



PHOENIX
TECHNOLOGY SERVICES

April 13, 2018

Oil Conservation Division
State of New Mexico
1625 N. French Drive
Hobbs, New Mexico 88240

Dear District 1 - Hobbs

Re: EOG Resources
Bandit 29 State Com No 501H
Lea County, NM
API #30-025-44383
Job No. 62643

HOBBS OCD
APR 23 2018
RECEIVED

Enclosed please find the Survey Data Certification, and the original Plat and one copy of the Survey Report performed on the above referenced well by Phoenix Technology Services, Inc. Other information required by your office is as follows:

Name & Title of Surveyor	Drain Hole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Oscar Velasquez	501H	0	4,850	4/12/18	4/12/18	Gyro

A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Best Regards,

Brittany Carley

Brittany Carley
Operations Administrator

SURVEY CERTIFICATION FORM

3610 Elkins Road Midland, TX 79705 t:432-684-0057 f: 432-686-7964



Company: EOG

Job #: 62643

Well Name: Bandit 29 State Com No 501H

County/State: Lea Co., New Mexico

Survey Instrument Type: North Seek Rate Gyro

API # 30-025-44383

TIE-IN DATA

Measure Depth (ft)	Vertical Depth (ft)	Inclination (°)	Azimuth (°)	N-S Coordinates	E-W Coordinates	Data Source
0	0	0	0	0	0	Surface

First Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
2018-04-12	0	0	0

Last Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
2018-04-12	4850	3.77	135.92

Projected TD Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
0	0	0	0

Grid Correction
-0.4

Gyro Operator: Phoenix Technology Services USA Ltd.

Gyro Supervisor: Angel Guebara

To the best of my knowledge I certify this survey data to be correct and true

Date: 2018-04-12

Print Name: Oscar Velasquez

Signature: Oscar Velasquez



Company: EOG
 Well: Bandit 29 State Com No. 501H
 Location: Lea Co., New Mexico
 Rig: Mast

Job Number: 62643
 Grid Corr.: 0.40
 Lat: 32.19
 Long: -103.59

Date: 04-12-18
 Calculation Method: Minimum Curvature
 Proposed Azimuth: 176.92
 RKB - MSL in feet:
 Tie Into: Surface

