



HOBBS OCD
AUG 19 2019
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EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Della 29 Fed

#606H

OH

Design: OH

Midland PVA

19 December, 2018



Midland PVA

Company: EOG Resources - Midland Project: Lea County, NM (NAD 83 NME) Site: Della 29 Fed Well: #806H Wellbore: OH Design: OH		Local Co-ordinate Reference: Well #806H TVD Reference: KB = 25 @ 3734.0usft MD Reference: KB = 25 @ 3734.0usft North Reference: Grid Survey Calculation Method: Minimum Curvature Database: EDM 6000.14													
Project Lea County, NM (NAD 83 NME)															
Map System: US State Plane 1983 Geo Datum: North American Datum 1983 Map Zone: New Mexico Eastern Zone		System Datum: Mean Sea Level													
Site Della 29 Fed															
Site Position: From: Map Position Uncertainty: 0.0 usft		Northing: 560,090.00 usft Easting: 772,759.00 usft Slot Radius: 13-3/16 "													
		Latitude: 32° 32' 15.011 N Longitude: 103° 34' 58.584 W Grid Convergence: 0.40 °													
Well #806H															
Well Position +N-S 0.0 usft +E-W 0.0 usft Position Uncertainty 0.0 usft		Northing: 560,083.00 usft Easting: 771,111.00 usft Wellhead Elevation: usft													
		Latitude: 32° 32' 15.058 N Longitude: 103° 35' 15.815 W Ground Level: 3,709.0 usft													
Wellbore OH															
<table border="1"> <thead> <tr> <th>Magnetics</th> <th>Model Name</th> <th>Sample Date</th> <th>Declination (°)</th> <th>Dip Angle (°)</th> <th>Field Strength (nT)</th> </tr> </thead> <tbody> <tr> <td></td> <td>IGRF2015</td> <td>7/18/2017</td> <td>6.97</td> <td>60.35</td> <td>48,112.02665443</td> </tr> </tbody> </table>				Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)		IGRF2015	7/18/2017	6.97	60.35	48,112.02665443
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)										
	IGRF2015	7/18/2017	6.97	60.35	48,112.02665443										
Design OH															
Audit Notes: Version: 1.0 Phase: ACTUAL Tie On Depth: 0.0															
<table border="1"> <thead> <tr> <th>Vertical Section:</th> <th>Depth From (TVD) (usft)</th> <th>+N-S (usft)</th> <th>+E-W (usft)</th> <th>Direction (°)</th> </tr> </thead> <tbody> <tr> <td></td> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>351.64</td> </tr> </tbody> </table>				Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)		0.0	0.0	0.0	351.64		
Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)											
	0.0	0.0	0.0	351.64											
Survey Program Date 12/19/2018															
<table border="1"> <thead> <tr> <th>From (usft)</th> <th>To (usft)</th> <th>Survey (Wellbore)</th> <th>Tool Name</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>175.0</td> <td>16,136.0</td> <td>Drilltech MWD (OH)</td> <td>MWD</td> <td>OWSG MWD - Standard</td> </tr> </tbody> </table>				From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	175.0	16,136.0	Drilltech MWD (OH)	MWD	OWSG MWD - Standard		
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175.0	16,136.0	Drilltech MWD (OH)	MWD	OWSG MWD - Standard											



Midland PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Delta 20 Fed
 Well: #806H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #806H
 TVD Reference: KB = 25 @ 3734.0usft
 MD Reference: KB = 25 @ 3734.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 6000.14

