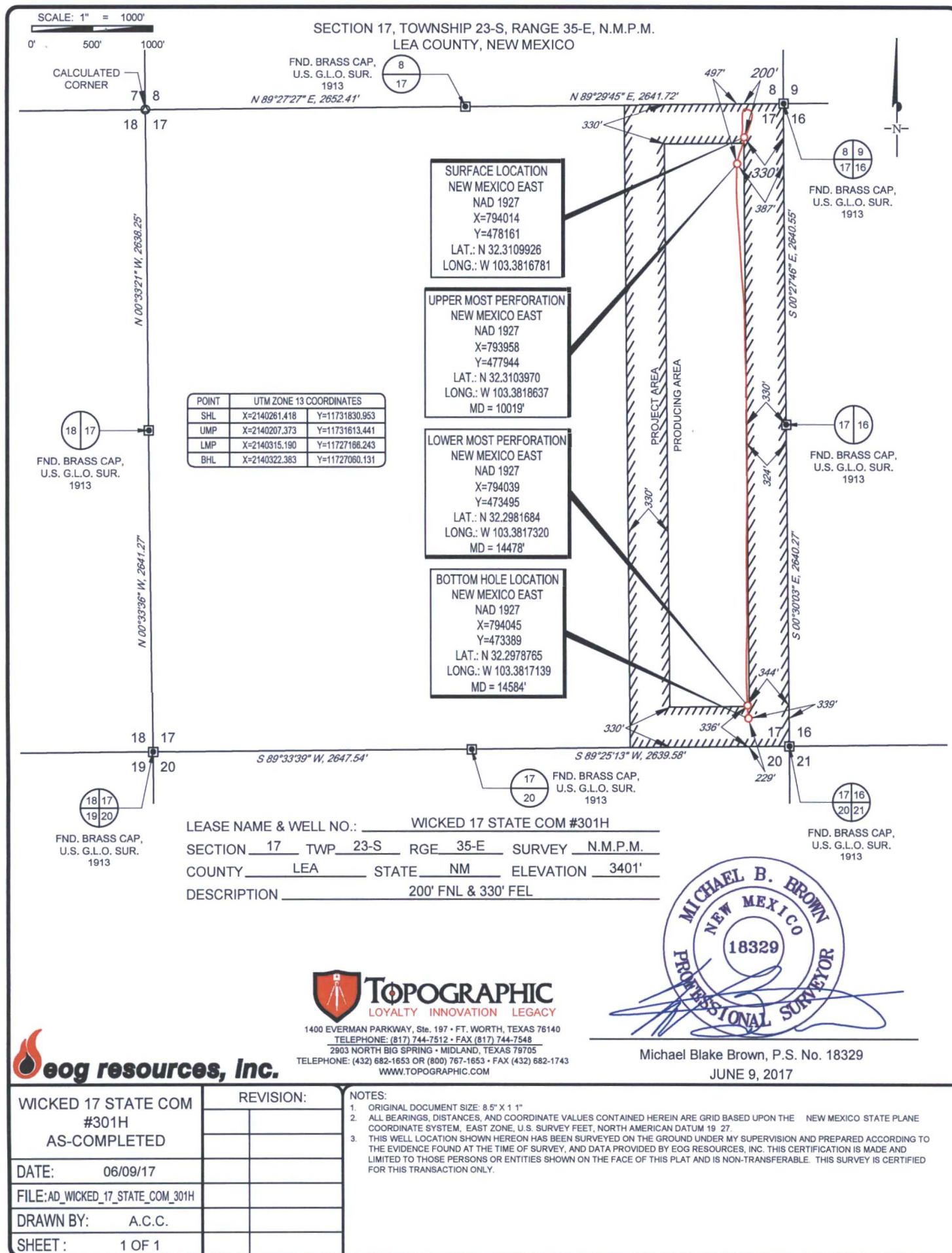




Lea County, NM (NAD 27 NME)

Wicked 17 State Com #301H

H&P 620

Plan #2

PROJECT DETAILS: Lea County, NM (NAD 27 NME)
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
System Datum: Mean Sea Level
Zone: New Mexico East 3001

WELL DETAILS: #301H
Ground Level: 3401.0
KB = 25 @ 1428.00m (H&P 620)
Easting: 794014.00
Latitude: 32° 18' 38.574" N
Longitude: 103° 22' 34.039" W

