Magpie Operating, Inc.

Well Name: Bunker 8-1H
Surface Location: Bunker 8 Well Pad Sec.29-T5N-R68W
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone
Ground Elevation: 4997.0

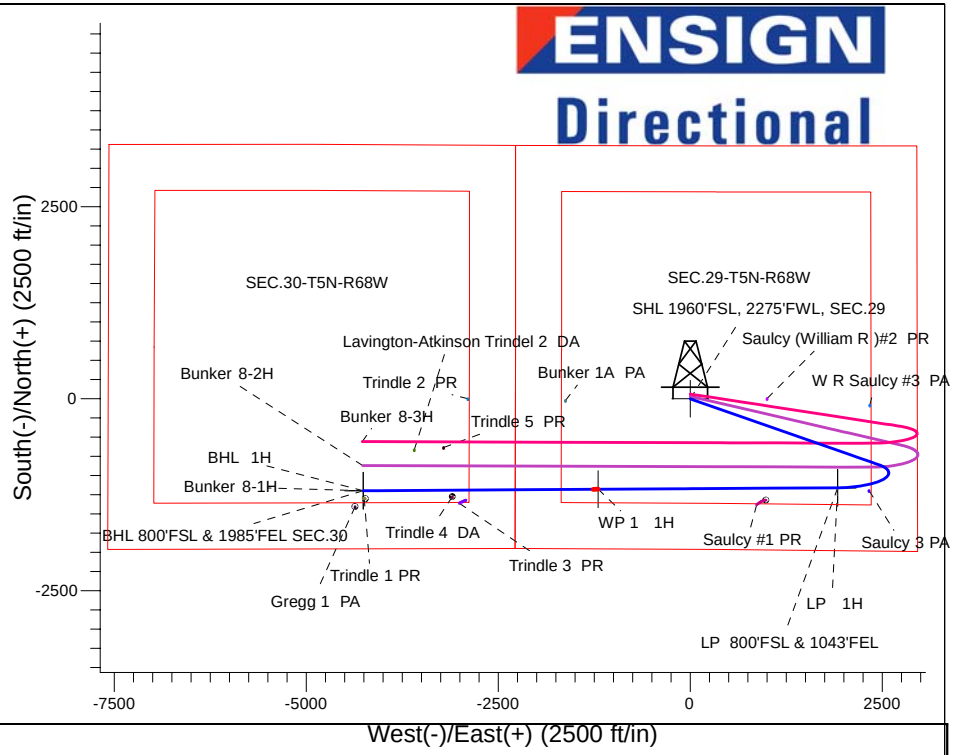
+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	Slot
0.0	0.0	1377695.09	3130398.62	40.369230	-105.032010	
		Original Well Elev		WELL @ 5013.0ft (Original Well Elev)		

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Longitude	Latitude
SHL 1960'FSL, 2275'FWL, SEC.29	1.0	0.0	0.0	40.369230	-105.032010
BHL 1H	4750.0	-1197.1	-4258.0	40.365943	-105.047290
BHL 800'FSL & 1985'FEL SEC.30	4750.0	-1197.0	-4258.0	40.365943	-105.047290
WP 1 1H	4800.0	-1177.8	-1200.5	40.365997	-105.036318
LP 1H	4950.0	-1158.1	1921.1	40.366051	-105.025116
LP 800'FSL & 1043'FEL	4950.0	-1158.0	1921.0	40.366051	-105.025116

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSec	Departure	Annotation
200.0	200.0	0.00	0.00	0.0	0.0	0.0	0.0	KOP 1 200'MD Start Build 3.00
1433.9	1541.5	40.24	109.27	-149.2	426.7	-370.4	452.1	Start 3323.5 hold at 1541.5 MD
3970.7	4865.0	40.24	109.27	-857.6	2453.6	-2129.9	2599.2	KOP 2 4865'MD Start DLS 9.00
4950.0	6310.8	92.75	269.64	-1158.1	1921.1	-1536.0	3503.1	LP 6310'MD 4950'TVD
4800.0	9436.0	92.75	269.64	-1177.8	-1200.5	1474.4	6624.8	WP 1 9436'MD 4800'TVD
4797.1	9528.1	90.91	269.64	-1178.4	-1292.5	1563.2	6716.8	Start 2965.9 hold at 9528.1 MD
4750.0	12494.0	90.91	269.64	-1197.1	-4258.0	4423.0	9682.3	TD at 12494.0'MD 4750'TVD



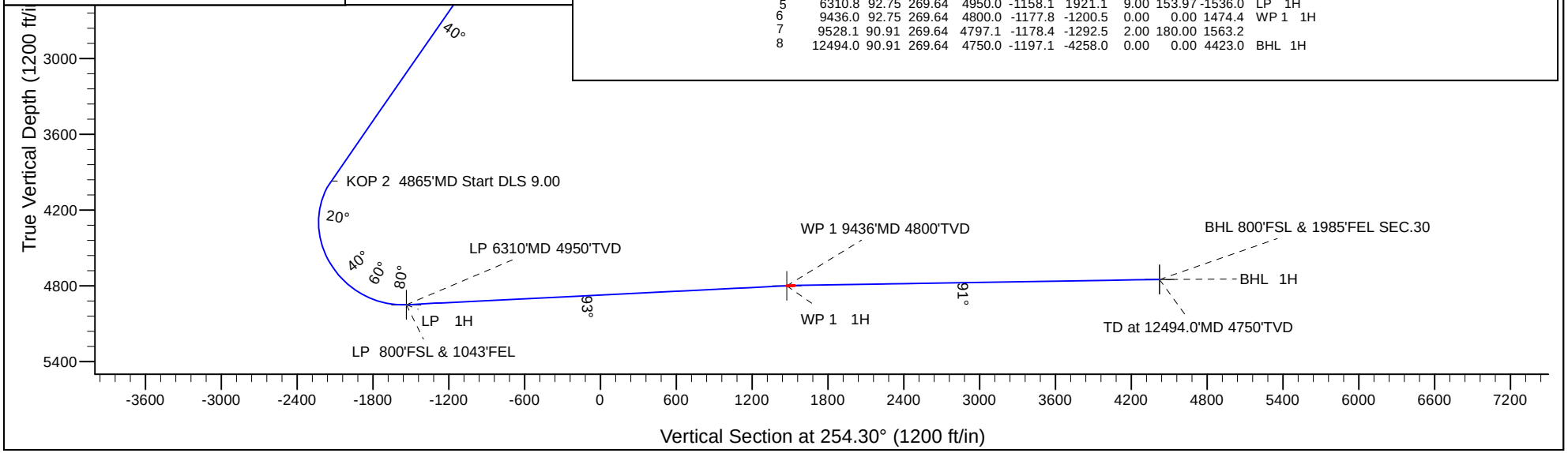
Bunker 8 Well Pad Sec.29-T5N-R68W
Bunker 8-1H
Plan #7 (7-16-21)
9:25, July 16 2021

Azimuths to True North
Magnetic North: 8.20°

Magnetic Field
Strength: 51867.1snT
Dip Angle: 66.53°
Date: 06/29/2021
Model: HDGM

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	200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.0	
3	1541.5	40.24	109.27	1433.9	-149.2	426.7	3.00	109.27	-370.4	
4	4865.0	40.24	109.27	3970.7	-857.6	2453.6	0.00	0.00	-2129.9	
5	6310.8	92.75	269.64	4950.0	-1158.1	1921.1	9.00	153.97	-1536.0	LP 1H
6	9436.0	92.75	269.64	4800.0	-1177.8	-1200.5	0.00	0.00	1474.4	WP 1 1H
7	9528.1	90.91	269.64	4797.1	-1178.4	-1292.5	2.00	180.00	1563.2	
8	12494.0	90.91	269.64	4750.0	-1197.1	-4258.0	0.00	0.00	4423.0	BHL 1H



Magpie Operating, Inc.

SEC.29-T5N-R68W
Bunker 8 Well Pad Sec.29-T5N-R68W
Bunker 8-1H

Wellbore #1

Plan: Plan #7 (7-16-21)

Standard Planning Report

16 July, 2021

Database:	US_EDM	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Company:	Magpie Operating, Inc.	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Project:	SEC.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**North Reference:**	True
Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #7 (7-16-21)		

Project SEC.29-T5N-R68W, Laramier County, CO

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site Bunker 8 Well Pad Sec.29-T5N-R68W

Site Position:		**Northing:**	1,377,695.11 usft	**Latitude:**	40.369230
From:	Lat/Long	**Easting:**	3,130,398.62 usft	**Longitude:**	-105.032010
Position Uncertainty:	0.0 ft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.30 °

Well Bunker 8-1H

Well Position	**+N/-S**	0.0 ft	**Northing:**	1,377,695.09 usft	**Latitude:**	40.369230
	+E/-W	0.0 ft	**Easting:**	3,130,398.62 usft	**Longitude:**	-105.032010
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	0.0 ft	**Ground Level:**	4,997.0 ft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	12/07/2018	8.45	66.63	52,137
	HDGM	06/29/2021	8.20	66.53	51,867

Design Plan #7 (7-16-21)

Audit Notes:

Version:	**Phase:**	PLAN	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	254.30

