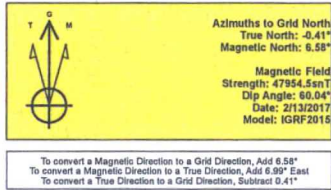


Y:\SURVEY\EOG_MIDLAND\CONVOY_28_STATE\FINAL_PRODUCTS\SWD CONVOY 28 STATE COM 501H.DWG 6/8/2017 7:08:22 AM eechoa



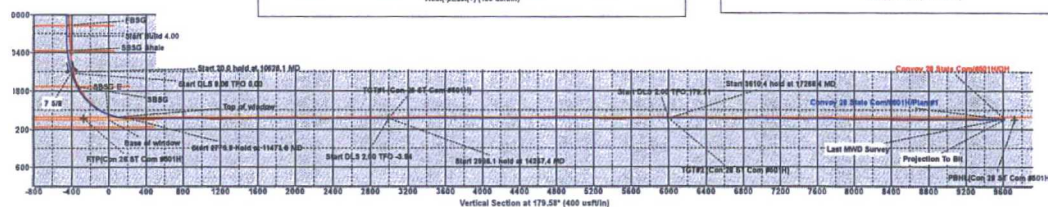
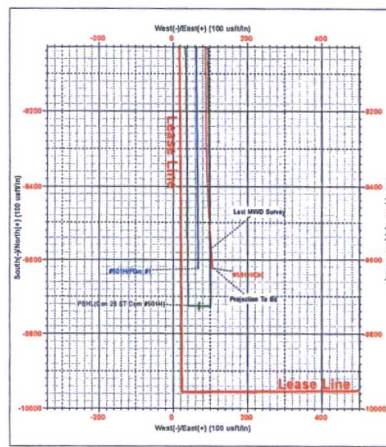
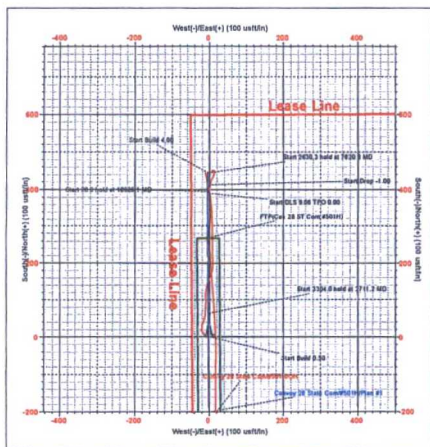
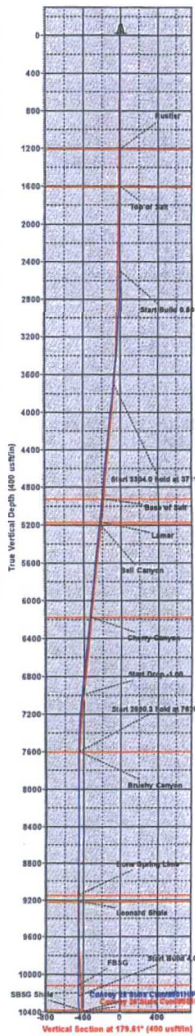
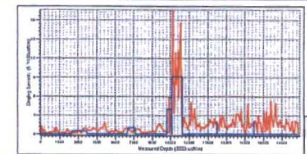
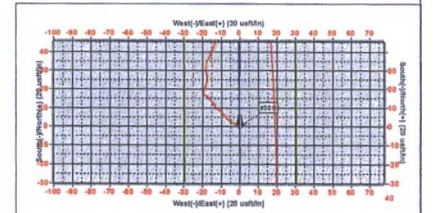
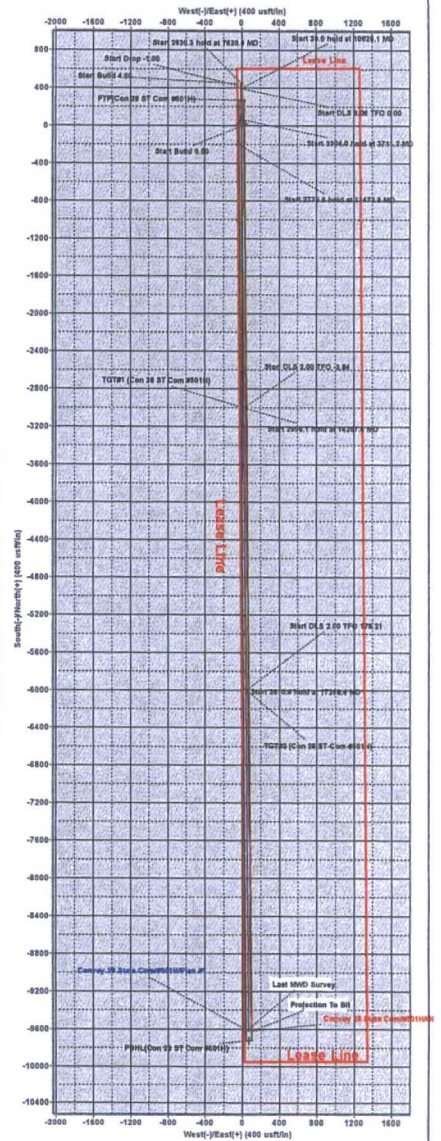
PROJECT DETAILS: Lea County, NM (NAD 27 NME)

