

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO 30-025-46389
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator EOG RESOURCES		6. State Oil & Gas Lease No. 313191
3. Address of Operator P O BOX 2267, MIDLAND TX 79702		7. Lease Name or Unit Agreement Name GEM 36 STATE COM
4. Well Location Unit Letter B : 250 feet from the NORTH line and 2609 feet from the EAST line Section 36 Township 25S Range 32E NMPM County LEA Co		8. Well Number 503H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3411 GL		9. OGRID Number 7377
		10. Pool name or Wildcat 97903 WC-025 G-08 S253235G; LWR BONE SPRIN

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☒
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐ BHL - CHANGE ☒
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

EOG respectfully wishes to notify the NMOCD of the following change:
The cellar tags for the Gem 36 State Com #503H (API 30-025-46389)
and the Gem 36 State Com #504H (API 30-025-46390) were installed on the other's location.
This resulted in the rig R/U on the wrong well, causing a reduced lateral spacing between the two wells
from 930 feet to approximately 872 feet. The drilled bottom hole location for the Gem 36 State Com #503H
(API 30-025-46389) is Sec. 36 T-25-S R-32-E 109' FSL 2248' FWL, as reflected in the as-drilled plat
and gyro survey attached to this sundry request.

Spud Date:

11/08/19

Rig Release Date:

11/29/19

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

TITLE Sr. Regulatory Administrator

DATE 12/17/19

Type or print name Emily Follis

E-mail address: emily_follis@eogresources.com PHONE: 432-848-9163

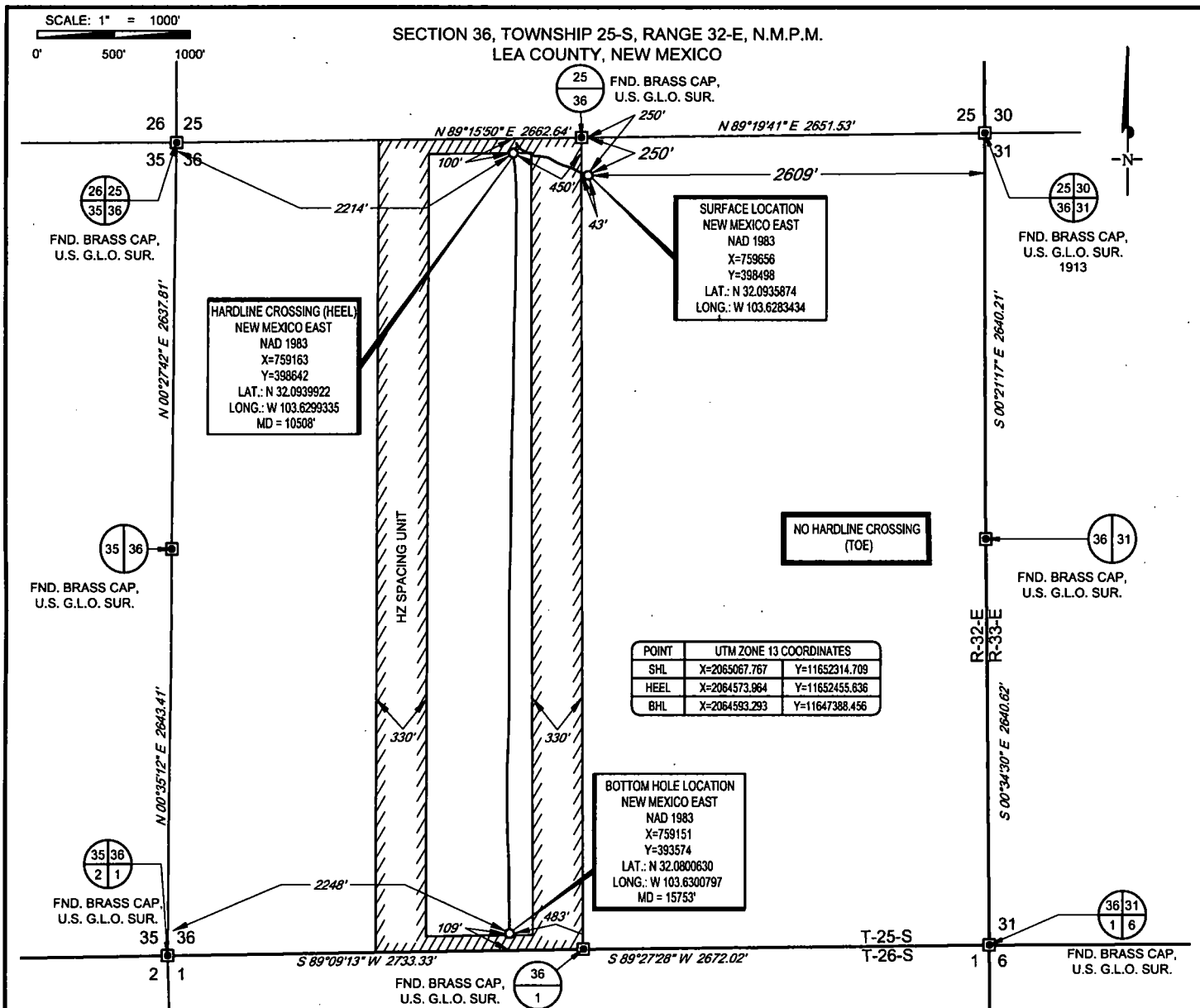
For State Use Only

APPROVED BY:

TITLE

DATE 12/31/19

Conditions of Approval (if any):



Geog resources, Inc.

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM

"PRELIMINARY, THIS DOCUMENT SHALL NOT
BE RECORDED FOR ANY PURPOSE."

Ramon A. Dominguez, P.S. No. 24508
?????

GEM 36 STATE COM #503H PRE-COMPLETION	REVISION:		NOTES: 1. ORIGINAL DOCUMENT SIZE: 8.5" X 11" 2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET. 3. THIS WELL LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY EOG RESOURCES, INC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.
DATE: 12/15/2019			
FILE:C_GEM_36_STATE_COM_504H			
DRAWN BY: TRG			
SHEET : 1 OF 1			



Company: EOG
 Well: Gem 36 State Com No. 503H
 Location: Lea Co., New Mexico
 Rig: BC Crane

Job Number: 65826
 Grid Corr.: -0.37
 Lat: 32.093463
 Long: -103.62787

Date: 12/17/19
 Calculation Method: Minimum Curvature
 Vertical Section AZI:
 RKB - MSL in feet: 25"
 Tie Into: Ground

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	90.00	0.12	30.10	90	90.00	0.08	0.08 N	0.05 E	0.09	30.10	0.13	0.13	33.44
	115.00	0.15	45.82	25	115.00	0.13	0.13 N	0.08 E	0.15	33.44	0.19	0.12	62.88
	140.00	0.25	124.23	25	140.00	0.12	0.12 N	0.15 E	0.19	51.99	1.06	0.40	313.64
	165.00	0.28	80.92	25	165.00	0.10	0.10 N	0.26 E	0.28	69.17	0.79	0.12	-173.24
	190.00	0.54	56.93	25	190.00	0.17	0.17 N	0.42 E	0.45	67.58	1.22	1.04	-95.96
	215.00	0.51	29.82	25	215.00	0.33	0.33 N	0.57 E	0.66	59.76	0.99	-0.12	-108.44
	240.00	0.36	19.42	25	240.00	0.50	0.50 N	0.65 E	0.82	52.34	0.68	-0.60	-41.60
	265.00	0.62	95.04	25	265.00	0.57	0.57 N	0.81 E	0.99	55.18	2.54	1.04	302.48
	290.00	0.40	166.02	25	290.00	0.47	0.47 N	0.97 E	1.08	64.17	2.47	-0.88	283.92
	315.00	0.58	194.26	25	314.99	0.26	0.26 N	0.96 E	0.99	74.73	1.18	0.72	112.96
	340.00	0.71	255.02	25	339.99	0.10	0.10 N	0.78 E	0.78	82.75	2.65	0.52	243.04
	365.00	0.78	208.58	25	364.99	-0.09	0.09 S	0.55 E	0.55	99.38	2.36	0.28	-185.76
	390.00	0.69	247.30	25	389.99	-0.30	0.30 S	0.33 E	0.44	132.35	1.98	-0.36	154.88
	415.00	0.69	271.86	25	414.99	-0.35	0.35 S	0.04 E	0.35	173.90	1.17	0.00	98.24
	440.00	0.78	245.15	25	439.99	-0.42	0.42 S	0.27 W	0.50	212.62	1.40	0.36	-106.84
	465.00	0.83	238.03	25	464.98	-0.59	0.59 S	0.58 W	0.82	224.52	0.45	0.20	-28.48
	490.00	1.08	272.49	25	489.98	-0.67	0.67 S	0.96 W	1.17	235.18	2.46	1.00	137.84
	515.00	1.09	239.74	25	514.98	-0.78	0.78 S	1.41 W	1.61	240.95	2.45	0.04	-131.00
	540.00	0.98	229.56	25	539.97	-1.04	1.04 S	1.77 W	2.06	239.64	0.86	-0.44	-40.72
	565.00	0.80	237.92	25	564.97	-1.27	1.27 S	2.08 W	2.44	238.63	0.89	-0.72	33.44
	590.00	0.94	254.92	25	589.97	-1.42	1.42 S	2.43 W	2.81	239.76	1.17	0.56	68.00
	615.00	0.94	266.92	25	614.96	-1.48	1.48 S	2.83 W	3.20	242.40	0.79	0.00	48.00
	640.00	1.13	282.78	25	639.96	-1.44	1.44 S	3.28 W	3.58	246.32	1.37	0.76	63.44
	665.00	1.23	258.73	25	664.95	-1.44	1.44 S	3.78 W	4.04	249.22	2.01	0.40	-96.20
	690.00	1.20	257.07	25	689.95	-1.55	1.55 S	4.30 W	4.57	250.22	0.18	-0.12	-6.64
	715.00	1.24	266.12	25	714.94	-1.62	1.62 S	4.82 W	5.09	251.41	0.79	0.16	36.20
	740.00	0.96	297.22	25	739.94	-1.55	1.55 S	5.28 W	5.50	253.69	2.59	-1.12	124.40
	765.00	0.97	283.21	25	764.93	-1.40	1.40 S	5.67 W	5.84	256.12	0.94	0.04	-56.04