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,541.5	40.24	109.27	1,433.9	-149.2	426.7	3.00	3.00	0.00	109.27	
4,865.0	40.24	109.27	3,970.7	-857.6	2,453.6	0.00	0.00	0.00	0.00	
6,310.8	92.75	269.64	4,950.0	-1,158.1	1,921.1	9.00	3.63	11.09	153.97	LP 1H
9,436.0	92.75	269.64	4,800.0	-1,177.8	-1,200.5	0.00	0.00	0.00	0.00	WP 1 1H
9,528.1	90.91	269.64	4,797.1	-1,178.4	-1,292.5	2.00	-2.00	0.00	180.00	
12,494.0	90.91	269.64	4,750.0	-1,197.1	-4,258.0	0.00	0.00	0.00	0.00	BHL 1H

Database:	US_EDM	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Company:	Magpie Operating, Inc.	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Project:	SEC.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**North Reference:**	True
Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #7 (7-16-21)		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
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
KOP 1 200'MD Start Build 3.00									
300.0	3.00	109.27	300.0	-0.9	2.5	-2.1	3.00	3.00	0.00
400.0	6.00	109.27	399.6	-3.5	9.9	-8.6	3.00	3.00	0.00
500.0	9.00	109.27	498.8	-7.8	22.2	-19.3	3.00	3.00	0.00
600.0	12.00	109.27	597.1	-13.8	39.4	-34.2	3.00	3.00	0.00
700.0	15.00	109.27	694.3	-21.5	61.4	-53.3	3.00	3.00	0.00
800.0	18.00	109.27	790.2	-30.8	88.2	-76.6	3.00	3.00	0.00
900.0	21.00	109.27	884.4	-41.9	119.7	-104.0	3.00	3.00	0.00
1,000.0	24.00	109.27	976.8	-54.5	155.9	-135.3	3.00	3.00	0.00
1,100.0	27.00	109.27	1,067.1	-68.7	196.5	-170.6	3.00	3.00	0.00
1,200.0	30.00	109.27	1,154.9	-84.4	241.5	-209.7	3.00	3.00	0.00
1,300.0	33.00	109.27	1,240.2	-101.7	290.9	-252.5	3.00	3.00	0.00
1,400.0	36.00	109.27	1,322.6	-120.3	344.3	-298.9	3.00	3.00	0.00
1,500.0	39.00	109.27	1,401.9	-140.4	401.8	-348.8	3.00	3.00	0.00
1,541.5	40.24	109.27	1,433.9	-149.2	426.7	-370.4	3.00	3.00	0.00
Start 3323.5 hold at 1541.5 MD									
1,600.0	40.24	109.27	1,478.5	-161.6	462.4	-401.4	0.00	0.00	0.00
1,700.0	40.24	109.27	1,554.9	-182.9	523.4	-454.4	0.00	0.00	0.00
1,800.0	40.24	109.27	1,631.2	-204.3	584.4	-507.3	0.00	0.00	0.00
1,900.0	40.24	109.27	1,707.5	-225.6	645.4	-560.3	0.00	0.00	0.00
2,000.0	40.24	109.27	1,783.9	-246.9	706.4	-613.2	0.00	0.00	0.00
2,100.0	40.24	109.27	1,860.2	-268.2	767.4	-666.1	0.00	0.00	0.00
2,200.0	40.24	109.27	1,936.5	-289.5	828.4	-719.1	0.00	0.00	0.00
2,300.0	40.24	109.27	2,012.8	-310.8	889.3	-772.0	0.00	0.00	0.00
2,400.0	40.24	109.27	2,089.2	-332.2	950.3	-825.0	0.00	0.00	0.00
2,500.0	40.24	109.27	2,165.5	-353.5	1,011.3	-877.9	0.00	0.00	0.00
2,600.0	40.24	109.27	2,241.8	-374.8	1,072.3	-930.9	0.00	0.00	0.00
2,700.0	40.24	109.27	2,318.2	-396.1	1,133.3	-983.8	0.00	0.00	0.00
2,800.0	40.24	109.27	2,394.5	-417.4	1,194.3	-1,036.7	0.00	0.00	0.00
2,900.0	40.24	109.27	2,470.8	-438.7	1,255.3	-1,089.7	0.00	0.00	0.00
3,000.0	40.24	109.27	2,547.2	-460.1	1,316.3	-1,142.6	0.00	0.00	0.00
3,100.0	40.24	109.27	2,623.5	-481.4	1,377.2	-1,195.6	0.00	0.00	0.00
3,200.0	40.24	109.27	2,699.8	-502.7	1,438.2	-1,248.5	0.00	0.00	0.00
3,300.0	40.24	109.27	2,776.1	-524.0	1,499.2	-1,301.4	0.00	0.00	0.00
3,400.0	40.24	109.27	2,852.5	-545.3	1,560.2	-1,354.4	0.00	0.00	0.00
3,500.0	40.24	109.27	2,928.8	-566.6	1,621.2	-1,407.3	0.00	0.00	0.00
3,600.0	40.24	109.27	3,005.1	-587.9	1,682.2	-1,460.3	0.00	0.00	0.00
3,700.0	40.24	109.27	3,081.5	-609.3	1,743.2	-1,513.2	0.00	0.00	0.00
3,800.0	40.24	109.27	3,157.8	-630.6	1,804.1	-1,566.1	0.00	0.00	0.00
3,900.0	40.24	109.27	3,234.1	-651.9	1,865.1	-1,619.1	0.00	0.00	0.00
4,000.0	40.24	109.27	3,310.5	-673.2	1,926.1	-1,672.0	0.00	0.00	0.00
4,100.0	40.24	109.27	3,386.8	-694.5	1,987.1	-1,725.0	0.00	0.00	0.00
4,200.0	40.24	109.27	3,463.1	-715.8	2,048.1	-1,777.9	0.00	0.00	0.00
4,300.0	40.24	109.27	3,539.4	-737.2	2,109.1	-1,830.8	0.00	0.00	0.00
4,400.0	40.24	109.27	3,615.8	-758.5	2,170.1	-1,883.8	0.00	0.00	0.00
4,500.0	40.24	109.27	3,692.1	-779.8	2,231.0	-1,936.7	0.00	0.00	0.00
4,600.0	40.24	109.27	3,768.4	-801.1	2,292.0	-1,989.7	0.00	0.00	0.00
4,700.0	40.24	109.27	3,844.8	-822.4	2,353.0	-2,042.6	0.00	0.00	0.00
4,800.0	40.24	109.27	3,921.1	-843.7	2,414.0	-2,095.6	0.00	0.00	0.00
4,865.0	40.24	109.27	3,970.7	-857.6	2,453.6	-2,129.9	0.00	0.00	0.00

