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EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Streetcar 15 Fed

#605H

OH

Design: OH

Midland PVA

31 July, 2018





Midland PVA



Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #605H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3391.0usft
Site:	Streetcar 15 Fed	MD Reference:	KB = 25' @ 3391.0usft
Well:	#605H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Project	Lea County, NM (NAD 83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Streetcar 15 Fed		
Site Position:		Northing:	409,714.00 usft
From:	Map	Easting:	782,680.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 7' 26.337 N
		Longitude:	103° 33' 13.460 W
		Grid Convergence:	0.41 °

Well		#605H				
Well Position	+N-S	0.0 usft	Northing:	409,692.00 usft	Latitude:	32° 7' 26.351 N
	+E-W	0.0 usft	Easting:	779,422.00 usft	Longitude:	103° 33' 51.345 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,366.0 usft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	9/29/2017	6.91	59.97	47,850,58782394

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)	
	0.0	0.0	0.0	359.73	



Midland PVA



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Well:	#605H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey Program	Date	7/31/2018			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
203.0	1,085.0	Cartel 41 MWD 8'kb + 17' (OH)	MWD	OWSG MWD - Standard	
1,249.0	17,144.0	Digidrill MWD (OH)	MWD	OWSG MWD - Standard	

MD (usft)	Inc (")	Azi (azimuth) (")	TVD (usft)	NS (usft)	EW (usft)	DLeg ("/100usft)	Build ("/100usft)	Turn ("/100usft)	High to Plan (usft)	Right to Plan (usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0
203.0	0.01	9.93	203.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0
325.0	0.42	311.66	325.0	0.3	-0.3	0.34	0.34	-47.76	0.0	0.0
452.0	0.40	348.84	452.0	1.1	-0.8	0.21	-0.02	29.28	0.0	0.0
578.0	0.68	8.53	578.0	2.2	-0.7	0.26	0.22	15.63	0.0	0.0
704.0	0.94	16.70	704.0	4.0	-0.3	0.23	0.21	6.48	0.0	0.0
831.0	0.75	352.09	831.0	5.8	-0.1	0.32	-0.15	-19.38	0.0	0.0
959.0	0.29	38.67	959.0	6.9	-0.1	0.46	-0.36	36.39	0.0	0.0
1,085.0	0.18	297.51	1,085.0	7.2	0.0	0.29	-0.09	-80.29	0.0	0.0
1,249.0	0.44	249.34	1,249.0	7.1	-0.9	0.21	0.16	-29.37	0.0	0.0
1,435.0	0.66	244.51	1,434.9	6.4	-2.5	0.12	0.12	-2.60	0.0	0.0
1,620.0	2.24	261.12	1,619.9	5.4	-7.0	0.87	0.85	8.98	0.0	0.0
1,808.0	2.68	255.49	1,807.7	3.7	-14.9	0.27	0.23	-2.99	0.0	0.0
1,995.0	2.81	263.23	1,994.5	2.1	-23.7	0.21	0.07	4.14	0.0	0.0
2,182.0	2.68	246.18	2,181.3	-0.2	-32.2	0.44	-0.07	-9.12	0.0	0.0
2,369.0	2.51	244.07	2,368.1	-3.8	-39.9	0.10	-0.09	-1.13	0.0	0.0
2,555.0	0.53	209.62	2,554.0	-6.3	-44.0	1.13	-1.06	-18.52	0.0	0.0
2,743.0	1.71	212.87	2,742.0	-9.4	-46.0	0.63	0.63	1.73	0.0	0.0
2,930.0	0.70	129.72	2,928.9	-12.5	-46.6	0.95	-0.54	-44.47	0.0	0.0
3,118.0	1.10	98.70	3,116.9	-13.5	-43.9	0.33	0.21	-16.50	0.0	0.0
3,305.0	1.98	86.66	3,303.9	-13.6	-38.9	0.50	0.47	-6.44	0.0	0.0



