37	-514.85	0.78	576.04	243.35	385239.95	733452.98	N 32 37.31 W 103 42 47.52	
	10845.00	1.83	261.55	10813.94	-217.30	-258.82	-517.78	0.04	578.87	243.44	385239.50	733450.03	N 32 37.31 W 103 42 47.55	
	10939.00	1.18	256.25	10907.91	-217.56	-259.27	-520.22	0.71	581.24	243.51	385239.05	733447.81	N 32 37.31 W 103 42 47.58	
	11033.00	0.83	260.88	11001.90	-217.77	-259.61	-521.83	0.38	582.84	243.55	385238.71	733446.00	N 32 37.30 W 103 42 47.60	
	11128.00	0.68	243.77	11096.89	-218.03	-259.96	-523.01	0.28	584.06	243.57	385238.35	733444.81	N 32 37.30 W 103 42 47.61	
	11182.00	0.52	261.44	11130.89	-218.12	-260.08	-523.35	0.71	584.41	243.57	385238.24	733444.48	N 32 37.30 W 103 42 47.62	
	11199.00	0.08	265.72	11167.89	-218.13	-260.12	-523.73	0.45	584.77	243.58	385238.20	733444.09	N 32 37.30 W 103 42 47.62	
	11248.00	0.08	244.23	11214.87	-217.29	-259.82	-523.24	4.37	584.87	243.68	385239.00	733443.58	N 32 37.31 W 103 42 47.63	
	11294.00	4.93	354.81	11262.78	-214.38	-258.43	-524.87	6.06	583.88	243.95	385241.69	733443.16	N 32 37.31 W 103 42 47.63	
	11341.00	7.25	345.28	11309.51	-208.44	-251.54	-525.80	5.37	582.69	244.42	385246.77	733442.23	N 32 37.38 W 103 42 47.64	
	11388.00	0.71	338.23	11355.98	-202.71	-244.87	-527.76	5.56	581.84	245.10	385253.35	733440.07	N 32 37.45 W 103 42 47.67	
	11483.00	17.50	344.19	11448.28	-180.88	-223.70	-534.50	8.28	578.43	247.29	385274.61	733433.32	N 32 37.66 W 103 42 47.74	
7" Casing	11500.00	18.95	346.55	11484.41	-175.75	-218.56	-535.84	9.57	578.70	247.81	385276.78	733431.89	N 32 37.71 W 103 42 47.76	
	11577.00	25.78	353.93	11535.58	-146.82	-189.71	-540.53	9.57	572.85	250.68	385308.81	733427.30	N 32 32.80 W 103 42 47.81	
	11672.00	37.04	3.17	11616.58	-87.42	-140.41	-541.13	12.88	558.05	255.45	385357.80	733428.69	N 32 32.84 W 103 42 47.82	
	11766.00	49.14	1.85	11685.12	-34.40	-78.88	-534.62	13.33	540.18	261.84	385433.20	733429.11	N 32 32.91 W 103 42 47.74	
	11860.00	58.89	8.82	11740.29	39.64	-1.53	-523.51	10.40	523.51	269.83	385444.32	733446.78	N 32 32.71 W 103 42 47.86	
	11956.00	68.53	8.80	11782.31	122.43	82.54	-510.48	10.15	517.11	279.18	385580.84	733457.34	N 32 33.08 W 103 42 47.44	
	11985.00	70.46	8.96	11785.82	131.54	91.79	-509.04	18.36	517.25	280.22	385580.09	733458.79	N 32 33.07 W 103 42 47.43	
	12015.00	75.69	9.15	11800.37	178.02	139.02	-501.51	10.47	520.42	285.49	385637.31	733468.32	N 32 33.12 W 103 42 47.34	
	12056.00	78.22	10.29	11809.82	216.73	178.38	-494.76	8.74	525.94	289.83	385676.67	733473.06	N 32 33.16 W 103 42 47.26	
	12151.00	88.35	6.67	11820.72	308.54	271.56	-480.90	11.31	552.28	299.45	385769.85	733486.82	N 32 33.25 W 103 42 47.09	
	12198.00	95.82	4.30	11819.08	354.78	318.29	-478.41	16.27	572.95	303.75	385816.57	733491.41	N 32 33.32 W 103 42 47.03	
	12245.00	96.79	5.81	11814.01	400.82	364.87	-472.83	2.53	587.24	307.68	385863.18	733494.89	N 32 33.34 W 103 42 46.99	
	12340.00	96.26	6.73	11803.21	483.83	443.59	-463.59	2.43	594.78	314.70	385913.83	733504.22	N 32 33.41 W 103 42 46.97	
	12371.00	94.98	6.62	11800.18	524.09	489.44	-460.01	4.21	617.68	318.87	385987.72	733507.81	N 32 33.47 W 103 42 46.83	
	12434.00	89.35	3.97	11797.82	588.10	552.09	-454.20	9.85	714.92	320.58	386050.37	733513.82	N 32 33.53 W 103 42 46.76	
	12529.00	91.48	3.78	11797.13	680.08	648.87	-447.78	2.25	788.73	325.31	386145.14	733520.04	N 32 33.67 W 103 42 46.88	
	12623.00	67.58	1.82	11797.88	773.29	740.73	-443.18	4.63	863.18	329.11	386239.00	733524.63	N 32 33.72 W 103 42 46.62	
	12717.00	86.52	359.45	11802.72	868.78	834.59	-442.15	2.76	944.48	332.09	386332.86	733525.67	N 32 33.81 W 103 42 46.60	