Database:	US_EDM	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Company:	Magpie Operating, Inc.	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Project:	SEC.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**North Reference:**	True
Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #7 (7-16-21)		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
KOP 2 4865'MD Start DLS 9.00									
4,900.0	37.43	111.54	3,998.0	-865.2	2,474.2	-2,147.7	9.00	-8.03	6.50
5,000.0	29.72	120.00	4,081.3	-888.8	2,524.1	-2,189.3	9.00	-7.71	8.46
5,100.0	22.87	133.31	4,170.9	-914.6	2,559.7	-2,216.7	9.00	-6.85	13.30
5,200.0	17.89	155.10	4,264.8	-941.9	2,580.4	-2,229.2	9.00	-4.98	21.80
5,300.0	16.57	185.50	4,360.5	-970.1	2,585.5	-2,226.4	9.00	-1.32	30.40
5,400.0	19.66	213.01	4,455.7	-998.5	2,575.0	-2,208.6	9.00	3.09	27.52
5,500.0	25.61	230.76	4,548.1	-1,026.3	2,549.0	-2,176.1	9.00	5.95	17.75
5,600.0	32.91	241.64	4,635.3	-1,053.0	2,508.3	-2,129.7	9.00	7.29	10.88
5,700.0	40.82	248.82	4,715.3	-1,077.7	2,453.8	-2,070.5	9.00	7.92	7.17
5,800.0	49.06	253.97	4,786.0	-1,100.0	2,386.9	-2,000.1	9.00	8.24	5.15
5,900.0	57.48	257.96	4,845.8	-1,119.3	2,309.2	-1,920.0	9.00	8.42	3.99
6,000.0	66.00	261.26	4,893.1	-1,135.0	2,222.6	-1,832.5	9.00	8.52	3.30
6,100.0	74.58	264.15	4,926.8	-1,146.9	2,129.3	-1,739.4	9.00	8.58	2.89
6,200.0	83.19	266.80	4,946.1	-1,154.6	2,031.6	-1,643.3	9.00	8.62	2.66
6,300.0	91.82	269.36	4,950.4	-1,158.0	1,931.9	-1,546.4	9.00	8.63	2.56
6,310.8	92.75	269.64	4,950.0	-1,158.1	1,921.1	-1,536.0	9.00	8.63	2.56
LP 6310'MD 4950'TVD									
6,400.0	92.75	269.64	4,945.7	-1,158.6	1,832.0	-1,450.0	0.00	0.00	0.00
6,500.0	92.75	269.64	4,940.9	-1,159.2	1,732.1	-1,353.7	0.00	0.00	0.00
6,600.0	92.75	269.64	4,936.1	-1,159.9	1,632.2	-1,257.4	0.00	0.00	0.00
6,700.0	92.75	269.64	4,931.3	-1,160.5	1,532.3	-1,161.0	0.00	0.00	0.00
6,800.0	92.75	269.64	4,926.5	-1,161.1	1,432.4	-1,064.7	0.00	0.00	0.00
6,900.0	92.75	269.64	4,921.7	-1,161.8	1,332.6	-968.4	0.00	0.00	0.00
7,000.0	92.75	269.64	4,916.9	-1,162.4	1,232.7	-872.1	0.00	0.00	0.00
7,100.0	92.75	269.64	4,912.1	-1,163.0	1,132.8	-775.7	0.00	0.00	0.00
7,200.0	92.75	269.64	4,907.3	-1,163.7	1,032.9	-679.4	0.00	0.00	0.00
7,300.0	92.75	269.64	4,902.5	-1,164.3	933.0	-583.1	0.00	0.00	0.00
7,400.0	92.75	269.64	4,897.7	-1,164.9	833.1	-486.8	0.00	0.00	0.00
7,500.0	92.75	269.64	4,892.9	-1,165.6	733.3	-390.4	0.00	0.00	0.00
7,600.0	92.75	269.64	4,888.1	-1,166.2	633.4	-294.1	0.00	0.00	0.00
7,700.0	92.75	269.64	4,883.3	-1,166.8	533.5	-197.8	0.00	0.00	0.00
7,800.0	92.75	269.64	4,878.5	-1,167.5	433.6	-101.5	0.00	0.00	0.00
7,900.0	92.75	269.64	4,873.7	-1,168.1	333.7	-5.1	0.00	0.00	0.00
8,000.0	92.75	269.64	4,868.9	-1,168.7	233.9	91.2	0.00	0.00	0.00
8,100.0	92.75	269.64	4,864.1	-1,169.3	134.0	187.5	0.00	0.00	0.00
8,200.0	92.75	269.64	4,859.3	-1,170.0	34.1	283.8	0.00	0.00	0.00
8,300.0	92.75	269.64	4,854.5	-1,170.6	-65.8	380.2	0.00	0.00	0.00
8,400.0	92.75	269.64	4,849.7	-1,171.2	-165.7	476.5	0.00	0.00	0.00
8,500.0	92.75	269.64	4,844.9	-1,171.9	-265.6	572.8	0.00	0.00	0.00
8,600.0	92.75	269.64	4,840.1	-1,172.5	-365.4	669.1	0.00	0.00	0.00
8,700.0	92.75	269.64	4,835.3	-1,173.1	-465.3	765.5	0.00	0.00	0.00
8,800.0	92.75	269.64	4,830.5	-1,173.8	-565.2	861.8	0.00	0.00	0.00
8,900.0	92.75	269.64	4,825.7	-1,174.4	-665.1	958.1	0.00	0.00	0.00
9,000.0	92.75	269.64	4,820.9	-1,175.0	-765.0	1,054.4	0.00	0.00	0.00
9,100.0	92.75	269.64	4,816.1	-1,175.7	-864.9	1,150.8	0.00	0.00	0.00
9,200.0	92.75	269.64	4,811.3	-1,176.3	-964.7	1,247.1	0.00	0.00	0.00
9,300.0	92.75	269.64	4,806.5	-1,176.9	-1,064.6	1,343.4	0.00	0.00	0.00
9,400.0	92.75	269.64	4,801.7	-1,177.6	-1,164.5	1,439.8	0.00	0.00	0.00
9,436.0	92.75	269.64	4,800.0	-1,177.8	-1,200.5	1,474.4	0.00	0.00	0.00
WP 1 9436'MD 4800'TVD									
9,500.0	91.47	269.64	4,797.6	-1,178.2	-1,264.4	1,536.1	2.00	-2.00	0.00
9,528.1	90.91	269.64	4,797.1	-1,178.4	-1,292.5	1,563.2	2.00	-2.00	0.00

Database:	US_EDM	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Company:	Magpie Operating, Inc.	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Project:	SEC.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**North Reference:**	True
Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #7 (7-16-21)		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
Start 2965.9 hold at 9528.1 MD									
9,600.0	90.91	269.64	4,795.9	-1,178.8	-1,364.4	1,632.5	0.00	0.00	0.00
9,700.0	90.91	269.64	4,794.3	-1,179.4	-1,464.4	1,729.0	0.00	0.00	0.00
9,800.0	90.91	269.64	4,792.7	-1,180.1	-1,564.4	1,825.4	0.00	0.00	0.00
9,900.0	90.91	269.64	4,791.2	-1,180.7	-1,664.4	1,921.8	0.00	0.00	0.00
10,000.0	90.91	269.64	4,789.6	-1,181.3	-1,764.3	2,018.2	0.00	0.00	0.00
10,100.0	90.91	269.64	4,788.0	-1,182.0	-1,864.3	2,114.7	0.00	0.00	0.00
10,200.0	90.91	269.64	4,786.4	-1,182.6	-1,964.3	2,211.1	0.00	0.00	0.00
10,300.0	90.91	269.64	4,784.8	-1,183.2	-2,064.3	2,307.5	0.00	0.00	0.00
10,400.0	90.91	269.64	4,783.2	-1,183.9	-2,164.3	2,403.9	0.00	0.00	0.00
10,500.0	90.91	269.64	4,781.6	-1,184.5	-2,264.3	2,500.4	0.00	0.00	0.00
10,600.0	90.91	269.64	4,780.1	-1,185.1	-2,364.3	2,596.8	0.00	0.00	0.00
10,700.0	90.91	269.64	4,778.5	-1,185.8	-2,464.2	2,693.2	0.00	0.00	0.00
10,800.0	90.91	269.64	4,776.9	-1,186.4	-2,564.2	2,789.6	0.00	0.00	0.00
10,900.0	90.91	269.64	4,775.3	-1,187.0	-2,664.2	2,886.0	0.00	0.00	0.00
11,000.0	90.91	269.64	4,773.7	-1,187.7	-2,764.2	2,982.5	0.00	0.00	0.00
11,100.0	90.91	269.64	4,772.1	-1,188.3	-2,864.2	3,078.9	0.00	0.00	0.00
11,200.0	90.91	269.64	4,770.5	-1,188.9	-2,964.2	3,175.3	0.00	0.00	0.00
11,300.0	90.91	269.64	4,768.9	-1,189.6	-3,064.2	3,271.7	0.00	0.00	0.00
11,400.0	90.91	269.64	4,767.4	-1,190.2	-3,164.1	3,368.2	0.00	0.00	0.00
11,500.0	90.91	269.64	4,765.8	-1,190.8	-3,264.1	3,464.6	0.00	0.00	0.00
11,600.0	90.91	269.64	4,764.2	-1,191.5	-3,364.1	3,561.0	0.00	0.00	0.00
11,700.0	90.91	269.64	4,762.6	-1,192.1	-3,464.1	3,657.4	0.00	0.00	0.00
11,800.0	90.91	269.64	4,761.0	-1,192.7	-3,564.1	3,753.9	0.00	0.00	0.00
11,900.0	90.91	269.64	4,759.4	-1,193.4	-3,664.1	3,850.3	0.00	0.00	0.00
12,000.0	90.91	269.64	4,757.8	-1,194.0	-3,764.1	3,946.7	0.00	0.00	0.00
12,100.0	90.91	269.64	4,756.3	-1,194.6	-3,864.0	4,043.1	0.00	0.00	0.00
12,200.0	90.91	269.64	4,754.7	-1,195.2	-3,964.0	4,139.6	0.00	0.00	0.00
12,300.0	90.91	269.64	4,753.1	-1,195.9	-4,064.0	4,236.0	0.00	0.00	0.00
12,400.0	90.91	269.64	4,751.5	-1,196.5	-4,164.0	4,332.4	0.00	0.00	0.00
12,494.0	90.91	269.64	4,750.0	-1,197.1	-4,258.0	4,423.0	0.00	0.00	0.00
TD at 12494.0'MD 4750'TVD									

Database:	US_EDM	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Company:	Magpie Operating, Inc.	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Project:	SEC.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**North Reference:**	True
Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #7 (7-16-21)		

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL 1960'FSL, 2275'FW - plan hits target center - Point	0.00	0.00	1.0	0.0	0.0	1,377,695.11	3,130,398.62	40.369230	-105.032010
BHL 800'FSL & 1985'FE - plan misses target center by 0.1ft at 12494.0ft MD (4750.0 TVD, -1197.1 N, -4258.0 E) - Point	0.00	0.00	4,750.0	-1,197.0	-4,258.0	1,376,475.69	3,126,147.17	40.365943	-105.047290
BHL 1H - plan hits target center - Point	0.00	0.00	4,750.0	-1,197.1	-4,258.0	1,376,475.59	3,126,147.22	40.365943	-105.047290
WP 1 1H - plan hits target center - Point	0.00	0.00	4,800.0	-1,177.8	-1,200.5	1,376,511.05	3,129,204.44	40.365997	-105.036318
LP 800'FSL & 1043'FEL - plan misses target center by 0.1ft at 6310.9ft MD (4950.0 TVD, -1158.1 N, 1921.0 E) - Point	0.00	0.00	4,950.0	-1,158.0	1,921.0	1,376,547.30	3,132,325.62	40.366051	-105.025117
LP 1H - plan hits target center - Point	0.00	0.00	4,950.0	-1,158.1	1,921.1	1,376,547.25	3,132,325.71	40.366051	-105.025116

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
200.0	200.0	0.0	0.0	KOP 1 200'MD Start Build 3.00
1,541.5	1,433.9	-149.2	426.7	Start 3323.5 hold at 1541.5 MD
4,865.0	3,970.7	-857.6	2,453.6	KOP 2 4865'MD Start DLS 9.00
6,310.8	4,950.0	-1,158.1	1,921.1	LP 6310'MD 4950'TVD
9,436.0	4,800.0	-1,177.8	-1,200.5	WP 1 9436'MD 4800'TVD
9,528.1	4,797.1	-1,178.4	-1,292.5	Start 2965.9 hold at 9528.1 MD
12,494.0	4,750.0	-1,197.1	-4,258.0	TD at 12494.0'MD 4750'TVD

ENSIGN Directional

Magpie Operating, Inc.