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
Enter Tie-In Survey on Line 10													
FIELD COPY, NON-DEFINITIVE													
TIE IN	0			0	0	0	0	0					
Gyro	100.00	0.19	19.57	100	100.00	-0.15	0.16 N	0.06 E	0.17	19.57	0.19	0.19	19.57
	125.00	0.26	40.42	25	125.00	-0.23	0.24 N	0.11 E	0.26	24.01	0.43	0.28	83.40
	150.00	0.38	18.07	25	150.00	-0.35	0.36 N	0.17 E	0.40	25.08	0.68	0.48	-89.40
	175.00	0.45	10.50	25	175.00	-0.52	0.54 N	0.21 E	0.58	21.61	0.36	0.28	-30.28
	200.00	0.46	14.93	25	200.00	-0.71	0.73 N	0.26 E	0.77	19.35	0.15	0.04	17.72
	225.00	0.70	18.28	25	225.00	-0.95	0.97 N	0.33 E	1.03	18.76	0.97	0.96	13.40
	250.00	0.70	10.05	25	249.99	-1.24	1.27 N	0.40 E	1.33	17.70	0.40	0.00	-32.92
	275.00	0.82	15.14	25	274.99	-1.56	1.59 N	0.48 E	1.66	16.73	0.55	0.48	20.36
	300.00	1.14	16.48	25	299.99	-1.97	2.00 N	0.59 E	2.09	16.56	1.28	1.28	5.36
	325.00	1.51	14.66	25	324.98	-2.51	2.56 N	0.75 E	2.67	16.32	1.49	1.48	-7.28
	350.00	1.54	14.47	25	349.97	-3.15	3.20 N	0.92 E	3.33	15.97	0.12	0.12	-0.76
	375.00	1.75	16.79	25	374.96	-3.83	3.89 N	1.11 E	4.05	15.92	0.88	0.84	9.28
	400.00	2.21	14.31	25	399.95	-4.65	4.73 N	1.34 E	4.91	15.83	1.87	1.84	-9.92
	425.00	2.60	11.03	25	424.93	-5.66	5.75 N	1.57 E	5.96	15.25	1.65	1.56	-13.12
	450.00	2.92	13.82	25	449.90	-6.82	6.92 N	1.83 E	7.16	14.79	1.39	1.28	11.16
	475.00	3.81	15.59	25	474.85	-8.21	8.34 N	2.20 E	8.63	14.80	3.58	3.56	7.08
	500.00	4.27	15.91	25	499.79	-9.88	10.04 N	2.68 E	10.39	14.96	1.84	1.84	1.28
	525.00	4.68	16.73	25	524.71	-11.72	11.91 N	3.23 E	12.34	15.18	1.66	1.64	3.28
	550.00	4.83	14.00	25	549.63	-13.68	13.91 N	3.78 E	14.41	15.20	1.09	0.60	-10.92
	575.00	4.86	10.48	25	574.54	-15.72	15.97 N	4.23 E	16.52	14.82	1.20	0.12	-14.08
	600.00	4.67	5.57	25	599.45	-17.76	18.02 N	4.52 E	18.58	14.07	1.80	-0.76	-19.64
	625.00	4.51	4.00	25	624.37	-19.74	20.02 N	4.68 E	20.56	13.17	0.81	-0.64	-6.28
	650.00	4.20	1.07	25	649.30	-21.63	21.91 N	4.77 E	22.43	12.28	1.53	-1.24	-11.72
	675.00	3.50	352.50	25	674.24	-23.30	23.59 N	4.69 E	24.05	11.24	3.62	-2.80	1405.72
	700.00	3.66	353.83	25	699.20	-24.86	25.13 N	4.50 E	25.54	10.16	0.72	0.64	5.32
	725.00	3.74	350.89	25	724.14	-26.46	26.73 N	4.29 E	27.08	9.11	0.82	0.32	-11.76
	750.00	3.31	345.87	25	749.10	-27.98	28.24 N	3.98 E	28.52	8.03	2.12	-1.72	-20.08
	775.00	3.42	340.96	25	774.05	-29.41	29.64 N	3.56 E	29.86	6.85	1.23	0.44	-19.64
	800.00	3.41	335.46	25	799.01	-30.82	31.02 N	3.01 E	31.17	5.54	1.31	-0.04	-22.00
	825.00	3.69	339.77	25	823.96	-32.28	32.46 N	2.42 E	32.55	4.27	1.55	1.12	17.24



Company: EOG
Well: Bandit 29 State Com No. 501H
Location: Lea Co., New Mexico
Rig: Mast

Job Number: 62643
Grid Corr.: 0.40
Lat: 32.19
Long: -103.59

Calculation Method: Minimum Curvature
Proposed Azimuth: 176.92
RKB - MSL in feet:
Tie Into: Surface

