

Planning Report

Database: EDM
Company: EOG - Midland (3)
Project: Thames
Site: Gila B 2 Fee #1H
Well: Gila B 2 Fee #1H
Wellbore: Gila B 2 Fee #1H
Design: Plan #1

Local Co-ordinate Reference: Well Gila B 2 Fee #1H
TVD Reference: WELL @ 3594.0ft (Original Well Elev)
MD Reference: WELL @ 3594.0ft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project	Thames		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Ground Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Gila B 2 Fee #1H		
Site Position:		Northing:	711,924.50ft
From:	Map	Easting:	432,821.70ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	32° 57' 25.060 N
		Longitude:	104° 33' 8.446 W
		Grid Convergence:	-0.12 °

Well	Gila B 2 Fee #1H		
Well Position	+N/-S	0.0 ft	Northing: 711,924.50 ft
	+E/-W	0.0 ft	Easting: 432,821.70 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft
		Latitude:	32° 57' 25.060 N
		Longitude:	104° 33' 8.446 W
		Ground Level:	3,576.0 ft

Wellbore	Gila B 2 Fee #1H		
Magnetics	Model Name	Sample Date	Declination
	IGRF2005	8/17/2006	(°)
			8.64
			Dip Angle
			(°)
			60.79
			Field Strength
			(nT)
			49,384

Design	Plan #1		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	4,582.0	0.0	0.0
			Direction
			(°)
			269.91

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,168.0	0.00	0.00	4,168.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,925.1	90.00	269.92	4,650.0	-0.7	-482.0	11.89	11.89	0.00	269.92	
6,443.2	90.00	269.92	4,650.0	-2.8	-2,000.1	0.00	0.00	0.00	0.00	
6,510.2	92.01	269.91	4,648.8	-2.9	-2,067.0	3.00	3.00	-0.02	-0.30	
8,417.0	92.01	269.91	4,582.0	-5.9	-3,972.7	0.00	0.00	0.00	0.00	
8,417.3	92.00	269.91	4,582.0	-5.9	-3,973.0	3.00	-3.00	0.16	177.04	BHL (Gila B #1H)

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Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,168.0	0.00	0.00	4,168.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	3.80	269.92	4,200.0	0.0	-1.1	1.1	11.89	11.89	0.00
4,300.0	15.69	269.92	4,298.4	0.0	-18.0	18.0	11.89	11.89	0.00
4,400.0	27.58	269.92	4,391.1	-0.1	-54.8	54.8	11.89	11.89	0.00
4,500.0	39.47	269.92	4,474.4	-0.2	-109.9	109.9	11.89	11.89	0.00
4,600.0	51.35	269.92	4,544.4	-0.3	-181.0	181.0	11.89	11.89	0.00
4,700.0	63.24	269.92	4,598.4	-0.4	-265.0	265.0	11.89	11.89	0.00
4,800.0	75.13	269.92	4,633.9	-0.5	-358.3	358.3	11.89	11.89	0.00
4,900.0	87.01	269.92	4,649.3	-0.6	-456.9	456.9	11.89	11.89	0.00
4,925.1	90.00	269.92	4,650.0	-0.7	-482.0	482.0	11.89	11.89	0.00
5,000.0	90.00	269.92	4,650.0	-0.8	-556.9	556.9	0.00	0.00	0.00
5,100.0	90.00	269.92	4,650.0	-0.9	-656.9	656.9	0.00	0.00	0.00