Company: EOG
Well: Gem 36 State Com No. 503H
Location: Lea Co., New Mexico
Rig: BC Crane

Job Number: 65826
Grid Corr.: -0.37
Lat: 32.093463
Long: -103.62787

Calculation Method: Minimum Curvature
Vertical Section AZI:
RKB - MSL in feet: 25"
Tie Into: Ground

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)			
	790.00	1.07	281.32	25	789.93	-1.31	1.31 S	6.11 W	6.25	257.92	0.42	0.40	-7.56
	815.00	1.04	289.57	25	814.93	-1.19	1.19 S	6.55 W	6.66	259.74	0.62	-0.12	33.00
	840.00	1.14	283.76	25	839.92	-1.05	1.05 S	7.01 W	7.08	261.47	0.60	0.40	-23.24
	865.00	1.33	258.82	25	864.92	-1.05	1.05 S	7.53 W	7.60	262.08	2.26	0.76	-99.76
	890.00	1.38	280.17	25	889.91	-1.05	1.05 S	8.11 W	8.18	262.62	2.02	0.20	85.40
	915.00	1.41	281.80	25	914.90	-0.93	0.93 S	8.71 W	8.76	263.88	0.20	0.12	6.52
	940.00	1.57	293.85	25	939.89	-0.73	0.73 S	9.32 W	9.35	265.51	1.40	0.64	48.20
	965.00	1.83	290.78	25	964.88	-0.45	0.45 S	10.01 W	10.02	267.41	1.10	1.04	-12.28
	990.00	2.62	298.34	25	989.86	-0.04	0.04 S	10.89 W	10.89	269.79	3.36	3.16	30.24
	1015.00	3.50	296.54	25	1014.83	0.57	0.57 N	12.07 W	12.09	272.71	3.54	3.52	-7.20
	1040.00	3.76	298.83	25	1039.78	1.31	1.31 N	13.47 W	13.54	275.55	1.19	1.04	9.16
	1065.00	3.81	301.04	25	1064.72	2.13	2.13 N	14.90 W	15.06	278.14	0.62	0.20	8.84
	1090.00	3.30	291.41	25	1089.67	2.82	2.82 N	16.29 W	16.53	279.83	3.13	-2.04	-38.52
	1115.00	4.07	294.74	25	1114.62	3.46	3.46 N	17.76 W	18.09	281.01	3.20	3.08	13.32
	1140.00	4.60	300.48	25	1139.55	4.34	4.34 N	19.43 W	19.91	282.58	2.74	2.12	22.96
	1165.00	5.46	299.30	25	1164.45	5.43	5.43 N	21.33 W	22.01	284.27	3.46	3.44	-4.72
	1190.00	5.61	297.07	25	1189.34	6.57	6.57 N	23.46 W	24.36	285.64	1.05	0.60	-8.92
	1215.00	5.65	296.50	25	1214.22	7.67	7.67 N	25.65 W	26.77	286.65	0.28	0.16	-2.28
	1240.00	5.44	298.05	25	1239.10	8.78	8.78 N	27.79 W	29.15	287.53	1.03	-0.84	6.20
	1265.00	5.56	298.00	25	1263.99	9.90	9.90 N	29.91 W	31.51	288.32	0.48	0.48	-0.20
	1290.00	5.60	298.20	25	1288.87	11.05	11.05 N	32.05 W	33.90	289.02	0.18	0.16	0.80
	1315.00	5.72	298.21	25	1313.74	12.21	12.21 N	34.23 W	36.34	289.64	0.48	0.48	0.04
	1340.00	5.67	298.86	25	1338.62	13.40	13.40 N	36.41 W	38.79	290.21	0.33	-0.20	2.60
	1365.00	5.69	298.94	25	1363.50	14.59	14.59 N	38.57 W	41.24	290.72	0.09	0.08	0.32
	1390.00	5.71	299.89	25	1388.38	15.81	15.81 N	40.73 W	43.70	291.22	0.39	0.08	3.80
	1415.00	5.83	299.18	25	1413.25	17.05	17.05 N	42.92 W	46.18	291.67	0.56	0.48	-2.84
	1440.00	5.88	298.36	25	1438.12	18.28	18.28 N	45.16 W	48.72	292.04	0.39	0.20	-3.28
	1465.00	6.03	297.48	25	1462.98	19.49	19.49 N	47.45 W	51.30	292.33	0.70	0.60	-3.52
	1490.00	5.92	297.37	25	1487.85	20.69	20.69 N	49.76 W	53.89	292.58	0.44	-0.44	-0.44
	1515.00	5.95	296.85	25	1512.71	21.87	21.87 N	52.06 W	56.47	292.79	0.25	0.12	-2.08
	1540.00	5.85	296.59	25	1537.58	23.03	23.03 N	54.35 W	59.03	292.96	0.41	-0.40	-1.04



Company: EOG
 Well: Gem 36 State Com No. 503H
 Location: Lea Co., New Mexico
 Rig: BC Crane

Job Number: 65826
 Grid Corr.: -0.37
 Lat: 32.093463
 Long: -103.62787

Calculation Method: Minimum Curvature
 Vertical Section AZI:
 RKB - MSL in feet: 25"
 Tie Into: Ground

Survey Tool Type	Survey Depth (ft)	Inclina- tion (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)			
	1565.00	5.75	297.54	25	1562.45	24.18	24.18 N	56.60 W	61.55	293.13	0.55	-0.40	3.80
	1590.00	5.88	298.22	25	1587.32	25.36	25.36 N	58.84 W	64.08	293.31	0.59	0.52	2.72
	1615.00	5.94	298.02	25	1612.19	26.57	26.57 N	61.11 W	66.64	293.50	0.25	0.24	-0.80
	1640.00	5.97	297.48	25	1637.06	27.78	27.78 N	63.41 W	69.23	293.66	0.25	0.12	-2.16
	1665.00	5.99	296.41	25	1661.92	28.96	28.96 N	65.73 W	71.83	293.78	0.45	0.08	-4.28
	1690.00	5.78	295.01	25	1686.79	30.07	30.07 N	68.04 W	74.39	293.85	1.02	-0.84	-5.60
	1715.00	5.80	294.61	25	1711.66	31.13	31.13 N	70.33 W	76.91	293.88	0.18	0.08	-1.60
	1740.00	5.73	294.59	25	1736.53	32.18	32.18 N	72.61 W	79.42	293.90	0.28	-0.28	-0.08
	1765.00	5.71	294.90	25	1761.41	33.22	33.22 N	74.88 W	81.91	293.93	0.15	-0.08	1.24
	1790.00	5.60	294.99	25	1786.29	34.26	34.26 N	77.11 W	84.38	293.96	0.44	-0.44	0.36
	1815.00	5.58	295.37	25	1811.17	35.29	35.29 N	79.31 W	86.81	293.99	0.17	-0.08	1.52
	1840.00	5.48	295.37	25	1836.05	36.33	36.33 N	81.49 W	89.22	294.03	0.40	-0.40	0.00
	1865.00	5.43	295.24	25	1860.94	37.34	37.34 N	83.64 W	91.60	294.06	0.21	-0.20	-0.52
	1890.00	5.28	296.37	25	1885.83	38.36	38.36 N	85.74 W	93.93	294.10	0.73	-0.60	4.52
	1915.00	5.16	295.74	25	1910.73	39.36	39.36 N	87.78 W	96.20	294.15	0.53	-0.48	-2.52
	1940.00	5.19	295.47	25	1935.63	40.33	40.33 N	89.82 W	98.46	294.18	0.15	0.12	-1.08
	1965.00	5.08	294.90	25	1960.52	41.28	41.28 N	91.84 W	100.69	294.20	0.49	-0.44	-2.28
	1990.00	5.10	294.58	25	1985.43	42.21	42.21 N	93.85 W	102.91	294.22	0.14	0.08	-1.28
	2015.00	5.05	294.96	25	2010.33	43.14	43.14 N	95.86 W	105.12	294.23	0.24	-0.20	1.52
	2040.00	5.02	294.56	25	2035.23	44.06	44.06 N	97.86 W	107.32	294.24	0.18	-0.12	-1.60
	2065.00	5.04	293.87	25	2060.14	44.96	44.96 N	99.85 W	109.51	294.24	0.25	0.08	-2.76
	2090.00	5.44	289.01	25	2085.03	45.79	45.79 N	101.98 W	111.79	294.18	2.39	1.60	-19.44
	2115.00	5.67	287.42	25	2109.91	46.54	46.54 N	104.28 W	114.19	294.05	1.11	0.92	-6.36
	2140.00	5.76	285.48	25	2134.79	47.25	47.25 N	106.66 W	116.66	293.89	0.85	0.36	-7.76
	2165.00	5.77	285.14	25	2159.66	47.91	47.91 N	109.09 W	119.14	293.71	0.14	0.04	-1.36
	2190.00	5.75	284.51	25	2184.54	48.55	48.55 N	111.51 W	121.62	293.53	0.27	-0.08	-2.52
	2215.00	5.70	285.64	25	2209.41	49.20	49.20 N	113.92 W	124.09	293.36	0.49	-0.20	4.52
	2240.00	5.60	285.77	25	2234.29	49.87	49.87 N	116.29 W	126.53	293.21	0.40	-0.40	0.52
	2265.00	5.48	286.19	25	2259.17	50.53	50.53 N	118.61 W	128.93	293.08	0.51	-0.48	1.68
	2290.00	5.46	287.10	25	2284.06	51.21	51.21 N	120.89 W	131.29	292.96	0.36	-0.08	3.64
	2315.00	5.27	286.72	25	2308.95	51.89	51.89 N	123.13 W	133.62	292.85	0.77	-0.76	-1.52