SEC.29-T5N-R68W
Bunker 8 Well Pad Sec.29-T5N-R68W
Bunker 8-1H

Wellbore #1
Plan #7 (7-16-21)

Anticollision Report

16 July, 2021

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Reference	Plan #7 (7-16-21)		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.0ft	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 2,000.0 ft	**Error Surface:**	Elliptical Conic
Warning Levels Evaluated at:	2.45 **Sigma**	**Casing Method:**	Not applied

Survey Tool Program **Date** 07/16/2021

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	12,494.0	Plan #7 (7-16-21) (Wellbore #1)	MWD	MWD - Standard

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Bunker 8 Well Pad Sec.29-T5N-R68W						
Bunker 8-2H - Wellbore #1 - Plan #2 (6-29-21)	200.0	197.0	32.8	32.0	40.095	CC
Bunker 8-2H - Wellbore #1 - Plan #2 (6-29-21)	12,494.0	13,041.2	328.4	-174.6	0.653	Level 1, ES, SF
Bunker 8-3H - Wellbore #1 - Plan #2 (12-06-18)	200.0	195.0	61.9	61.1	76.254	CC, ES
Bunker 8-3H - Wellbore #1 - Plan #2 (12-06-18)	12,494.0	12,756.0	727.0	278.3	1.620	SF
Bunker 8-4H - Wellbore #1 - Plan #3 (4-30-21)	200.0	194.0	91.1	90.3	112.517	CC, ES
Bunker 8-4H - Wellbore #1 - Plan #3 (4-30-21)	12,494.0	12,836.2	1,022.1	526.2	2.061	SF
Bunker 8-5H - Wellbore #1 - Plan #2 (12-06-18)	200.0	192.0	120.2	119.4	149.538	CC, ES
Bunker 8-5H - Wellbore #1 - Plan #2 (12-06-18)	12,494.0	12,911.2	1,449.1	948.1	2.892	SF
Bunker 8-6H - Wellbore #1 - Plan #2 (12-06-18)	200.0	190.0	153.0	152.2	191.632	CC, ES
Bunker 8-6H - Wellbore #1 - Plan #2 (12-06-18)	12,494.0	12,709.9	1,839.0	1,344.4	3.719	SF
Bunker 8-7H - Wellbore #1 - Plan #2 (12-06-18)	200.0	188.0	182.2	181.4	229.716	CC, ES
Bunker 8-7H - Wellbore #1 - Plan #2 (12-06-18)	4,800.0	4,492.4	1,624.7	1,485.3	11.653	SF
Bunker 8-8H - Wellbore #1 - Plan #2 (12-06-18)	200.0	186.0	211.3	210.5	268.328	CC, ES
Bunker 8-8H - Wellbore #1 - Plan #2 (12-06-18)	4,900.0	4,457.8	1,942.3	1,806.9	14.344	SF
Bunker 8-9H - Wellbore #1 - Plan #2 (12-06-18)	200.0	185.0	240.5	239.7	306.421	CC, ES
Bunker 8-9H - Wellbore #1 - Plan #2 (12-06-18)	4,400.0	3,801.2	1,967.5	1,853.1	17.197	SF

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
offset wells						
Bunker 1A PA - Wellbore #1 - Wellbore #1	9,852.8	4,778.9	1,159.7	886.5	4.245	CC
Bunker 1A PA - Wellbore #1 - Wellbore #1	9,900.0	4,778.2	1,160.7	886.1	4.227	ES
Bunker 1A PA - Wellbore #1 - Wellbore #1	10,000.0	4,776.6	1,169.0	891.4	4.211	SF
Bunker 5 PR - Wellbore #1 - Wellbore #1	8,676.5	4,420.7	452.0	377.7	6.086	CC, ES
Bunker 5 PR - Wellbore #1 - Wellbore #1	8,700.0	4,420.7	452.6	378.0	6.066	SF
Bunker 6 PR - Wellbore #1 - Wellbore #1	10,008.9	4,778.4	154.4	-21.4	0.878	Level 1, CC, ES, SF
Gregg 1 PA - Wellbore #1 - Wellbore #1	12,494.0	4,737.0	233.1	-123.2	0.654	Level 1, CC, ES, SF
Lavington-Atkinson Trindel 2 DA - Wellbore #1 - Wellbor	11,824.5	4,747.6	527.6	192.8	1.576	CC, ES, SF
Saulcy #1 PR - Wellbore #1 - Wellbore #1	7,385.1	4,573.6	380.6	313.8	5.701	CC, ES
Saulcy #1 PR - Wellbore #1 - Wellbore #1	7,400.0	4,573.6	380.8	313.9	5.688	SF
Saulcy (William R)#2 PR - Wellbore #1 - Wellbore #1	2,300.9	2,000.5	332.2	256.6	4.392	CC, ES
Saulcy (William R)#2 PR - Wellbore #1 - Wellbore #1	2,400.0	2,076.2	338.3	259.5	4.291	SF
Saulcy 3 PA - Wellbore #1 - Wellbore #1	5,897.8	4,831.6	78.0	-106.8	0.422	Level 1, CC, ES, SF
Trindle 1 PR - Wellbore #1 - Wellbore #1	12,488.1	4,322.0	427.0	330.3	4.416	CC
Trindle 1 PR - Wellbore #1 - Wellbore #1	12,494.0	4,322.0	427.0	330.3	4.413	ES, SF
Trindle 2 PR - Wellbore #1 - Wellbore #1	11,122.9	4,758.8	1,189.7	877.3	3.808	CC, ES
Trindle 2 PR - Wellbore #1 - Wellbore #1	11,300.0	4,755.9	1,202.8	884.8	3.782	SF
Trindle 3 PR - Wellbore #1 - Wellbore #1	11,243.3	4,565.1	257.9	105.5	1.692	CC, ES, SF
Trindle 4 DA - Wellbore #1 - Wellbore #1	11,332.3	4,755.4	84.0	-235.0	0.263	Level 1, CC, ES, SF
Trindle 5 PR - Wellbore #1 - Wellbore #1	11,445.2	4,753.6	557.2	234.5	1.727	CC, ES
Trindle 5 PR - Wellbore #1 - Wellbore #1	11,500.0	4,752.8	559.9	235.5	1.726	SF
W R Saulcy #3 PA - Wellbore #1 - Wellbore #1	4,300.4	3,526.8	693.5	542.7	4.599	CC
W R Saulcy #3 PA - Wellbore #1 - Wellbore #1	4,400.0	3,602.8	696.5	542.2	4.515	ES
W R Saulcy #3 PA - Wellbore #1 - Wellbore #1	4,500.0	3,679.1	705.4	548.1	4.485	SF