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)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0
175.0	0.09	114.41	175.0	-0.1	0.1	0.05	0.05	0.00	-0.1	0.0	
294.0	0.53	132.43	294.0	-0.5	0.6	0.37	0.37	15.14	-0.8	0.1	
412.0	0.97	34.52	412.0	0.0	1.6	0.89	0.37	-82.97	-0.9	-1.3	
529.0	0.79	88.84	529.0	0.8	3.0	0.70	-0.15	48.43	-3.0	0.8	
647.0	0.82	114.32	647.0	0.6	4.3	0.30	-0.14	21.59	-3.7	2.3	
766.0	0.70	301.00	766.0	0.7	4.3	1.11	0.07	-145.65	3.3	-2.8	
859.0	1.49	300.56	858.9	1.6	2.8	0.85	0.85	-0.47	1.6	-2.8	
950.0	3.61	302.32	949.9	3.7	-0.7	2.33	2.33	1.93	-2.5	-2.8	
1,042.0	4.75	300.83	1,041.6	7.2	-6.4	1.24	1.24	-1.62	-9.2	-2.9	
1,134.0	4.04	296.08	1,133.3	10.6	-12.6	0.87	-0.77	-5.16	-15.9	-4.0	
1,225.0	4.04	291.78	1,224.1	13.2	-18.4	0.33	0.00	-4.73	-21.9	-5.5	
1,318.0	3.78	289.58	1,316.9	15.4	-24.3	0.32	-0.28	-2.37	-26.1	-7.8	
1,409.0	4.40	281.40	1,407.7	17.1	-30.6	0.93	0.68	-8.99	-26.6	-14.1	
1,501.0	4.48	283.07	1,499.4	18.6	-37.6	0.17	0.09	1.82	-26.8	-17.1	
1,594.0	4.92	273.76	1,592.1	19.7	-45.1	0.95	0.47	-10.01	-20.7	-25.4	
1,675.0	4.31	271.82	1,672.8	20.1	-51.6	0.78	-0.75	-2.40	-16.2	-29.2	
1,792.0	3.78	281.25	1,789.5	20.9	-59.8	0.73	-0.45	8.06	-15.4	-32.1	
1,887.0	4.48	269.65	1,884.3	21.5	-66.5	1.14	0.74	-12.21	-3.4	-38.3	
1,982.0	7.21	250.93	1,978.8	19.6	-75.9	3.47	2.87	-19.71	11.8	-37.7	
2,077.0	9.76	246.63	2,072.7	14.4	-88.9	2.76	2.68	-4.53	12.7	-35.3	
2,171.0	10.11	246.82	2,165.3	8.3	-103.9	0.55	0.37	2.33	7.3	-34.1	
2,360.0	9.15	246.36	2,351.7	-3.7	-133.2	0.55	-0.51	-1.30	1.3	-30.8	
2,454.0	9.76	250.49	2,444.4	-8.4	-147.5	0.97	0.65	4.39	-4.2	-28.3	
2,549.0	10.64	251.46	2,537.9	-14.9	-163.4	0.94	0.93	1.02	-9.3	-28.3	
2,736.0	9.15	250.84	2,722.1	-25.2	-183.8	0.80	-0.80	-0.33	-17.0	-26.8	
2,830.0	8.09	247.86	2,815.0	-30.2	-207.0	1.22	-1.13	-3.17	-17.6	-26.5	



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 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)		
2,925.0	8.18	251.81	2,808.1	-34.8	-219.6	0.60	0.09	4.16	-20.5	-24.0		
3,019.0	8.71	255.59	3,002.1	-38.7	-232.9	0.82	0.56	4.02	-23.7	-22.3		
3,113.0	7.85	256.64	3,095.1	-41.9	-245.9	1.14	-1.13	1.12	-25.3	-22.1		
3,207.0	8.09	248.12	3,188.2	-45.6	-258.1	1.32	0.47	-9.06	-22.4	-25.0		
3,302.0	8.23	243.72	3,282.1	-51.7	-271.1	1.38	1.20	-4.63	-22.7	-24.7		
3,398.0	8.53	243.90	3,375.0	-58.1	-284.1	0.75	-0.74	0.19	-25.4	-22.2		
3,491.0	9.58	247.59	3,468.8	-64.2	-297.8	1.26	1.11	3.88	-29.5	-18.5		
3,585.0	10.38	251.28	3,561.4	-69.9	-313.0	1.09	0.85	3.93	-34.7	-15.3		
3,680.0	9.94	250.23	3,654.9	-75.4	-328.8	0.50	-0.46	-1.11	-39.0	-15.0		
3,774.0	9.76	249.70	3,747.5	-80.9	-344.0	0.21	-0.19	-0.56	-42.8	-14.3		
3,868.0	9.67	249.17	3,840.2	-86.5	-358.8	0.13	-0.10	-0.56	-46.5	-13.5		
3,962.0	10.20	249.79	3,932.8	-92.2	-374.0	0.58	0.66	0.66	-50.7	-11.8		
4,057.0	10.20	250.40	4,026.3	-97.9	-389.8	0.11	0.00	0.64	-55.5	-10.2		
4,151.0	10.02	251.20	4,118.8	-103.3	-405.4	0.24	-0.19	0.85	-60.0	-8.5		
4,246.0	9.50	251.02	4,212.4	-108.5	-420.6	0.55	-0.55	-0.19	-63.8	-7.8		
4,341.0	8.79	250.23	4,306.2	-113.5	-434.9	0.78	-0.75	-0.83	-68.5	-7.7		
4,435.0	7.65	255.68	4,399.3	-117.5	-447.7	1.47	-1.21	5.80	-68.2	-0.9		
4,529.0	7.03	258.23	4,492.5	-120.2	-459.4	0.74	-0.66	2.71	-68.0	1.8		
4,623.0	6.77	257.52	4,585.8	-122.6	-470.4	0.29	-0.28	-0.76	-67.1	0.3		
4,717.0	6.60	258.84	4,679.2	-124.9	-481.1	0.24	-0.18	1.40	-65.9	1.2		
4,811.0	6.60	257.52	4,772.5	-127.1	-491.7	0.16	0.00	-1.40	-64.5	-0.9		
4,905.0	6.42	257.35	4,865.9	-129.4	-502.1	0.19	-0.19	-0.18	-62.9	-1.6		
5,094.0	6.16	256.28	5,053.8	-134.1	-522.3	0.15	-0.14	-0.56	-59.1	-3.5		
5,188.0	5.89	256.64	5,147.3	-136.4	-531.9	0.29	-0.29	0.37	-56.8	-3.4		
5,249.0	5.80	256.29	5,208.0	-137.9	-537.9	0.16	-0.15	-0.57	-55.0	-4.0		
5,352.0	6.07	252.87	5,310.4	-140.7	-548.2	0.43	0.28	-3.32	-52.0	-7.0		
5,446.0	6.16	256.03	5,403.8	-143.4	-557.8	0.37	0.10	3.36	-50.1	-4.1		