Company: EOG
Well: Gem 36 State Com No. 503H
Location: Lea Co., New Mexico
Rig: BC Crane

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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)			
	2340.00	5.25	287.17	25	2333.85	52.56	52.56 N	125.32 W	135.90	292.75	0.18	-0.08	1.80
	2365.00	5.01	286.72	25	2358.75	53.21	53.21 N	127.46 W	138.12	292.66	0.97	-0.96	-1.80
	2390.00	4.97	287.12	25	2383.65	53.85	53.85 N	129.54 W	140.29	292.57	0.21	-0.16	1.60
	2415.00	4.87	287.34	25	2408.56	54.48	54.48 N	131.59 W	142.42	292.49	0.41	-0.40	0.88
	2440.00	4.74	287.07	25	2433.47	55.10	55.10 N	133.59 W	144.51	292.41	0.53	-0.52	-1.08
	2465.00	4.67	287.59	25	2458.39	55.71	55.71 N	135.55 W	146.55	292.34	0.33	-0.28	2.08
	2490.00	4.72	287.37	25	2483.30	56.33	56.33 N	137.50 W	148.59	292.28	0.21	0.20	-0.88
	2515.00	4.70	287.97	25	2508.22	56.95	56.95 N	139.45 W	150.63	292.21	0.21	-0.08	2.40
	2540.00	5.03	288.50	25	2533.13	57.61	57.61 N	141.47 W	152.75	292.16	1.33	1.32	2.12
	2565.00	5.62	289.66	25	2558.02	58.37	58.37 N	143.66 W	155.07	292.11	2.40	2.36	4.64
	2590.00	5.69	289.08	25	2582.90	59.19	59.19 N	145.98 W	157.53	292.07	0.36	0.28	-2.32
	2615.00	5.73	290.50	25	2607.77	60.03	60.03 N	148.32 W	160.01	292.03	0.59	0.16	5.68
	2640.00	5.78	290.65	25	2632.65	60.91	60.91 N	150.67 W	162.52	292.01	0.21	0.20	0.60
	2665.00	5.82	290.79	25	2657.52	61.81	61.81 N	153.03 W	165.04	291.99	0.17	0.16	0.56
	2690.00	5.78	290.44	25	2682.39	62.70	62.70 N	155.40 W	167.57	291.97	0.21	-0.16	-1.40
	2715.00	5.55	292.20	25	2707.27	63.59	63.59 N	157.70 W	170.04	291.96	1.15	-0.92	7.04
	2740.00	5.35	293.37	25	2732.16	64.51	64.51 N	159.89 W	172.41	291.97	0.92	-0.80	4.68
	2765.00	5.24	294.05	25	2757.05	65.44	65.44 N	162.00 W	174.72	292.00	0.51	-0.44	2.72
	2790.00	5.22	293.84	25	2781.95	66.36	66.36 N	164.08 W	176.99	292.02	0.11	-0.08	-0.84
	2815.00	5.25	293.29	25	2806.84	67.28	67.28 N	166.17 W	179.27	292.04	0.23	0.12	-2.20
	2840.00	5.32	292.61	25	2831.74	68.17	68.17 N	168.29 W	181.58	292.05	0.38	0.28	-2.72
	2865.00	6.12	292.51	25	2856.61	69.13	69.13 N	170.59 W	184.07	292.06	3.20	3.20	-0.40
	2890.00	6.65	292.29	25	2881.46	70.19	70.19 N	173.16 W	186.85	292.06	2.12	2.12	-0.88
	2915.00	6.86	292.35	25	2906.28	71.31	71.31 N	175.89 W	189.79	292.07	0.84	0.84	0.24
	2940.00	6.93	291.11	25	2931.10	72.42	72.42 N	178.67 W	192.79	292.06	0.66	0.28	-4.96
	2965.00	6.97	290.68	25	2955.92	73.50	73.50 N	181.50 W	195.82	292.04	0.26	0.16	-1.72
	2990.00	6.78	290.70	25	2980.74	74.55	74.55 N	184.30 W	198.81	292.02	0.76	-0.76	0.08
	3015.00	6.70	292.52	25	3005.56	75.63	75.63 N	187.03 W	201.74	292.02	0.91	-0.32	7.28
	3040.00	6.58	293.60	25	3030.40	76.77	76.77 N	189.69 W	204.63	292.03	0.69	-0.48	4.32
	3065.00	6.42	294.02	25	3055.24	77.91	77.91 N	192.28 W	207.46	292.06	0.67	-0.64	1.68
	3090.00	6.19	295.29	25	3080.09	79.05	79.05 N	194.77 W	210.20	292.09	1.08	-0.92	5.08



Company: EOG
 Well: Gem 36 State Com No. 503H
 Location: Lea Co., New Mexico
 Rig: BC Crane

Job Number: 65826
 Grid Corr.: -0.37
 Lat: 32.093463
 Long: -103.62787

Calculation Method: Minimum Curvature
 Vertical Section AZI:
 RKB - MSL in feet: 25"
 Tie Into: Ground

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)			
	3115.00	6.16	294.78	25	3104.94	80.19	80.19 N	197.21 W	212.89	292.13	0.25	-0.12	-2.04
	3140.00	5.94	295.33	25	3129.80	81.31	81.31 N	199.59 W	215.52	292.16	0.91	-0.88	2.20
	3165.00	5.72	297.35	25	3154.67	82.43	82.43 N	201.87 W	218.05	292.21	1.20	-0.88	8.08
	3190.00	5.63	297.18	25	3179.55	83.56	83.56 N	204.07 W	220.51	292.27	0.37	-0.36	-0.68
	3215.00	5.48	297.65	25	3204.43	84.68	84.68 N	206.22 W	222.92	292.32	0.63	-0.60	1.88
	3240.00	5.30	297.88	25	3229.32	85.77	85.77 N	208.29 W	225.26	292.38	0.73	-0.72	0.92
	3265.00	5.02	298.73	25	3254.22	86.84	86.84 N	210.27 W	227.50	292.44	1.16	-1.12	3.40
	3290.00	5.00	298.61	25	3279.12	87.89	87.89 N	212.19 W	229.67	292.50	0.09	-0.08	-0.48
	3315.00	5.03	297.92	25	3304.03	88.92	88.92 N	214.11 W	231.84	292.55	0.27	0.12	-2.76
	3340.00	5.23	298.04	25	3328.93	89.97	89.97 N	216.09 W	234.07	292.60	0.80	0.80	0.48
	3365.00	5.96	298.52	25	3353.81	91.12	91.12 N	218.23 W	236.49	292.66	2.93	2.92	1.92
	3390.00	6.05	298.79	25	3378.67	92.38	92.38 N	220.53 W	239.10	292.73	0.38	0.36	1.08
	3415.00	6.09	299.20	25	3403.53	93.66	93.66 N	222.84 W	241.72	292.80	0.24	0.16	1.64
	3440.00	5.97	301.30	25	3428.39	94.98	94.98 N	225.11 W	244.33	292.88	1.00	-0.48	8.40
	3465.00	5.80	302.27	25	3453.26	96.33	96.33 N	227.29 W	246.86	292.97	0.79	-0.68	3.88
	3490.00	5.29	306.45	25	3478.14	97.69	97.69 N	229.28 W	249.23	293.08	2.60	-2.04	16.72
	3515.00	5.19	307.12	25	3503.04	99.06	99.06 N	231.11 W	251.45	293.20	0.47	-0.40	2.68
	3540.00	4.93	308.55	25	3527.94	100.41	100.41 N	232.85 W	253.58	293.33	1.16	-1.04	5.72
	3565.00	4.84	308.99	25	3552.85	101.74	101.74 N	234.51 W	255.63	293.45	0.39	-0.36	1.76
	3590.00	5.02	307.51	25	3577.76	103.07	103.07 N	236.20 W	257.71	293.58	0.88	0.72	-5.92
	3615.00	5.50	301.32	25	3602.65	104.36	104.36 N	238.09 W	259.96	293.67	2.97	1.92	-24.76
	3640.00	5.70	297.03	25	3627.54	105.55	105.55 N	240.22 W	262.39	293.72	1.86	0.80	-17.16
	3665.00	5.69	295.35	25	3652.41	106.64	106.64 N	242.45 W	264.87	293.74	0.67	-0.04	-6.72
	3690.00	5.62	294.77	25	3677.29	107.69	107.69 N	244.68 W	267.33	293.76	0.36	-0.28	-2.32
	3715.00	5.51	293.62	25	3702.17	108.68	108.68 N	246.89 W	269.75	293.76	0.63	-0.44	-4.60
	3740.00	5.42	292.49	25	3727.06	109.61	109.61 N	249.08 W	272.13	293.75	0.56	-0.36	-4.52
	3765.00	5.38	290.51	25	3751.95	110.48	110.48 N	251.27 W	274.48	293.73	0.76	-0.16	-7.92
	3790.00	5.57	288.08	25	3776.83	111.26	111.26 N	253.52 W	276.86	293.70	1.20	0.76	-9.72
	3815.00	5.56	287.02	25	3801.72	111.99	111.99 N	255.83 W	279.27	293.64	0.41	-0.04	-4.24
	3840.00	5.52	286.94	25	3826.60	112.70	112.70 N	258.14 W	281.67	293.59	0.16	-0.16	-0.32
	3865.00	5.26	285.78	25	3851.49	113.36	113.36 N	260.39 W	284.00	293.53	1.13	-1.04	-4.64