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
	850.00	3.92	337.92	25	848.91	-33.86	34.00	N 1.82 E	34.05	3.07	1.04	0.92	-7.40
	875.00	4.49	337.01	25	873.84	-35.58	35.70	N 1.12 E	35.71	1.80	2.30	2.28	-3.64
	900.00	4.60	336.13	25	898.76	-37.44	37.51	N 0.33 E	37.51	0.51	0.52	0.44	-3.52
	925.00	4.81	333.74	25	923.68	-39.34	39.37	N 0.54 W	39.37	359.22	1.15	0.84	-9.56
	950.00	4.77	333.51	25	948.59	-41.26	41.24	N 1.46 W	41.27	357.97	0.18	-0.16	-0.92
	975.00	4.87	333.63	25	973.50	-43.19	43.12	N 2.40 W	43.19	356.82	0.40	0.40	0.48
	1000.00	4.81	332.29	25	998.41	-45.11	45.00	N 3.36 W	45.12	355.73	0.51	-0.24	-5.36
	1025.00	4.76	332.16	25	1023.32	-47.01	46.84	N 4.33 W	47.04	354.72	0.20	-0.20	-0.52
	1050.00	4.28	331.61	25	1048.25	-48.79	48.58	N 5.26 W	48.87	353.82	1.93	-1.92	-2.20
	1075.00	3.79	330.29	25	1073.18	-50.38	50.12	N 6.11 W	50.49	353.05	1.99	-1.96	-5.28
	1100.00	3.63	331.53	25	1098.13	-51.83	51.53	N 6.90 W	51.99	352.38	0.72	-0.64	4.96
	1125.00	3.46	332.51	25	1123.08	-53.23	52.90	N 7.62 W	53.45	351.80	0.72	-0.68	3.92
	1150.00	3.15	336.15	25	1148.04	-54.56	54.20	N 8.25 W	54.82	351.35	1.50	-1.24	14.56
	1175.00	3.04	333.71	25	1173.01	-55.81	55.42	N 8.82 W	56.12	350.96	0.69	-0.44	-9.76
	1200.00	3.33	332.21	25	1197.97	-57.08	56.66	N 9.45 W	57.44	350.53	1.21	1.16	-6.00
	1225.00	3.21	334.88	25	1222.93	-58.39	57.93	N 10.09 W	58.80	350.12	0.78	-0.48	10.68
	1250.00	3.22	330.84	25	1247.89	-59.67	59.18	N 10.73 W	60.14	349.73	0.91	0.04	-16.16
	1275.00	3.34	332.79	25	1272.85	-60.96	60.44	N 11.40 W	61.51	349.32	0.66	0.48	7.80
	1300.00	3.39	333.01	25	1297.80	-62.31	61.75	N 12.07 W	62.91	348.94	0.21	0.20	0.88
	1325.00	3.44	335.73	25	1322.76	-63.68	63.09	N 12.71 W	64.36	348.61	0.68	0.20	10.88
	1350.00	3.39	333.48	25	1347.71	-65.06	64.43	N 13.35 W	65.80	348.29	0.57	-0.20	-9.00
	1375.00	2.88	332.32	25	1372.68	-66.31	65.65	N 13.97 W	67.12	347.98	2.06	-2.04	-4.64
	1400.00	1.73	335.91	25	1397.66	-67.23	66.55	N 14.42 W	68.10	347.77	4.63	-4.60	14.36
	1425.00	0.56	352.36	25	1422.65	-67.70	67.02	N 14.59 W	68.59	347.72	4.81	-4.68	65.80
	1450.00	0.25	23.99	25	1447.65	-67.87	67.19	N 14.58 W	68.75	347.75	1.48	-1.24	-1313.48
	1475.00	0.22	38.74	25	1472.65	-67.96	67.28	N 14.53 W	68.83	347.81	0.27	-0.12	59.00
	1500.00	0.20	46.59	25	1497.65	-68.02	67.34	N 14.47 W	68.88	347.87	0.14	-0.08	31.40
	1525.00	0.12	128.79	25	1522.65	-68.03	67.36	N 14.42 W	68.88	347.92	0.88	-0.32	328.80
	1550.00	0.11	279.85	25	1547.65	-68.02	67.34	N 14.42 W	68.87	347.91	0.89	-0.04	604.24
	1575.00	0.29	67.71	25	1572.65	-68.05	67.37	N 14.39 W	68.89	347.95	1.55	0.72	-848.56
	1600.00	0.63	109.74	25	1597.65	-68.02	67.35	N 14.20 W	68.83	348.10	1.83	1.36	168.12
	1625.00	1.19	128.03	25	1622.64	-67.79	67.14	N 13.86 W	68.56	348.33	2.50	2.24	73.16
	1650.00	1.52	133.14	25	1647.64	-67.38	66.76	N 13.42 W	68.09	348.63	1.40	1.32	20.44



Company: EOG
Well: Bandit 29 State Com No. 501H
Location: Lea Co., New Mexico
Rig: Mast

Job Number: 62643
Grid Corr.: 0.40
Lat: 32.19
Long: -103.59

Calculation Method: Minimum Curvature
Proposed Azimuth: 176.92
RKB - MSL in feet:
Tie Into: Surface