Midland PVA



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Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3391.0usft
Site:	Streetcar 15 Fed	MD Reference:	KB = 25' @ 3391.0usft
Well:	#605H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
3,493.0	2.15	85.95	3,491.7	-13.2	-32.2	0.09	0.09	-0.38	0.0	0.0	
3,680.0	1.41	88.59	3,678.6	-12.8	-26.4	0.40	-0.40	1.41	0.0	0.0	
3,867.0	1.27	81.82	3,865.6	-12.5	-22.0	0.11	-0.07	-3.62	0.0	0.0	
4,055.0	0.97	94.74	4,053.6	-12.3	-18.4	0.21	-0.16	6.87	0.0	0.0	
4,242.0	1.27	116.19	4,240.5	-13.4	-14.9	0.27	0.16	11.47	0.0	0.0	
4,429.0	2.42	127.70	4,427.4	-16.7	-10.0	0.64	0.61	6.16	0.0	0.0	
4,616.0	4.31	125.59	4,614.1	-23.2	-1.1	1.01	1.01	-1.13	0.0	0.0	
4,804.0	5.54	123.31	4,801.4	-32.3	12.2	0.66	0.65	-1.21	0.0	0.0	
4,843.0	4.97	120.49	4,840.2	-34.2	15.2	1.60	-1.46	-7.23	0.0	0.0	
4,963.0	4.09	118.47	4,959.9	-38.9	23.5	0.75	-0.73	-1.68	0.0	0.0	
5,062.0	4.57	137.90	5,058.6	-43.5	29.2	1.55	0.48	19.63	0.0	0.0	
5,155.0	4.88	142.38	5,151.3	-49.4	34.1	0.52	0.33	4.82	0.0	0.0	
5,344.0	6.11	172.61	5,339.4	-65.7	40.3	1.64	0.65	15.99	0.0	0.0	
5,528.0	6.73	174.11	5,522.3	-86.1	42.7	0.35	0.34	0.82	0.0	0.0	
5,715.0	5.85	173.76	5,708.1	-106.5	44.9	0.47	-0.47	-0.19	0.0	0.0	
5,902.0	4.04	202.50	5,894.5	-122.1	43.4	1.61	-0.97	15.37	0.0	0.0	
6,087.0	4.13	198.01	6,079.0	-134.4	38.8	0.18	0.05	-2.43	0.0	0.0	
6,274.0	3.91	197.22	6,265.5	-146.9	34.9	0.12	-0.12	-0.42	0.0	0.0	
6,461.0	3.78	196.43	6,452.1	-158.9	31.2	0.08	-0.07	-0.42	0.0	0.0	
6,649.0	3.34	199.51	6,639.8	-170.0	27.6	0.26	-0.23	1.64	0.0	0.0	
6,836.0	2.02	216.82	6,826.5	-177.8	23.8	0.82	-0.71	9.26	0.0	0.0	
7,023.0	0.88	126.47	7,013.5	-181.3	23.0	1.18	-0.61	-48.32	0.0	0.0	
7,211.0	1.05	163.65	7,201.5	-183.8	24.7	0.34	0.09	19.78	0.0	0.0	
7,400.0	0.57	326.95	7,390.5	-184.7	24.6	0.85	-0.25	86.40	0.0	0.0	
7,493.0	0.35	328.44	7,483.5	-184.1	24.2	0.24	-0.24	1.60	0.0	0.0	
7,679.0	0.26	294.34	7,669.5	-183.4	23.6	0.11	-0.05	-18.33	0.0	0.0	
7,866.0	0.35	229.65	7,856.5	-183.6	22.7	0.18	0.05	-34.59	0.0	0.0	