Company: EOG
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 Location: Lea Co., New Mexico
 Rig: BC Crane

Job Number: 65826
 Grid Corr.: -0.37
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 Long: -103.62787

Calculation Method: Minimum Curvature
 Vertical Section AZI:
 RKB - MSL in feet: 25"
 Tie Into: Ground

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)			
	3890.00	5.22	284.95	25	3876.38	113.97	113.97 N	262.60 W	286.26	293.46	0.34	-0.16	-3.32
	3915.00	4.96	285.74	25	3901.29	114.55	114.55 N	264.73 W	288.46	293.40	1.08	-1.04	3.16
	3940.00	5.03	286.41	25	3926.19	115.16	115.16 N	266.83 W	290.61	293.34	0.36	0.28	2.68
	3965.00	5.18	287.34	25	3951.09	115.80	115.80 N	268.95 W	292.82	293.29	0.69	0.60	3.72
	3990.00	5.30	287.18	25	3975.99	116.48	116.48 N	271.13 W	295.10	293.25	0.48	0.48	-0.64
	4015.00	5.23	287.14	25	4000.88	117.16	117.16 N	273.33 W	297.38	293.20	0.28	-0.28	-0.16
	4040.00	5.24	287.25	25	4025.78	117.83	117.83 N	275.51 W	299.65	293.16	0.06	0.04	0.44
	4065.00	5.21	287.13	25	4050.67	118.50	118.50 N	277.68 W	301.91	293.11	0.13	-0.12	-0.48
	4090.00	5.06	284.36	25	4075.57	119.11	119.11 N	279.83 W	304.13	293.06	1.16	-0.60	-11.08
	4115.00	5.17	281.50	25	4100.47	119.61	119.61 N	282.01 W	306.32	292.98	1.11	0.44	-11.44
	4140.00	5.13	282.36	25	4125.37	120.07	120.07 N	284.20 W	308.52	292.90	0.35	-0.16	3.44
	4165.00	5.58	288.08	25	4150.26	120.69	120.69 N	286.45 W	310.83	292.85	2.79	1.80	22.88
	4190.00	5.70	289.84	25	4175.14	121.49	121.49 N	288.77 W	313.29	292.82	0.84	0.48	7.04
	4215.00	5.78	290.11	25	4200.02	122.34	122.34 N	291.12 W	315.78	292.79	0.34	0.32	1.08
	4240.00	5.83	289.23	25	4224.89	123.19	123.19 N	293.50 W	318.31	292.77	0.41	0.20	-3.52
	4265.00	5.59	287.57	25	4249.76	123.98	123.98 N	295.86 W	320.79	292.74	1.17	-0.96	-6.64
	4290.00	5.48	284.93	25	4274.65	124.65	124.65 N	298.18 W	323.18	292.69	1.11	-0.44	-10.56
	4315.00	5.20	281.88	25	4299.54	125.19	125.19 N	300.44 W	325.48	292.62	1.59	-1.12	-12.20
	4340.00	5.02	279.85	25	4324.44	125.61	125.61 N	302.62 W	327.66	292.54	1.02	-0.72	-8.12
	4365.00	4.87	278.51	25	4349.35	125.96	125.96 N	304.75 W	329.76	292.46	0.76	-0.60	-5.36
	4390.00	4.50	279.58	25	4374.26	126.28	126.28 N	306.77 W	331.74	292.37	1.52	-1.48	4.28
	4415.00	4.24	279.81	25	4399.19	126.60	126.60 N	308.65 W	333.60	292.30	1.04	-1.04	0.92
	4440.00	3.84	277.38	25	4424.13	126.86	126.86 N	310.39 W	335.31	292.23	1.74	-1.60	-9.72
	4465.00	3.59	272.01	25	4449.08	127.00	127.00 N	312.00 W	336.86	292.15	1.71	-1.00	-21.48
	4490.00	3.44	267.32	25	4474.03	126.99	126.99 N	313.53 W	338.27	292.05	1.30	-0.60	-18.76
	4515.00	3.64	262.33	25	4498.98	126.85	126.85 N	315.07 W	339.64	291.93	1.47	0.80	-19.96
	4540.00	3.29	256.48	25	4523.94	126.58	126.58 N	316.55 W	340.92	291.79	1.99	-1.40	-23.40
	4565.00	3.86	261.34	25	4548.89	126.28	126.28 N	318.08 W	342.23	291.65	2.58	2.28	19.44
	4590.00	4.70	267.97	25	4573.82	126.12	126.12 N	319.94 W	343.90	291.51	3.89	3.36	26.52
	4615.00	5.41	269.39	25	4598.72	126.07	126.07 N	322.14 W	345.93	291.37	2.88	2.84	5.68
	4640.00	5.49	269.84	25	4623.61	126.06	126.06 N	324.51 W	348.13	291.23	0.36	0.32	1.80



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Calculation Method: Minimum Curvature
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 RKB - MSL in feet: 25"
 Tie Into: Ground