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
	1675.00	1.66	134.09	25	1672.63	-66.88	66.28 N	12.92 W	67.53	348.97	0.57	0.56	3.80
	1700.00	1.75	130.27	25	1697.62	-66.35	65.78 N	12.37 W	66.93	349.35	0.58	0.36	-15.28
	1725.00	1.73	136.67	25	1722.61	-65.80	65.26 N	11.81 W	66.32	349.74	0.78	-0.08	25.60
	1750.00	1.61	136.96	25	1747.60	-65.24	64.73 N	11.32 W	65.71	350.08	0.48	-0.48	1.16
	1775.00	1.59	136.90	25	1772.59	-64.71	64.22 N	10.84 W	65.13	350.42	0.08	-0.08	-0.24
	1800.00	1.38	138.72	25	1797.58	-64.20	63.74 N	10.40 W	64.58	350.73	0.86	-0.84	7.28
	1825.00	1.51	134.67	25	1822.57	-63.72	63.28 N	9.97 W	64.06	351.05	0.66	0.52	-16.20
	1850.00	1.36	137.05	25	1847.56	-63.25	62.83 N	9.53 W	63.55	351.37	0.65	-0.60	9.52
	1875.00	1.32	137.73	25	1872.55	-62.80	62.40 N	9.14 W	63.07	351.67	0.17	-0.16	2.72
	1900.00	1.49	135.57	25	1897.55	-62.33	61.96 N	8.72 W	62.57	351.99	0.71	0.68	-8.64
	1925.00	1.49	136.78	25	1922.54	-61.84	61.49 N	8.27 W	62.04	352.34	0.13	0.00	4.84
	1950.00	1.54	136.37	25	1947.53	-61.34	61.01 N	7.81 W	61.50	352.70	0.20	0.20	-1.64
	1975.00	1.68	135.62	25	1972.52	-60.81	60.50 N	7.33 W	60.94	353.10	0.57	0.56	-3.00
	2000.00	1.70	134.79	25	1997.51	-60.26	59.98 N	6.81 W	60.36	353.53	0.13	0.08	-3.32
	2025.00	1.59	134.94	25	2022.50	-59.72	59.47 N	6.30 W	59.80	353.96	0.44	-0.44	0.60
	2050.00	1.50	133.65	25	2047.49	-59.23	59.00 N	5.81 W	59.29	354.37	0.39	-0.36	-5.16
	2075.00	1.52	133.56	25	2072.48	-58.75	58.55 N	5.34 W	58.79	354.79	0.08	0.08	-0.36
	2100.00	1.60	130.33	25	2097.47	-58.27	58.09 N	4.83 W	58.29	355.25	0.48	0.32	-12.92
	2125.00	1.61	129.66	25	2122.46	-57.79	57.64 N	4.29 W	57.80	355.74	0.09	0.04	-2.68
	2150.00	1.56	130.05	25	2147.45	-57.32	57.20 N	3.76 W	57.32	356.24	0.20	-0.20	1.56
	2175.00	1.59	135.28	25	2172.44	-56.83	56.73 N	3.26 W	56.83	356.71	0.59	0.12	20.92
	2200.00	1.66	136.35	25	2197.43	-56.29	56.23 N	2.77 W	56.29	357.18	0.31	0.28	4.28
	2225.00	1.63	134.74	25	2222.42	-55.75	55.71 N	2.26 W	55.76	357.67	0.22	-0.12	-6.44
	2250.00	1.20	132.26	25	2247.41	-55.30	55.29 N	1.82 W	55.32	358.12	1.74	-1.72	-9.92
	2275.00	0.81	138.75	25	2272.41	-54.98	54.98 N	1.51 W	55.00	358.43	1.62	-1.56	25.96
	2300.00	0.63	133.53	25	2297.41	-54.74	54.75 N	1.29 W	54.77	358.65	0.77	-0.72	-20.88
	2325.00	0.56	122.18	25	2322.41	-54.57	54.59 N	1.09 W	54.60	358.86	0.55	-0.28	-45.40
	2350.00	0.45	131.62	25	2347.41	-54.43	54.46 N	0.91 W	54.47	359.04	0.55	-0.44	37.76
	2375.00	0.40	134.84	25	2372.41	-54.30	54.33 N	0.78 W	54.34	359.18	0.22	-0.20	12.88
	2400.00	0.25	131.96	25	2397.41	-54.19	54.24 N	0.67 W	54.24	359.29	0.60	-0.60	-11.52
	2425.00	0.25	138.78	25	2422.40	-54.11	54.16 N	0.60 W	54.16	359.37	0.12	0.00	27.28
	2450.00	0.27	124.61	25	2447.40	-54.03	54.08 N	0.51 W	54.09	359.46	0.27	0.08	-56.68
	2475.00	0.36	89.65	25	2472.40	-53.99	54.05 N	0.38 W	54.05	359.59	0.83	0.36	-139.84