Offset Design Bunker 8 Well Pad Sec.29-T5N-R68W - Bunker 8-2H - Wellbore #1 - Plan #2 (6-29-21)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	0.00	32.8	0.0	32.9				
100.0	100.0	97.0	97.0	0.1	0.1	0.00	32.8	0.0	32.8	32.5	0.27	120.892	
200.0	200.0	197.0	197.0	0.4	0.4	0.00	32.8	0.0	32.8	32.0	0.82	40.095	CC
300.0	300.0	297.0	297.0	0.7	0.7	-113.44	32.8	0.0	33.7	32.4	1.36	24.792	
400.0	399.6	397.3	397.3	1.0	0.9	-121.61	32.3	2.0	36.6	34.7	1.92	19.045	
500.0	498.8	497.9	497.7	1.3	1.2	-129.01	30.9	8.3	41.1	38.5	2.54	16.155	
600.0	597.1	598.8	597.9	1.8	1.5	-135.20	28.4	18.9	47.0	43.8	3.23	14.543	
700.0	694.3	699.9	697.9	2.3	1.9	-140.14	24.9	33.9	54.4	50.4	3.99	13.630	
800.0	790.2	801.3	797.3	3.0	2.4	-143.96	20.5	53.2	63.0	58.2	4.81	13.102	
900.0	884.4	903.1	896.1	3.8	2.9	-146.88	15.0	76.9	72.7	67.0	5.69	12.786	
1,000.0	976.8	1,005.2	994.1	4.8	3.6	-149.09	8.5	104.9	83.6	76.9	6.64	12.579	
1,100.0	1,067.1	1,107.7	1,091.1	5.9	4.4	-150.76	1.0	137.2	95.4	87.7	7.68	12.422	
1,200.0	1,154.9	1,210.6	1,186.8	7.1	5.3	-152.00	-7.5	173.9	108.2	99.4	8.81	12.278	
1,300.0	1,240.2	1,314.0	1,281.2	8.5	6.4	-152.93	-17.0	215.0	121.9	111.9	10.04	12.150	
1,400.0	1,322.6	1,417.9	1,374.1	10.0	7.6	-153.61	-27.5	260.4	136.5	125.2	11.37	12.004	
1,500.0	1,401.9	1,522.3	1,465.2	11.7	8.9	-154.10	-39.0	310.1	152.0	139.1	12.83	11.846	
1,600.0	1,478.5	1,627.4	1,554.4	13.6	10.4	-154.43	-51.5	364.1	167.4	152.9	14.46	11.579	
1,700.0	1,554.9	1,733.6	1,641.9	15.4	12.0	-154.04	-65.0	422.8	179.3	162.9	16.39	10.940	
1,800.0	1,631.2	1,840.5	1,727.1	17.3	13.8	-152.91	-79.6	485.7	187.3	168.6	18.69	10.021	
1,900.0	1,707.5	1,947.7	1,809.4	19.1	15.8	-151.06	-95.1	552.6	191.4	170.0	21.44	8.926	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design Bunker 8 Well Pad Sec.29-T5N-R68W - Bunker 8-2H - Wellbore #1 - Plan #2 (6-29-21)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
2,000.0	1,783.9	2,054.7	1,888.2	21.0	17.8	-148.44	-111.4	623.1	191.9	167.1	24.78	7.745	
2,100.0	1,860.2	2,161.1	1,963.2	22.9	20.1	-144.92	-128.4	696.6	189.2	160.3	28.86	6.556	
2,200.0	1,936.5	2,266.3	2,033.8	24.7	22.4	-140.31	-146.0	772.6	183.8	149.9	33.86	5.428	
2,300.0	2,012.8	2,366.4	2,098.4	26.6	24.7	-134.85	-163.2	847.1	177.2	137.6	39.60	4.476	
2,400.0	2,089.2	2,464.7	2,161.6	28.5	27.0	-129.09	-180.2	920.4	172.3	126.5	45.73	3.767	
2,500.0	2,165.5	2,563.0	2,224.8	30.4	29.3	-123.07	-197.1	993.7	169.2	117.1	52.12	3.247	
2,600.0	2,241.8	2,661.2	2,288.0	32.3	31.6	-116.89	-214.1	1,067.0	168.1	109.6	58.53	2.873	
2,603.0	2,244.1	2,664.1	2,289.9	32.3	31.6	-116.71	-214.6	1,069.2	168.1	109.4	58.72	2.863	
2,700.0	2,318.2	2,759.5	2,351.3	34.2	33.9	-110.72	-231.1	1,140.3	169.1	104.4	64.73	2.612	
2,800.0	2,394.5	2,857.8	2,414.5	36.0	36.2	-104.68	-248.0	1,213.6	172.0	101.5	70.53	2.439	
2,900.0	2,470.8	2,956.1	2,477.7	37.9	38.5	-98.90	-265.0	1,286.9	176.9	101.1	75.79	2.334	
3,000.0	2,547.2	3,054.3	2,540.9	39.8	40.8	-93.47	-281.9	1,360.2	183.5	103.0	80.46	2.280	
3,100.0	2,623.5	3,152.6	2,604.2	41.7	43.2	-88.45	-298.9	1,433.5	191.6	107.1	84.55	2.267	
3,200.0	2,699.8	3,250.9	2,667.4	43.6	45.5	-83.86	-315.9	1,506.8	201.2	113.1	88.11	2.283	
3,300.0	2,776.1	3,349.2	2,730.6	45.5	47.8	-79.70	-332.8	1,580.1	211.9	120.7	91.23	2.323	
3,400.0	2,852.5	3,447.4	2,793.8	47.4	50.1	-75.95	-349.8	1,653.4	223.7	129.7	93.97	2.380	
3,500.0	2,928.8	3,545.7	2,857.0	49.3	52.5	-72.57	-366.8	1,726.7	236.3	139.8	96.43	2.450	
3,600.0	3,005.1	3,644.0	2,920.3	51.1	54.8	-69.55	-383.7	1,800.0	249.6	151.0	98.67	2.530	
3,700.0	3,081.5	3,742.2	2,983.5	53.0	57.1	-66.83	-400.7	1,873.3	263.6	162.9	100.74	2.617	
3,800.0	3,157.8	3,840.5	3,046.7	54.9	59.5	-64.39	-417.6	1,946.6	278.1	175.4	102.69	2.708	
3,900.0	3,234.1	3,938.8	3,109.9	56.8	61.8	-62.19	-434.6	2,020.0	293.0	188.5	104.56	2.803	
4,000.0	3,310.5	4,037.1	3,173.1	58.7	64.1	-60.21	-451.6	2,093.3	308.4	202.0	106.37	2.899	
4,100.0	3,386.8	4,135.3	3,236.4	60.6	66.5	-58.41	-468.5	2,166.6	324.1	215.9	108.13	2.997	
4,200.0	3,463.1	4,233.6	3,299.6	62.5	68.8	-56.78	-485.5	2,239.9	340.0	230.1	109.88	3.094	
4,300.0	3,539.4	4,331.9	3,362.8	64.4	71.1	-55.29	-502.4	2,313.2	356.2	244.6	111.61	3.192	
4,400.0	3,615.8	4,430.2	3,426.0	66.3	73.5	-53.93	-519.4	2,386.5	372.6	259.3	113.34	3.288	
4,500.0	3,692.1	4,528.4	3,489.3	68.2	75.8	-52.69	-536.4	2,459.8	389.2	274.2	115.07	3.383	
4,600.0	3,768.4	4,626.7	3,552.5	70.1	78.2	-51.55	-553.3	2,533.1	406.0	289.2	116.80	3.476	
4,700.0	3,844.8	4,725.0	3,615.7	71.9	80.5	-50.50	-570.3	2,606.4	422.9	304.4	118.54	3.568	
4,800.0	3,921.1	4,823.2	3,678.9	73.8	82.8	-49.53	-587.2	2,679.7	440.0	319.7	120.29	3.658	
4,900.0	3,998.0	4,923.7	3,743.5	75.7	85.2	-50.58	-604.6	2,754.5	458.0	336.1	121.92	3.757	
5,000.0	4,081.3	5,221.9	3,978.8	77.0	89.8	-57.12	-667.6	2,921.9	466.0	342.5	123.45	3.774	
5,100.0	4,170.9	5,504.4	4,246.6	77.9	91.0	-72.32	-739.3	2,962.6	446.4	319.0	127.37	3.505	
5,200.0	4,264.8	5,728.7	4,455.4	78.5	90.7	-98.80	-795.1	2,907.0	407.1	274.4	132.66	3.068	
5,300.0	4,360.5	5,898.7	4,594.0	78.8	90.4	-135.46	-832.1	2,816.7	358.3	220.2	138.16	2.594	
5,400.0	4,455.7	6,031.8	4,683.4	78.8	90.4	-170.35	-855.9	2,721.4	308.2	164.7	143.48	2.148	
5,500.0	4,548.1	6,141.5	4,741.4	78.7	90.6	163.29	-871.4	2,629.8	262.9	114.2	148.69	1.768	
5,600.0	4,635.3	6,236.2	4,778.7	78.5	90.9	142.29	-881.3	2,543.3	228.3	74.9	153.39	1.489	Level 3
5,700.0	4,715.3	6,321.1	4,801.2	78.3	91.4	123.57	-887.2	2,461.8	210.4	54.2	156.17	1.347	Level 3
5,741.7	4,746.0	6,354.3	4,807.2	78.2	91.5	116.16	-888.8	2,429.2	208.7	52.3	156.33	1.335	Level 3
5,800.0	4,786.0	6,400.0	4,812.6	78.1	91.8	106.10	-890.2	2,383.8	211.9	56.6	155.32	1.364	Level 3
5,900.0	4,845.8	6,473.7	4,814.9	78.1	92.4	90.68	-890.8	2,310.2	230.2	79.2	150.98	1.525	
6,000.0	4,893.1	6,559.7	4,814.0	78.1	93.1	77.45	-890.5	2,224.2	256.1	111.0	145.08	1.765	
6,100.0	4,926.8	6,652.6	4,813.1	78.4	93.9	68.75	-890.2	2,131.3	279.6	137.1	142.54	1.962	
6,200.0	4,946.1	6,750.1	4,812.2	78.8	94.9	64.16	-889.8	2,033.8	295.4	150.6	144.77	2.040	
6,300.0	4,950.4	6,849.8	4,811.2	79.3	96.0	63.07	-889.5	1,934.1	301.1	150.0	151.01	1.994	
6,400.0	4,945.7	6,949.8	4,810.2	79.9	97.2	63.80	-889.2	1,834.2	300.3	145.9	154.40	1.945	
6,500.0	4,940.9	7,049.7	4,809.2	80.6	98.5	64.54	-888.8	1,734.3	299.5	142.0	157.45	1.902	
6,600.0	4,936.1	7,149.6	4,808.2	81.4	99.9	65.28	-888.5	1,634.4	298.7	138.0	160.72	1.859	
6,700.0	4,931.3	7,249.5	4,807.2	82.4	101.4	66.02	-888.2	1,534.4	298.1	133.9	164.20	1.815	
6,800.0	4,926.5	7,349.4	4,806.2	83.5	103.1	66.77	-887.8	1,434.5	297.4	129.5	167.89	1.771	
6,900.0	4,921.7	7,449.4	4,805.3	84.7	104.8	67.52	-887.5	1,334.6	296.8	125.0	171.77	1.728	