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #606H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3734.0usft
Site:	Della 28 Fed	MD Reference:	KB = 25 @ 3734.0usft
Well:	#606H	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)	Bulld (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
5,541.0	6.24	257.17	5,498.3	-145.8	-567.8	0.15	0.08	1.20	-48.1	-3.4	
5,636.0	6.16	257.17	5,592.8	-146.0	-577.8	0.08	-0.08	0.00	-46.0	-3.9	
5,730.0	4.75	261.57	5,686.3	-149.7	-586.6	1.56	-1.50	4.68	-42.9	-1.3	
5,825.0	4.48	262.45	5,781.0	-150.8	-594.1	0.29	-0.28	0.93	-38.4	-2.2	
5,920.0	4.31	264.55	5,875.8	-151.6	-601.4	0.25	-0.18	2.21	-33.5	-2.7	
6,014.0	4.22	263.50	5,969.5	-152.4	-608.3	0.13	-0.10	-1.12	-28.4	-5.1	
6,109.0	4.04	260.25	6,064.2	-153.3	-615.1	0.31	-0.19	-3.42	-22.6	-8.0	
6,203.0	3.87	260.34	6,158.0	-154.4	-621.5	0.18	-0.18	0.10	-16.9	-9.1	
6,298.0	3.61	261.30	6,252.8	-155.4	-627.6	0.28	-0.27	1.01	-11.0	-10.1	
6,393.0	3.61	261.13	6,347.6	-156.3	-633.5	0.01	0.00	-0.18	-4.6	-11.4	
6,487.0	3.43	265.70	6,441.5	-157.0	-639.2	0.35	-0.19	4.86	0.7	-13.0	
6,581.0	3.34	270.53	6,535.3	-157.2	-644.8	0.32	-0.10	5.14	5.8	-16.1	
6,676.0	3.08	273.78	6,630.1	-157.0	-650.1	0.33	-0.27	3.42	11.3	-20.1	
6,771.0	3.08	270.62	6,725.0	-156.6	-655.2	0.18	0.00	-3.33	17.1	-22.4	
6,866.0	1.76	262.71	6,819.9	-156.9	-659.2	1.43	-1.39	-8.33	23.1	-21.1	
6,961.0	1.32	245.57	6,914.9	-157.6	-661.6	0.67	-0.46	-18.04	29.6	-13.1	
7,055.0	1.23	256.91	7,008.9	-158.2	-663.6	0.28	-0.10	12.06	25.2	-18.5	
7,150.0	1.32	263.94	7,103.8	-158.6	-665.7	0.19	0.09	7.40	20.7	-21.3	
7,244.0	1.23	270.09	7,197.8	-158.7	-667.6	0.17	-0.10	6.54	16.2	-23.3	
7,338.0	1.06	272.11	7,291.8	-158.7	-669.7	0.19	-0.18	2.15	13.5	-23.8	
7,433.0	1.14	272.46	7,386.8	-158.6	-671.5	0.08	0.08	0.37	11.6	-23.9	
7,527.0	0.79	279.76	7,480.8	-158.4	-673.0	0.39	-0.37	7.77	6.8	-25.1	
7,621.0	0.62	296.46	7,574.8	-158.1	-674.1	0.28	-0.18	17.77	-1.8	-25.6	
7,716.0	0.70	317.82	7,669.7	-157.5	-675.0	0.27	0.08	22.48	-12.1	-23.2	
7,810.0	0.62	325.38	7,763.7	-156.6	-675.7	0.13	-0.09	8.04	-16.2	-21.3	
7,905.0	0.53	338.21	7,858.7	-155.8	-676.1	0.16	-0.09	13.51	-21.4	-17.1	
7,999.0	0.53	349.81	7,952.7	-154.9	-676.4	0.11	0.00	12.34	-25.3	-12.3	