Company: EOG
Well: Bandit 29 State Com No. 501H
Location: Lea Co., New Mexico
Rig: Mast

Job Number: 62643
Grid Corr.: 0.40
Lat: 32.19
Long: -103.59

Calculation Method: Minimum Curvature
Proposed Azimuth: 176.92
RKB - MSL in feet:
Tie Into: Surface

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
	2500.00	0.32	80.03	25	2497.40	-54.00	54.06 N	0.24 W	54.06	359.75	0.28	-0.16	-38.48
	2525.00	0.36	63.26	25	2522.40	-54.04	54.11 N	0.10 W	54.11	359.90	0.43	0.16	-67.08
	2550.00	0.27	75.03	25	2547.40	-54.08	54.16 N	0.03 E	54.16	0.03	0.44	-0.36	47.08
	2575.00	0.26	82.24	25	2572.40	-54.10	54.18 N	0.14 E	54.18	0.15	0.14	-0.04	28.84
	2600.00	0.32	66.58	25	2597.40	-54.13	54.22 N	0.26 E	54.22	0.28	0.40	0.24	-62.64
	2625.00	0.32	71.82	25	2622.40	-54.17	54.27 N	0.39 E	54.27	0.41	0.12	0.00	20.96
	2650.00	0.43	75.90	25	2647.40	-54.21	54.31 N	0.55 E	54.32	0.58	0.45	0.44	16.32
	2675.00	0.42	75.89	25	2672.40	-54.24	54.36 N	0.73 E	54.36	0.77	0.04	-0.04	-0.04
	2700.00	0.47	78.34	25	2697.40	-54.27	54.40 N	0.92 E	54.41	0.97	0.21	0.20	9.80
	2725.00	0.39	78.03	25	2722.40	-54.30	54.44 N	1.10 E	54.45	1.16	0.32	-0.32	-1.24
	2750.00	0.38	77.77	25	2747.40	-54.33	54.48 N	1.27 E	54.49	1.33	0.04	-0.04	-1.04
	2775.00	0.33	86.41	25	2772.40	-54.34	54.50 N	1.42 E	54.52	1.49	0.29	-0.20	34.56
	2800.00	0.42	67.61	25	2797.40	-54.37	54.54 N	1.58 E	54.56	1.66	0.61	0.36	-75.20
	2825.00	0.54	60.99	25	2822.40	-54.46	54.63 N	1.76 E	54.66	1.85	0.53	0.48	-26.48
	2850.00	0.63	68.60	25	2847.40	-54.55	54.74 N	1.99 E	54.77	2.09	0.47	0.36	30.44
	2875.00	0.68	70.59	25	2872.39	-54.64	54.84 N	2.26 E	54.88	2.36	0.22	0.20	7.96
	2900.00	0.59	75.54	25	2897.39	-54.70	54.92 N	2.53 E	54.98	2.63	0.42	-0.36	19.80
	2925.00	0.71	74.59	25	2922.39	-54.76	54.99 N	2.80 E	55.06	2.92	0.48	0.48	-3.80
	2950.00	0.67	73.74	25	2947.39	-54.83	55.07 N	3.09 E	55.16	3.21	0.17	-0.16	-3.40
	2975.00	0.74	70.82	25	2972.39	-54.91	55.17 N	3.38 E	55.27	3.51	0.31	0.28	-11.68
	3000.00	0.75	68.25	25	2997.38	-55.00	55.28 N	3.69 E	55.40	3.82	0.14	0.04	-10.28
	3025.00	0.66	70.22	25	3022.38	-55.10	55.39 N	3.98 E	55.53	4.11	0.37	-0.36	7.88
	3050.00	0.77	68.69	25	3047.38	-55.19	55.50 N	4.27 E	55.66	4.40	0.45	0.44	-6.12
	3075.00	0.61	16.89	25	3072.38	-55.37	55.69 N	4.46 E	55.87	4.58	2.48	-0.64	-207.20
	3100.00	0.77	52.67	25	3097.38	-55.59	55.92 N	4.63 E	56.11	4.74	1.80	0.64	143.12
	3125.00	0.76	52.69	25	3122.38	-55.78	56.12 N	4.90 E	56.33	4.99	0.04	-0.04	0.08
	3150.00	0.89	50.14	25	3147.37	-55.98	56.34 N	5.18 E	56.58	5.25	0.54	0.52	-10.20
	3175.00	0.87	43.68	25	3172.37	-56.23	56.61 N	5.46 E	56.87	5.51	0.40	-0.08	-25.84
	3200.00	0.85	50.69	25	3197.37	-56.47	56.86 N	5.74 E	57.15	5.76	0.43	-0.08	28.04
	3225.00	0.82	43.79	25	3222.36	-56.70	57.11 N	6.00 E	57.42	6.00	0.42	-0.12	-27.60
	3250.00	0.96	46.96	25	3247.36	-56.96	57.38 N	6.28 E	57.72	6.25	0.59	0.56	12.68
	3275.00	0.93	46.43	25	3272.36	-57.23	57.66 N	6.58 E	58.04	6.51	0.12	-0.12	-2.12
	3300.00	0.90	47.55	25	3297.35	-57.48	57.93 N	6.87 E	58.34	6.76	0.14	-0.12	4.48