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design Bunker 8 Well Pad Sec.29-T5N-R68W - Bunker 8-2H - Wellbore #1 - Plan #2 (6-29-21)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
7,000.0	4,916.9	7,549.3	4,804.3	86.1	106.5	68.27	-887.2	1,234.7	296.3	120.4	175.85	1.685	
7,100.0	4,912.1	7,649.2	4,803.3	87.6	108.4	69.02	-886.8	1,134.8	295.8	115.7	180.11	1.642	
7,200.0	4,907.3	7,749.1	4,802.3	89.2	110.4	69.78	-886.5	1,034.9	295.4	110.8	184.54	1.601	
7,300.0	4,902.5	7,849.1	4,801.3	90.9	112.4	70.54	-886.2	934.9	295.0	105.8	189.13	1.560	
7,400.0	4,897.7	7,949.0	4,800.3	92.7	114.5	71.30	-885.8	835.0	294.6	100.8	193.87	1.520	
7,500.0	4,892.9	8,048.9	4,799.3	94.5	116.6	72.06	-885.5	735.1	294.4	95.6	198.75	1.481	Level 3
7,600.0	4,888.1	8,148.8	4,798.4	96.5	118.9	72.83	-885.1	635.2	294.1	90.4	203.77	1.443	Level 3
7,700.0	4,883.3	8,248.7	4,797.4	98.6	121.1	73.59	-884.8	535.3	294.0	85.0	208.92	1.407	Level 3
7,800.0	4,878.5	8,348.7	4,796.4	100.8	123.5	74.36	-884.5	435.3	293.8	79.7	214.18	1.372	Level 3
7,900.0	4,873.7	8,448.6	4,795.4	103.0	125.9	75.13	-884.1	335.4	293.8	74.2	219.55	1.338	Level 3
7,982.5	4,869.8	8,531.1	4,794.6	104.9	127.9	75.76	-883.9	253.0	293.7	69.7	224.06	1.311	Level 3
8,000.0	4,868.9	8,548.5	4,794.4	105.3	128.3	75.89	-883.8	235.5	293.7	68.7	225.02	1.305	Level 3
8,100.0	4,864.1	8,648.4	4,793.4	107.7	130.8	76.66	-883.5	135.6	293.8	63.2	230.58	1.274	Level 3
8,200.0	4,859.3	8,748.4	4,792.4	110.1	133.3	77.43	-883.1	35.7	293.9	57.7	236.22	1.244	Level 2
8,300.0	4,854.5	8,848.3	4,791.5	112.6	135.9	78.19	-882.8	-64.2	294.0	52.1	241.93	1.215	Level 2
8,400.0	4,849.7	8,948.2	4,790.5	115.1	138.5	78.96	-882.5	-164.2	294.2	46.5	247.72	1.188	Level 2
8,500.0	4,844.9	9,048.1	4,789.5	117.7	141.1	79.72	-882.1	-264.1	294.5	40.9	253.57	1.161	Level 2
8,600.0	4,840.1	9,148.0	4,788.5	120.4	143.8	80.48	-881.8	-364.0	294.8	35.3	259.47	1.136	Level 2
8,700.0	4,835.3	9,248.0	4,787.5	123.0	146.5	81.24	-881.5	-463.9	295.1	29.7	265.41	1.112	Level 2
8,800.0	4,830.5	9,347.9	4,786.5	125.8	149.3	82.00	-881.1	-563.8	295.5	24.1	271.40	1.089	Level 2
8,900.0	4,825.7	9,447.8	4,785.5	128.5	152.1	82.76	-880.8	-663.7	296.0	18.5	277.42	1.067	Level 2
9,000.0	4,820.9	9,547.7	4,784.5	131.3	154.9	83.51	-880.5	-763.7	296.5	13.0	283.48	1.046	Level 2
9,100.0	4,816.1	9,647.7	4,783.6	134.1	157.7	84.26	-880.1	-863.6	297.0	7.5	289.55	1.026	Level 2
9,200.0	4,811.3	9,747.6	4,782.6	137.0	160.6	85.01	-879.8	-963.5	297.6	2.0	295.65	1.007	Level 2
9,300.0	4,806.5	9,847.5	4,781.6	139.9	163.4	85.76	-879.4	-1,063.4	298.3	-3.5	301.75	0.989	Level 1
9,400.0	4,801.7	9,947.4	4,780.6	142.8	166.3	86.50	-879.1	-1,163.3	299.0	-8.9	307.87	0.971	Level 1
9,500.0	4,797.6	10,047.4	4,779.6	145.7	169.3	87.11	-878.8	-1,263.3	299.8	-14.1	313.93	0.955	Level 1
9,600.0	4,795.9	10,147.4	4,778.6	148.7	172.2	87.27	-878.4	-1,363.3	300.7	-19.2	319.91	0.940	Level 1
9,700.0	4,794.3	10,247.4	4,777.6	151.7	175.2	87.39	-878.1	-1,463.2	301.7	-24.3	325.93	0.926	Level 1
9,800.0	4,792.7	10,347.4	4,776.7	154.7	178.1	87.51	-877.8	-1,563.2	302.6	-29.4	331.98	0.912	Level 1
9,900.0	4,791.2	10,447.3	4,775.7	157.7	181.1	87.63	-877.4	-1,663.2	303.5	-34.5	338.06	0.898	Level 1
10,000.0	4,789.6	10,547.3	4,774.7	160.7	184.1	87.75	-877.1	-1,763.2	304.5	-39.7	344.17	0.885	Level 1
10,100.0	4,788.0	10,647.3	4,773.7	163.8	187.2	87.87	-876.8	-1,863.2	305.4	-44.9	350.31	0.872	Level 1
10,200.0	4,786.4	10,747.3	4,772.7	166.9	190.2	87.99	-876.4	-1,963.2	306.4	-50.1	356.48	0.859	Level 1
10,300.0	4,784.8	10,847.3	4,771.7	170.0	193.3	88.11	-876.1	-2,063.2	307.3	-55.4	362.67	0.847	Level 1
10,400.0	4,783.2	10,947.3	4,770.7	173.1	196.3	88.23	-875.8	-2,163.2	308.3	-60.6	368.89	0.836	Level 1
10,500.0	4,781.6	11,047.3	4,769.7	176.2	199.4	88.34	-875.4	-2,263.1	309.2	-65.9	375.13	0.824	Level 1
10,600.0	4,780.1	11,147.3	4,768.8	179.3	202.5	88.46	-875.1	-2,363.1	310.2	-71.2	381.40	0.813	Level 1
10,700.0	4,778.5	11,247.3	4,767.8	182.5	205.6	88.57	-874.7	-2,463.1	311.1	-76.6	387.68	0.803	Level 1
10,800.0	4,776.9	11,347.3	4,766.8	185.6	208.7	88.69	-874.4	-2,563.1	312.1	-81.9	393.99	0.792	Level 1
10,900.0	4,775.3	11,447.3	4,765.8	188.8	211.9	88.80	-874.1	-2,663.1	313.0	-87.3	400.31	0.782	Level 1
11,000.0	4,773.7	11,547.3	4,764.8	192.0	215.0	88.92	-873.7	-2,763.1	314.0	-92.7	406.65	0.772	Level 1
11,100.0	4,772.1	11,647.3	4,763.8	195.1	218.1	89.03	-873.4	-2,863.1	314.9	-98.1	413.01	0.763	Level 1
11,200.0	4,770.5	11,747.3	4,762.8	198.3	221.3	89.14	-873.1	-2,963.1	315.9	-103.5	419.38	0.753	Level 1
11,300.0	4,768.9	11,847.3	4,761.8	201.5	224.5	89.25	-872.7	-3,063.1	316.9	-108.9	425.77	0.744	Level 1
11,400.0	4,767.4	11,947.2	4,760.9	204.7	227.6	89.36	-872.4	-3,163.0	317.8	-114.4	432.17	0.735	Level 1
11,500.0	4,765.8	12,047.2	4,759.9	208.0	230.8	89.47	-872.1	-3,263.0	318.8	-119.8	438.58	0.727	Level 1
11,600.0	4,764.2	12,147.2	4,758.9	211.2	234.0	89.58	-871.7	-3,363.0	319.7	-125.3	445.01	0.718	Level 1
11,700.0	4,762.6	12,247.2	4,757.9	214.4	237.2	89.69	-871.4	-3,463.0	320.7	-130.7	451.45	0.710	Level 1
11,800.0	4,761.0	12,347.2	4,756.9	217.7	240.4	89.80	-871.1	-3,563.0	321.7	-136.2	457.91	0.702	Level 1
11,900.0	4,759.4	12,447.2	4,755.9	220.9	243.6	89.90	-870.7	-3,663.0	322.6	-141.7	464.37	0.695	Level 1
12,000.0	4,757.8	12,547.2	4,754.9	224.1	246.8	90.01	-870.4	-3,763.0	323.6	-147.2	470.85	0.687	Level 1