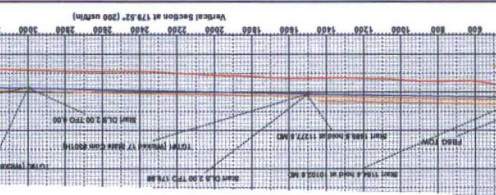
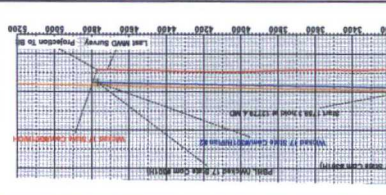
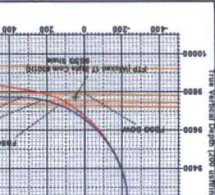
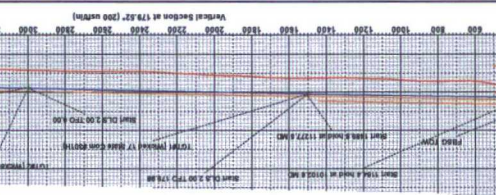
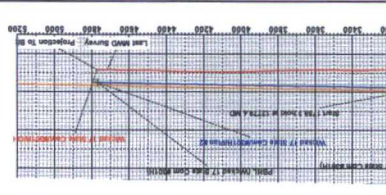
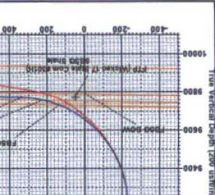
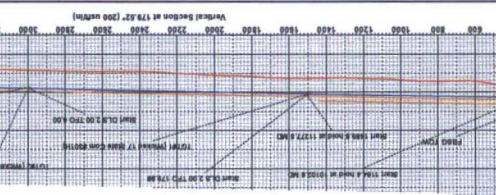
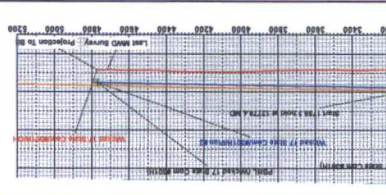
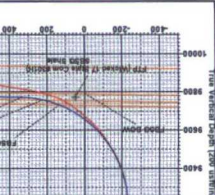
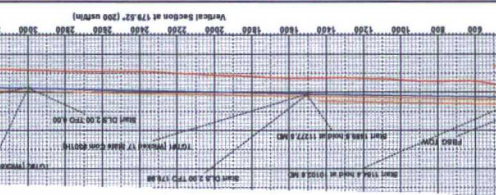
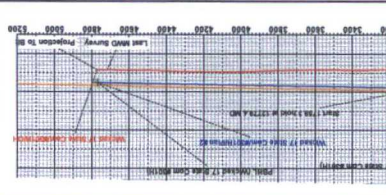
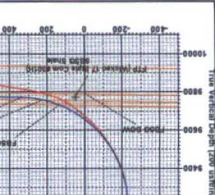
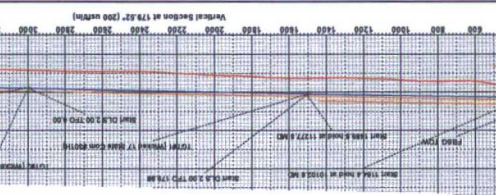
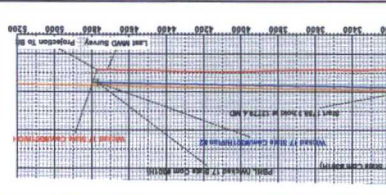
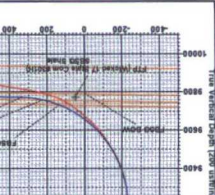
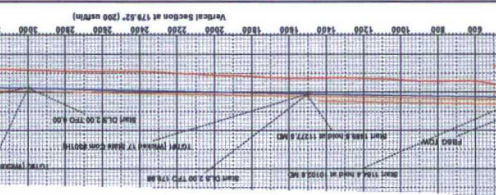
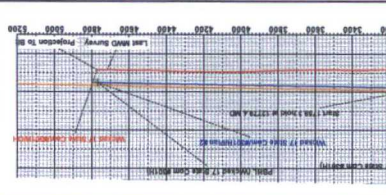
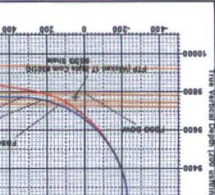
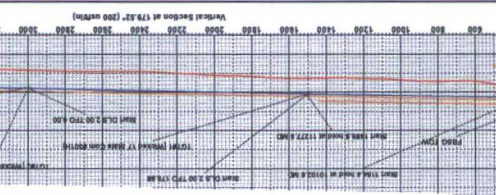
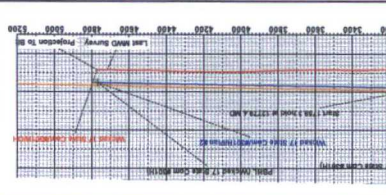
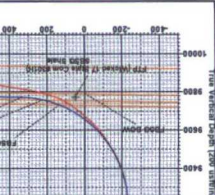
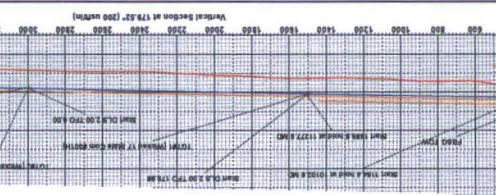
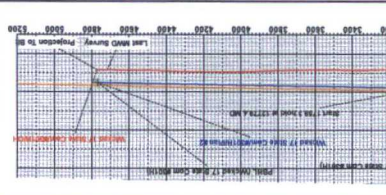
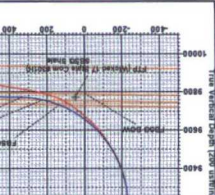
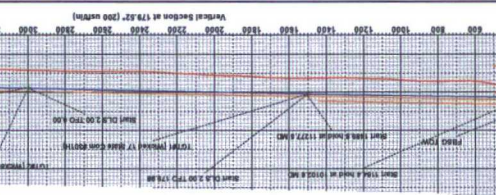
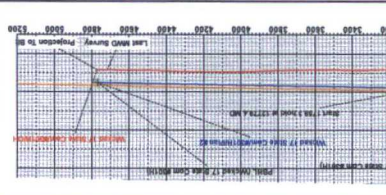