Company: EOG
 Well: Bandit 29 State Com No. 501H
 Location: Lea Co., New Mexico
 Rig: Mast

Job Number: 62643
 Grid Corr.: 0.40
 Lat: 32.19
 Long: -103.59

Calculation Method: Minimum Curvature
 Proposed Azimuth: 176.92
 RKB - MSL in feet:
 Tie Into: Surface

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
	3325.00	0.97	49.55	25	3322.35	-57.73	58.20 N	7.18 E	58.65	7.03	0.31	0.28	8.00
	3350.00	0.97	61.40	25	3347.35	-57.95	58.44 N	7.52 E	58.93	7.34	0.80	0.00	47.40
	3375.00	1.13	82.34	25	3372.34	-58.07	58.58 N	7.95 E	59.11	7.73	1.65	0.64	83.76
	3400.00	1.57	91.01	25	3397.34	-58.06	58.60 N	8.54 E	59.22	8.29	1.94	1.76	34.68
	3425.00	1.46	101.72	25	3422.33	-57.95	58.53 N	9.20 E	59.25	8.93	1.21	-0.44	42.84
	3450.00	1.47	120.88	25	3447.32	-57.69	58.30 N	9.78 E	59.12	9.53	1.95	0.04	76.64
	3475.00	1.44	127.67	25	3472.31	-57.31	57.95 N	10.31 E	58.86	10.09	0.70	-0.12	27.16
	3500.00	1.47	130.76	25	3497.30	-56.88	57.55 N	10.80 E	58.55	10.63	0.34	0.12	12.36
	3525.00	1.62	136.83	25	3522.29	-56.39	57.08 N	11.28 E	58.18	11.18	0.89	0.60	24.28
	3550.00	1.50	136.81	25	3547.29	-55.87	56.58 N	11.75 E	57.79	11.73	0.48	-0.48	-0.08
	3575.00	1.54	139.06	25	3572.28	-55.35	56.09 N	12.19 E	57.40	12.26	0.29	0.16	9.00
	3600.00	1.55	144.87	25	3597.27	-54.80	55.56 N	12.61 E	56.97	12.78	0.63	0.04	23.24
	3625.00	1.59	145.74	25	3622.26	-54.22	55.00 N	13.00 E	56.51	13.30	0.19	0.16	3.48
	3650.00	1.70	143.07	25	3647.25	-53.61	54.41 N	13.42 E	56.04	13.85	0.54	0.44	-10.68
	3675.00	1.85	144.09	25	3672.24	-52.97	53.79 N	13.87 E	55.55	14.46	0.61	0.60	4.08
	3700.00	1.95	145.37	25	3697.22	-52.27	53.11 N	14.35 E	55.02	15.12	0.43	0.40	5.12