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)			
	4665.00	5.44	270.08	25	4648.49	126.05	126.05 N	326.89 W	350.35	291.09	0.22	-0.20	0.96
	4690.00	5.33	271.37	25	4673.38	126.08	126.08 N	329.24 W	352.55	290.95	0.65	-0.44	5.16
	4715.00	5.24	272.14	25	4698.28	126.15	126.15 N	331.54 W	354.73	290.83	0.46	-0.36	3.08
	4740.00	5.25	271.44	25	4723.17	126.22	126.22 N	333.82 W	356.89	290.71	0.26	0.04	-2.80
	4765.00	5.15	271.79	25	4748.07	126.29	126.29 N	336.09 W	359.03	290.59	0.42	-0.40	1.40
	4790.00	5.23	280.64	25	4772.97	126.53	126.53 N	338.33 W	361.22	290.51	3.21	0.32	35.40
	4815.00	5.25	288.77	25	4797.86	127.11	127.11 N	340.53 W	363.48	290.47	2.97	0.08	32.52
	4840.00	5.29	294.10	25	4822.76	127.95	127.95 N	342.67 W	365.78	290.48	1.96	0.16	21.32
	4865.00	5.35	296.54	25	4847.65	128.94	128.94 N	344.76 W	368.09	290.51	0.94	0.24	9.76
	4890.00	5.36	298.07	25	4872.54	130.01	130.01 N	346.84 W	370.40	290.55	0.57	0.04	6.12
	4915.00	5.41	298.78	25	4897.43	131.13	131.13 N	348.90 W	372.73	290.60	0.33	0.20	2.84
	4940.00	5.53	299.20	25	4922.32	132.28	132.28 N	350.98 W	375.09	290.65	0.51	0.48	1.68
	4965.00	5.56	298.67	25	4947.20	133.45	133.45 N	353.10 W	377.48	290.70	0.24	0.12	-2.12
	4990.00	5.59	298.29	25	4972.08	134.61	134.61 N	355.23 W	379.88	290.75	0.19	0.12	-1.52
	5015.00	5.73	297.22	25	4996.96	135.76	135.76 N	357.41 W	382.33	290.80	0.70	0.56	-4.28
	5040.00	5.84	296.83	25	5021.83	136.90	136.90 N	359.66 W	384.83	290.84	0.47	0.44	-1.56
	5065.00	5.94	296.81	25	5046.70	138.06	138.06 N	361.95 W	387.39	290.88	0.40	0.40	-0.08
	5090.00	5.98	296.48	25	5071.56	139.23	139.23 N	364.27 W	389.97	290.92	0.21	0.16	-1.32
	5115.00	5.99	295.76	25	5096.43	140.37	140.37 N	366.61 W	392.57	290.95	0.30	0.04	-2.88
	5140.00	6.16	296.05	25	5121.29	141.53	141.53 N	368.99 W	395.20	290.98	0.69	0.68	1.16
	5165.00	6.11	296.35	25	5146.15	142.71	142.71 N	371.39 W	397.86	291.02	0.24	-0.20	1.20
	5190.00	6.16	296.13	25	5171.00	143.89	143.89 N	373.78 W	400.52	291.05	0.22	0.20	-0.88
	5215.00	6.02	297.06	25	5195.86	145.08	145.08 N	376.15 W	403.16	291.09	0.69	-0.56	3.72
	5240.00	6.23	299.56	25	5220.72	146.34	146.34 N	378.50 W	405.81	291.14	1.36	0.84	10.00
	5265.00	6.23	299.30	25	5245.57	147.68	147.68 N	380.87 W	408.49	291.19	0.11	0.00	-1.04
	5290.00	6.31	299.25	25	5270.42	149.01	149.01 N	383.25 W	411.20	291.25	0.32	0.32	-0.20
	5315.00	6.30	298.65	25	5295.27	150.34	150.34 N	385.65 W	413.92	291.30	0.27	-0.04	-2.40
	5340.00	6.39	298.02	25	5320.12	151.65	151.65 N	388.08 W	416.66	291.34	0.46	0.36	-2.52
	5365.00	6.39	297.29	25	5344.96	152.94	152.94 N	390.55 W	419.42	291.39	0.32	0.00	-2.92
	5390.00	6.23	296.67	25	5369.81	154.19	154.19 N	392.99 W	422.16	291.42	0.70	-0.64	-2.48
	5415.00	6.32	298.88	25	5394.66	155.46	155.46 N	395.41 W	424.87	291.46	1.03	0.36	8.84



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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)			
	5440.00	6.36	301.04	25	5419.51	156.84	156.84 N	397.80 W	427.61	291.52	0.97	0.16	8.64
	5465.00	6.45	301.09	25	5444.35	158.28	158.28 N	400.19 W	430.36	291.58	0.36	0.36	0.20
	5490.00	6.32	302.50	25	5469.20	159.75	159.75 N	402.55 W	433.09	291.64	0.81	-0.52	5.64
	5515.00	6.38	303.25	25	5494.04	161.25	161.25 N	404.88 W	435.80	291.72	0.41	0.24	3.00
	5540.00	6.42	303.54	25	5518.89	162.78	162.78 N	407.20 W	438.53	291.79	0.21	0.16	1.16
	5565.00	6.41	303.96	25	5543.73	164.33	164.33 N	409.53 W	441.27	291.86	0.19	-0.04	1.68
	5590.00	6.39	304.36	25	5568.57	165.90	165.90 N	411.83 W	443.99	291.94	0.20	-0.08	1.60
	5615.00	6.42	304.13	25	5593.42	167.47	167.47 N	414.14 W	446.71	292.02	0.16	0.12	-0.92
	5640.00	6.51	304.55	25	5618.26	169.05	169.05 N	416.46 W	449.47	292.09	0.41	0.36	1.68
	5665.00	6.41	305.05	25	5643.10	170.66	170.66 N	418.77 W	452.21	292.17	0.46	-0.40	2.00
	5690.00	6.53	305.21	25	5667.94	172.28	172.28 N	421.07 W	454.96	292.25	0.49	0.48	0.64
	5715.00	6.34	305.78	25	5692.78	173.91	173.91 N	423.36 W	457.68	292.33	0.80	-0.76	2.28
	5740.00	5.39	309.39	25	5717.65	175.46	175.46 N	425.38 W	460.15	292.41	4.07	-3.80	14.44
	5765.00	4.82	312.12	25	5742.55	176.91	176.91 N	427.07 W	462.26	292.50	2.48	-2.28	10.92
	5790.00	4.18	314.30	25	5767.48	178.25	178.25 N	428.50 W	464.10	292.59	2.65	-2.56	8.72
	5815.00	4.20	313.81	25	5792.41	179.52	179.52 N	429.81 W	465.80	292.67	0.16	0.08	-1.96
	5840.00	4.17	311.87	25	5817.34	180.76	180.76 N	431.15 W	467.51	292.75	0.58	-0.12	-7.76
	5865.00	4.16	310.52	25	5842.28	181.96	181.96 N	432.52 W	469.23	292.82	0.39	-0.04	-5.40
	5890.00	3.86	314.92	25	5867.22	183.14	183.14 N	433.80 W	470.88	292.89	1.72	-1.20	17.60
	5915.00	4.00	307.45	25	5892.16	184.26	184.26 N	435.09 W	472.50	292.95	2.12	0.56	-29.88
	5940.00	4.05	299.85	25	5917.10	185.23	185.23 N	436.55 W	474.22	292.99	2.14	0.20	-30.40
	5965.00	3.82	299.21	25	5942.04	186.08	186.08 N	438.04 W	475.93	293.02	0.94	-0.92	-2.56
	5990.00	4.08	299.53	25	5966.98	186.92	186.92 N	439.54 W	477.64	293.04	1.04	1.04	1.28
	6015.00	3.83	303.70	25	5991.92	187.83	187.83 N	441.01 W	479.34	293.07	1.52	-1.00	16.68
	6040.00	3.36	306.93	25	6016.87	188.73	188.73 N	442.29 W	480.87	293.11	2.05	-1.88	12.92
	6065.00	3.12	308.71	25	6041.83	189.59	189.59 N	443.41 W	482.24	293.15	1.04	-0.96	7.12
	6090.00	3.11	309.81	25	6066.79	190.45	190.45 N	444.46 W	483.55	293.20	0.24	-0.04	4.40
	6115.00	3.03	308.16	25	6091.76	191.30	191.30 N	445.50 W	484.83	293.24	0.48	-0.32	-6.60
	6140.00	2.91	309.47	25	6116.72	192.11	192.11 N	446.51 W	486.08	293.28	0.55	-0.48	5.24
	6165.00	2.90	309.45	25	6141.69	192.91	192.91 N	447.49 W	487.30	293.32	0.04	-0.04	-0.08
	6190.00	2.80	315.38	25	6166.66	193.75	193.75 N	448.40 W	488.47	293.37	1.24	-0.40	23.72



Company: EOG
Well: Gem 36 State Com No. 503H
Location: Lea Co., New Mexico
Rig: BC Crane

Job Number: 65826
Grid Corr.: -0.37
Lat: 32.093463
Long: -103.62787

Calculation Method: Minimum Curvature
Vertical Section AZI:
RKB - MSL in feet: 25"
Tie Into: Ground