Geodetic System:	US State Plane 1927 (Exact solution)
Datum:	NAD 1927 (NADCON CONUS)
Ellipsoid:	Clarke 1886
Zone:	New Mexico East 3001
System Datum:	Mean Sea Level

WELL DETAILS: #501H		
Ground Level:	3524.0	
KB = 25 @ 3549.0usft (H&P 621)		
Easting	Latitude	Longitude
735402.00	32° 11' 38.755 N	103° 34' 20.501 W

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	2500.0	0.00	0.00	2500.0	0.0	0.0	0.00	0.00	0.0	
3	3711.2	6.06	359.61	3709.0	64.0	-0.4	0.50	359.61	-64.0	
4	7015.2	6.06	359.61	6994.5	412.5	-2.8	0.00	0.00	-412.5	
5	7620.8	0.00	0.00	7599.0	444.5	-3.0	1.00	180.00	-444.5	
6	10251.1	0.00	0.00	10229.3	444.5	-3.0	0.00	0.00	-444.5	
7	10626.1	15.00	179.58	10600.0	395.7	-2.6	4.00	179.58	-395.7	
8	10646.1	15.00	179.58	10619.3	390.5	-2.6	0.00	0.00	-390.5	
9	11473.8	90.00	179.58	11088.0	-220.2	1.9	9.06	0.00	220.2	
10	14253.5	90.00	179.58	11088.0	-2999.9	22.2	0.00	0.00	3000.0	TGT#1 (Con 28 ST Com #501H)
11	14257.4	90.08	179.58	11088.0	-3003.7	22.2	2.00	-3.84	3003.8	
12	17253.5	90.08	179.58	11084.0	-5999.8	44.4	0.00	0.00	6000.0	TGT#2 (Con 28 ST Com #501H)
13	17268.4	89.78	179.58	11084.0	-6014.7	44.5	2.00	179.21	6014.9	
14	20878.9	89.78	179.58	11098.0	-9625.0	71.0	0.00	0.00	9625.3	PBHL(Con 28 ST Com #501H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)					
Name	TVD	+N/-S	+E/-W	Northing	Easting
TOTW2 (Con 28 ST Com #501H)	11084.0	-8999.8	44.4	429168.20	735448.61
T1TRC (Con 28 ST Com #501H)	11088.0	-8999.8	44.4	429168.20	735448.60
TGTW1 (Con 28 ST Com #501H)	11098.0	-2999.9	22.2	432166.10	735424.20
PBHL(Con 28 ST Com #501H)	11098.0	-8725.0	72.0	425441.00	735474.00





EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Convoy 28 State Com

#501H

OH

Design: OH

PVA

12 May, 2017

HOBBS OCD
JUL 03 2017
RECEIVED



EOG Resources, Inc.

PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 27 NME)
 Site: Convoy 28 State Com
 Well: #501H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #501H
 TVD Reference: KB = 25 @ 3549.0usft (H&P 621)
 MD Reference: KB = 25 @ 3549.0usft (H&P 621)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.1 Single User Db

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

Site: Convoy 28 State Com
 Site Position: Northing: 435,166.00 usft Latitude: 32° 11' 38.755 N
 From: Map Easting: 735,402.00 usft Longitude: 103° 34' 20.501 W
 Position Uncertainty: 0.0 usft Slot Radius: 13-3/16 " Grid Convergence: 0.41 °

Well: #501H
 Well Position: +N/-S 0.0 usft Northing: 435,166.00 usft Latitude: 32° 11' 38.755 N
 +E/-W 0.0 usft Easting: 735,402.00 usft Longitude: 103° 34' 20.501 W
 Position Uncertainty: 0.0 usft Wellhead Elevation: 0.0 usft Ground Level: 3,524.0 usft

Wellbore: OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	2/13/2017	6.99	60.04	47,955

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	179.58



EOG Resources, Inc.

PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 27 NME)
 Site: Convoy 28 State Com
 Well: #501H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #501H
 TVD Reference: KB = 25 @ 3549.0usft (H&P 621)
 MD Reference: KB = 25 @ 3549.0usft (H&P 621)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.1 Single User Db

Survey Program Date 5/12/2017

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
82.5	1,305.5	Wildfire #1 (OH)	MWD	MWD - Standard
1,441.0	20,868.0	Intrepid MWD #1 (OH)	MWD	MWD - Standard

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
82.5	0.50	305.88	82.5	0.2	-0.3	0.61	0.61	0.00	-0.4	0.0
103.5	0.30	282.88	103.5	0.3	-0.4	1.20	-0.95	-109.52	-0.5	-0.2
190.5	0.40	293.88	190.5	0.5	-0.9	0.14	0.11	12.64	-1.0	0.0
218.5	0.60	299.88	218.5	0.6	-1.1	0.74	0.71	21.43	-1.3	0.1
246.5	0.70	286.88	246.5	0.7	-1.4	0.63	0.36	-46.43	-1.6	-0.2
275.5	0.60	286.88	275.5	0.8	-1.7	0.34	-0.34	0.00	-1.9	-0.2
305.5	0.70	289.88	305.5	0.9	-2.1	0.35	0.33	10.00	-2.2	-0.1
334.5	0.50	285.88	334.5	1.0	-2.4	0.70	-0.69	-13.79	-2.5	-0.3
430.5	0.50	301.88	430.5	1.3	-3.1	0.14	0.00	16.67	-3.3	0.5
462.5	0.50	296.88	462.5	1.5	-3.4	0.14	0.00	-15.62	-3.7	0.2
525.5	0.50	290.88	525.5	1.7	-3.9	0.08	0.00	-9.52	-4.2	-0.2
681.5	0.70	314.88	681.5	2.6	-5.2	0.20	0.13	15.38	-5.5	1.8
712.5	0.80	313.88	712.5	2.9	-5.5	0.33	0.32	-3.23	-5.9	1.7
806.5	0.90	314.88	806.5	3.9	-6.5	0.11	0.11	1.06	-7.3	1.8
899.5	1.20	315.88	899.4	5.1	-7.6	0.32	0.32	1.08	-9.0	2.0
993.5	0.90	325.88	993.4	6.4	-8.7	0.37	-0.32	10.64	-10.2	3.7
1,086.5	0.70	313.88	1,086.4	7.4	-9.6	0.28	-0.22	-12.90	-12.0	1.3
1,117.5	0.60	321.88	1,117.4	7.6	-9.8	0.43	-0.32	25.81	-12.1	3.0
1,148.5	0.80	305.88	1,148.4	7.9	-10.1	0.90	0.65	-51.61	-12.8	-0.5
1,179.5	0.80	310.88	1,179.4	8.2	-10.4	0.23	0.00	16.13	-13.2	0.6



EOG Resources, Inc.

PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Convoy 28 State Com
Well: #501H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #501H
TVD Reference: KB = 25 @ 3549.0usft (H&P 621)
MD Reference: KB = 25 @ 3549.0usft (H&P 621)
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)	
1,241.5	0.80	296.88	1,241.4	8.6	-11.1	0.31	0.00	-22.58	-13.8	-2.7	
1,273.5	0.80	319.88	1,273.4	8.9	-11.5	1.00	0.00	71.87	-14.2	3.0	
1,305.5	1.00	309.88	1,305.4	9.3	-11.8	0.79	0.62	-31.25	-15.0	0.5	
1,441.0	1.10	327.60	1,440.9	11.1	-13.4	0.25	0.07	13.08	-16.6	5.4	
1,628.0	1.10	322.70	1,627.8	14.1	-15.5	0.05	0.00	-2.62	-20.6	3.8	
1,816.0	0.60	305.20	1,815.8	16.1	-17.4	0.30	-0.27	-9.31	-23.5	-3.1	
2,004.0	0.60	280.40	2,003.8	16.8	-19.2	0.14	0.00	-13.19	-21.9	-13.1	
2,191.0	1.10	25.30	2,190.8	18.6	-19.4	0.74	0.27	56.10	-8.6	25.5	
2,378.0	0.90	22.50	2,377.8	21.6	-18.0	0.11	-0.11	-1.50	-13.1	24.9	
2,564.0	0.60	13.70	2,563.8	23.9	-17.2	0.17	-0.16	-4.73	-19.0	22.4	
2,751.0	1.00	355.40	2,750.7	26.5	-17.1	0.25	0.21	-9.79	-25.0	15.2	
2,938.0	1.30	340.20	2,937.7	30.1	-18.0	0.23	0.16	-8.13	-26.5	9.5	
3,125.0	1.40	27.70	3,124.7	34.1	-17.6	0.58	0.05	25.40	-6.9	23.4	
3,312.0	1.60	24.80	3,311.6	38.5	-15.5	0.11	0.11	-1.55	-2.4	17.9	
3,499.0	3.20	21.90	3,498.4	45.7	-12.4	0.86	0.86	-1.55	2.5	12.1	
3,685.0	4.60	7.30	3,684.0	57.9	-9.6	0.92	0.75	-7.85	4.5	8.6	
3,872.0	5.50	2.90	3,870.3	74.3	-8.2	0.52	0.48	-2.35	7.1	7.3	
4,059.0	6.40	0.70	4,056.2	93.7	-7.6	0.50	0.48	-1.18	7.1	6.8	
4,247.0	4.80	355.50	4,243.3	112.0	-8.1	0.89	-0.85	-2.77	8.0	7.9	
4,432.0	5.10	13.90	4,427.7	127.7	-6.7	0.87	0.16	9.95	13.4	2.6	
4,619.0	5.70	11.90	4,613.8	144.9	-2.8	0.34	0.32	-1.07	15.0	-1.4	
4,806.0	6.60	23.90	4,799.8	163.8	3.5	0.84	0.48	6.42	12.6	-10.7	
4,992.0	5.10	16.80	4,984.8	181.5	10.2	0.89	-0.81	-3.82	13.7	-16.2	
5,179.0	7.60	356.00	5,170.7	201.8	11.8	1.80	1.34	-11.12	18.0	-12.0	
5,367.0	7.00	359.70	5,357.1	225.6	10.8	0.41	-0.32	1.97	13.2	-12.4	
5,554.0	6.80	357.90	5,542.8	248.1	10.4	0.16	-0.11	-0.96	10.8	-11.7	
5,741.0	6.10	4.40	5,728.6	269.1	10.7	0.54	-0.37	3.48	8.1	-13.3	



EOG Resources, Inc.

PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Convoy 28 State Com
Well: #501H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #501H
TVD Reference: KB = 25 @ 3549.0usft (H&P 621)
MD Reference: KB = 25 @ 3549.0usft (H&P 621)
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)
5,928.0	6.20	0.30	5,914.5	289.1	11.5	0.24	0.05	-2.19	8.8	-13.6
6,115.0	5.10	355.10	6,100.6	307.4	10.9	0.65	-0.59	-2.78	11.3	-12.1
6,301.0	5.50	357.60	6,285.8	324.6	9.8	0.25	0.22	1.34	13.2	-11.5
6,489.0	6.00	355.80	6,472.9	343.4	8.7	0.28	0.27	-0.96	14.5	-10.1
6,676.0	5.50	355.20	6,658.9	362.1	7.2	0.27	-0.27	-0.32	15.5	-8.5
6,862.0	6.90	347.50	6,843.8	381.8	4.1	0.87	0.75	-4.14	15.7	-3.4
7,048.0	5.20	349.30	7,028.8	401.0	0.1	0.92	-0.91	0.97	15.2	-0.1
7,235.0	4.10	348.30	7,215.2	415.9	-2.8	0.59	-0.59	-0.53	15.4	3.1
7,422.0	3.60	348.70	7,401.8	428.2	-5.4	0.27	-0.27	0.21	12.2	4.9
7,610.0	2.40	347.80	7,589.5	437.9	-7.3	0.64	-0.64	-0.48	5.6	5.6
7,798.0	1.20	325.80	7,777.4	443.3	-9.3	0.73	-0.64	-11.70	-2.6	5.9
7,985.0	0.50	75.30	7,964.4	445.2	-9.6	0.77	-0.37	58.56	6.2	2.3
8,174.0	0.70	100.50	8,153.4	445.2	-7.7	0.17	0.11	13.33	4.7	-0.2
8,359.0	0.90	71.80	8,338.4	445.4	-5.2	0.24	0.11	-15.51	1.8	1.5
8,546.0	1.00	85.30	8,525.3	446.0	-2.1	0.13	0.05	7.22	-1.0	1.4
8,733.0	1.60	87.40	8,712.3	446.2	2.1	0.32	0.32	1.12	-5.2	1.5
8,918.0	1.10	74.40	8,897.2	446.8	6.4	0.32	-0.27	-7.03	-9.7	-0.3
9,107.0	1.10	32.80	9,086.2	448.9	9.1	0.41	0.00	-22.01	-10.2	-7.8
9,293.0	1.00	12.80	9,272.2	451.9	10.4	0.20	-0.05	-10.75	-10.2	-11.5
9,480.0	1.90	120.20	9,459.1	452.0	13.5	1.28	0.48	57.43	-10.5	14.7
9,666.0	3.20	187.00	9,645.0	445.3	15.5	1.62	0.70	35.91	3.0	18.3
9,852.0	4.30	206.70	9,830.6	433.9	11.7	0.90	0.59	10.59	-2.9	17.9
10,038.0	3.50	201.60	10,016.2	422.4	6.5	0.47	-0.43	-2.74	-17.1	17.0
10,225.0	2.90	195.20	10,202.9	412.5	3.2	0.37	-0.32	-3.42	-29.3	14.4
10,412.0	2.80	186.70	10,389.6	403.4	1.4	0.23	-0.05	-4.55	-31.2	8.0
10,457.0	5.40	181.00	10,434.5	400.2	1.2	5.84	5.78	-12.67	-29.1	4.6
10,505.0	7.90	173.90	10,482.2	394.6	1.6	5.47	5.21	-14.79	-27.2	1.5