	3725.00	2.04	146.64	25	3722.21	-51.52	52.39 N	14.84 E	54.45	15.81	0.40	0.36	5.08
	3750.00	1.90	154.73	25	3747.19	-50.75	51.65 N	15.26 E	53.85	16.46	1.24	-0.56	32.36
	3775.00	1.79	169.22	25	3772.18	-49.98	50.89 N	15.51 E	53.20	16.95	1.91	-0.44	57.96
	3800.00	1.86	177.12	25	3797.17	-49.19	50.10 N	15.60 E	52.47	17.30	1.04	0.28	31.60
	3825.00	2.04	187.01	25	3822.15	-48.34	49.25 N	15.57 E	51.65	17.54	1.52	0.72	39.56
	3850.00	1.87	185.06	25	3847.14	-47.50	48.40 N	15.48 E	50.82	17.74	0.73	-0.68	-7.80
	3875.00	1.89	189.62	25	3872.12	-46.70	47.59 N	15.38 E	50.01	17.90	0.60	0.08	18.24
	3900.00	1.95	188.68	25	3897.11	-45.88	46.76 N	15.24 E	49.19	18.05	0.27	0.24	-3.76
	3925.00	1.88	190.17	25	3922.10	-45.06	45.94 N	15.11 E	48.36	18.20	0.34	-0.28	5.96
	3950.00	1.78	194.03	25	3947.08	-44.29	45.16 N	14.94 E	47.57	18.30	0.63	-0.40	15.44
	3975.00	1.71	193.69	25	3972.07	-43.56	44.42 N	14.76 E	46.81	18.38	0.28	-0.28	-1.36
	4000.00	1.83	196.07	25	3997.06	-42.83	43.67 N	14.56 E	46.04	18.43	0.56	0.48	9.52
	4025.00	1.81	197.48	25	4022.05	-42.08	42.91 N	14.33 E	45.24	18.46	0.20	-0.08	5.64
	4050.00	1.73	199.62	25	4047.04	-41.36	42.18 N	14.08 E	44.47	18.46	0.42	-0.32	8.56
	4075.00	1.84	198.70	25	4072.02	-40.64	41.45 N	13.83 E	43.69	18.45	0.45	0.44	-3.68
	4100.00	1.83	200.97	25	4097.01	-39.91	40.69 N	13.56 E	42.89	18.43	0.29	-0.04	9.08
	4125.00	1.77	202.56	25	4122.00	-39.19	39.96 N	13.27 E	42.11	18.36	0.31	-0.24	6.36



PHOENIX
TECHNOLOGY SERVICES

Company: EOG
Well: Bandit 29 State Com No. 501H
Location: Lea Co., New Mexico
Rig: Mast

Job Number: 62643
Grid Corr.: 0.40
Lat: 32.19
Long: -103.59

Calculation Method: Minimum Curvature
Proposed Azimuth: 176.92
RKB - MSL in feet:
Tie Into: Surface

