

Unit Petroleum

Reno County, Kansas [NAD 83]

Section 20 T24S-R9W

M&M Farms 17 #2H

OH

Survey: MWD

Wellpath Report

08 January, 2015





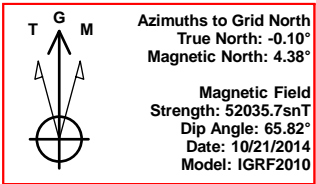
Unit Petroleum
 Project: Reno County, Kansas [NAD 83]
 Site: Section 20 T24S-R9W
 Well: M&M Farms 17 #2H
 Wellbore: OH
 Design: Design #5
 Lat: 37° 57' 16.570 N
 Long: 98° 20' 1.987 W
 Pad GL: 1684.00
 KB: 14' KB @ 1698.00usft (UDI 331)



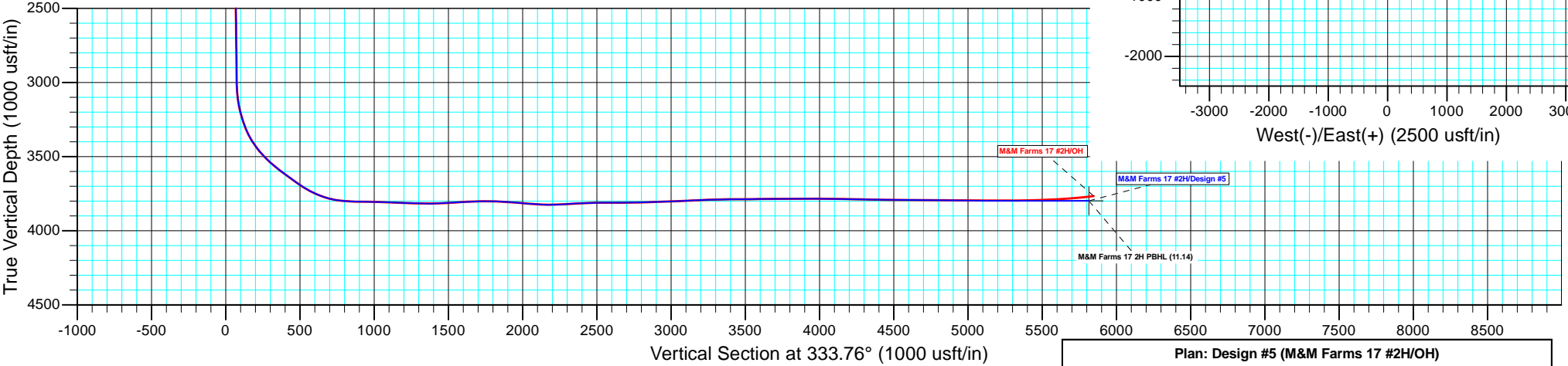
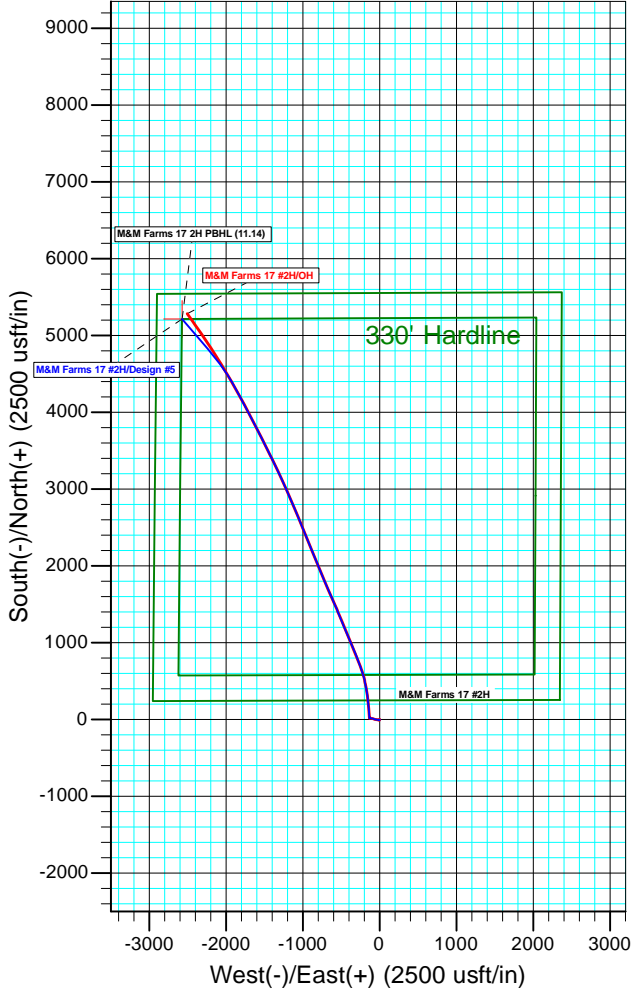
SECTION DETAILS								
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
8139.00	89.10	330.80	3793.87	4340.81	-1891.81	0.00	0.00	4729.91
8664.71	90.00	319.48	3798.01	4771.46	-2191.79	2.16	-85.51	5248.82
9248.61	90.00	319.48	3798.00	5215.33	-2571.16	0.00	0.00	5814.69