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Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,200.0	90.00	269.92	4,650.0	-1.1	-756.9	756.9	0.00	0.00	0.00
5,300.0	90.00	269.92	4,650.0	-1.2	-856.9	856.9	0.00	0.00	0.00
5,400.0	90.00	269.92	4,650.0	-1.3	-956.9	956.9	0.00	0.00	0.00
5,500.0	90.00	269.92	4,650.0	-1.5	-1,056.9	1,056.9	0.00	0.00	0.00
5,600.0	90.00	269.92	4,650.0	-1.6	-1,156.9	1,156.9	0.00	0.00	0.00
5,700.0	90.00	269.92	4,650.0	-1.8	-1,256.9	1,256.9	0.00	0.00	0.00
5,800.0	90.00	269.92	4,650.0	-1.9	-1,356.9	1,356.9	0.00	0.00	0.00
5,900.0	90.00	269.92	4,650.0	-2.0	-1,456.9	1,456.9	0.00	0.00	0.00
6,000.0	90.00	269.92	4,650.0	-2.2	-1,556.9	1,556.9	0.00	0.00	0.00
6,100.0	90.00	269.92	4,650.0	-2.3	-1,656.9	1,656.9	0.00	0.00	0.00
6,200.0	90.00	269.92	4,650.0	-2.5	-1,756.9	1,756.9	0.00	0.00	0.00
6,300.0	90.00	269.92	4,650.0	-2.6	-1,856.9	1,856.9	0.00	0.00	0.00
6,400.0	90.00	269.92	4,650.0	-2.7	-1,956.9	1,956.9	0.00	0.00	0.00
6,443.2	90.00	269.92	4,650.0	-2.8	-2,000.1	2,000.1	0.00	0.00	0.00
6,500.0	91.70	269.91	4,649.2	-2.9	-2,056.9	2,056.9	3.00	3.00	-0.02
6,510.2	92.01	269.91	4,648.8	-2.9	-2,067.0	2,067.0	3.00	3.00	-0.02
6,600.0	92.01	269.91	4,645.7	-3.0	-2,156.8	2,156.8	0.00	0.00	0.00
6,700.0	92.01	269.91	4,642.2	-3.2	-2,256.7	2,256.7	0.00	0.00	0.00
6,800.0	92.01	269.91	4,638.7	-3.3	-2,356.7	2,356.7	0.00	0.00	0.00
6,900.0	92.01	269.91	4,635.2	-3.5	-2,456.6	2,456.6	0.00	0.00	0.00
7,000.0	92.01	269.91	4,631.7	-3.7	-2,556.6	2,556.6	0.00	0.00	0.00
7,100.0	92.01	269.91	4,628.2	-3.8	-2,656.5	2,656.5	0.00	0.00	0.00
7,200.0	92.01	269.91	4,624.7	-4.0	-2,756.4	2,756.4	0.00	0.00	0.00
7,300.0	92.01	269.91	4,621.2	-4.1	-2,856.4	2,856.4	0.00	0.00	0.00
7,400.0	92.01	269.91	4,617.6	-4.3	-2,956.3	2,956.3	0.00	0.00	0.00
7,500.0	92.01	269.91	4,614.1	-4.5	-3,056.3	3,056.3	0.00	0.00	0.00
7,600.0	92.01	269.91	4,610.6	-4.6	-3,156.2	3,156.2	0.00	0.00	0.00
7,700.0	92.01	269.91	4,607.1	-4.8	-3,256.1	3,256.1	0.00	0.00	0.00
7,800.0	92.01	269.91	4,603.6	-4.9	-3,356.1	3,356.1	0.00	0.00	0.00
7,900.0	92.01	269.91	4,600.1	-5.1	-3,456.0	3,456.0	0.00	0.00	0.00
8,000.0	92.01	269.91	4,596.6	-5.2	-3,555.9	3,555.9	0.00	0.00	0.00
8,100.0	92.01	269.91	4,593.1	-5.4	-3,655.9	3,655.9	0.00	0.00	0.00
8,200.0	92.01	269.91	4,589.6	-5.6	-3,755.8	3,755.8	0.00	0.00	0.00
8,300.0	92.01	269.91	4,586.1	-5.7	-3,855.8	3,855.8	0.00	0.00	0.00
8,400.0	92.01	269.91	4,582.6	-5.9	-3,955.7	3,955.7	0.00	0.00	0.00
8,417.0	92.01	269.91	4,582.0	-5.9	-3,972.7	3,972.7	0.00	0.00	0.00
8,417.3	92.00	269.91	4,582.0	-5.9	-3,973.0	3,973.0	3.00	-3.00	0.16

Targets

Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- Shape									
BHL (Gila B #1H)	0.00	0.00	4,582.0	-5.9	-3,973.0	711,918.60	428,848.70	32° 57' 24.917 N	104° 33' 55.075 W
- plan hits target									
- Point									

SITE DETAILS: Gila B 2 Fee #1H

Site Centre Northing: 711924.50
Easting: 432821.70

Positional Uncertainty: 0.0
Convergence: -0.12
Local North: Grid

PROJECT DETAILS: Thames

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001

System Datum: Ground Level

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
4168.0	0.00	0.00	4168.0	0.0	0.0	0.00	0.00	0.0	
4925.1	90.00	269.92	4650.0	-0.7	-482.0	11.89	269.92	482.0	
6443.2	90.00	269.92	4650.0	-2.8	-2000.1	0.00	0.00	2000.1	
6510.2	92.01	269.91	4648.8	-2.9	-2067.0	3.00	-0.30	2067.0	
8417.0	92.01	269.91	4582.0	-5.9	-3972.7	0.00	0.00	3972.7	
8417.3	92.00	269.91	4582.0	-5.9	-3973.0	3.00	177.04	3973.0	BHL (Gila B #1H)