EOG Resources, Inc.

PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Convoy 28 State Com
Well: #501H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #501H
TVD Reference: KB = 25 @ 3549.0usft (H&P 621)
MD Reference: KB = 25 @ 3549.0usft (H&P 621)
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)
10,549.0	8.30	170.60	10,525.7	388.5	2.4	1.39	0.91	-7.50	-24.9	1.2
10,647.0	11.10	175.70	10,622.3	372.1	4.3	2.99	2.86	5.20	-17.4	5.6
10,695.0	17.20	175.90	10,668.9	360.4	5.1	12.71	12.71	0.42	-14.2	6.7
10,740.0	25.80	180.10	10,710.7	344.0	5.6	19.40	19.11	9.33	-13.1	7.9
10,789.0	31.30	183.70	10,753.7	320.6	4.7	11.76	11.22	7.35	-14.4	7.7
10,834.0	32.70	184.70	10,791.9	296.8	3.0	3.33	3.11	2.22	-15.2	6.0
10,882.0	34.20	181.80	10,831.9	270.4	1.5	4.57	3.12	-6.04	-13.9	3.7
10,927.0	38.90	177.40	10,868.1	243.6	1.7	11.95	10.44	-9.78	-11.7	2.9
10,974.0	44.50	174.00	10,903.2	212.5	4.1	12.85	11.91	-7.23	-10.2	4.7
11,019.0	48.00	173.90	10,934.3	180.1	7.6	7.78	7.78	-0.22	-8.9	8.0
11,067.0	51.70	176.20	10,965.2	143.6	10.7	8.53	7.71	4.79	-6.7	11.3
11,112.0	56.60	176.60	10,991.6	107.2	13.0	10.91	10.89	0.89	-4.7	13.4
11,161.0	62.90	175.90	11,016.2	65.0	15.8	12.92	12.86	-1.43	-3.9	15.9
11,206.0	65.40	176.60	11,035.9	24.6	18.4	5.73	5.56	1.56	-3.0	18.3
11,254.0	69.60	179.10	11,054.2	-19.7	20.1	9.99	8.75	5.21	-1.2	19.7
11,299.0	75.70	181.80	11,067.6	-62.6	19.7	14.71	13.56	6.00	-0.2	19.0
11,347.0	84.00	180.40	11,076.1	-109.8	18.8	17.53	17.29	-2.92	-2.1	17.7
11,441.0	85.90	178.30	11,084.4	-203.5	19.9	3.01	2.02	-2.23	-3.4	18.1
11,547.0	87.20	178.50	11,090.8	-309.2	22.8	1.24	1.23	0.19	2.7	20.3
11,641.0	89.00	180.30	11,093.9	-403.2	23.8	2.71	1.91	1.91	5.9	20.6
11,734.0	90.70	179.90	11,094.1	-496.2	23.6	1.88	1.83	-0.43	6.1	19.8
11,828.0	92.00	179.50	11,091.9	-590.1	24.1	1.45	1.38	-0.43	3.9	19.6
11,921.0	91.50	180.00	11,089.1	-683.1	24.5	0.76	-0.54	0.54	1.1	19.3
12,015.0	91.80	181.50	11,086.3	-777.0	23.3	1.63	0.32	1.60	-1.7	17.4
12,109.0	90.90	182.50	11,084.1	-870.9	20.0	1.43	-0.96	1.06	-3.9	13.4
12,203.0	86.40	183.70	11,086.3	-964.8	15.0	4.95	-4.79	1.28	-1.6	7.6
12,297.0	86.50	181.70	11,092.2	-1,058.5	10.5	2.13	0.11	-2.13	4.2	2.5



EOG Resources, Inc.

PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Convoy 28 State Com
Well: #501H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #501H
TVD Reference: KB = 25 @ 3549.0usft (H&P 621)
MD Reference: KB = 25 @ 3549.0usft (H&P 621)
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)
12,390.0	88.20	179.90	11,096.5	-1,151.4	9.2	2.66	1.83	-1.94	8.5	0.6
12,483.0	91.90	180.30	11,096.4	-1,244.3	9.1	4.00	3.98	0.43	8.4	-0.3
12,577.0	91.50	179.60	11,093.6	-1,338.3	9.2	0.86	-0.43	-0.74	5.6	-0.9
12,671.0	90.90	178.20	11,091.6	-1,432.3	11.0	1.62	-0.64	-1.49	3.6	0.2
12,764.0	90.20	177.40	11,090.7	-1,525.2	14.5	1.14	-0.75	-0.86	2.7	3.1
12,858.0	90.90	178.90	11,089.8	-1,619.1	17.6	1.76	0.74	1.60	1.8	5.5
12,951.0	91.00	178.40	11,088.3	-1,712.1	19.8	0.55	0.11	-0.54	0.3	7.0
13,044.0	91.20	179.40	11,086.5	-1,805.0	21.5	1.10	0.22	1.08	-1.5	8.1
13,138.0	90.20	179.10	11,085.4	-1,899.0	22.8	1.11	-1.06	-0.32	-2.6	8.6
13,231.0	89.80	178.50	11,085.4	-1,992.0	24.7	0.78	-0.43	-0.65	-2.6	9.9
13,325.0	89.20	179.40	11,086.2	-2,086.0	26.4	1.15	-0.64	0.96	-1.8	10.9
13,418.0	88.20	180.30	11,088.3	-2,179.0	26.7	1.45	-1.08	0.97	0.3	10.5
13,511.0	89.40	180.30	11,090.2	-2,271.9	26.2	1.29	1.29	0.00	2.2	9.3
13,604.0	90.10	179.00	11,090.6	-2,364.9	26.8	1.59	0.75	-1.40	2.6	9.2
13,697.0	91.90	177.80	11,089.0	-2,457.9	29.4	2.33	1.94	-1.29	1.0	11.1
13,790.0	92.40	179.40	11,085.5	-2,550.8	31.6	1.80	0.54	1.72	-2.5	12.7
13,883.0	90.60	179.80	11,083.1	-2,643.7	32.3	1.98	-1.94	0.43	-4.9	12.7
13,977.0	89.80	179.20	11,082.8	-2,737.7	33.1	1.06	-0.85	-0.64	-5.2	12.8
14,071.0	87.60	178.50	11,084.9	-2,831.7	35.0	2.46	-2.34	-0.74	-3.1	14.0
14,165.0	89.10	178.80	11,087.6	-2,925.6	37.2	1.63	1.60	0.32	-0.4	15.5
14,259.0	90.70	179.50	11,087.8	-3,019.6	38.6	1.86	1.70	0.74	-0.2	16.2
14,353.0	89.40	179.20	11,087.7	-3,113.6	39.7	1.42	-1.38	-0.32	-0.2	16.6
14,446.0	90.00	179.10	11,088.2	-3,206.6	41.0	0.65	0.65	-0.11	0.5	17.3
14,540.0	92.40	179.80	11,086.2	-3,300.6	41.9	2.66	2.55	0.74	-1.4	17.5
14,633.0	93.50	179.50	11,081.4	-3,393.4	42.5	1.23	1.18	-0.32	-6.0	17.4
14,726.0	91.40	181.30	11,077.4	-3,486.3	41.9	2.97	-2.26	1.94	-9.9	16.1
14,819.0	89.10	181.20	11,077.0	-3,579.3	39.8	2.48	-2.47	-0.11	-10.2	13.3



EOG Resources, Inc.

PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 27 NME)
 Site: Convoy 28 State Com
 Well: #501H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #501H
 TVD Reference: KB = 25 @ 3549.0usft (H&P 621)
 MD Reference: KB = 25 @ 3549.0usft (H&P 621)
 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)	
14,912.0	88.30	180.60	11,079.2	-3,672.3	38.4	1.08	-0.86	-0.65	-7.9	11.2	
15,005.0	89.50	180.10	11,080.9	-3,765.2	37.8	1.40	1.29	-0.54	-6.0	9.9	
15,099.0	89.30	179.50	11,081.9	-3,859.2	38.1	0.67	-0.21	-0.64	-4.9	9.6	
15,192.0	89.50	178.20	11,082.9	-3,952.2	40.0	1.41	0.22	-1.40	-3.8	10.7	
15,287.0	90.20	177.30	11,083.1	-4,047.1	43.7	1.20	0.74	-0.95	-3.5	13.8	
15,380.0	89.30	178.50	11,083.5	-4,140.1	47.1	1.61	-0.97	1.29	-2.9	16.5	
15,473.0	88.50	179.20	11,085.3	-4,233.0	49.0	1.14	-0.86	0.75	-1.0	17.7	
15,565.0	90.70	179.10	11,086.0	-4,325.0	50.4	2.39	2.39	-0.11	-0.3	18.4	
15,659.0	89.10	178.80	11,086.1	-4,419.0	52.1	1.73	-1.70	-0.32	0.0	19.4	
15,751.0	90.10	179.00	11,086.8	-4,511.0	53.9	1.11	1.09	0.22	0.8	20.5	
15,845.0	93.10	178.90	11,084.2	-4,604.9	55.6	3.19	3.19	-0.11	-1.7	21.5	
15,938.0	94.10	181.70	11,078.3	-4,697.7	55.1	3.19	1.08	3.01	-7.5	20.3	
16,042.0	91.30	183.10	11,073.4	-4,801.5	50.7	3.01	-2.69	1.35	-12.2	15.2	
16,135.0	89.40	182.80	11,072.9	-4,894.4	46.0	2.07	-2.04	-0.32	-12.6	9.7	
16,229.0	86.80	180.50	11,076.0	-4,988.3	43.2	3.69	-2.77	-2.45	-9.4	6.3	
16,323.0	86.70	179.30	11,081.3	-5,082.1	43.4	1.28	-0.11	-1.28	-3.9	5.8	
16,416.0	88.00	178.80	11,085.6	-5,175.0	45.0	1.50	1.40	-0.54	0.5	6.6	
16,510.0	87.60	178.80	11,089.2	-5,268.9	46.9	0.43	-0.43	0.00	4.2	7.9	
16,604.0	87.50	178.80	11,093.2	-5,362.8	48.9	0.11	-0.11	0.00	8.4	9.2	
16,697.0	88.70	179.00	11,096.3	-5,455.7	50.7	1.31	1.29	0.22	11.6	10.3	
16,790.0	92.90	180.10	11,095.0	-5,548.7	51.4	4.67	4.52	1.18	10.4	10.3	
16,883.0	91.90	179.80	11,091.1	-5,641.6	51.5	1.12	-1.08	-0.32	6.6	9.7	
16,977.0	91.00	179.60	11,088.7	-5,735.6	52.0	0.98	-0.96	-0.21	4.4	9.5	
17,070.0	89.80	178.50	11,088.1	-5,828.6	53.5	1.75	-1.29	-1.18	3.9	10.4	
17,164.0	91.10	178.30	11,087.3	-5,922.5	56.1	1.40	1.38	-0.21	3.3	12.3	
17,256.0	92.30	178.10	11,084.6	-6,014.4	59.0	1.32	1.30	-0.22	0.6	14.5	
17,350.0	91.10	179.70	11,081.8	-6,108.4	60.8	2.13	-1.28	1.70	-2.6	15.6	



EOG Resources, Inc.

PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Convoy 28 State Com
Well: #501H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #501H
TVD Reference: KB = 25 @ 3549.0usft (H&P 621)
MD Reference: KB = 25 @ 3549.0usft (H&P 621)
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)
17,443.0	89.30	179.90	11,081.5	-6,201.4	61.2	1.95	-1.94	0.22	-3.2	15.3
17,536.0	89.10	179.90	11,082.8	-6,294.4	61.3	0.22	-0.22	0.00	-2.3	14.7
17,629.0	86.70	178.70	11,086.2	-6,387.3	62.5	2.88	-2.58	-1.29	0.7	15.2
17,722.0	88.20	179.20	11,090.3	-6,480.2	64.2	1.70	1.61	0.54	4.5	16.2
17,816.0	90.00	179.40	11,091.8	-6,574.1	65.3	1.93	1.91	0.21	5.6	16.7
17,909.0	89.80	179.50	11,092.0	-6,667.1	66.2	0.24	-0.22	0.11	5.4	16.9
18,003.0	89.80	178.40	11,092.3	-6,761.1	67.9	1.17	0.00	-1.17	5.4	17.9
18,096.0	92.80	179.30	11,090.2	-6,854.1	69.8	3.37	3.23	0.97	2.9	19.1
18,189.0	92.40	179.50	11,086.0	-6,947.0	70.8	0.48	-0.43	0.22	-1.6	19.4
18,283.0	89.10	179.50	11,084.8	-7,040.9	71.6	3.51	-3.51	0.00	-3.2	19.5
18,377.0	89.50	180.10	11,085.9	-7,134.9	71.9	0.77	0.43	0.64	-2.4	19.2
18,470.0	86.80	180.30	11,086.9	-7,227.9	71.6	2.91	-2.90	0.22	0.2	18.2
18,564.0	86.90	180.10	11,094.1	-7,321.7	71.3	0.24	0.11	-0.21	5.0	17.1
18,658.0	91.30	178.00	11,095.5	-7,415.7	72.8	5.19	4.68	-2.23	6.1	18.0
18,751.0	93.20	176.50	11,091.9	-7,508.5	77.3	2.60	2.04	-1.61	2.2	21.8
18,845.0	92.00	176.60	11,087.6	-7,602.2	82.9	1.28	-1.28	0.11	-2.5	26.8
18,939.0	90.20	177.90	11,085.8	-7,696.1	87.4	2.36	-1.91	1.38	-4.7	30.6
19,033.0	86.10	179.90	11,086.9	-7,790.0	89.2	4.85	-4.36	2.13	-2.0	31.7
19,127.0	87.60	178.70	11,094.0	-7,883.9	90.4	2.04	1.60	-1.28	2.7	32.2
19,221.0	88.60	179.30	11,097.1	-7,977.8	92.0	1.24	1.06	0.64	5.5	33.1
19,315.0	88.60	181.00	11,099.4	-8,071.8	91.8	1.81	0.00	1.81	7.5	32.2
19,409.0	89.20	183.00	11,101.2	-8,165.7	88.5	2.22	0.64	2.13	8.9	28.2
19,503.0	89.80	182.20	11,102.1	-8,259.6	84.2	1.06	0.64	-0.85	9.4	23.2
19,596.0	89.10	181.10	11,103.0	-8,352.5	81.6	1.40	-0.75	-1.18	9.9	19.9
19,690.0	88.40	180.00	11,105.0	-8,446.5	80.7	1.39	-0.74	-1.17	11.6	18.3
19,783.0	87.80	180.20	11,108.1	-8,539.4	80.5	0.68	-0.65	0.22	14.3	17.5
19,876.0	90.00	180.60	11,109.9	-8,632.4	79.8	2.40	2.37	0.43	15.7	16.1



EOG Resources, Inc.

PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 27 NME)
 Site: Convoy 28 State Com
 Well: #501H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #501H
 TVD Reference: KB = 25 @ 3549.0usft (H&P 621)
 MD Reference: KB = 25 @ 3549.0usft (H&P 621)
 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)
19,969.0	90.70	179.20	11,109.3	-8,725.4	80.0	1.68	0.75	-1.51	14.8	15.6
20,063.0	91.10	177.60	11,107.8	-8,819.4	82.6	1.75	0.43	-1.70	13.0	17.5
20,157.0	90.40	178.10	11,106.6	-8,913.3	86.2	0.92	-0.74	0.53	11.4	20.4
20,251.0	90.90	177.90	11,105.5	-9,007.2	89.4	0.57	0.53	-0.21	9.9	23.0
20,345.0	90.20	179.70	11,104.6	-9,101.2	91.4	2.05	-0.74	1.91	8.7	24.2
20,439.0	90.60	179.80	11,104.0	-9,195.2	91.8	0.44	0.43	0.11	7.6	24.0
20,532.0	90.50	179.70	11,103.1	-9,288.2	92.2	0.15	-0.11	-0.11	6.4	23.7
20,626.0	89.80	177.80	11,102.8	-9,382.2	94.3	2.15	-0.74	-2.02	5.8	25.0
20,720.0	91.50	176.90	11,101.8	-9,476.0	98.6	2.05	1.81	-0.96	4.4	28.7
20,813.0	92.20	175.40	11,098.8	-9,568.8	104.9	1.78	0.75	-1.61	1.1	34.3
Last MWD Survey										
20,868.0	92.20	175.40	11,096.7	-9,623.6	109.3	0.00	0.00	0.00	-1.2	38.3
Projection To Bit										

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
20,813.0	11,098.8	-9,568.8	104.9	Last MWD Survey
20,868.0	11,096.7	-9,623.6	109.3	Projection To Bit

Checked By: _____ Approved By: _____ Date: _____