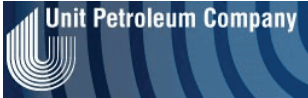
WELL DETAILS: M&M Farms 17 #2H							
+N/-S	+E/-W	Northing	Ground Level: Easting	1684.00	Latitude	Longitude	Slot
0.00	0.00	1781343.00	1360228.00	37° 57' 16.570 N	98° 20' 1.987 W		

PROJECT DETAILS: Reno County, Kansas [NAD 83]
 Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: Kansas Southern Zone
 System Datum: Mean Sea Level



NOTE: All Lease lines and Hard lines are estimates only and are subject to the customers' approval.





Company:	Unit Petroleum	Local Co-ordinate Reference:	Well M&M Farms 17 #2H
Project:	Reno County, Kansas [NAD 83]	TVD Reference:	14' KB @ 1698.00usft (UDI 331)
Site:	Section 20 T24S-R9W	MD Reference:	14' KB @ 1698.00usft (UDI 331)
Well:	M&M Farms 17 #2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM ON IWSERVER

Project	Reno County, Kansas [NAD 83]		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Kansas Southern Zone		Using geodetic scale factor

Site	Section 20 T24S-R9W				
Site Position:		Northing:	1,781,343.00 usft	Latitude:	37° 57' 16.570 N
From:	Map	Easting:	1,360,228.00 usft	Longitude:	98° 20' 1.987 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.10 °

Well	M&M Farms 17 #2H					
Well Position	+N/-S	0.00 usft	Northing:	1,781,343.00 usft	Latitude:	37° 57' 16.570 N
	+E/-W	0.00 usft	Easting:	1,360,228.00 usft	Longitude:	98° 20' 1.987 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	1,684.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	10/21/2014	4.48	65.82	52,036

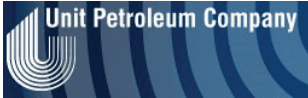
Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	333.76	



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Well:	M&M Farms 17 #2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM ON IWSERVER

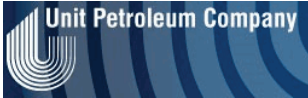
Survey Program		Date				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description		
100.00	2,880.00	Gyro (OH)	CB-GYRO-MS	Camera based gyro multishot		
2,973.00	9,265.00	MWD (OH)	MWD	MWD - Standard		