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design Bunker 8 Well Pad Sec.29-T5N-R68W - Bunker 8-2H - Wellbore #1 - Plan #2 (6-29-21)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
12,100.0	4,756.3	12,647.2	4,754.0	227.4	250.0	90.12	-870.0	-3,863.0	324.6	-152.8	477.33	0.680	Level 1
12,200.0	4,754.7	12,747.2	4,753.0	230.7	253.3	90.22	-869.7	-3,962.9	325.5	-158.3	483.82	0.673	Level 1
12,300.0	4,753.1	12,847.2	4,752.0	233.9	256.5	90.32	-869.4	-4,062.9	326.5	-163.8	490.33	0.666	Level 1
12,400.0	4,751.5	12,947.2	4,751.0	237.2	259.7	90.43	-869.0	-4,162.9	327.5	-169.4	496.84	0.659	Level 1
12,494.0	4,750.0	13,041.2	4,750.1	240.3	262.8	90.53	-868.7	-4,256.9	328.4	-174.6	502.97	0.653	Level 1, ES, SF

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design Bunker 8 Well Pad Sec.29-T5N-R68W - Bunker 8-3H - Wellbore #1 - Plan #2 (12-06-18) — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	0.00	61.9	0.0	62.1				
100.0	100.0	95.0	95.0	0.1	0.1	0.00	61.9	0.0	61.9	61.7	0.27	230.705	
200.0	200.0	195.0	195.0	0.4	0.4	0.00	61.9	0.0	61.9	61.1	0.81	76.254	CC, ES
300.0	300.0	295.4	295.4	0.7	0.7	-109.73	61.6	2.0	62.5	61.2	1.34	46.610	
400.0	399.6	395.8	395.6	1.0	0.9	-110.68	60.7	8.3	64.1	62.2	1.91	33.619	
500.0	498.8	496.3	495.5	1.3	1.3	-112.05	59.0	18.9	66.9	64.3	2.58	25.882	
600.0	597.1	596.9	594.9	1.8	1.7	-113.71	56.7	33.9	70.8	67.4	3.40	20.809	
700.0	694.3	697.5	693.6	2.3	2.1	-115.53	53.8	53.2	75.8	71.5	4.38	17.313	
800.0	790.2	798.3	791.5	3.0	2.7	-117.41	50.2	76.7	82.1	76.5	5.53	14.836	
900.0	884.4	899.1	888.3	3.8	3.4	-119.24	45.9	104.6	89.5	82.6	6.86	13.043	
1,000.0	976.8	1,000.1	984.0	4.8	4.2	-120.97	41.0	136.7	98.1	89.8	8.37	11.721	
1,100.0	1,067.1	1,101.3	1,078.3	5.9	5.1	-122.56	35.4	172.9	108.0	97.9	10.07	10.724	
1,200.0	1,154.9	1,202.7	1,171.0	7.1	6.1	-123.98	29.2	213.4	119.0	107.0	11.95	9.960	
1,300.0	1,240.2	1,304.3	1,262.0	8.5	7.3	-125.23	22.4	257.9	131.2	117.1	14.01	9.360	
1,400.0	1,322.6	1,406.1	1,351.2	10.0	8.6	-126.32	15.0	306.5	144.5	128.2	16.27	8.881	
1,500.0	1,401.9	1,508.2	1,438.3	11.7	10.0	-127.26	6.9	359.1	158.9	140.2	18.71	8.491	
1,600.0	1,478.5	1,610.7	1,523.3	13.6	11.5	-128.04	-1.8	415.8	173.8	152.4	21.37	8.133	
1,700.0	1,554.9	1,713.8	1,606.1	15.4	13.2	-127.71	-11.1	476.5	186.8	162.4	24.40	7.656	
1,800.0	1,631.2	1,817.3	1,686.4	17.3	15.1	-126.23	-21.0	541.0	197.7	169.9	27.88	7.093	
1,900.0	1,707.5	1,920.7	1,763.5	19.1	17.1	-123.76	-31.4	609.0	206.8	174.9	31.83	6.497	
2,000.0	1,783.9	2,023.5	1,837.1	21.0	19.2	-120.39	-42.3	680.0	214.4	178.1	36.24	5.916	
2,100.0	1,860.2	2,125.4	1,906.8	22.9	21.4	-116.18	-53.5	753.5	221.2	180.2	41.06	5.388	
2,200.0	1,936.5	2,226.0	1,972.2	24.7	23.7	-111.23	-65.1	829.0	228.1	181.9	46.17	4.940	
2,300.0	2,012.8	2,324.9	2,033.3	26.6	26.1	-105.66	-76.9	905.9	235.9	184.6	51.37	4.593	
2,400.0	2,089.2	2,421.5	2,091.3	28.5	28.5	-100.12	-88.6	982.3	245.8	189.5	56.31	4.365	
2,500.0	2,165.5	2,518.1	2,149.3	30.4	30.8	-95.03	-100.3	1,058.6	257.8	196.9	60.87	4.235	
2,600.0	2,241.8	2,614.7	2,207.3	32.3	33.3	-90.41	-112.0	1,135.0	271.8	206.7	65.07	4.177	
2,700.0	2,318.2	2,711.3	2,265.3	34.2	35.7	-86.24	-123.7	1,211.4	287.4	218.5	68.92	4.170	
2,800.0	2,394.5	2,808.0	2,323.3	36.0	38.1	-82.51	-135.4	1,287.8	304.4	231.9	72.48	4.200	
2,900.0	2,470.8	2,904.6	2,381.3	37.9	40.5	-79.16	-147.1	1,364.1	322.6	246.8	75.79	4.256	
3,000.0	2,547.2	3,001.2	2,439.4	39.8	42.9	-76.17	-158.8	1,440.5	341.7	262.8	78.90	4.331	
3,100.0	2,623.5	3,097.8	2,497.4	41.7	45.3	-73.50	-170.5	1,516.9	361.7	279.8	81.84	4.419	
3,200.0	2,699.8	3,194.4	2,555.4	43.6	47.8	-71.10	-182.2	1,593.3	382.3	297.7	84.66	4.516	
3,300.0	2,776.1	3,291.1	2,613.4	45.5	50.2	-68.95	-193.9	1,669.6	403.6	316.2	87.38	4.619	
3,400.0	2,852.5	3,387.7	2,671.4	47.4	52.6	-67.01	-205.6	1,746.0	425.4	335.3	90.01	4.726	
3,500.0	2,928.8	3,484.3	2,729.4	49.3	55.1	-65.26	-217.3	1,822.4	447.5	355.0	92.59	4.834	
3,600.0	3,005.1	3,580.9	2,787.4	51.1	57.5	-63.67	-229.0	1,898.7	470.1	375.0	95.11	4.942	
3,700.0	3,081.5	3,677.5	2,845.4	53.0	59.9	-62.22	-240.7	1,975.1	493.0	395.4	97.60	5.051	
3,800.0	3,157.8	3,774.2	2,903.4	54.9	62.4	-60.90	-252.4	2,051.5	516.1	416.0	100.06	5.158	
3,900.0	3,234.1	3,870.8	2,961.5	56.8	64.8	-59.70	-264.1	2,127.9	539.5	437.0	102.50	5.263	
4,000.0	3,310.5	3,967.4	3,019.5	58.7	67.3	-58.59	-275.8	2,204.2	563.1	458.2	104.92	5.367	
4,100.0	3,386.8	4,064.0	3,077.5	60.6	69.7	-57.57	-287.5	2,280.6	586.9	479.5	107.33	5.468	
4,200.0	3,463.1	4,160.6	3,135.5	62.5	72.1	-56.64	-299.2	2,357.0	610.8	501.1	109.73	5.566	
4,300.0	3,539.4	4,257.3	3,193.5	64.4	74.6	-55.77	-310.9	2,433.4	634.9	522.8	112.12	5.663	
4,400.0	3,615.8	4,353.9	3,251.5	66.3	77.0	-54.96	-322.6	2,509.7	659.1	544.6	114.50	5.756	
4,500.0	3,692.1	4,450.5	3,309.5	68.2	79.5	-54.21	-334.3	2,586.1	683.4	566.5	116.89	5.847	
4,600.0	3,768.4	4,547.1	3,367.5	70.1	81.9	-53.52	-346.0	2,662.5	707.8	588.6	119.27	5.935	
4,700.0	3,844.8	5,500.0	4,191.3	71.9	89.6	-80.92	-512.5	2,880.0	705.2	548.0	157.17	4.487	
4,800.0	3,921.1	5,693.6	4,342.4	73.8	89.4	-103.91	-543.1	2,764.0	628.2	468.1	160.09	3.924	
4,900.0	3,998.0	5,727.7	4,365.1	75.7	89.4	-107.42	-547.7	2,739.0	556.3	395.3	160.93	3.457	
5,000.0	4,081.3	5,764.9	4,388.4	77.0	89.4	-112.69	-552.4	2,710.3	495.3	332.7	162.54	3.047	
5,100.0	4,170.9	5,808.0	4,413.1	77.9	89.5	-125.74	-557.4	2,675.5	449.6	287.3	162.25	2.771	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design Bunker 8 Well Pad Sec.29-T5N-R68W - Bunker 8-3H - Wellbore #1 - Plan #2 (12-06-18)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	4,264.8	5,853.5	4,436.8	78.5	89.6	-149.58	-562.2	2,636.9	422.8	262.1	160.64	2.632	
5,280.1	4,341.4	5,891.1	4,454.2	78.7	89.8	-176.75	-565.7	2,603.8	416.2	257.7	158.44	2.627	
5,300.0	4,360.5	5,900.5	4,458.3	78.8	89.8	176.03	-566.6	2,595.4	416.6	258.8	157.79	2.640	
5,400.0	4,455.7	5,950.0	4,477.6	78.8	90.0	142.75	-570.5	2,550.0	429.6	276.1	153.44	2.800	
5,500.0	4,548.1	6,000.0	4,493.6	78.7	90.3	118.30	-573.7	2,502.7	457.6	309.9	147.72	3.098	
5,600.0	4,635.3	6,050.0	4,505.9	78.5	90.6	100.52	-576.2	2,454.3	495.6	354.5	141.12	3.512	
5,700.0	4,715.3	6,100.0	4,514.4	78.3	91.0	86.95	-578.0	2,405.1	539.0	404.3	134.64	4.003	
5,800.0	4,786.0	6,150.0	4,519.1	78.1	91.4	76.39	-578.9	2,355.4	584.1	454.7	129.38	4.514	
5,900.0	4,845.8	6,198.1	4,520.0	78.1	91.7	68.25	-579.1	2,307.3	628.2	501.9	126.28	4.975	
6,000.0	4,893.1	6,274.2	4,518.6	78.1	92.4	61.34	-578.9	2,231.2	667.8	543.2	124.61	5.359	
6,100.0	4,926.8	6,366.8	4,516.9	78.4	93.3	56.58	-578.6	2,138.6	697.9	571.7	126.23	5.529	
6,200.0	4,946.1	6,464.1	4,515.1	78.8	94.4	53.98	-578.2	2,041.3	716.8	585.8	130.98	5.472	
6,300.0	4,950.4	6,563.7	4,513.3	79.3	95.5	53.29	-577.9	1,941.7	723.4	585.5	137.91	5.245	
6,400.0	4,945.7	6,663.7	4,511.5	79.9	96.8	53.53	-577.6	1,841.8	722.5	581.7	140.73	5.134	
6,500.0	4,940.9	6,763.6	4,509.7	80.6	98.2	53.77	-577.2	1,741.8	721.5	578.3	143.14	5.040	
6,600.0	4,936.1	6,863.6	4,507.9	81.4	99.7	54.01	-576.9	1,641.9	720.5	574.7	145.76	4.943	
6,700.0	4,931.3	6,963.5	4,506.0	82.4	101.3	54.24	-576.6	1,542.0	719.5	571.0	148.56	4.843	
6,800.0	4,926.5	7,063.5	4,504.2	83.5	103.0	54.48	-576.2	1,442.0	718.6	567.0	151.56	4.741	
6,900.0	4,921.7	7,163.4	4,502.4	84.7	104.8	54.72	-575.9	1,342.1	717.7	562.9	154.74	4.638	
7,000.0	4,916.9	7,263.4	4,500.6	86.1	106.6	54.96	-575.5	1,242.2	716.7	558.6	158.09	4.534	
7,100.0	4,912.1	7,363.4	4,498.7	87.6	108.5	55.20	-575.2	1,142.2	715.8	554.2	161.60	4.430	
7,200.0	4,907.3	7,463.3	4,496.9	89.2	110.5	55.44	-574.9	1,042.3	714.9	549.7	165.27	4.326	
7,300.0	4,902.5	7,563.3	4,495.1	90.9	112.6	55.68	-574.5	942.4	714.0	544.9	169.09	4.223	
7,400.0	4,897.7	7,663.2	4,493.3	92.7	114.7	55.92	-574.2	842.4	713.2	540.1	173.05	4.121	
7,500.0	4,892.9	7,763.2	4,491.4	94.5	116.9	56.16	-573.9	742.5	712.3	535.2	177.15	4.021	
7,600.0	4,888.1	7,863.1	4,489.6	96.5	119.2	56.40	-573.5	642.6	711.5	530.1	181.38	3.922	
7,700.0	4,883.3	7,963.1	4,487.8	98.6	121.5	56.65	-573.2	542.6	710.6	524.9	185.73	3.826	
7,800.0	4,878.5	8,063.0	4,486.0	100.8	123.9	56.89	-572.9	442.7	709.8	519.6	190.20	3.732	
7,900.0	4,873.7	8,163.0	4,484.2	103.0	126.3	57.13	-572.5	342.8	709.0	514.2	194.78	3.640	
8,000.0	4,868.9	8,262.9	4,482.3	105.3	128.8	57.38	-572.2	242.8	708.2	508.7	199.46	3.551	
8,100.0	4,864.1	8,362.9	4,480.5	107.7	131.3	57.62	-571.9	142.9	707.4	503.2	204.25	3.463	
8,200.0	4,859.3	8,462.8	4,478.7	110.1	133.9	57.87	-571.5	43.0	706.6	497.5	209.13	3.379	
8,300.0	4,854.5	8,562.8	4,476.9	112.6	136.5	58.12	-571.2	-57.0	705.9	491.8	214.11	3.297	
8,400.0	4,849.7	8,662.7	4,475.0	115.1	139.1	58.36	-570.8	-156.9	705.1	486.0	219.17	3.217	
8,500.0	4,844.9	8,762.7	4,473.2	117.7	141.8	58.61	-570.5	-256.8	704.4	480.1	224.31	3.140	
8,600.0	4,840.1	8,862.6	4,471.4	120.4	144.5	58.86	-570.2	-356.8	703.7	474.2	229.54	3.066	
8,700.0	4,835.3	8,962.6	4,469.6	123.0	147.2	59.11	-569.8	-456.7	703.0	468.1	234.84	2.993	
8,800.0	4,830.5	9,062.5	4,467.7	125.8	149.9	59.35	-569.5	-556.7	702.3	462.1	240.22	2.924	
8,900.0	4,825.7	9,162.5	4,465.9	128.5	152.7	59.60	-569.2	-656.6	701.6	456.0	245.66	2.856	
9,000.0	4,820.9	9,262.4	4,464.1	131.3	155.6	59.85	-568.8	-756.5	701.0	449.8	251.17	2.791	
9,100.0	4,816.1	9,362.4	4,462.3	134.1	158.4	60.10	-568.5	-856.5	700.3	443.6	256.75	2.728	
9,200.0	4,811.3	9,462.3	4,460.4	137.0	161.3	60.35	-568.2	-956.4	699.7	437.3	262.39	2.666	
9,300.0	4,806.5	9,562.3	4,458.6	139.9	164.1	60.61	-567.8	-1,056.3	699.0	431.0	268.09	2.607	
9,400.0	4,801.7	9,662.2	4,456.8	142.8	167.1	60.86	-567.5	-1,156.3	698.4	424.6	273.85	2.550	
9,475.2	4,798.8	9,737.4	4,455.4	145.0	169.3	61.00	-567.2	-1,231.4	698.3	420.3	277.94	2.512	
9,500.0	4,797.6	9,762.2	4,455.0	145.7	170.0	61.06	-567.1	-1,256.2	698.2	418.9	279.32	2.500	
9,600.0	4,795.9	9,862.2	4,453.2	148.7	172.9	61.09	-566.8	-1,356.2	699.1	414.5	284.59	2.456	
9,700.0	4,794.3	9,962.2	4,451.3	151.7	175.9	61.11	-566.5	-1,456.2	700.0	410.1	289.95	2.414	
9,800.0	4,792.7	10,062.2	4,449.5	154.7	178.9	61.13	-566.1	-1,556.1	701.0	405.6	295.35	2.373	
9,900.0	4,791.2	10,162.2	4,447.7	157.7	181.9	61.16	-565.8	-1,656.1	702.0	401.2	300.78	2.334	
10,000.0	4,789.6	10,262.2	4,445.9	160.7	184.9	61.18	-565.5	-1,756.1	702.9	396.7	306.24	2.295	
10,100.0	4,788.0	10,362.2	4,444.0	163.8	187.9	61.20	-565.1	-1,856.1	703.9	392.2	311.72	2.258	