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
	4150.00	1.98	207.80	25	4146.98	-38.48	39.23 N	12.92 E	41.30	18.23	1.08	0.84	20.96
	4175.00	2.01	210.85	25	4171.97	-37.74	38.47 N	12.49 E	40.44	17.99	0.44	0.12	12.20
	4200.00	1.92	215.30	25	4196.96	-37.05	37.75 N	12.02 E	39.62	17.67	0.71	-0.36	17.80
	4225.00	1.88	213.49	25	4221.94	-36.39	37.07 N	11.55 E	38.82	17.31	0.29	-0.16	-7.24
	4250.00	1.84	208.12	25	4246.93	-35.72	36.37 N	11.14 E	38.04	17.03	0.72	-0.16	-21.48
	4275.00	1.71	196.01	25	4271.92	-35.02	35.66 N	10.85 E	37.27	16.92	1.58	-0.52	-48.44
	4300.00	1.63	188.24	25	4296.91	-34.32	34.95 N	10.69 E	36.55	17.01	0.96	-0.32	-31.08
	4325.00	1.46	151.64	25	4321.90	-33.68	34.31 N	10.79 E	35.97	17.46	3.93	-0.68	-146.40
	4350.00	1.88	162.76	25	4346.89	-33.00	33.64 N	11.07 E	35.42	18.21	2.11	1.68	44.48
	4375.00	2.33	154.78	25	4371.87	-32.13	32.79 N	11.40 E	34.72	19.18	2.14	1.80	-31.92
	4400.00	2.51	151.77	25	4396.85	-31.16	31.85 N	11.88 E	33.99	20.46	0.88	0.72	-12.04
	4425.00	2.44	150.59	25	4421.82	-30.19	30.90 N	12.40 E	33.30	21.86	0.35	-0.28	-4.72
	4450.00	2.21	154.49	25	4446.80	-29.27	30.00 N	12.87 E	32.65	23.22	1.12	-0.92	15.60
	4475.00	1.91	157.46	25	4471.79	-28.43	29.18 N	13.24 E	32.05	24.40	1.27	-1.20	11.88
	4500.00	1.78	158.11	25	4496.77	-27.67	28.44 N	13.54 E	31.50	25.46	0.53	-0.52	2.60
	4525.00	1.88	151.60	25	4521.76	-26.93	27.72 N	13.88 E	31.00	26.60	0.92	0.40	-26.04
	4550.00	2.03	143.94	25	4546.75	-26.19	27.00 N	14.34 E	30.57	27.97	1.20	0.60	-30.64
	4575.00	2.34	138.77	25	4571.73	-25.42	26.26 N	14.93 E	30.21	29.63	1.47	1.24	-20.68
	4600.00	2.71	136.67	25	4596.70	-24.57	25.44 N	15.68 E	29.89	31.64	1.53	1.48	-8.40
	4625.00	2.97	132.63	25	4621.67	-23.65	24.58 N	16.56 E	29.63	33.97	1.31	1.04	-16.16
	4650.00	3.25	130.73	25	4646.64	-22.70	23.67 N	17.57 E	29.48	36.58	1.19	1.12	-7.60
	4675.00	3.36	129.36	25	4671.60	-21.71	22.75 N	18.67 E	29.43	39.38	0.54	0.44	-5.48
	4700.00	3.31	129.14	25	4696.55	-20.73	21.83 N	19.80 E	29.47	42.21	0.21	-0.20	-0.88
	4725.00	3.48	130.51	25	4721.51	-19.72	20.88 N	20.94 E	29.57	45.08	0.75	0.68	5.48
	4750.00	3.77	128.76	25	4746.46	-18.65	19.87 N	22.16 E	29.76	48.11	1.24	1.16	-7.00
	4775.00	4.02	126.38	25	4771.40	-17.55	18.84 N	23.50 E	30.12	51.29	1.19	1.00	-9.52
	4800.00	4.11	128.23	25	4796.34	-16.40	17.76 N	24.91 E	30.60	54.51	0.64	0.36	7.40
	4825.00	4.28	128.51	25	4821.27	-15.19	16.63 N	26.34 E	31.15	57.74	0.68	0.68	1.12
	4850.00	3.77	135.92	25	4846.21	-13.95	15.46 N	27.65 E	31.67	60.79	2.91	-2.04	29.64

District I
1625 N French Dr., Hobbs, NM 88240
Phone (575) 393-6161 Fax (575) 393-0720
District II
811 S First St., Artesia, NM 88210
Phone (575) 748-1283 Fax (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone (505) 334-6178 Fax (505) 334-6170
District IV
1220 S St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3460 Fax (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

HOBBS OCD
JAN 17 2018

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FORM C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025- 44383	² Pool Code 96682	³ Pool Name Triste Draw; Bone Spring, East
⁴ Property Code	⁵ Property Name BANDIT 29 STATE COM	⁶ Well Number #501H
⁷ GRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3528'

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	29	24-S	33-E	-	424'	NORTH	699'	EAST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	32	24-S	33-E	-	2409'	NORTH	330'	EAST	LEA

¹¹ Dedicated Acres 240.00	¹² Joint or Infill	¹³ Consolidation Code	¹⁴ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