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	V. Sec (usft)	DLeg (°/100usft)
2,880.00	1.00	288.71	2,875.97	17.85	-127.72	1,781,360.85	1,360,100.29	72.48	0.00
2,973.00	1.00	284.80	2,968.95	18.31	-129.28	1,781,361.31	1,360,098.73	73.59	0.07
3,005.00	1.10	292.70	3,000.95	18.50	-129.83	1,781,361.50	1,360,098.18	74.01	0.55
3,036.00	2.20	333.90	3,031.94	19.15	-130.37	1,781,362.15	1,360,097.64	74.82	5.01
3,068.00	4.10	343.00	3,063.89	20.80	-130.97	1,781,363.80	1,360,097.04	76.57	6.12
3,100.00	6.60	348.50	3,095.75	23.70	-131.67	1,781,366.69	1,360,096.34	79.48	7.97
3,132.00	9.50	351.50	3,127.43	28.11	-132.43	1,781,371.11	1,360,095.58	83.77	9.15
3,163.00	12.30	354.80	3,157.86	33.93	-133.11	1,781,376.93	1,360,094.90	89.29	9.25
3,194.00	14.30	355.80	3,188.03	41.04	-133.69	1,781,384.03	1,360,094.32	95.92	6.49
3,226.00	16.50	356.80	3,218.88	49.52	-134.23	1,781,392.51	1,360,093.78	103.77	6.92
3,257.00	18.50	357.00	3,248.44	58.82	-134.73	1,781,401.82	1,360,093.28	112.34	6.45
3,287.00	20.70	356.90	3,276.70	68.87	-135.27	1,781,411.87	1,360,092.74	121.59	7.33
3,319.00	23.30	355.90	3,306.37	80.84	-136.03	1,781,423.83	1,360,091.98	132.65	8.21
3,351.00	26.30	354.50	3,335.42	94.21	-137.16	1,781,437.20	1,360,090.85	145.15	9.55
3,383.00	29.70	354.40	3,363.67	109.16	-138.61	1,781,452.15	1,360,089.40	159.20	10.63
3,414.00	33.10	354.80	3,390.12	125.24	-140.13	1,781,468.23	1,360,087.88	174.29	10.99
3,446.00	36.70	355.80	3,416.37	143.48	-141.62	1,781,486.47	1,360,086.39	191.31	11.39
3,478.00	39.60	355.80	3,441.53	163.19	-143.07	1,781,506.18	1,360,084.94	209.63	9.06
3,509.00	42.00	355.60	3,464.99	183.39	-144.59	1,781,526.38	1,360,083.42	228.42	7.75
3,541.00	44.20	355.10	3,488.36	205.18	-146.36	1,781,548.17	1,360,081.65	248.75	6.96
3,572.00	46.60	354.90	3,510.12	227.17	-148.29	1,781,570.15	1,360,079.72	269.32	7.76



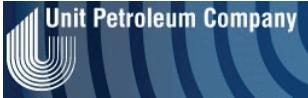
Company:	Unit Petroleum	Local Co-ordinate Reference:	Well M&M Farms 17 #2H
Project:	Reno County, Kansas [NAD 83]	TVD Reference:	14' KB @ 1698.00usft (UDI 331)
Site:	Section 20 T24S-R9W	MD Reference:	14' KB @ 1698.00usft (UDI 331)
Well:	M&M Farms 17 #2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM ON IWSERVER