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)			
	6215.00	2.63	316.26	25	6191.63	194.60	194.60 N	449.23 W	489.57	293.42	0.70	-0.68	3.52
	6240.00	1.90	326.98	25	6216.61	195.36	195.36 N	449.85 W	490.44	293.47	3.36	-2.92	42.88
	6265.00	1.85	328.99	25	6241.60	196.05	196.05 N	450.29 W	491.12	293.53	0.33	-0.20	8.04
	6290.00	1.77	330.95	25	6266.59	196.74	196.74 N	450.68 W	491.75	293.58	0.40	-0.32	7.84
	6315.00	1.79	337.05	25	6291.57	197.43	197.43 N	451.02 W	492.34	293.64	0.76	0.08	24.40
	6340.00	1.72	333.04	25	6316.56	198.13	198.13 N	451.34 W	492.92	293.70	0.57	-0.28	-16.04
	6365.00	1.61	337.80	25	6341.55	198.79	198.79 N	451.65 W	493.46	293.76	0.71	-0.44	19.04
	6390.00	1.88	338.52	25	6366.54	199.49	199.49 N	451.93 W	494.00	293.82	1.08	1.08	2.88
	6415.00	1.94	332.29	25	6391.53	200.25	200.25 N	452.28 W	494.63	293.88	0.86	0.24	-24.92
	6440.00	1.66	338.38	25	6416.51	200.96	200.96 N	452.61 W	495.22	293.94	1.35	-1.12	24.36
	6465.00	1.85	343.54	25	6441.50	201.69	201.69 N	452.85 W	495.74	294.01	0.99	0.76	20.64
	6490.00	1.69	340.00	25	6466.49	202.42	202.42 N	453.09 W	496.25	294.07	0.77	-0.64	-14.16
	6515.00	1.69	337.74	25	6491.48	203.11	203.11 N	453.36 W	496.78	294.13	0.27	0.00	-9.04
	6540.00	1.66	340.77	25	6516.47	203.79	203.79 N	453.62 W	497.29	294.19	0.37	-0.12	12.12
	6565.00	1.95	343.48	25	6541.46	204.54	204.54 N	453.86 W	497.82	294.26	1.21	1.16	10.84
	6590.00	1.76	343.74	25	6566.44	205.32	205.32 N	454.09 W	498.35	294.33	0.76	-0.76	1.04
	6615.00	1.77	343.95	25	6591.43	206.06	206.06 N	454.30 W	498.85	294.40	0.05	0.04	0.84
	6640.00	1.76	340.50	25	6616.42	206.79	206.79 N	454.54 W	499.36	294.46	0.43	-0.04	-13.80
	6665.00	1.75	339.20	25	6641.41	207.51	207.51 N	454.80 W	499.90	294.53	0.16	-0.04	-5.20
	6690.00	1.57	347.74	25	6666.40	208.20	208.20 N	455.01 W	500.38	294.59	1.22	-0.72	34.16
	6715.00	1.73	333.65	25	6691.39	208.87	208.87 N	455.25 W	500.88	294.65	1.74	0.64	-56.36
	6740.00	1.45	331.56	25	6716.38	209.49	209.49 N	455.57 W	501.42	294.69	1.14	-1.12	-8.36
	6765.00	1.40	331.92	25	6741.37	210.04	210.04 N	455.86 W	501.92	294.74	0.20	-0.20	1.44
	6790.00	1.27	333.04	25	6766.36	210.55	210.55 N	456.13 W	502.38	294.78	0.53	-0.52	4.48
	6815.00	1.16	329.89	25	6791.36	211.02	211.02 N	456.38 W	502.81	294.81	0.51	-0.44	-12.60
	6840.00	1.04	337.78	25	6816.35	211.45	211.45 N	456.60 W	503.18	294.85	0.77	-0.48	31.56
	6865.00	1.18	343.24	25	6841.35	211.90	211.90 N	456.76 W	503.52	294.89	0.70	0.56	21.84
	6890.00	1.09	327.18	25	6866.34	212.35	212.35 N	456.96 W	503.89	294.92	1.32	-0.36	-64.24
	6915.00	1.24	334.43	25	6891.34	212.79	212.79 N	457.21 W	504.30	294.96	0.84	0.60	29.00
	6940.00	1.18	331.03	25	6916.33	213.26	213.26 N	457.45 W	504.72	295.00	0.37	-0.24	-13.60
	6965.00	1.21	349.88	25	6941.33	213.75	213.75 N	457.62 W	505.08	295.04	1.57	0.12	75.40



Company: EOG
 Well: Gem 36 State Com No. 503H
 Location: Lea Co., New Mexico
 Rig: BC Crane

Job Number: 65826
 Grid Corr.: -0.37
 Lat: 32.093463
 Long: -103.62787

Calculation Method: Minimum Curvature
 Vertical Section AZI:
 RKB - MSL in feet: 25"
 Tie Into: Ground

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)			
	6990.00	1.12	337.88	25	6966.32	214.23	214.23 N	457.76 W	505.41	295.08	1.04	-0.36	-48.00
	7015.00	1.10	340.63	25	6991.32	214.69	214.69 N	457.93 W	505.75	295.12	0.23	-0.08	11.00
	7040.00	0.99	347.35	25	7016.31	215.12	215.12 N	458.05 W	506.06	295.16	0.66	-0.44	26.88
	7065.00	1.07	348.34	25	7041.31	215.56	215.56 N	458.15 W	506.33	295.20	0.33	0.32	3.96
	7090.00	1.11	344.80	25	7066.30	216.03	216.03 N	458.26 W	506.62	295.24	0.31	0.16	-14.16
	7115.00	1.04	345.43	25	7091.30	216.48	216.48 N	458.38 W	506.93	295.28	0.28	-0.28	2.52
	7140.00	1.04	344.71	25	7116.30	216.92	216.92 N	458.50 W	507.22	295.32	0.05	0.00	-2.88
	7165.00	0.94	348.27	25	7141.29	217.34	217.34 N	458.60 W	507.49	295.36	0.47	-0.40	14.24
	7190.00	1.05	343.74	25	7166.29	217.76	217.76 N	458.70 W	507.77	295.39	0.54	0.44	-18.12
	7215.00	1.00	350.98	25	7191.28	218.19	218.19 N	458.80 W	508.04	295.43	0.55	-0.20	28.96
	7240.00	0.98	349.05	25	7216.28	218.62	218.62 N	458.88 W	508.29	295.47	0.16	-0.08	-7.72
	7265.00	0.92	355.27	25	7241.28	219.03	219.03 N	458.93 W	508.52	295.51	0.48	-0.24	24.88
	7290.00	0.82	4.82	25	7266.27	219.41	219.41 N	458.94 W	508.69	295.55	0.70	-0.40	-1401.80
	7315.00	1.06	353.97	25	7291.27	219.81	219.81 N	458.95 W	508.87	295.59	1.19	0.96	1396.60
	7340.00	0.76	8.72	25	7316.27	220.21	220.21 N	458.94 W	509.04	295.63	1.51	-1.20	-1381.00
	7365.00	0.91	1.41	25	7341.26	220.57	220.57 N	458.91 W	509.17	295.67	0.73	0.60	-29.24
	7390.00	0.86	3.18	25	7366.26	220.96	220.96 N	458.90 W	509.32	295.71	0.23	-0.20	7.08
	7415.00	0.69	15.27	25	7391.26	221.29	221.29 N	458.85 W	509.42	295.75	0.94	-0.68	48.36
	7440.00	0.25	350.58	25	7416.26	221.49	221.49 N	458.82 W	509.48	295.77	1.90	-1.76	1341.24
	7465.00	0.88	300.10	25	7441.26	221.64	221.64 N	458.99 W	509.70	295.77	2.99	2.52	-201.92
	7490.00	0.63	231.83	25	7466.26	221.65	221.65 N	459.27 W	509.96	295.76	3.49	-1.00	-273.08
	7515.00	1.00	189.67	25	7491.25	221.35	221.35 N	459.41 W	509.96	295.73	2.72	1.48	-168.64
	7540.00	0.82	216.73	25	7516.25	220.99	220.99 N	459.56 W	509.93	295.68	1.84	-0.72	108.24
	7565.00	0.88	200.24	25	7541.25	220.67	220.67 N	459.73 W	509.95	295.64	1.00	0.24	-65.96
	7590.00	0.94	194.49	25	7566.24	220.29	220.29 N	459.85 W	509.89	295.60	0.44	0.24	-23.00
	7615.00	0.92	187.86	25	7591.24	219.89	219.89 N	459.93 W	509.79	295.55	0.44	-0.08	-26.52
	7640.00	0.81	199.15	25	7616.24	219.53	219.53 N	460.01 W	509.71	295.51	0.81	-0.44	45.16
	7665.00	0.85	200.02	25	7641.24	219.18	219.18 N	460.13 W	509.67	295.47	0.17	0.16	3.48
	7690.00	0.94	172.42	25	7666.23	218.81	218.81 N	460.17 W	509.54	295.43	1.74	0.36	-110.40
	7715.00	0.89	202.10	25	7691.23	218.42	218.42 N	460.22 W	509.42	295.39	1.88	-0.20	118.72
	7740.00	0.93	179.23	25	7716.23	218.04	218.04 N	460.29 W	509.32	295.35	1.45	0.16	-91.48



Company: EOG
Well: Gem 36 State Corn No. 503H
Location: Lea Co., New Mexico
Rig: BC Crane

Job Number: 65826
Grid Corr.: -0.37
Lat: 32.093463
Long: -103.62787

Calculation Method: Minimum Curvature
Vertical Section AZI: 25"
RKB - MSL in feet: 25"
Tie Into: Ground