	12811.00	92.61	358.07	11803.43	960.58	928.52	-444.19	8.84	1028.30	334.43	386326.78	733523.64	N 32 33.86 W 103 42 46.62	
	12905.00	86.32	354.88	11804.31	1054.50	1022.28	-449.90	7.50	1118.83	338.24	386320.53	733517.88	N 32 33.88 W 103 42 46.68	
	12989.00	85.25	355.24	11811.22	1148.24	1115.88	-458.03	1.20	1208.04	337.68	386313.83	733508.79	N 32 34.01 W 103 42 46.77	
	13083.00	86.18	352.95	11818.24	1241.94	1208.91	-467.88	2.62	1296.22	338.85	386307.15	733506.15	N 32 34.18 W 103 42 46.87	
	13187.00	90.31	355.50	11821.12	1335.85	1302.38	-477.13	5.18	1387.01	339.88	386300.60	733490.70	N 32 34.27 W 103 42 46.88	
	13281.00	91.58	354.51	11819.57	1429.63	1395.99	-485.31	1.71	1477.94	340.83	386389.22	733482.52	N 32 34.38 W 103 42 47.08	
	13376.00	92.24	355.17	11816.41	1524.77	1490.55	-493.85	0.88	1570.23	341.67	386388.78	733473.88	N 32 34.46 W 103 42 47.16	
	13470.00	91.58	357.00	11813.27	1618.71	1584.27	-500.26	2.07	1661.38	342.48	386382.50	733467.56	N 32 34.55 W 103 42 47.23	
	13565.00	90.55	358.40	11811.51	1713.67	1678.10	-505.73	1.25	1753.61	343.24	386377.32	733462.10	N 32 34.64 W 103 42 47.31	
	13659.00	87.90	355.57	11812.78	1807.64	1772.85	-512.31	2.85	1845.39	343.88	386371.08	733455.52	N 32 34.71 W 103 42 47.35	
	13753.00	88.11	358.06	11815.86	1891.64	1867.58	-517.53	2.84	1937.49	344.50	386364.87	733450.30	N 32 34.84 W 103 42 47.41	
	13848.00	87.18	358.32	11818.31	1986.42	1961.58	-520.58	2.05	2028.45	345.14	386358.77	733447.38	N 32 34.91 W 103 42 47.44	
	13942.00	91.79	0.87	11819.15	2080.15	2055.52	-521.38	5.50	2120.61	345.77	386353.72	733446.47	N 32 35.02 W 103 42 47.44	
	14037.00	96.58	3.90	11812.22	2184.20	2150.15	-517.59	8.08	2211.57	346.47	386348.35	733450.24	N 32 35.11 W 103 42 47.39	
	14131.00	96.20	4.75	11801.78	2276.50	2243.30	-510.54	0.99	2300.67	347.18	386341.49	733457.28	N 32 35.07 W 103 42 47.30	
	14224.00	92.34	3.32	11794.83	2368.20	2335.80	-504.02	4.42	2389.56	347.82	386333.88	733453.80	N 32 35.08 W 103 42 47.22	
	14302.00	88.73	3.07	11794.10	2445.48	2413.86	-499.88	4.84	2464.84	348.30	386326.78	733448.15	N 32 35.07 W 103 42 47.16	
	14426.00	88.40	1.38	11797.18	2538.58	2537.52	-494.88	1.40	2555.33	348.96	386320.53	733442.94	N 32 35.08 W 103 42 47.10	
	14520.00	88.21	359.41	11796.95	2631.47	2604.25	-489.25	2.09	2647.49	349.58	386314.87	733437.57	N 32 35.01 W 103 42 47.09	
	14614.00	88.11	356.63	11792.97	2726.04	2725.38	-487.50	2.80	2737.40	349.65	386308.53	733430.33	N 32 35.04 W 103 42 47.12	
	14708.00	88.04	355.61	11806.13	2819.08	2819.08	-503.86	1.09	2833.78	349.87	386317.25	733433.97		

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Closure (ft)	Closure Azimuth (°)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ° °)	Longitude (E/W ° ° °)
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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	28.000	1/98.425	17.500	13.375	NAL_MWD-NON_SLB-Depth Only	Paduca 7_6 W1GB Fed Com #1H / Mewbourne Paduca 7_6 W1GB Fed Com #1H MWD Off to Paduca 7_6 W1GB Fed Com #1H / Mewbourne Paduca 7_6 W1GB Fed Com #1H MWD Off to Paduca 7_6 W1GB Fed Com #1H / Mewbourne Paduca 7_6
	1	28.000	28.000	Act Strs	17.500	13.375	NAL_MWD-NON_SLB-Depth Only	
	1	28.000	1210.000	Act Strs	17.500	13.375	NAL_MWD-NON_SLB	Paduca 7_6 W1GB Fed Com #1H / Mewbourne Paduca 7_6
	1	1210.000	4310.000	Act Strs	12.250	9.625	NAL_MWD_1.0_DEG	Paduca 7_6 W1GB Fed Com #1H / Mewbourne Paduca 7_6
	1	4310.000	11500.000	Act Strs	8.750	7.000	NAL_MWD_1.0_DEG	Paduca 7_6 W1GB Fed Com #1H / Mewbourne Paduca 7_6
	1	11500.000	19504.000	Act Strs	6.250	5.500	NAL_MWD_1.0_DEG	Paduca 7_6 W1GB Fed Com #1H / Mewbourne Paduca 7_6