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	V. Sec (usft)	DLeg (°/100usft)	
3,604.00	48.80	354.20	3,531.66	250.73	-150.54	1,781,593.71	1,360,077.47	291.45	7.06	
3,636.00	50.50	353.00	3,552.37	274.96	-153.26	1,781,617.94	1,360,074.75	314.39	6.03	
3,668.00	52.00	351.70	3,572.40	299.69	-156.58	1,781,642.67	1,360,071.43	338.04	5.66	
3,700.00	53.60	350.60	3,591.75	324.88	-160.51	1,781,667.85	1,360,067.50	362.36	5.70	
3,732.00	54.90	350.40	3,610.45	350.49	-164.79	1,781,693.47	1,360,063.22	387.23	4.09	
3,764.00	55.20	350.40	3,628.78	376.35	-169.17	1,781,719.33	1,360,058.84	412.36	0.94	
3,796.00	55.40	350.50	3,647.00	402.29	-173.53	1,781,745.27	1,360,054.48	437.56	0.68	
3,828.00	55.40	349.70	3,665.17	428.24	-178.06	1,781,771.22	1,360,049.95	462.84	2.06	
3,859.00	55.70	349.70	3,682.70	453.39	-182.63	1,781,796.36	1,360,045.38	487.42	0.97	
3,890.00	57.20	348.30	3,699.84	478.75	-187.57	1,781,821.72	1,360,040.45	512.34	6.13	
3,922.00	59.70	347.40	3,716.58	505.41	-193.31	1,781,848.38	1,360,034.71	538.79	8.17	
3,954.00	62.80	346.10	3,731.97	532.71	-199.74	1,781,875.68	1,360,028.27	566.12	10.32	
3,985.00	65.40	345.20	3,745.51	559.72	-206.65	1,781,902.69	1,360,021.36	593.41	8.78	
4,017.00	67.60	343.10	3,758.27	587.95	-214.67	1,781,930.91	1,360,013.34	622.27	9.14	
4,048.00	70.70	341.90	3,769.30	615.57	-223.39	1,781,958.53	1,360,004.63	650.90	10.63	
4,080.00	74.10	341.30	3,778.98	644.51	-233.01	1,781,987.47	1,359,995.00	681.11	10.77	
4,112.00	77.40	340.20	3,786.85	673.79	-243.24	1,782,016.74	1,359,984.78	711.89	10.84	
4,144.00	80.10	339.60	3,793.09	703.26	-254.02	1,782,046.21	1,359,973.99	743.09	8.64	
4,177.00	83.90	339.50	3,797.69	733.87	-265.44	1,782,076.82	1,359,962.58	775.60	11.52	
4,234.00	86.75	338.04	3,802.33	786.82	-286.01	1,782,129.77	1,359,942.01	832.19	5.61	
7" Casing Point										
4,246.28	87.36	337.73	3,802.96	798.18	-290.63	1,782,141.13	1,359,937.39	844.42	5.61	
M&M Farms 17 2H POP										
4,279.00	89.00	336.90	3,804.00	828.35	-303.24	1,782,171.30	1,359,924.78	877.06	5.61	
4,343.00	89.70	337.40	3,804.73	887.33	-328.09	1,782,230.27	1,359,899.93	940.94	1.34	
4,405.00	88.80	337.50	3,805.54	944.58	-351.86	1,782,287.52	1,359,876.16	1,002.81	1.46	
4,468.00	87.60	337.80	3,807.52	1,002.82	-375.81	1,782,345.75	1,359,852.22	1,065.63	1.96	



Company:	Unit Petroleum	Local Co-ordinate Reference:	Well M&M Farms 17 #2H
Project:	Reno County, Kansas [NAD 83]	TVD Reference:	14' KB @ 1698.00usft (UDI 331)
Site:	Section 20 T24S-R9W	MD Reference:	14' KB @ 1698.00usft (UDI 331)
Well:	M&M Farms 17 #2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM ON IWSERVER