Midland PVA

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Well:	#806H	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)	D/Leg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
8,093.0	0.53	0.27	8,046.7	-154.1	-676.4	0.10	0.00	11.13	-28.0	-7.4	
8,188.0	0.44	20.04	8,141.7	-153.3	-676.3	0.20	-0.09	20.81	-29.6	2.6	
8,282.0	0.35	153.29	8,235.7	-153.2	-676.1	0.77	-0.10	141.76	22.1	20.0	
8,376.0	0.70	168.14	8,329.7	-164.0	-675.6	0.40	0.37	15.80	25.7	13.8	
8,470.0	0.70	164.78	8,423.7	-155.1	-675.4	0.17	0.00	-14.21	20.7	19.2	
8,565.0	0.62	147.84	8,518.7	-156.1	-674.9	0.12	-0.08	-7.31	17.1	21.5	
8,660.0	0.26	32.35	8,613.7	-156.3	-674.5	0.81	-0.38	-121.57	-26.8	5.7	
8,754.0	0.62	0.71	8,707.7	-155.6	-674.4	0.45	0.38	-33.66	-26.5	-9.3	
8,848.0	1.06	0.88	8,801.7	-154.3	-674.4	0.47	0.47	0.18	-27.9	-8.2	
8,943.0	0.88	348.14	8,896.7	-152.7	-674.5	0.29	-0.18	-13.41	-26.8	-15.3	
9,037.0	2.20	338.82	8,990.6	-150.3	-675.3	1.42	1.40	-8.91	-26.4	-18.6	
9,131.0	1.93	176.40	9,084.6	-150.2	-675.9	4.34	-0.29	-172.79	31.2	10.1	
9,226.0	3.69	167.79	9,179.5	-154.8	-675.1	1.90	1.85	-8.06	24.7	14.4	
9,321.0	3.17	167.61	9,274.3	-160.3	-673.9	0.55	-0.55	-0.19	19.0	14.5	
9,416.0	2.20	173.24	9,369.2	-164.7	-673.1	1.06	-1.02	5.93	15.9	12.8	
9,511.0	1.93	187.47	9,464.2	-168.1	-673.1	0.61	-0.28	14.98	15.2	9.0	
9,606.0	2.29	180.02	9,559.1	-171.5	-673.7	0.39	0.38	2.68	12.1	8.3	
9,701.0	1.93	196.18	9,654.0	-175.0	-674.5	0.45	-0.38	6.48	9.4	7.2	
9,796.0	1.67	207.07	9,749.0	-177.7	-675.5	0.45	-0.27	11.46	7.7	5.6	
9,891.0	1.23	216.39	9,844.0	-179.8	-676.8	0.52	-0.46	9.81	6.1	4.5	
9,986.0	1.32	221.75	9,938.9	-181.4	-678.1	0.16	0.09	5.84	4.4	4.0	
10,081.0	1.49	233.71	10,033.9	-183.0	-679.8	0.36	0.18	12.59	2.8	3.2	
10,176.0	1.49	252.87	10,128.9	-184.1	-682.0	0.52	0.00	20.17	1.3	2.6	
10,271.0	2.20	246.56	10,223.8	-185.1	-684.8	0.76	0.75	-4.54	-1.9	2.6	
10,366.0	1.85	237.22	10,318.8	-186.6	-687.9	0.56	-0.37	-11.94	-5.7	1.8	
10,460.0	2.02	225.97	10,412.7	-186.6	-690.3	0.44	0.18	-11.97	-9.1	0.3	
10,555.0	1.93	205.05	10,507.7	-191.2	-692.2	0.76	-0.09	-22.02	-11.8	-3.6	