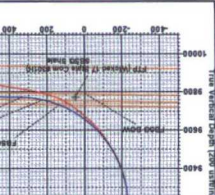
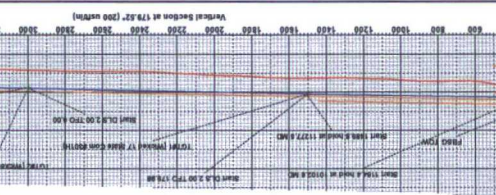
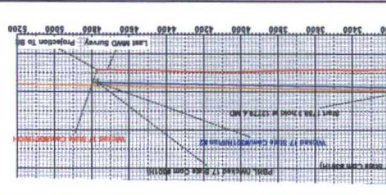
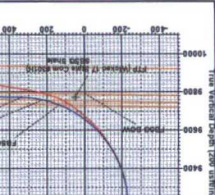
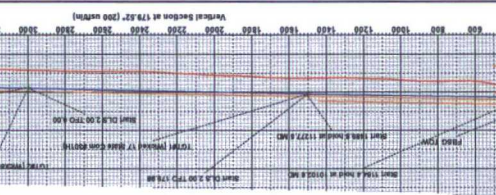
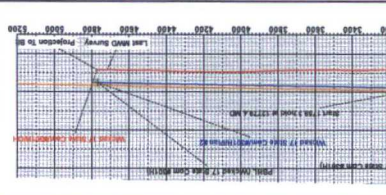
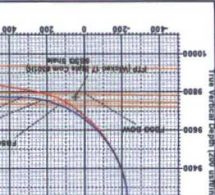
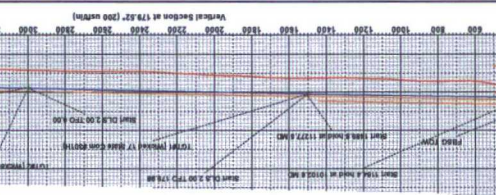
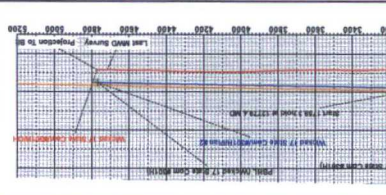
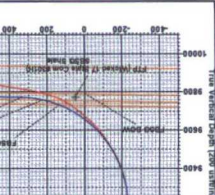
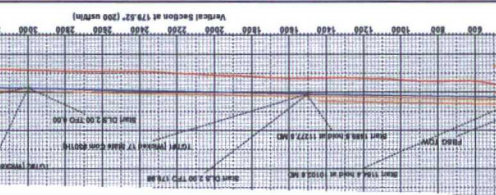
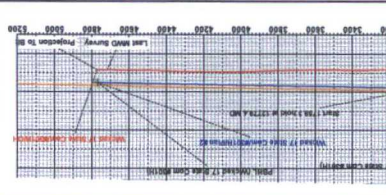
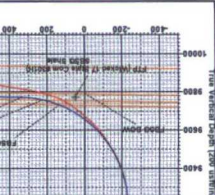
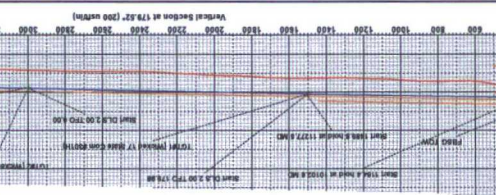
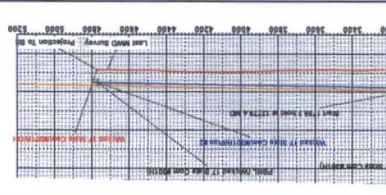
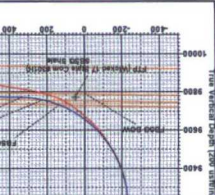
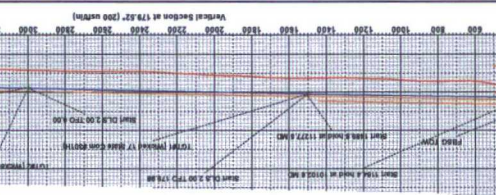
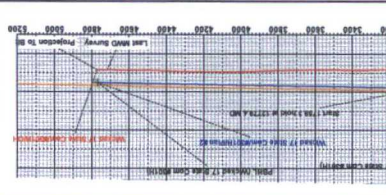
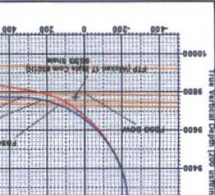
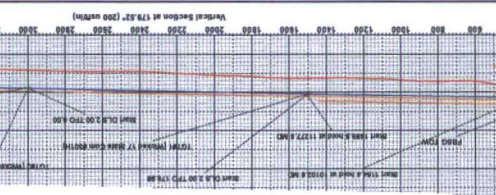
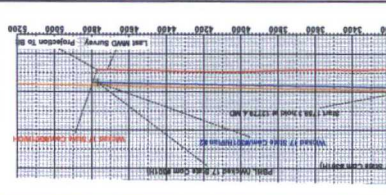
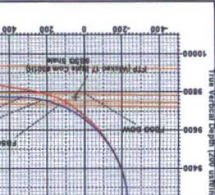
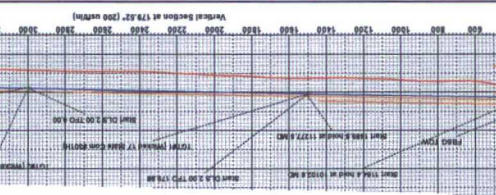
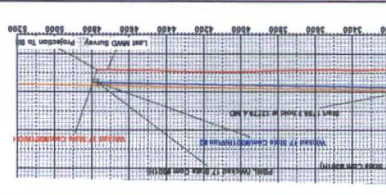
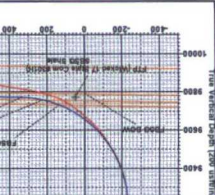