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)			
	7765.00	0.61	180.11	25	7741.22	217.71	217.71 N	460.28 W	509.17	295.31	1.28	-1.28	3.52
	7790.00	0.94	181.16	25	7766.22	217.37	217.37 N	460.29 W	509.03	295.28	1.32	1.32	4.20
	7815.00	0.73	148.80	25	7791.22	217.03	217.03 N	460.21 W	508.82	295.25	2.03	-0.84	-129.44
	7840.00	0.77	163.60	25	7816.22	216.73	216.73 N	460.08 W	508.57	295.22	0.79	0.16	59.20
	7865.00	0.66	161.45	25	7841.21	216.43	216.43 N	459.99 W	508.36	295.20	0.45	-0.44	-8.60
	7890.00	0.81	167.26	25	7866.21	216.12	216.12 N	459.90 W	508.15	295.17	0.67	0.60	23.24
	7915.00	0.79	160.63	25	7891.21	215.79	215.79 N	459.81 W	507.92	295.14	0.38	-0.08	-26.52
	7940.00	0.66	151.18	25	7916.21	215.50	215.50 N	459.68 W	507.68	295.12	0.70	-0.52	-37.80
	7965.00	0.81	177.96	25	7941.21	215.20	215.20 N	459.60 W	507.49	295.09	1.48	0.60	107.12
	7990.00	0.82	176.52	25	7966.20	214.84	214.84 N	459.59 W	507.32	295.05	0.09	0.04	-5.76
	8015.00	0.81	142.58	25	7991.20	214.52	214.52 N	459.47 W	507.08	295.03	1.90	-0.04	-135.76
	8040.00	0.69	162.56	25	8016.20	214.24	214.24 N	459.31 W	506.82	295.01	1.14	-0.48	79.92
	8065.00	0.79	149.92	25	8041.20	213.94	213.94 N	459.18 W	506.58	294.98	0.76	0.40	-50.56
	8090.00	0.85	157.78	25	8066.19	213.62	213.62 N	459.03 W	506.30	294.96	0.51	0.24	31.44
	8115.00	0.97	152.78	25	8091.19	213.26	213.26 N	458.86 W	506.00	294.93	0.58	0.48	-20.00
	8140.00	0.85	154.16	25	8116.19	212.91	212.91 N	458.68 W	505.69	294.90	0.49	-0.48	5.52
	8165.00	0.81	165.74	25	8141.19	212.57	212.57 N	458.56 W	505.43	294.87	0.69	-0.16	46.32
	8190.00	0.92	146.15	25	8166.18	212.23	212.23 N	458.40 W	505.15	294.84	1.25	0.44	-78.36
	8215.00	0.82	144.65	25	8191.18	211.92	211.92 N	458.19 W	504.82	294.82	0.41	-0.40	-6.00
	8240.00	0.75	161.02	25	8216.18	211.62	211.62 N	458.03 W	504.55	294.80	0.94	-0.28	65.48
	8265.00	0.77	159.54	25	8241.18	211.31	211.31 N	457.92 W	504.32	294.77	0.11	0.08	-5.92
	8290.00	0.85	147.78	25	8266.17	210.99	210.99 N	457.76 W	504.05	294.75	0.74	0.32	-47.04
	8315.00	0.85	142.21	25	8291.17	210.69	210.69 N	457.55 W	503.73	294.72	0.33	0.00	-22.28
	8340.00	0.89	151.09	25	8316.17	210.37	210.37 N	457.34 W	503.41	294.70	0.56	0.16	35.52
	8365.00	0.70	152.65	25	8341.16	210.07	210.07 N	457.18 W	503.13	294.68	0.76	-0.76	6.24
	8390.00	0.92	161.24	25	8366.16	209.74	209.74 N	457.04 W	502.87	294.65	1.00	0.88	34.36
	8415.00	1.13	156.51	25	8391.16	209.33	209.33 N	456.88 W	502.55	294.62	0.90	0.84	-18.92
	8440.00	0.99	145.89	25	8416.15	208.92	208.92 N	456.66 W	502.18	294.58	0.96	-0.56	-42.48
	8465.00	0.86	151.84	25	8441.15	208.58	208.58 N	456.45 W	501.85	294.56	0.65	-0.52	23.80
	8490.00	0.82	160.99	25	8466.15	208.24	208.24 N	456.30 W	501.58	294.53	0.56	-0.16	36.60
	8515.00	0.72	166.09	25	8491.15	207.92	207.92 N	456.21 W	501.35	294.50	0.48	-0.40	20.40



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Calculation Method: Minimum Curvature
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 Tie Into: Ground

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)			
	8540.00	0.73	164.89	25	8516.14	207.61	207.61 N	456.13 W	501.16	294.47	0.07	0.04	-4.80
	8565.00	0.90	176.25	25	8541.14	207.26	207.26 N	456.07 W	500.96	294.44	0.94	0.68	45.44
	8590.00	0.91	176.49	25	8566.14	206.87	206.87 N	456.05 W	500.78	294.40	0.04	0.04	0.96
	8615.00	0.96	190.28	25	8591.13	206.47	206.47 N	456.07 W	500.63	294.36	0.92	0.20	55.16
	8640.00	0.85	192.59	25	8616.13	206.08	206.08 N	456.15 W	500.54	294.31	0.46	-0.44	9.24
	8665.00	0.96	176.43	25	8641.13	205.69	205.69 N	456.18 W	500.41	294.27	1.11	0.44	-64.64
	8690.00	0.91	175.04	25	8666.13	205.28	205.28 N	456.15 W	500.21	294.23	0.22	-0.20	-5.56
	8715.00	0.78	163.46	25	8691.12	204.92	204.92 N	456.08 W	500.01	294.19	0.86	-0.52	-46.32
	8740.00	0.64	193.09	25	8716.12	204.62	204.62 N	456.07 W	499.87	294.16	1.55	-0.56	118.52
	8765.00	0.88	166.24	25	8741.12	204.30	204.30 N	456.05 W	499.72	294.13	1.69	0.96	-107.40
	8790.00	1.05	175.86	25	8766.11	203.89	203.89 N	455.99 W	499.50	294.09	0.94	0.68	38.48
	8815.00	0.98	178.89	25	8791.11	203.44	203.44 N	455.97 W	499.30	294.05	0.35	-0.28	12.12
	8840.00	0.91	163.16	25	8816.11	203.04	203.04 N	455.91 W	499.08	294.01	1.07	-0.28	-62.92
	8865.00	0.76	178.53	25	8841.10	202.68	202.68 N	455.85 W	498.88	293.97	1.07	-0.60	61.48
	8890.00	0.78	181.31	25	8866.10	202.35	202.35 N	455.85 W	498.74	293.94	0.17	0.08	11.12
	8915.00	1.03	182.14	25	8891.10	201.95	201.95 N	455.86 W	498.59	293.89	1.00	1.00	3.32
	8940.00	1.08	188.77	25	8916.10	201.50	201.50 N	455.90 W	498.45	293.84	0.53	0.20	26.52
	8965.00	1.22	187.85	25	8941.09	201.00	201.00 N	455.98 W	498.31	293.79	0.56	0.56	-3.68
	8990.00	0.96	181.34	25	8966.09	200.53	200.53 N	456.02 W	498.16	293.74	1.15	-1.04	-26.04
	9015.00	0.87	196.51	25	8991.08	200.13	200.13 N	456.08 W	498.05	293.69	1.03	-0.36	60.68
	9040.00	0.67	182.45	25	9016.08	199.81	199.81 N	456.14 W	497.98	293.66	1.09	-0.80	-56.24
	9065.00	0.75	200.13	25	9041.08	199.51	199.51 N	456.20 W	497.92	293.62	0.93	0.32	70.72
	9090.00	0.73	208.32	25	9066.08	199.21	199.21 N	456.33 W	497.92	293.58	0.43	-0.08	32.76
	9115.00	0.47	236.73	25	9091.07	199.02	199.02 N	456.49 W	497.99	293.56	1.55	-1.04	113.64
	9140.00	0.64	202.44	25	9116.07	198.83	198.83 N	456.63 W	498.04	293.53	1.46	0.68	-137.16
	9165.00	0.55	188.20	25	9141.07	198.58	198.58 N	456.70 W	498.01	293.50	0.69	-0.36	-56.96
	9190.00	0.74	178.41	25	9166.07	198.30	198.30 N	456.71 W	497.91	293.47	0.88	0.76	-39.16
	9215.00	0.74	191.68	25	9191.07	197.98	197.98 N	456.74 W	497.81	293.44	0.68	0.00	53.08
	9240.00	0.79	161.20	25	9216.07	197.66	197.66 N	456.72 W	497.66	293.40	1.62	0.20	-121.92
	9265.00	0.56	157.53	25	9241.06	197.39	197.39 N	456.62 W	497.45	293.38	0.94	-0.92	-14.68
	9290.00	0.65	190.06	25	9266.06	197.13	197.13 N	456.59 W	497.33	293.35	1.40	0.36	130.12



Company: EOG
 Well: Gem 36 State Com No. 503H
 Location: Lea Co., New Mexico
 Rig: BC Crane

Job Number: 65826
 Grid Corr.: -0.37
 Lat: 32.093463
 Long: -103.62787

Calculation Method: Minimum Curvature
 Vertical Section AZI: 25"
 RKB - MSL in feet: 25"
 Tie Into: Ground