Midland PVA

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Design:	OH	Database:	EDM 5000.14

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLag (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
10,617.0	2.20	206.72	10,569.8	-193.2	-693.2	0.45	0.44	2.69	-14.1	-3.2	
10,708.0	1.67	359.42	10,660.6	-193.4	-694.0	4.13	-0.58	166.70	11.6	10.3	
10,755.0	9.58	11.08	10,707.3	-168.9	-693.3	16.93	16.83	26.94	12.5	7.0	
10,802.0	16.00	7.91	10,753.1	-178.6	-691.6	13.74	13.66	-6.74	9.0	6.4	
10,896.0	19.81	3.08	10,842.6	-150.0	-689.0	4.15	3.84	-5.14	5.5	4.4	
10,990.0	27.61	4.75	10,928.7	-112.6	-686.3	8.54	8.51	1.78	8.3	1.1	
11,085.0	36.23	0.62	11,008.3	-82.4	-684.2	9.36	9.07	-4.35	12.8	-0.9	
11,180.0	48.63	358.42	11,079.3	1.8	-684.9	13.14	13.05	-2.32	15.2	-0.4	
11,274.0	63.22	355.96	11,131.8	79.1	-688.8	15.67	15.52	-2.82	10.6	3.1	
11,369.0	68.94	359.92	11,170.3	168.6	-691.9	7.12	6.02	4.17	4.6	5.1	
11,461.0	76.33	1.94	11,197.7	253.6	-690.4	8.30	8.03	2.20	3.0	2.9	
11,556.0	79.58	1.41	11,217.6	346.4	-687.7	3.46	3.42	-0.56	7.9	-0.5	
11,650.0	83.45	0.97	11,231.4	439.4	-685.8	4.14	4.12	-0.47	20.7	-3.2	
11,745.0	88.35	0.62	11,239.6	534.0	-684.5	3.07	3.05	-0.37	30.4	-5.3	
11,840.0	88.37	359.30	11,244.2	628.9	-684.6	2.54	2.13	-1.39	36.1	-5.9	
11,934.0	91.80	359.95	11,244.1	722.8	-686.0	3.67	3.65	-0.37	37.2	-5.3	
12,028.0	89.69	359.13	11,242.9	816.6	-687.6	2.25	-2.24	0.19	37.3	-4.4	
12,122.0	89.08	358.86	11,243.9	910.8	-689.2	0.71	-0.65	-0.29	39.6	-3.5	
12,216.0	89.34	358.77	11,245.2	1,004.7	-691.2	0.29	0.28	-0.10	42.2	-2.4	
12,311.0	89.43	358.33	11,246.2	1,099.7	-693.6	0.47	0.09	-0.46	44.5	-0.7	
12,405.0	90.13	358.60	11,246.6	1,193.7	-696.1	0.80	0.74	0.29	46.3	1.0	
12,499.0	91.28	0.09	11,245.4	1,287.7	-697.2	2.00	1.22	1.59	46.6	1.4	
12,593.0	91.80	359.39	11,242.9	1,381.6	-697.6	0.93	0.55	-0.74	45.6	1.0	
12,688.0	92.77	359.56	11,239.1	1,476.5	-698.5	1.04	1.02	0.18	43.2	1.2	
12,782.0	93.12	359.48	11,234.3	1,570.4	-699.2	0.38	0.37	-0.09	39.8	1.2	
12,876.0	93.65	359.65	11,228.7	1,664.2	-700.0	0.59	0.56	0.18	35.7	1.2	
12,971.0	90.31	359.39	11,225.4	1,759.2	-700.7	3.53	-3.52	-0.27	33.9	1.2	



Midland PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Delta 29 Fed
 Well: #806H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #806H
 TVD Reference: KB = 25 @ 3734.0usft
 MD Reference: KB = 25 @ 3734.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.14