Midland PVA



Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #605H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3391.0usft
Site:	Streetcar 15 Fed	MD Reference:	KB = 25' @ 3391.0usft
Well:	#605H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	BuId (°/100usft)	Turn (°/100usft)	Hgh to Plan (usft)	Right to Plan (usft)	
8,053.0	0.40	227.11	8,043.5	-184.4	21.8	0.03	0.03	-1.36	0.0	0.0	
8,239.0	0.97	166.64	8,229.4	-186.4	21.7	0.46	0.31	-32.51	0.0	0.0	
8,426.0	1.89	255.14	8,416.4	-188.7	19.1	1.12	0.49	47.33	0.0	0.0	
8,613.0	0.40	345.32	8,603.4	-188.9	16.0	1.03	-0.80	48.22	0.0	0.0	
8,799.0	0.48	211.90	8,789.4	-188.9	15.4	0.43	0.04	-71.73	0.0	0.0	
8,987.0	0.75	213.57	8,977.4	-190.6	14.3	0.14	0.14	0.89	0.0	0.0	
9,174.0	0.79	234.75	9,164.3	-192.4	12.6	0.15	0.02	11.33	0.0	0.0	
9,362.0	1.10	214.19	9,352.3	-194.6	10.5	0.24	0.16	-10.94	0.0	0.0	
9,552.0	0.88	242.40	9,542.3	-196.8	8.2	0.28	-0.12	14.85	0.0	0.0	
9,739.0	2.07	345.14	9,729.2	-194.2	6.0	1.29	0.64	54.94	0.0	0.0	
9,928.0	2.81	25.13	9,918.1	-186.7	7.1	0.96	0.39	21.16	0.0	0.0	
10,112.0	0.31	217.61	10,102.0	-183.0	8.7	1.69	-1.36	-91.04	0.0	0.0	
10,300.0	0.88	62.49	10,290.0	-182.7	9.7	0.62	0.30	-82.51	0.0	0.0	
10,488.0	0.92	266.83	10,478.0	-182.2	9.5	0.94	0.02	-82.80	0.0	0.0	
10,674.0	1.58	120.14	10,664.0	-183.5	10.2	1.29	0.35	-78.87	0.0	0.0	
10,861.0	1.71	164.62	10,850.9	-187.5	13.2	0.67	0.07	23.79	0.0	0.0	
11,048.0	1.67	165.14	11,037.8	-192.8	14.6	0.02	-0.02	0.28	0.0	0.0	
11,236.0	0.97	148.00	11,225.8	-196.8	16.1	0.42	-0.37	-9.12	0.0	0.0	
11,423.0	1.41	222.97	11,412.7	-199.9	15.4	0.80	0.24	40.09	0.0	0.0	
11,570.0	2.99	248.29	11,559.6	-202.6	10.6	1.24	1.07	17.22	0.0	0.0	
11,656.0	3.43	254.88	11,645.5	-204.1	6.1	0.67	0.51	7.66	0.0	0.0	
11,704.0	3.12	229.83	11,693.4	-205.3	3.7	3.02	-0.65	-52.19	0.0	0.0	
11,720.0	2.69	252.17	11,709.4	-205.7	3.0	7.51	-2.70	139.63	0.0	0.0	
KOP 11720.0 MD: 11709.4 TVD: -205.7; 3.0; 2.69											
11,750.0	3.21	296.01	11,739.4	-205.6	1.6	7.51	1.74	146.13	0.0	0.0	
11,797.0	7.08	16.34	11,786.2	-202.2	1.2	15.45	8.23	170.91	0.0	0.0	
11,843.0	11.08	6.06	11,831.6	-195.1	2.5	9.35	8.70	-22.35	0.0	0.0	