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	V. Sec (usft)	DLeg (°/100usft)	
4,529.00	87.30	337.30	3,810.23	1,059.14	-399.08	1,782,402.07	1,359,828.95	1,126.43	0.96	
4,592.00	88.40	337.80	3,812.59	1,117.32	-423.12	1,782,460.25	1,359,804.91	1,189.25	1.92	
4,655.00	88.30	337.60	3,814.41	1,175.59	-447.01	1,782,518.51	1,359,781.01	1,252.08	0.35	
4,716.00	88.80	337.60	3,815.95	1,231.97	-470.25	1,782,574.89	1,359,757.78	1,312.92	0.82	
4,778.00	89.20	337.00	3,817.03	1,289.15	-494.17	1,782,632.07	1,359,733.86	1,374.79	1.16	
4,840.00	93.00	336.70	3,815.84	1,346.14	-518.54	1,782,689.06	1,359,709.49	1,436.68	6.15	
4,903.00	93.80	337.80	3,812.11	1,404.14	-542.86	1,782,747.05	1,359,685.17	1,499.45	2.16	
4,965.00	93.50	336.30	3,808.16	1,461.11	-566.99	1,782,804.02	1,359,661.05	1,561.22	2.46	
5,026.00	93.20	335.80	3,804.60	1,516.76	-591.71	1,782,859.67	1,359,636.33	1,622.06	0.95	
5,088.00	91.30	335.70	3,802.16	1,573.25	-617.15	1,782,916.15	1,359,610.89	1,683.98	3.07	
5,149.00	90.20	336.60	3,801.36	1,629.03	-641.81	1,782,971.93	1,359,586.23	1,744.92	2.33	
5,211.00	88.30	336.50	3,802.18	1,685.90	-666.48	1,783,028.80	1,359,561.56	1,806.83	3.07	
5,273.00	86.80	336.80	3,804.83	1,742.77	-691.03	1,783,085.66	1,359,537.01	1,868.70	2.47	
5,335.00	85.50	337.30	3,808.99	1,799.73	-715.15	1,783,142.62	1,359,512.89	1,930.45	2.25	
5,395.00	85.60	337.10	3,813.64	1,854.88	-738.33	1,783,197.76	1,359,489.71	1,990.16	0.37	
5,457.00	85.80	337.90	3,818.29	1,912.00	-761.99	1,783,254.88	1,359,466.06	2,051.86	1.33	
5,517.00	85.80	337.90	3,822.69	1,967.44	-784.50	1,783,310.31	1,359,443.55	2,111.54	0.00	
5,579.00	89.30	337.70	3,825.34	2,024.78	-807.91	1,783,367.65	1,359,420.15	2,173.32	5.65	
5,640.00	93.40	337.40	3,823.90	2,081.13	-831.19	1,783,424.00	1,359,396.86	2,234.16	6.74	
5,702.00	93.70	337.80	3,820.06	2,138.34	-854.77	1,783,481.21	1,359,373.28	2,295.90	0.81	
5,763.00	92.70	337.90	3,816.66	2,194.75	-877.73	1,783,537.61	1,359,350.32	2,356.65	1.65	
5,825.00	92.00	338.10	3,814.11	2,252.19	-900.94	1,783,595.05	1,359,327.12	2,418.42	1.17	
5,886.00	91.10	337.90	3,812.46	2,308.73	-923.78	1,783,651.58	1,359,304.28	2,479.23	1.51	
5,947.00	90.60	338.00	3,811.56	2,365.26	-946.68	1,783,708.11	1,359,281.38	2,540.06	0.84	
6,009.00	89.60	337.70	3,811.45	2,422.68	-970.05	1,783,765.53	1,359,258.01	2,601.90	1.68	
6,071.00	90.50	336.90	3,811.40	2,479.88	-993.98	1,783,822.72	1,359,234.08	2,663.79	1.94	
6,132.00	90.90	336.80	3,810.65	2,535.96	-1,017.96	1,783,878.80	1,359,210.11	2,724.69	0.68	