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLag (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
13,065.0	89.87	359.92	11,225.3	1,853.2	-701.3	0.73	-0.47	0.56	35.2	1.0	
13,160.0	90.22	359.21	11,225.2	1,948.2	-702.0	0.83	0.37	-0.75	36.6	1.0	
13,254.0	91.63	359.13	11,223.7	2,042.1	-703.4	1.50	1.50	-0.09	36.6	1.6	
13,349.0	92.86	359.65	11,220.0	2,137.1	-704.4	1.41	1.29	0.55	34.3	1.8	
13,444.0	91.10	0.09	11,216.7	2,232.0	-704.6	1.91	-1.85	0.46	32.5	1.3	
13,539.0	91.19	359.83	11,214.8	2,327.0	-704.7	0.28	0.09	-0.27	32.0	0.6	
13,633.0	91.80	0.36	11,212.3	2,421.0	-704.5	0.86	0.65	0.56	31.1	-0.3	
13,728.0	91.98	359.83	11,209.2	2,515.9	-704.4	0.59	0.19	-0.56	29.6	-1.2	
13,822.0	92.42	359.13	11,205.6	2,609.8	-705.2	0.88	0.47	-0.74	27.6	-1.2	
13,917.0	90.13	359.04	11,203.5	2,704.8	-706.7	2.41	-2.41	-0.09	27.2	-0.4	
14,011.0	90.48	359.13	11,203.0	2,798.8	-708.2	0.38	0.37	0.10	28.3	0.4	
14,106.0	91.10	359.56	11,201.7	2,893.8	-709.3	0.79	0.65	0.45	28.6	0.7	
14,201.0	90.31	359.30	11,200.5	2,988.7	-710.3	0.88	-0.83	-0.27	29.1	0.9	
14,296.0	91.45	359.74	11,199.1	3,083.7	-711.1	1.29	1.20	0.46	29.3	0.9	
14,391.0	91.36	0.00	11,196.7	3,178.7	-711.3	0.29	-0.09	0.27	28.6	0.4	
14,486.0	91.36	1.23	11,194.5	3,273.7	-710.3	1.29	0.00	1.29	28.0	-1.4	
14,581.0	90.13	0.71	11,193.2	3,368.6	-708.7	1.41	-1.29	-0.55	28.4	-3.8	
14,675.0	89.69	0.44	11,193.4	3,462.6	-707.7	0.55	-0.47	-0.29	30.1	-5.5	
14,770.0	90.04	0.27	11,193.6	3,557.6	-707.1	0.41	0.37	-0.18	32.0	-6.8	
14,864.0	89.87	0.00	11,193.7	3,651.6	-706.9	0.34	-0.18	-0.29	34.0	-7.8	
14,958.0	90.13	0.00	11,193.7	3,745.6	-706.9	0.28	0.28	0.00	35.9	-8.6	
15,052.0	90.13	359.56	11,193.5	3,839.6	-707.3	0.47	0.00	-0.47	37.6	-9.0	
15,146.0	90.66	359.30	11,192.8	3,933.6	-708.2	0.83	0.56	-0.28	38.9	-8.8	
15,241.0	91.28	359.21	11,191.2	4,028.6	-709.4	0.66	0.65	-0.09	39.2	-8.3	
15,336.0	91.63	358.95	11,188.8	4,123.6	-711.0	0.46	0.37	-0.27	38.2	-7.5	
15,430.0	91.89	358.77	11,185.9	4,217.5	-712.8	0.34	0.28	-0.19	36.6	-6.4	
15,524.0	92.15	357.46	11,182.6	4,311.4	-715.9	1.42	0.28	-1.39	34.7	-4.1	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #806H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3734.0usft
Site:	Della 29 Fed	MD Reference:	KB = 25 @ 3734.0usft
Well:	#806H	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)	DLag (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
15,818.0	91.89	358.75	11,170.3	4,405.2	-720.7	0.80	-0.28	-0.78	32.7	-0.1
15,713.0	92.33	357.19	11,175.8	4,500.0	-725.7	0.85	0.46	0.46	30.8	4.1
15,807.0	90.48	359.83	11,173.5	4,593.9	-728.1	3.43	-1.97	2.81	29.6	5.9
15,902.0	89.78	359.30	11,173.3	4,688.9	-728.8	0.92	-0.74	-0.56	30.8	5.8
15,997.0	90.04	358.86	11,173.4	4,783.9	-730.4	0.54	0.27	-0.46	32.3	6.6
16,072.0	90.22	358.60	11,173.2	4,858.9	-732.0	0.42	0.24	-0.35	33.2	7.6
16,136.0	90.22	358.60	11,173.0	4,922.9	-733.6	0.00	0.00	0.00	33.8	8.7