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)			
	9315.00	0.69	185.36	25	9291.06	196.84	196.84 N	456.63 W	497.25	293.32	0.27	0.16	-18.80
	9340.00	0.97	191.06	25	9316.06	196.49	196.49 N	456.69 W	497.16	293.28	1.17	1.12	22.80
	9365.00	0.82	181.04	25	9341.06	196.10	196.10 N	456.73 W	497.05	293.24	0.86	-0.60	-40.08
	9390.00	0.91	220.19	25	9366.05	195.77	195.77 N	456.86 W	497.04	293.20	2.34	0.36	156.60
	9415.00	0.80	222.34	25	9391.05	195.49	195.49 N	457.11 W	497.16	293.15	0.46	-0.44	8.60
	9440.00	0.95	216.41	25	9416.05	195.19	195.19 N	457.35 W	497.26	293.11	0.70	0.60	-23.72
	9465.00	1.08	219.68	25	9441.04	194.85	194.85 N	457.62 W	497.38	293.06	0.57	0.52	13.08
	9490.00	0.99	227.54	25	9466.04	194.52	194.52 N	457.93 W	497.53	293.01	0.67	-0.36	31.44
	9515.00	1.16	207.70	25	9491.04	194.15	194.15 N	458.21 W	497.64	292.96	1.63	0.68	-79.36
	9540.00	1.18	213.33	25	9516.03	193.71	193.71 N	458.47 W	497.71	292.90	0.47	0.08	22.52
	9565.00	1.23	237.76	25	9541.02	193.35	193.35 N	458.84 W	497.91	292.85	2.05	0.20	97.72
	9590.00	1.59	239.93	25	9566.02	193.03	193.03 N	459.36 W	498.27	292.79	1.46	1.44	8.68
	9615.00	1.87	229.71	25	9591.01	192.60	192.60 N	459.98 W	498.67	292.72	1.66	1.12	-40.88
	9640.00	1.96	226.31	25	9615.99	192.04	192.04 N	460.60 W	499.03	292.63	0.58	0.36	-13.60
	9665.00	2.25	225.79	25	9640.98	191.40	191.40 N	461.26 W	499.39	292.54	1.16	1.16	-2.08
	9690.00	2.51	224.75	25	9665.95	190.67	190.67 N	461.99 W	499.79	292.43	1.05	1.04	-4.16
	9715.00	2.66	222.12	25	9690.93	189.85	189.85 N	462.77 W	500.20	292.31	0.76	0.60	-10.52
	9740.00	2.59	215.73	25	9715.90	188.96	188.96 N	463.49 W	500.53	292.18	1.20	-0.28	-25.56
	9765.00	2.38	212.47	25	9740.88	188.06	188.06 N	464.10 W	500.75	292.06	1.01	-0.84	-13.04
	9790.00	2.23	213.58	25	9765.86	187.22	187.22 N	464.64 W	500.94	291.95	0.63	-0.60	4.44
	9815.00	2.08	219.34	25	9790.84	186.47	186.47 N	465.20 W	501.18	291.84	1.05	-0.60	23.04
	9840.00	2.27	217.71	25	9815.82	185.72	185.72 N	465.79 W	501.45	291.74	0.80	0.76	-6.52
	9865.00	2.03	229.74	25	9840.80	185.05	185.05 N	466.43 W	501.80	291.64	2.04	-0.96	48.12
	9890.00	2.05	240.62	25	9865.79	184.54	184.54 N	467.16 W	502.29	291.56	1.55	0.08	43.52
	9915.00	2.31	236.89	25	9890.77	184.05	184.05 N	467.97 W	502.86	291.47	1.18	1.04	-14.92
	9940.00	2.45	242.84	25	9915.75	183.53	183.53 N	468.87 W	503.51	291.38	1.14	0.56	23.80
	9965.00	2.57	242.01	25	9940.73	183.02	183.02 N	469.84 W	504.23	291.28	0.50	0.48	-3.32
	9990.00	2.56	243.32	25	9965.70	182.51	182.51 N	470.83 W	504.97	291.19	0.24	-0.04	5.24
	10015.00	2.19	239.04	25	9990.68	182.01	182.01 N	471.74 W	505.63	291.10	1.64	-1.48	-17.12
	10040.00	1.82	244.39	25	10015.66	181.59	181.59 N	472.51 W	506.20	291.02	1.66	-1.48	21.40
	10065.00	1.80	253.20	25	10040.65	181.31	181.31 N	473.24 W	506.78	290.96	1.11	-0.08	35.24



Company: EOG
 Well: Gem 36 State Com No. 503H
 Location: Lea Co., New Mexico
 Rig: BC Crane

Job Number: 65826
 Grid Corr.: -0.37
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 Long: -103.62787

Calculation Method: Minimum Curvature
 Vertical Section AZI:
 RKB - MSL in feet: 25"
 Tie Into: Ground

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)			
	10090.00	1.72	254.44	25	10065.64	181.09	181.09 N	473.98 W	507.40	290.91	0.35	-0.32	4.96
	10115.00	1.72	255.24	25	10090.63	180.90	180.90 N	474.70 W	508.00	290.86	0.10	0.00	3.20
	10140.00	1.71	260.68	25	10115.62	180.74	180.74 N	475.43 W	508.63	290.81	0.65	-0.04	21.76
	10165.00	1.49	266.00	25	10140.61	180.66	180.66 N	476.13 W	509.25	290.78	1.06	-0.88	21.28
	10190.00	1.32	265.46	25	10165.60	180.61	180.61 N	476.74 W	509.80	290.75	0.68	-0.68	-2.16
	10215.00	1.56	271.78	25	10190.59	180.60	180.60 N	477.37 W	510.39	290.72	1.15	0.96	25.28
	10240.00	1.46	278.91	25	10215.58	180.66	180.66 N	478.02 W	511.02	290.70	0.85	-0.40	28.52
	10265.00	2.13	281.74	25	10240.57	180.80	180.80 N	478.79 W	511.79	290.69	2.70	2.68	11.32
	10290.00	1.86	272.81	25	10265.56	180.92	180.92 N	479.65 W	512.64	290.67	1.64	-1.08	-35.72
	10315.00	1.96	248.94	25	10290.54	180.78	180.78 N	480.45 W	513.34	290.62	3.18	0.40	-95.48
	10340.00	2.77	199.98	25	10315.52	180.06	180.06 N	481.06 W	513.65	290.52	8.37	3.24	-195.84
	10365.00	3.78	182.72	25	10340.48	178.67	178.67 N	481.30 W	513.40	290.37	5.60	4.04	-69.04
	10390.00	6.06	189.41	25	10365.39	176.55	176.55 N	481.56 W	512.90	290.13	9.39	9.12	26.76
	10415.00	8.27	181.65	25	10390.19	173.45	173.45 N	481.83 W	512.09	289.80	9.63	8.84	-31.04
	10440.00	10.79	173.69	25	10414.85	169.32	169.32 N	481.62 W	510.52	289.37	11.35	10.08	-31.84
	10465.00	10.87	173.41	25	10439.40	164.65	164.65 N	481.09 W	508.49	288.89	0.38	0.32	-1.12
	10490.00	14.76	171.92	25	10463.77	159.16	159.16 N	480.38 W	506.06	288.33	15.61	15.56	-5.96
	10515.00	17.30	173.03	25	10487.80	152.31	152.31 N	479.48 W	503.09	287.62	10.23	10.16	4.44
	10540.00	19.76	172.21	25	10511.50	144.44	144.44 N	478.45 W	499.78	286.80	9.89	9.84	-3.28
	10565.00	22.49	171.45	25	10534.82	135.52	135.52 N	477.17 W	496.04	285.85	10.97	10.92	-3.04
	10590.00	24.62	169.92	25	10557.74	125.66	125.66 N	475.55 W	491.87	284.80	8.86	8.52	-6.12
	10615.00	26.93	169.78	25	10580.25	114.96	114.96 N	473.63 W	487.38	283.64	9.24	9.24	-0.56
	10640.00	29.36	169.24	25	10602.29	103.37	103.37 N	471.48 W	482.68	282.37	9.77	9.72	-2.16
	10665.00	32.04	169.45	25	10623.78	90.83	90.83 N	469.12 W	477.83	280.96	10.73	10.72	0.84
	10690.00	34.68	170.81	25	10644.66	77.28	77.28 N	466.77 W	473.13	279.40	10.97	10.56	5.44
	10715.00	36.99	173.21	25	10664.93	62.79	62.79 N	464.75 W	468.97	277.69	10.81	9.24	9.60
	10740.00	39.57	174.80	25	10684.55	47.39	47.39 N	463.14 W	465.55	275.84	11.05	10.32	6.36
	10765.00	42.25	175.83	25	10703.45	31.07	31.07 N	461.80 W	462.85	273.85	11.05	10.72	4.12
	10790.00	45.16	176.94	25	10721.52	13.84	13.84 N	460.72 W	460.93	271.72	12.04	11.64	4.44
	10815.00	48.13	178.50	25	10738.68	-4.32	4.32 S	460.00 W	460.02	269.46	12.72	11.88	6.24
	10840.00	50.78	178.33	25	10754.93	-23.31	23.31 S	459.47 W	460.07	267.10	10.61	10.60	-0.68



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Calculation Method: Minimum Curvature
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Survey Tool Type	Survey Depth (ft)	Inclina- tion (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)			
	10865.00	52.20	176.38	25	10770.49	-42.85	42.85 S	458.57 W	460.57	264.66	8.34	5.68	-7.80
	10890.00	54.90	176.87	25	10785.35	-62.92	62.92 S	457.39 W	461.69	262.17	10.91	10.80	1.96
	10915.00	58.27	177.66	25	10799.11	-83.76	83.76 S	456.39 W	464.02	259.60	13.74	13.48	3.16
	10940.00	61.23	177.26	25	10811.71	-105.34	105.34 S	455.44 W	467.46	256.98	11.92	11.84	-1.60
	10965.00	64.22	177.36	25	10823.16	-127.53	127.53 S	454.39 W	471.95	254.32	11.97	11.96	0.40
	10990.00	67.69	177.98	25	10833.35	-150.34	150.34 S	453.47 W	477.74	251.66	14.06	13.88	2.48
	11015.00	70.89	178.60	25	10842.19	-173.71	173.71 S	452.77 W	484.95	249.01	13.01	12.80	2.48