Midland PVA



Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #805H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3391.0usft
Site:	Streetcar 15 Fed	MD Reference:	KB = 25' @ 3391.0usft
Well:	#605H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (usft)	inc (")	Azi (azimuth) (")	TVD (usft)	N/S (usft)	E/W (usft)	DLeg ("/100usft)	Build ("/100usft)	Turn ("/100usft)	High to Plan (usft)	Right to Plan (usft)
11,890.0	19.43	7.38	11,876.9	-182.8	3.9	17.78	17.77	2.81	0.0	0.0
11,937.0	28.09	7.38	11,919.9	-164.1	6.4	18.43	18.43	0.00	0.0	0.0
11,969.5	31.96	3.75	11,948.0	-147.9	7.9	13.14	11.90	-11.18	0.0	0.0
FTP Crossing 11989.5' MD; 11948.0' TVD; -147.9' 7.9' 31.96										
11,984.0	33.71	2.37	11,960.2	-140.0	8.3	13.14	12.09	-9.49	0.0	0.0
12,030.0	38.68	359.38	11,997.3	-112.9	8.7	11.46	10.80	-6.50	0.0	0.0
12,077.0	43.65	357.01	12,032.7	-82.0	7.7	11.08	10.57	-5.04	0.0	0.0
12,124.0	45.45	356.04	12,066.2	-49.1	5.7	4.09	3.83	-2.06	0.0	0.0
12,171.0	50.77	356.66	12,097.6	-14.2	3.5	11.36	11.32	1.32	0.0	0.0
12,219.0	56.35	356.04	12,126.1	24.4	1.0	11.67	11.62	-1.29	0.0	0.0
12,266.0	59.16	357.10	12,151.2	64.0	-1.4	6.28	5.98	2.26	0.0	0.0
12,313.0	66.15	357.01	12,172.7	105.7	-3.5	14.87	14.87	-0.19	0.0	0.0
12,360.0	69.14	357.97	12,190.6	149.1	-5.4	6.64	6.36	2.04	0.0	0.0
12,407.0	72.53	0.26	12,206.0	193.5	-6.1	8.56	7.21	4.87	0.0	0.0
12,454.0	76.92	2.63	12,218.4	238.8	-4.9	10.53	9.34	5.04	0.0	0.0
12,501.0	79.96	2.11	12,227.8	284.8	-3.0	6.56	6.47	-1.11	0.0	0.0
12,548.0	82.55	1.23	12,235.0	331.2	-1.7	5.81	5.51	-1.87	0.0	0.0
12,595.0	82.02	0.17	12,241.3	377.8	-1.1	2.50	-1.13	-2.26	0.0	0.0
12,642.0	83.08	359.91	12,247.4	424.4	-1.1	2.32	2.26	-0.55	0.0	0.0
12,688.0	88.92	1.40	12,250.6	470.3	-0.5	13.10	12.70	3.24	0.0	0.0
12,735.0	90.42	359.38	12,250.9	517.3	-0.2	5.35	3.19	-4.30	0.0	0.0
12,781.0	90.33	358.85	12,250.6	563.3	-0.9	1.17	-0.20	-1.15	0.0	0.0
12,828.0	90.15	1.84	12,250.4	610.3	-0.7	6.37	-0.38	6.36	0.0	0.0
12,876.0	90.15	1.14	12,250.2	658.2	0.6	1.46	0.00	-1.46	0.0	0.0
12,970.0	90.33	1.23	12,249.8	752.2	2.5	0.21	0.19	0.10	-1.5	1.0
13,063.0	89.19	7.47	12,250.2	844.9	9.6	6.82	-1.23	6.71	-2.1	-5.2
13,157.0	87.52	7.38	12,252.9	938.1	21.7	1.78	-1.78	-0.10	-0.1	-18.0