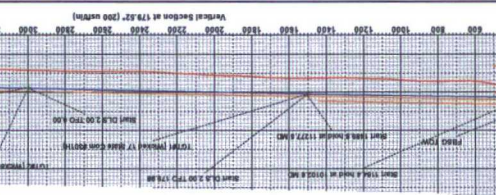
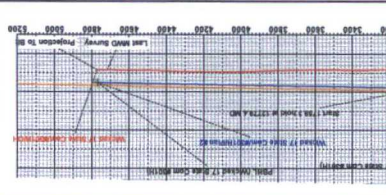
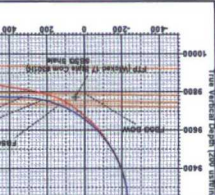
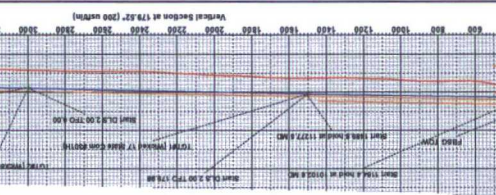
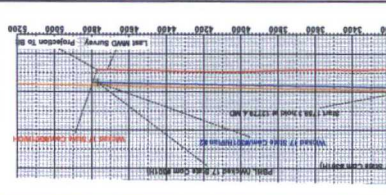
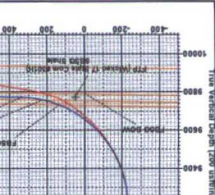
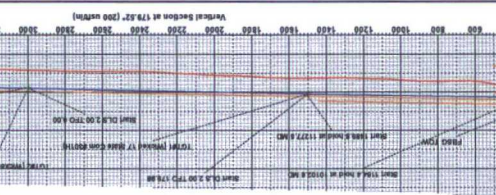
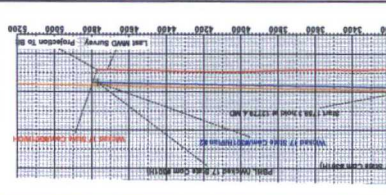
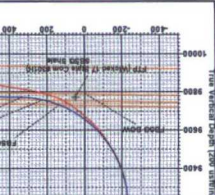
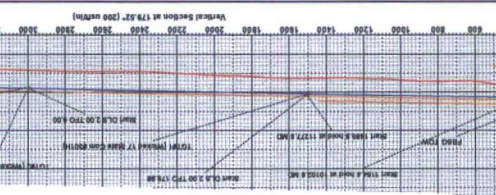
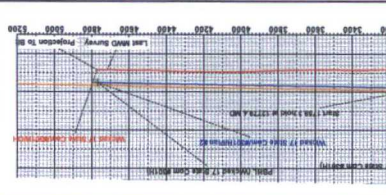
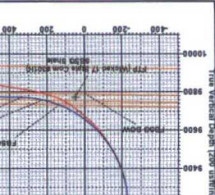
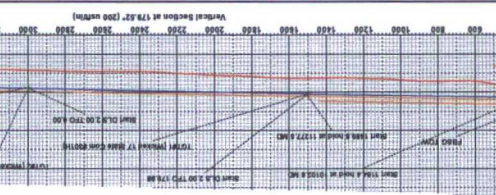
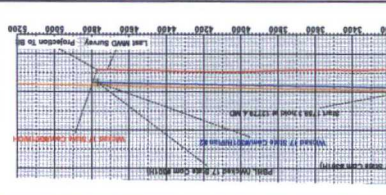
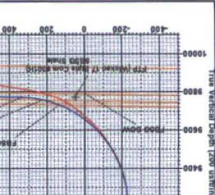
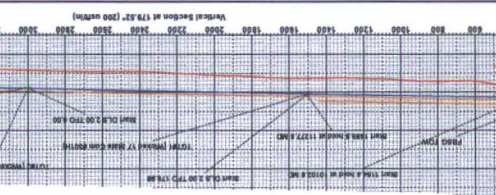
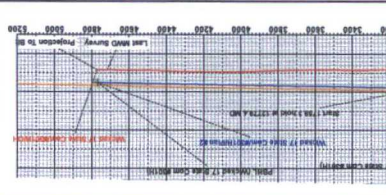
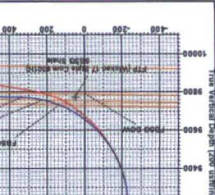
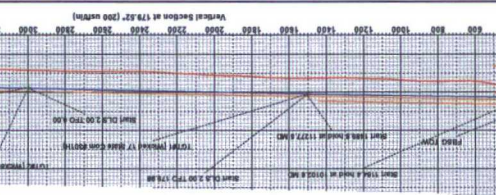
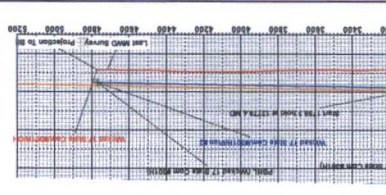
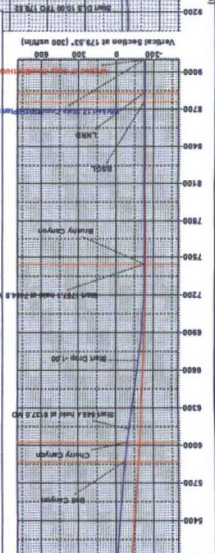
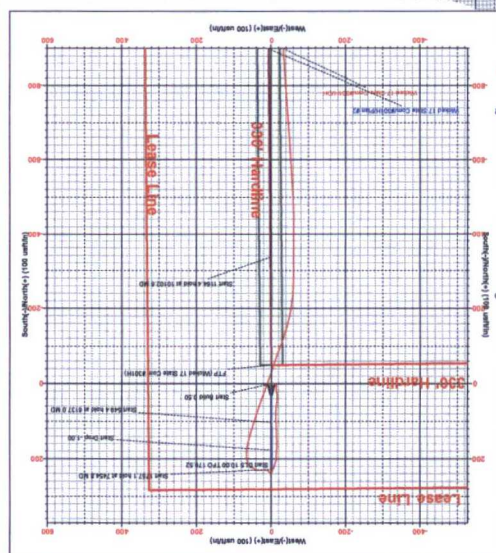
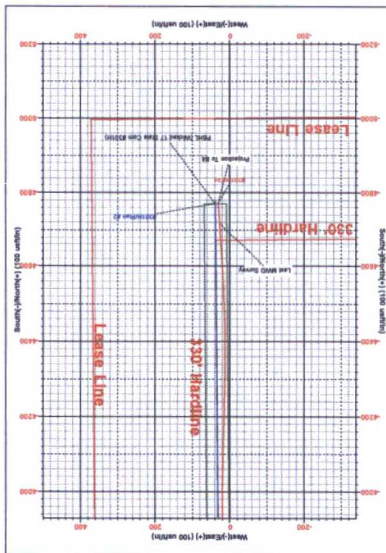
To convert a Magnetic Direction to a Grid Direction, Add 0.51°
To convert a True Direction to a Grid Direction, Subtract 0.51°