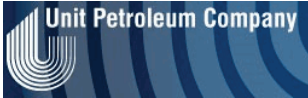
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6,193.00	91.70	337.20	3,809.27	2,592.10	-1,041.79	1,783,934.93	1,359,186.28	2,785.58	1.47	
6,255.00	91.50	337.20	3,807.54	2,649.23	-1,065.80	1,783,992.06	1,359,162.26	2,847.44	0.32	
6,316.00	91.70	337.30	3,805.83	2,705.46	-1,089.38	1,784,048.29	1,359,138.68	2,908.30	0.37	
6,378.00	92.20	336.80	3,803.72	2,762.52	-1,113.55	1,784,105.35	1,359,114.52	2,970.17	1.14	
6,440.00	92.40	336.80	3,801.23	2,819.46	-1,137.95	1,784,162.28	1,359,090.12	3,032.03	0.32	
6,497.73	92.49	336.99	3,798.77	2,872.51	-1,160.59	1,784,215.33	1,359,067.49	3,089.62	0.36	
6500' MD TGT										
6,502.00	92.50	337.00	3,798.58	2,876.44	-1,162.25	1,784,219.26	1,359,065.82	3,093.88	0.36	
6,565.00	93.00	337.30	3,795.56	2,934.43	-1,186.69	1,784,277.24	1,359,041.39	3,156.70	0.93	
6,626.00	92.70	336.80	3,792.53	2,990.53	-1,210.45	1,784,333.34	1,359,017.63	3,217.52	0.96	
6,690.00	91.70	335.70	3,790.07	3,049.07	-1,236.20	1,784,391.87	1,358,991.88	3,281.41	2.32	
6,752.00	90.90	334.90	3,788.67	3,105.38	-1,262.10	1,784,448.18	1,358,965.98	3,343.37	1.82	
6,816.00	90.60	334.30	3,787.83	3,163.19	-1,289.55	1,784,505.98	1,358,938.53	3,407.36	1.05	
6,879.00	90.00	334.50	3,787.50	3,220.00	-1,316.77	1,784,562.79	1,358,911.31	3,470.35	1.00	
6,942.00	90.20	334.10	3,787.39	3,276.77	-1,344.09	1,784,619.56	1,358,883.99	3,533.35	0.71	
7,006.00	90.60	333.90	3,786.94	3,334.29	-1,372.15	1,784,677.08	1,358,855.94	3,597.35	0.70	
7,069.00	90.20	333.90	3,786.50	3,390.86	-1,399.86	1,784,733.65	1,358,828.23	3,660.34	0.63	
7,131.00	91.00	334.10	3,785.85	3,446.58	-1,427.04	1,784,789.36	1,358,801.05	3,722.34	1.33	
7,194.00	90.60	333.40	3,784.97	3,503.08	-1,454.90	1,784,845.86	1,358,773.19	3,785.33	1.28	
7,257.00	89.70	333.50	3,784.81	3,559.44	-1,483.06	1,784,902.21	1,358,745.03	3,848.33	1.44	
7,320.00	90.00	333.50	3,784.97	3,615.82	-1,511.17	1,784,958.59	1,358,716.92	3,911.33	0.48	
7,384.00	90.70	333.70	3,784.58	3,673.14	-1,539.63	1,785,015.91	1,358,688.47	3,975.33	1.14	
7,448.00	89.00	333.10	3,784.75	3,730.37	-1,568.28	1,785,073.13	1,358,659.82	4,039.32	2.82	
7,500.71	89.25	332.77	3,785.55	3,777.30	-1,592.27	1,785,120.06	1,358,635.83	4,092.03	0.79	
7500' MD TGT										
7,511.00	89.30	332.70	3,785.68	3,786.44	-1,596.98	1,785,129.20	1,358,631.12	4,102.31	0.79	
7,575.00	89.00	332.50	3,786.63	3,843.26	-1,626.43	1,785,186.01	1,358,601.68	4,166.29	0.56	



Company:	Unit Petroleum	Local Co-ordinate Reference:	Well M&M Farms 17 #2H
Project:	Reno County, Kansas [NAD 83]	TVD Reference:	14' KB @ 1698.00usft (UDI 331)
Site:	Section 20 T24S-R9W	MD Reference:	14' KB @ 1698.00usft (UDI 331)
Well:	M&M Farms 17 #2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM ON IWSERVER