Midland PVA



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Site:	Streetcar 15 Fed	MD Reference:	KB = 25' @ 3391.0usft
Well:	#605H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (usft)	Inc (")	Azi (azimuth) (")	TVD (usft)	N/S (usft)	E/W (usft)	DLeg ("/100usft)	Buile ("/100usft)	Turn ("/100usft)	High to Plan (usft)	Right to Plan (usft)	
13,251.0	89.23	7.91	12,255.6	1,031.2	34.2	1.90	1.82	0.56	2.0	-31.2	
13,344.0	89.71	3.95	12,256.5	1,123.7	43.8	4.29	0.52	-4.26	2.3	-41.4	
13,438.0	88.66	0.79	12,257.8	1,217.6	47.7	3.54	-1.12	-3.36	3.0	-45.9	
13,531.0	90.99	359.29	12,258.1	1,310.6	47.8	2.98	2.51	-1.61	2.7	-46.6	
13,625.0	88.80	0.00	12,257.4	1,404.6	47.2	1.47	-1.27	0.76	1.4	-46.7	
13,719.0	94.46	0.00	12,253.9	1,498.5	47.2	4.96	4.96	0.00	-1.1	-47.4	
13,813.0	88.92	358.41	12,251.2	1,592.4	45.9	6.13	-5.89	-1.69	-2.2	-46.8	
13,907.0	91.21	355.87	12,251.1	1,686.2	41.2	3.64	2.44	-2.70	-0.7	-42.8	
14,001.0	94.33	356.22	12,246.5	1,779.9	34.7	3.34	3.32	0.37	-3.6	-37.0	
14,094.0	94.77	358.41	12,239.1	1,872.5	30.4	2.39	0.47	2.35	-9.2	-33.3	
14,188.0	88.79	359.73	12,236.2	1,966.4	28.9	6.51	-6.36	1.40	-11.4	-32.5	
14,282.0	86.07	358.68	12,240.4	2,060.3	27.6	3.10	-2.89	-1.12	-9.5	-31.8	
14,376.0	89.98	358.77	12,243.7	2,154.2	25.5	4.16	4.16	0.10	-9.6	-30.4	
14,470.0	90.99	358.24	12,242.9	2,248.1	23.0	1.21	1.07	-0.56	-13.7	-28.6	
14,564.0	85.58	356.22	12,245.7	2,342.0	18.5	6.14	-5.76	-2.15	-14.0	-24.8	
14,658.0	87.25	357.18	12,251.6	2,435.6	13.1	2.05	1.78	1.02	-11.4	-20.0	
14,752.0	87.38	357.01	12,256.0	2,529.4	8.3	0.23	0.14	-0.18	-8.7	-15.9	
14,846.0	88.66	0.26	12,259.2	2,623.3	6.1	3.71	1.36	3.46	-7.0	-14.3	
14,940.0	88.00	1.14	12,262.0	2,717.2	7.2	1.17	-0.70	0.94	-5.7	-16.1	
15,034.0	88.61	356.13	12,264.7	2,811.1	5.0	5.37	0.65	-5.33	-4.4	-14.5	
15,128.0	93.58	357.71	12,262.9	2,905.0	0.0	5.55	5.29	1.68	-7.7	-10.1	
15,221.0	89.98	356.57	12,260.1	2,997.8	-4.7	4.06	-3.87	-1.23	-12.0	-6.1	
15,316.0	91.34	358.24	12,259.0	3,092.7	-9.0	2.27	1.43	1.76	-14.6	-2.4	
15,409.0	94.24	1.75	12,254.4	3,185.5	-9.0	4.89	3.12	3.77	-20.6	-3.0	
15,502.0	87.16	1.14	12,253.3	3,278.4	-6.7	7.64	-7.61	-0.66	-23.2	-6.0	
15,596.0	87.69	0.61	12,257.5	3,372.3	-5.2	0.80	0.56	-0.56	-20.4	-8.1	
15,689.0	84.79	359.56	12,263.6	3,465.1	-5.1	3.32	-3.12	-1.13	-15.8	-8.9	



Midland PVA



Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #605H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3391.0usft
Site:	Streetcar 15 Fed	MD Reference:	KB = 25' @ 3391.0usft
Well:	#605H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
15,783.0	85.71	358.33	12,271.4	3,558.8	-6.8	1.63	0.98	-1.31	-9.5	-7.8
15,875.0	88.44	358.85	12,276.1	3,650.6	-9.1	3.02	2.97	0.57	-6.2	-6.1
15,969.0	87.21	357.71	12,279.7	3,744.5	-11.9	1.78	-1.31	-1.21	-4.1	-4.0
16,062.0	90.24	357.18	12,281.7	3,837.4	-16.0	3.31	3.26	-0.57	-3.5	-0.4
16,157.0	89.32	358.15	12,282.1	3,932.3	-19.9	1.41	-0.97	1.02	-4.6	2.8
16,250.0	88.92	0.44	12,283.5	4,025.3	-21.0	2.50	-0.43	2.46	-4.7	3.3
16,344.0	90.24	0.61	12,284.2	4,119.3	-20.2	1.42	1.40	0.18	-5.5	1.8
16,437.0	88.79	1.58	12,285.0	4,212.2	-18.4	1.88	-1.56	1.04	-6.1	-0.6
16,570.0	89.14	1.49	12,287.4	4,345.1	-14.8	0.27	0.26	-0.07	-5.8	-5.1
16,664.0	90.73	0.44	12,287.5	4,439.1	-13.3	2.03	1.69	-1.12	-7.2	-7.3
16,758.0	89.76	1.40	12,287.1	4,533.1	-11.7	1.45	-1.03	1.02	-9.1	-9.4
16,852.0	90.73	1.58	12,286.7	4,627.1	-9.3	1.05	1.03	0.19	-10.9	-12.5
16,946.0	90.73	2.72	12,285.5	4,721.0	-5.8	1.21	0.00	1.21	-13.6	-16.7
Last MWD Survey (MD = 16946.0)										
17,144.0	90.73	2.72	12,283.0	4,918.8	3.6	0.00	0.00	0.00	-19.3	-27.4
Projection to Bit (MD = 17144.0)										