Magnetic Field
Strength: 48030.7 nT
Dip Angle: 60.15°
True North: 0.51°
Magnetic North: 0.39°

Date: 4/8/2017
Model: IGRF2015



SECTION DETAILS											
Sec	MD	Inc	Adj	TYD	+N/-S	+E/-W	Chng	Trfcs	Vert	Target	Annotation
1	0.0	0.00	0.00	0.00	0.0	0.0	0.00	0.00	0.00	0.0	
2	4800.0	0.00	0.00	0.00	0.0	0.0	0.00	0.00	0.00	0.0	
3	6197.0	7.88	389.53	6132.3	0.0	0.0	0.00	0.00	0.00	-102.8	
4	6886.4	7.88	389.53	6876.8	176.4	-1.5	0.00	0.00	0.00	-176.4	
5	7454.8	0.00	0.00	7453.0	227.8	-1.9	1.00	180.00	0.00	-227.8	
6	9111.9	0.00	0.00	9200.1	227.8	-1.9	0.00	0.00	0.00	-227.8	
7	10102.6	89.08	179.52	9773.0	-336.7	2.8	10.00	179.52	0.00	336.8	
8	11266.9	89.08	179.52	9732.0	-1499.9	12.6	0.00	0.00	0.00	1600.0	
9	11777.6	88.86	179.52	9792.2	-2898.8	26.2	0.00	0.00	0.00	3000.0	
10	12767.3	88.86	179.52	9822.0	-2898.8	26.2	0.00	0.00	0.00	3012.1	
11	12778.4	88.10	179.52	9822.2	-3012.0	26.3	2.00	0.00	0.00	3012.1	
12	14338.7	88.10	179.52	9860.0	-4771.0	40.0	0.00	0.00	0.00	4771.2	
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)											
Name	TYD	+N/-S	+E/-W	Chng	Trfcs	Vert	Target	Annotation			
TOTR1 (Wicked 17 State Com #301H)	9792.0	-1499.9	12.6	0.00	0.00	0.00	0.00				
TOTR2 (Wicked 17 State Com #301H)	9822.0	-2998.9	26.2	0.00	0.00	0.00	0.00				
PBHL (Wicked 17 State Com #301H)	9860.0	-4771.0	40.0	0.00	0.00	0.00	0.00				
PBHL (Wicked 17 State Com #301H)	9773.0	-40.0	0.0	0.00	0.00	0.00	0.00				
Nothing	79428.60	13.6	478681.10	794038.16	0.0	0.00	0.00				
Nothing	794038.16	26.2	478161.10	794038.16	0.0	0.00	0.00				
Nothing	794038.16	40.0	473390.00	794038.16	0.0	0.00	0.00				
Nothing	794038.16	0.0	478111.00	794038.16	0.0	0.00	0.00				





HOBB
JUN 30 2017
RECEIVED

EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Wicked 17 State Com

#301H

OH

Design: OH

PVA

27 April, 2017



EOG Resources, Inc.

PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #301H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 25' @ 3426.0usft (H&P 620)
Site:	Wicked 17 State Com	MD Reference:	KB = 25' @ 3426.0usft (H&P 620)
Well:	#301H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Project	Lea County, NM (NAD 27 NME)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Wicked 17 State Com		
Site Position:		Northing:	478,161.00 usft
From:	Map	Easting:	794,014.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 18' 39.574 N
		Longitude:	103° 22' 54.039 W
		Grid Convergence:	0.51 °

Well	#301H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Latitude:	32° 18' 39.574 N
		Longitude:	103° 22' 54.039 W
		Ground Level:	3,401.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	4/5/2017	6.89
			60.18
			48,031

Design	OH		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			179.52

Survey Program	Date 4/27/2017		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
141.0	14,585.0	Intrepid MWD #1 (OH)	MWD
			MWD - Standard



EOG Resources, Inc.

PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Wicked 17 State Com
Well: #301H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #301H
TVD Reference: KB = 25' @ 3426.0usft (H&P 620)
MD Reference: KB = 25' @ 3426.0usft (H&P 620)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (grid_north_azim)	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
141.0	0.70	296.80	141.0	0.4	-0.8	0.50	0.50	0.00	-0.9	0.0
265.0	0.70	275.30	265.0	0.8	-2.2	0.21	0.00	-17.34	-2.3	-0.6
382.0	1.00	267.50	382.0	0.8	-3.9	0.27	0.26	-6.67	-3.9	-1.0
536.0	0.80	273.90	536.0	0.8	-6.3	0.15	-0.13	4.16	-6.4	-0.4
689.0	0.70	270.70	688.9	0.9	-8.3	0.07	-0.07	-2.09	-8.4	-0.8
874.0	0.40	239.00	873.9	0.6	-10.0	0.23	-0.16	-17.14	-8.3	-5.7
1,060.0	0.50	315.70	1,059.9	0.8	-11.2	0.30	0.05	41.24	-8.4	7.4
1,244.0	0.10	255.10	1,243.9	1.4	-11.9	0.25	-0.22	-32.93	-11.1	-4.4
1,431.0	0.10	35.20	1,430.9	1.5	-11.9	0.10	0.00	74.92	5.7	10.6
1,617.0	0.20	147.80	1,616.9	1.3	-11.7	0.14	0.05	60.54	7.3	-9.2
1,688.0	0.20	147.60	1,687.9	1.1	-11.5	0.00	0.00	-0.28	7.1	-9.1
1,842.0	0.20	309.10	1,841.9	1.1	-11.6	0.26	0.00	104.87	-9.7	6.5
2,029.0	1.20	348.30	2,028.9	3.2	-12.2	0.56	0.53	20.96	-5.6	11.3
2,217.0	1.30	352.70	2,216.9	7.2	-12.9	0.07	0.05	2.34	-8.8	11.9
2,405.0	1.80	355.00	2,404.8	12.3	-13.4	0.27	0.27	1.22	-13.4	12.3
2,593.0	1.40	353.30	2,592.7	17.5	-14.0	0.21	-0.21	-0.90	-19.0	11.8
2,781.0	1.10	348.40	2,780.7	21.6	-14.6	0.17	-0.16	-2.61	-24.1	10.0
2,969.0	1.80	351.10	2,968.6	26.2	-15.4	0.37	0.37	1.44	-28.3	11.2
3,156.0	1.70	359.20	3,155.5	31.9	-15.9	0.14	-0.05	4.33	-32.1	15.5
3,344.0	2.90	2.10	3,343.4	39.5	-15.8	0.64	0.64	1.54	-38.8	17.2
3,532.0	3.30	5.40	3,531.1	49.6	-15.1	0.23	0.21	1.76	-47.9	19.7
3,719.0	3.20	12.70	3,717.8	60.0	-13.4	0.23	-0.05	3.90	-55.6	26.3
3,907.0	2.90	0.30	3,905.5	69.9	-12.3	0.38	-0.16	-6.60	-69.9	12.6
4,095.0	2.60	358.20	4,093.3	78.9	-12.4	0.17	-0.16	-1.12	-79.3	9.9
4,283.0	2.20	359.60	4,281.2	86.8	-12.5	0.22	-0.21	0.74	-86.9	11.9
4,470.0	1.80	2.30	4,468.0	93.3	-12.4	0.22	-0.21	1.44	-92.8	16.2



EOG Resources, Inc.

PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 27 NME)
 Site: Wicked 17 State Com
 Well: #301H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #301H
 TVD Reference: KB = 25' @ 3426.0usft (H&P 620)
 MD Reference: KB = 25' @ 3426.0usft (H&P 620)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
4,658.0	2.10	2.50	4,655.9	99.7	-12.2	0.16	0.16	0.11	-99.0	16.5
4,845.0	3.60	354.10	4,842.7	109.0	-12.6	0.83	0.80	-4.49	-107.1	1.6
5,033.0	3.90	356.00	5,030.3	121.2	-13.7	0.17	0.16	1.01	-113.7	5.7
5,221.0	4.00	359.10	5,217.8	134.2	-14.2	0.13	0.05	1.65	-117.5	12.2
5,408.0	4.20	359.20	5,404.4	147.5	-14.4	0.11	0.11	0.05	-119.2	12.5
5,576.0	4.20	357.80	5,571.9	159.8	-14.7	0.06	0.00	-0.83	-118.6	9.9
5,733.0	4.10	4.00	5,728.5	171.2	-14.6	0.29	-0.06	3.95	-113.7	22.1
5,920.0	3.60	3.30	5,915.1	183.7	-13.8	0.27	-0.27	-0.37	-106.4	19.3
6,108.0	2.90	357.90	6,102.8	194.4	-13.6	0.41	-0.37	-2.87	-95.0	9.4
6,296.0	2.60	16.00	6,290.6	203.2	-12.6	0.49	-0.16	9.63	-72.0	32.6
6,483.0	2.50	18.90	6,477.4	211.1	-10.1	0.09	-0.05	1.55	-55.0	28.1
6,671.0	2.20	19.00	6,665.2	218.4	-7.6	0.16	-0.16	0.05	-38.9	19.9
6,859.0	1.90	20.50	6,853.1	224.8	-5.3	0.16	-0.16	0.80	-24.2	13.0
7,047.0	1.70	17.40	7,041.0	230.3	-3.4	0.12	-0.11	-1.65	-15.3	6.5
7,235.0	1.10	52.00	7,229.0	234.1	-1.2	0.54	-0.32	18.40	-6.9	7.7
7,423.0	1.10	55.50	7,416.9	236.3	1.7	0.04	0.00	1.86	-7.8	4.9
7,610.0	0.70	149.30	7,603.9	236.3	3.8	0.72	-0.21	50.16	4.4	9.2
7,797.0	0.90	129.30	7,790.9	234.4	5.5	0.18	0.11	-10.70	-1.6	9.8
7,985.0	0.40	175.80	7,978.9	232.8	6.7	0.37	-0.27	24.73	4.3	8.9
8,173.0	0.40	116.90	8,166.9	231.8	7.4	0.21	0.00	-31.33	-6.4	7.7
8,361.0	0.50	113.40	8,354.9	231.2	8.7	0.06	0.05	-1.86	-8.4	7.3
8,549.0	0.60	106.00	8,542.9	230.6	10.4	0.07	0.05	-3.94	-11.0	6.1
8,668.0	0.40	103.70	8,661.9	230.3	11.4	0.17	-0.17	-1.93	-12.3	5.6
8,856.0	1.70	92.70	8,849.8	230.1	14.8	0.70	0.69	-5.85	-16.6	3.0
9,043.0	5.50	87.60	9,036.4	230.3	26.5	2.04	2.03	-2.73	-28.5	1.3
9,135.0	5.20	86.70	9,128.0	230.7	35.1	0.34	-0.33	-0.98	-37.1	0.8
9,181.0	4.80	95.00	9,173.8	230.7	39.1	1.79	-0.87	18.04	-40.6	6.4



EOG Resources, Inc.

PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 27 NME)
 Site: Wicked 17 State Com
 Well: #301H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference:
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:
 Database:

Well #301H
 KB = 25' @ 3426.0usft (H&P 620)
 KB = 25' @ 3426.0usft (H&P 620)
 Grid
 Minimum Curvature
 EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
9,229.0	7.60	138.90	9,221.6	228.1	43.2	11.06	5.83	91.46	-29.0	34.5	
9,275.0	10.60	111.60	9,267.0	224.3	49.1	11.26	6.52	-59.35	-47.2	19.4	
9,323.0	13.10	133.40	9,314.0	218.9	57.2	10.59	5.21	45.42	-40.6	42.9	
9,369.0	16.80	157.10	9,358.5	209.2	63.6	15.38	8.04	51.52	-21.2	61.8	
9,417.0	20.70	173.90	9,404.0	194.3	67.2	13.80	8.12	35.00	-3.1	68.8	
9,463.0	26.50	188.20	9,446.1	176.1	66.6	17.64	12.61	31.09	12.0	67.0	
9,511.0	30.70	195.00	9,488.3	153.6	61.9	11.06	8.75	14.17	17.2	60.8	
9,557.0	33.10	197.00	9,527.3	130.3	55.2	5.70	5.22	4.35	18.0	53.4	
9,604.0	37.10	196.20	9,565.8	104.4	47.5	8.57	8.51	-1.70	17.3	45.5	
9,650.0	42.90	199.60	9,601.0	76.3	38.3	13.47	12.61	7.39	18.4	35.3	
9,699.0	46.50	200.00	9,635.8	43.8	26.7	7.37	7.35	0.82	17.5	23.3	
9,745.0	49.80	200.80	9,666.5	11.7	14.7	7.29	7.17	1.74	17.5	10.7	
9,793.0	52.50	197.70	9,696.6	-23.6	2.4	7.54	5.62	-6.46	18.7	-1.1	
9,839.0	56.10	199.50	9,723.5	-59.0	-9.5	8.45	7.83	3.91	21.7	-13.6	
9,886.0	61.70	200.30	9,747.7	-96.8	-23.2	12.00	11.91	1.70	24.9	-27.7	
9,928.0	67.90	198.70	9,765.6	-132.6	-35.9	15.16	14.76	-3.81	27.4	-40.0	
9,982.0	73.90	192.40	9,783.3	-181.7	-49.5	15.65	11.11	-11.67	30.1	-52.7	
10,013.0	74.50	188.00	9,791.7	-211.1	-54.8	13.79	1.94	-14.19	31.8	-57.7	
10,047.0	75.80	183.60	9,800.4	-243.7	-58.1	13.08	3.82	-12.94	35.0	-60.8	
10,076.0	78.50	181.30	9,806.9	-272.0	-59.3	12.10	9.31	-7.93	37.9	-61.9	
10,108.0	81.30	180.70	9,812.5	-303.5	-59.9	8.94	8.75	-1.87	40.6	-62.6	
10,139.0	81.30	180.60	9,817.2	-334.1	-60.2	0.32	0.00	-0.32	44.0	-63.2	
10,170.0	81.10	180.60	9,821.9	-364.8	-60.5	0.65	-0.65	0.00	48.1	-63.9	
10,217.0	80.40	180.30	9,829.5	-411.1	-60.9	1.62	-1.49	-0.64	54.8	-64.7	
10,264.0	79.90	177.90	9,837.5	-457.4	-60.2	5.14	-1.06	-5.11	62.3	-64.2	
10,311.0	80.00	176.90	9,845.7	-503.7	-58.1	2.11	0.21	-2.13	69.9	-62.4	
10,358.0	80.70	176.80	9,853.6	-549.9	-55.5	1.50	1.49	-0.21	77.1	-60.2	



EOG Resources, Inc.

PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Wicked 17 State Com
Well: #301H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #301H
TVD Reference: KB = 25' @ 3426.0usft (H&P 620)
MD Reference: KB = 25' @ 3426.0usft (H&P 620)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
10,405.0	85.60	176.40	9,859.2	-596.5	-52.7	10.46	10.43	-0.85	82.1	-57.6
10,452.0	87.90	176.20	9,861.9	-643.3	-49.7	4.91	4.89	-0.43	84.0	-55.0
10,546.0	93.10	175.90	9,861.1	-737.1	-43.2	5.54	5.53	-0.32	81.5	-49.5
10,639.0	89.20	175.90	9,859.2	-829.8	-36.6	4.19	-4.19	0.00	78.2	-43.4
10,733.0	86.70	176.90	9,862.6	-923.5	-30.7	2.86	-2.66	1.06	80.0	-38.4
10,827.0	86.50	176.50	9,868.1	-1,017.2	-25.3	0.48	-0.21	-0.43	84.1	-33.7
10,921.0	88.90	176.40	9,871.9	-1,111.0	-19.5	2.56	2.55	-0.11	86.3	-28.7
11,015.0	88.10	175.70	9,874.4	-1,204.7	-13.0	1.13	-0.85	-0.74	87.2	-23.0
11,109.0	88.70	174.70	9,877.0	-1,298.3	-5.2	1.24	0.64	-1.06	88.3	-15.9
11,203.0	91.30	177.20	9,877.0	-1,392.1	1.5	3.84	2.77	2.66	86.7	-10.1
11,297.0	91.10	179.30	9,875.0	-1,486.0	4.4	2.24	-0.21	2.23	83.2	-8.1
11,390.0	89.00	179.20	9,874.9	-1,579.0	5.6	2.26	-2.26	-0.11	81.4	-7.7
11,484.0	86.90	178.70	9,878.3	-1,672.9	7.3	2.30	-2.23	-0.53	82.8	-6.7
11,578.0	86.70	178.50	9,883.6	-1,766.7	9.6	0.30	-0.21	-0.21	86.2	-5.2
11,672.0	88.60	178.10	9,887.4	-1,860.6	12.4	2.07	2.02	-0.43	88.2	-3.2
11,765.0	88.20	178.50	9,890.0	-1,953.5	15.1	0.61	-0.43	0.43	88.9	-1.2
11,859.0	87.60	179.20	9,893.4	-2,047.5	17.0	0.98	-0.64	0.74	90.5	-0.2
11,953.0	86.30	179.80	9,898.4	-2,141.3	17.8	1.52	-1.38	0.64	93.6	-0.1
12,046.0	87.00	179.20	9,903.9	-2,234.2	18.6	0.99	0.75	-0.65	97.2	-0.1
12,140.0	87.60	178.10	9,908.3	-2,328.0	20.9	1.33	0.64	-1.17	99.7	1.4
12,234.0	89.70	177.80	9,910.5	-2,421.9	24.2	2.26	2.23	-0.32	100.1	4.0
12,327.0	90.20	179.90	9,910.6	-2,514.9	26.1	2.32	0.54	2.26	98.3	5.0
12,421.0	91.00	181.00	9,909.6	-2,608.9	25.3	1.45	0.85	1.17	95.4	3.4
12,514.0	88.60	180.20	9,909.9	-2,701.9	24.4	2.72	-2.58	-0.86	93.9	1.7
12,608.0	88.60	180.50	9,912.2	-2,795.9	23.8	0.32	0.00	0.32	94.3	0.3
12,702.0	88.70	180.80	9,914.5	-2,889.8	22.7	0.34	0.11	0.32	94.6	-1.5
12,796.0	88.90	181.10	9,916.4	-2,983.8	21.2	0.38	0.21	0.32	94.7	-3.9



EOG Resources, Inc.

PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Wicked 17 State Com
Well: #301H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #301H
TVD Reference: KB = 25' @ 3426.0usft (H&P 620)
MD Reference: KB = 25' @ 3426.0usft (H&P 620)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
12,890.0	87.00	181.00	9,919.8	-3,077.7	19.5	2.02	-2.02	-0.11	96.5	-6.4
12,984.0	91.50	180.40	9,921.0	-3,171.7	18.3	4.83	4.79	-0.64	96.3	-8.3
13,078.0	92.10	180.80	9,918.1	-3,265.6	17.3	0.77	0.64	0.43	91.8	-10.1
13,172.0	90.50	180.80	9,915.9	-3,359.6	16.0	1.70	-1.70	0.00	88.2	-12.2
13,266.0	88.90	179.70	9,916.4	-3,453.6	15.6	2.07	-1.70	-1.17	87.2	-13.4
13,360.0	89.80	179.20	9,917.5	-3,547.6	16.5	1.10	0.96	-0.53	86.8	-13.2
13,453.0	91.00	179.40	9,916.8	-3,640.5	17.6	1.31	1.29	0.22	84.7	-12.9
13,547.0	91.30	179.50	9,915.0	-3,734.5	18.5	0.34	0.32	0.11	81.3	-12.8
13,641.0	91.30	179.60	9,912.8	-3,828.5	19.3	0.11	0.00	0.11	77.7	-12.8
13,735.0	91.20	179.50	9,910.8	-3,922.5	20.0	0.15	-0.11	-0.11	74.2	-12.9
13,829.0	91.90	180.40	9,908.2	-4,016.4	20.1	1.21	0.74	0.96	70.1	-13.6
13,923.0	90.50	181.40	9,906.3	-4,110.4	18.6	1.83	-1.49	1.06	66.7	-15.9
14,017.0	89.90	181.60	9,905.9	-4,204.4	16.2	0.67	-0.64	0.21	64.9	-19.1
14,110.0	87.40	180.80	9,908.1	-4,297.3	14.2	2.82	-2.69	-0.86	65.6	-21.8
14,204.0	88.20	180.20	9,911.7	-4,391.2	13.4	1.06	0.85	-0.64	67.7	-23.4
14,298.0	88.40	177.80	9,914.5	-4,485.2	15.0	2.56	0.21	-2.55	69.0	-22.5
14,392.0	90.20	176.70	9,915.7	-4,579.1	19.5	2.24	1.91	-1.17	68.7	-18.8
14,485.0	89.10	176.40	9,916.2	-4,671.9	25.1	1.23	-1.18	-0.32	67.8	-13.9
14,531.0	89.20	176.50	9,916.9	-4,717.8	28.0	0.31	0.22	0.22	67.8	-11.5
Last MWD Survey										
14,585.0	89.20	176.50	9,917.7	-4,771.7	31.3	0.00	0.00	0.00	67.7	-8.7
Projection To Bit										



EOG Resources, Inc.

PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Wicked 17 State Com
Well: #301H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #301H
TVD Reference: KB = 25' @ 3426.0usft (H&P 620)
MD Reference: KB = 25' @ 3426.0usft (H&P 620)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
14,531.0	9,916.9	-4,717.8	28.0	Last MWD Survey
14,585.0	9,917.7	-4,771.7	31.3	Projection To Bit

Checked By: _____ Approved By: _____ Date: _____