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N-S (usft)	+E-W (usft)	
10,683.0	10,635.6	-193.9	-693.9	KOP, MD:10683.0', TVD:10635.6', N/S:-193.9', E/W:-693.9', INC:0.74
10,944.9	10,888.1	-132.0	-687.9	FTP Crossing, MD:10944.9', TVD:10888.1', N/S:-132.0', E/W:-687.9', INC:23.77
16,072.0	11,173.2	4,858.9	-732.0	Last MWD Survey (MD=16072.0')
16,136.0	11,173.0	4,922.9	-733.6	Projection to Bit (MD=16136.0')

Checked By: _____ Approved By: _____ Date: _____



Lea County, NM (NAD 83 NME)

Della 29 Fed

#606H

Plan #1

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

To convert a Magnetic Direction to a Grid Direction, Add 0.87°
To convert a Magnetic Direction to a True Direction, Add 0.97° East
To convert a True Direction to a Grid Direction, Subtract 0.40°

WELL DETAILS: #606H

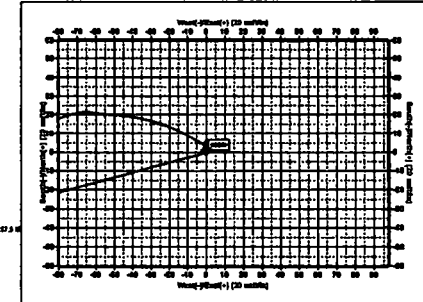
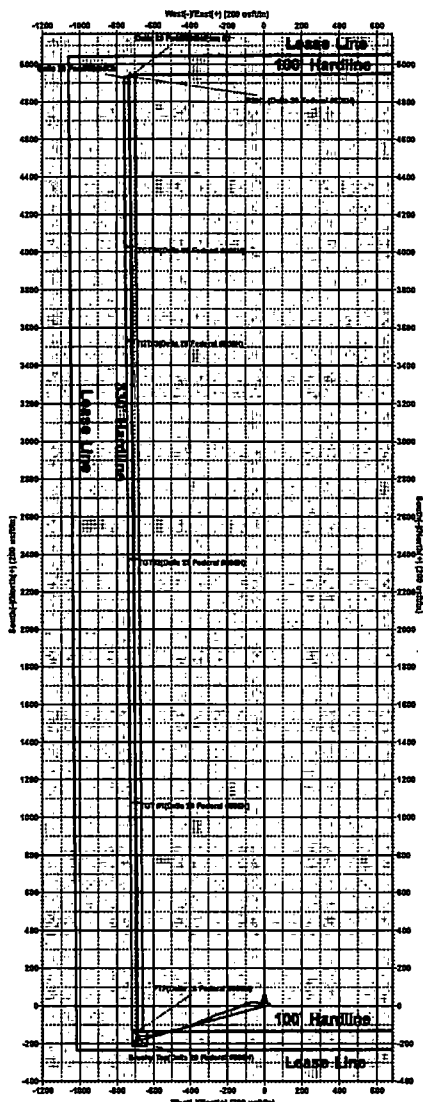
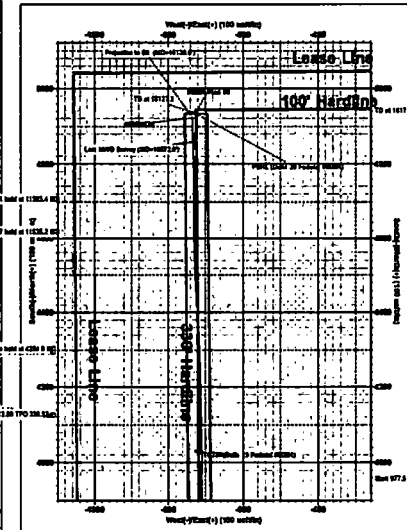
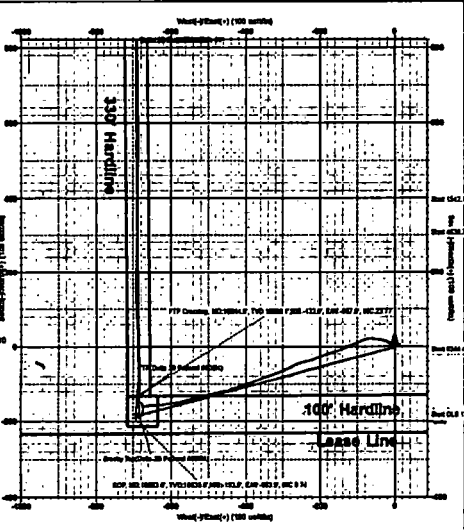
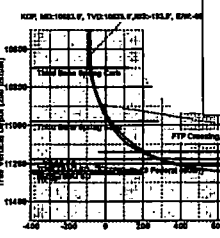
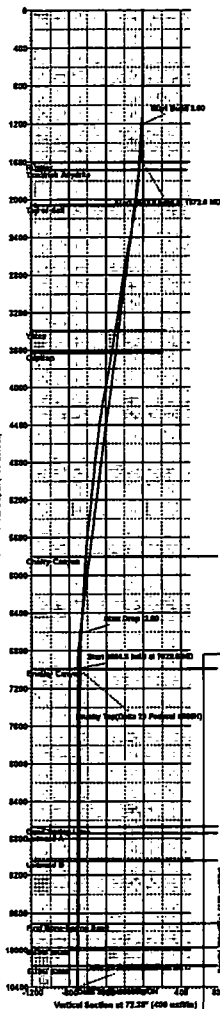
KB = 25 @ 3734.00
Easting 771111.00 Northing 560683.00
Latitude 32° 32' 15.05" N Longitude 103° 35' 15.81" W
Spot