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	V. Sec (usft)	DLeg (°/100usft)	
7,638.00	88.80	332.50	3,787.84	3,899.13	-1,655.51	1,785,241.88	1,358,572.59	4,229.26	0.32	
7,702.00	89.60	332.40	3,788.74	3,955.86	-1,685.11	1,785,298.61	1,358,543.00	4,293.24	1.26	
7,763.00	88.20	332.40	3,789.91	4,009.91	-1,713.37	1,785,352.66	1,358,514.74	4,354.21	2.30	
7,824.00	88.70	332.10	3,791.56	4,063.88	-1,741.76	1,785,406.62	1,358,486.35	4,415.17	0.96	
7,887.00	89.30	331.80	3,792.66	4,119.47	-1,771.38	1,785,462.20	1,358,456.73	4,478.13	1.06	
7,949.00	89.80	331.20	3,793.14	4,173.95	-1,800.96	1,785,516.68	1,358,427.15	4,540.08	1.26	
8,012.00	90.50	331.30	3,792.98	4,229.18	-1,831.26	1,785,571.91	1,358,396.85	4,603.01	1.12	
8,075.00	89.40	332.00	3,793.03	4,284.63	-1,861.18	1,785,627.35	1,358,366.94	4,665.97	2.07	
8,139.00	89.10	330.80	3,793.87	4,340.81	-1,891.81	1,785,683.54	1,358,336.31	4,729.91	1.93	
8,202.00	89.80	330.30	3,794.48	4,395.67	-1,922.79	1,785,738.39	1,358,305.34	4,792.81	1.37	
8,265.00	89.40	329.20	3,794.92	4,450.09	-1,954.52	1,785,792.80	1,358,273.60	4,855.65	1.86	
8,327.00	90.30	328.90	3,795.08	4,503.26	-1,986.41	1,785,845.97	1,358,241.72	4,917.44	1.53	
8,390.00	89.50	328.30	3,795.19	4,557.03	-2,019.23	1,785,899.74	1,358,208.90	4,980.18	1.59	
8,454.00	90.10	328.30	3,795.41	4,611.48	-2,052.86	1,785,954.19	1,358,175.27	5,043.89	0.94	
8,513.39	88.89	327.28	3,795.93	4,661.73	-2,084.52	1,786,004.44	1,358,143.62	5,102.96	2.66	
8500' MD TGT										
8,518.00	88.80	327.20	3,796.03	4,665.61	-2,087.01	1,786,008.31	1,358,141.12	5,107.54	2.66	
8,580.00	89.80	326.70	3,796.78	4,717.57	-2,120.82	1,786,060.27	1,358,107.32	5,169.09	1.80	
8,643.00	89.60	327.50	3,797.11	4,770.46	-2,155.04	1,786,113.16	1,358,073.10	5,231.67	1.31	
8,706.00	90.60	327.30	3,797.00	4,823.54	-2,188.98	1,786,166.23	1,358,039.16	5,294.28	1.62	
8,769.00	91.30	326.70	3,795.96	4,876.37	-2,223.29	1,786,219.05	1,358,004.85	5,356.83	1.46	
8,833.00	91.50	325.80	3,794.40	4,929.56	-2,258.83	1,786,272.25	1,357,969.31	5,420.27	1.44	
8,897.00	91.80	326.10	3,792.55	4,982.57	-2,294.65	1,786,325.25	1,357,933.49	5,483.65	0.66	
8,960.00	92.30	326.10	3,790.30	5,034.83	-2,329.77	1,786,377.50	1,357,898.38	5,546.04	0.79	
9,023.00	93.40	325.40	3,787.17	5,086.84	-2,365.18	1,786,429.51	1,357,862.97	5,608.35	2.07	
9,086.00	93.70	325.10	3,783.27	5,138.50	-2,401.02	1,786,481.17	1,357,827.13	5,670.54	0.67	
9,149.00	94.60	324.80	3,778.71	5,189.94	-2,437.11	1,786,532.61	1,357,791.05	5,732.63	1.51	



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Project:	Reno County, Kansas [NAD 83]	TVD Reference:	14' KB @ 1698.00usft (UDI 331)
Site:	Section 20 T24S-R9W	MD Reference:	14' KB @ 1698.00usft (UDI 331)
Well:	M&M Farms 17 #2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM ON IWSERVER

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	V. Sec (usft)	DLeg (°/100usft)	
9,211.00	96.30	324.30	3,772.82	5,240.22	-2,472.90	1,786,582.88	1,357,755.26	5,793.55	2.86	
Last MWD Survey										
9,245.15	96.30	324.30	3,769.07	5,267.78	-2,492.71	1,786,610.44	1,357,735.45	5,827.03	0.00	
M&M Farms 17 2H PBHL (11.14) - M&M Farms 17 2H PBHL (11.10) - M&M Farms 17 2H PBHL										
9,265.00	96.30	324.30	3,766.89	5,283.80	-2,504.22	1,786,626.47	1,357,723.94	5,846.50	0.00	
Projection to TD										

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
4,234.00	3,802.33	786.82	-286.01	7" Casing Point	
9,211.00	3,772.82	5,240.22	-2,472.90	Last MWD Survey	
9,265.00	3,766.89	5,283.80	-2,504.22	Projection to TD	

Checked By: _____ Approved By: _____ Date: _____