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/S (usft)	+E/W (usft)	
11,720.0	11,709.4	-205.7	3.0	KOP 11720.0' MD; 11709.4' TVD; -205.7'; 3.0'; 2.69
11,969.5	11,948.0	-147.9	7.9	FTP Crossing 11969.5' MD; 11948.0' TVD; -147.9'; 7.9'; 31.96
16,946.0	12,285.5	4,721.0	-5.8	Last MWD Survey (MD = 16946.0)
17,144.0	12,283.0	4,918.8	3.6	Projection to Bit (MD = 17144.0)

Checked By: _____ Approved By: _____ Date: _____



Lea County, NM (NAD 83 NME)

Streetcar 15 Fed #605H

Plan #5

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #605H

KB = 25' @ 3391.0uoft
Northing 409692.00 Easting 779422.00 Longitude 103°33' 51.345 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	12876.0	90.15	1.14	12250.2	658.2	0.0	0.00	658.2		
2	12924.0	88.99	2.31	12250.6	708.2	2.0	3.45	135.00	708.2	
3	13063.0	89.62	359.60	12252.3	845.2	4.4	2.00	-76.75	845.1	
4	13617.9	89.62	359.60	12256.0	1400.0	0.5	0.00	1400.0		TGT#1 (Streetcar 15 Fed #605H p5)
5	13689.2	91.04	359.58	12255.6	1471.3	0.0	2.00	-0.93	1471.3	
6	14105.5	91.04	359.58	12248.0	1887.6	-3.0	0.00	0.00	1887.6	
7	14157.8	90.00	359.58	12247.5	1939.8	-3.4	2.00	-179.92	1939.8	
8	14258.0	88.00	359.59	12249.3	2040.0	-4.1	2.00	179.59	2040.0	
9	14632.4	88.00	359.59	12262.4	2414.2	-8.8	0.00	0.00	2414.2	
10	14687.6	89.10	359.61	12263.8	2469.3	-7.2	2.00	0.82	2469.4	
11	17147.6	89.10	359.61	12302.4	4929.0	-23.9	0.00	0.00	4929.0	PBHL (Streetcar 15 Fed #605H P5)

To convert a Magnetic Direction to a Grid Direction, Add 8.50°
To convert a Magnetic Direction to a True Direction, Add 6.91° East
To convert a True Direction to a Grid Direction, Subtract 0.41°



CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
TGT#1 (Streetcar 15 Fed #605H p5)	12350.2	1400.0	0.5	411052.00	779422.53
PBHL (Streetcar 15 Fed #605H P5)	12302.4	4929.0	-23.9	4114620.89	779286.10
Apex (R00H OH AC Plan #6)	12247.5	1939.8	-3.4	411631.83	779416.50
TGT#2 (Streetcar 15 Fed #605H p5)	12253.2	1800.0	-3.2	411482.00	779416.76
TOW	12243.0	1400.0	-4.3	411082.00	779417.73
TOW2	12245.0	1800.0	-5.2	411482.00	779415.84