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Diag	TFace	VSeet	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1200.0	0.00	0.00	1200.0	0.0	0.0	0.00	0.00	0.0	
3	1572.6	7.45	255.10	1571.6	-6.2	-23.4	2.00	255.10	-2.8	
4	6658.4	7.45	255.10	6612.4	-175.8	-680.6	0.00	0.00	-77.9	
5	7020.0	0.00	0.00	6984.0	-182.0	-684.0	2.00	180.00	-80.6	Brushy Top(Della 29 Federal #606H)
6	10683.4	0.00	0.00	10638.4	-182.0	-684.0	0.00	0.00	-80.6	
7	11591.3	90.78	359.54	11211.3	398.8	-688.7	10.00	359.54	494.7	TGT #1(Della 29 Federal #606H)
8	12271.2	90.78	359.54	11202.0	1078.6	-694.1	0.00	0.00	1188.0	
9	12276.2	90.88	359.54	11201.9	1083.6	-694.1	2.00	0.00	1173.0	TGT #2(Della 29 Federal #606H)
10	13568.6	90.88	359.54	11182.0	2375.8	-704.5	0.00	0.00	2453.0	
11	13573.9	90.99	359.54	11181.9	2381.1	-704.5	2.00	0.00	2458.2	TGT #3(Della 29 Federal #606H)
12	14727.8	90.99	359.54	11182.0	3534.8	-713.8	0.00	0.00	3801.0	
13	14738.2	91.16	359.54	11161.8	3543.2	-713.9	2.00	0.00	3809.3	TGT #4(Della 29 Federal #606H)
14	15223.6	91.16	359.54	11152.0	4030.5	-717.8	0.00	0.00	4092.0	
15	15240.4	90.82	359.54	11151.7	4047.3	-717.9	2.00	-180.00	4108.7	
16	16127.2	60.82	359.54	11139.0	4934.0	-725.0	0.00	0.00	4987.0	PBHL (Della 29 Federal #606H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting	Shape
Brushy Top(Della 29 Federal #606H)	6384.0	-182.0	-684.0	63991.00	770427.00	Polygon
PBHL (Della 29 Federal #606H)	11139.0	-725.0	-694.0	66207.00	770389.00	Rectangle (Sides: 10.0 Wx2.0)
TGT #1(Della 29 Federal #606H)	11182.0	4280.5	-717.8	664113.00	770383.34	Point
TGT #2(Della 29 Federal #606H)	11182.0	4280.5	-713.9	664117.00	770387.21	Point
TGT #3(Della 29 Federal #606H)	11182.0	4280.5	-704.1	664208.00	770426.00	Point
TGT #4(Della 29 Federal #606H)	11202.0	4030.5	-717.8	664181.00	770418.00	Point
PBHL (Della 29 Federal #606H)	11219.0	-725.0	-694.0	66207.00	770427.00	Point



Lea County, NM (NAD 83 NME)
Della 29 Fed
#606H
Plan #1