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design Bunker 8 Well Pad Sec.29-T5N-R68W - Bunker 8-3H - Wellbore #1 - Plan #2 (12-06-18)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,200.0	4,786.4	10,462.2	4,442.2	166.9	191.0	61.22	-564.8	-1,956.0	704.9	387.6	317.23	2.222	
10,300.0	4,784.8	10,562.2	4,440.4	170.0	194.0	61.24	-564.5	-2,056.0	705.8	383.0	322.77	2.187	
10,400.0	4,783.2	10,662.1	4,438.6	173.1	197.1	61.26	-564.1	-2,156.0	706.8	378.5	328.32	2.153	
10,500.0	4,781.6	10,762.1	4,436.7	176.2	200.2	61.28	-563.8	-2,256.0	707.7	373.8	333.90	2.120	
10,600.0	4,780.1	10,862.1	4,434.9	179.3	203.3	61.30	-563.4	-2,356.0	708.7	369.2	339.51	2.087	
10,700.0	4,778.5	10,962.1	4,433.1	182.5	206.4	61.32	-563.1	-2,455.9	709.7	364.5	345.13	2.056	
10,800.0	4,776.9	11,062.1	4,431.3	185.6	209.5	61.34	-562.8	-2,555.9	710.6	359.9	350.77	2.026	
10,900.0	4,775.3	11,162.1	4,429.4	188.8	212.6	61.36	-562.4	-2,655.9	711.6	355.2	356.44	1.996	
11,000.0	4,773.7	11,262.1	4,427.6	192.0	215.8	61.38	-562.1	-2,755.9	712.6	350.4	362.12	1.968	
11,100.0	4,772.1	11,362.1	4,425.8	195.1	218.9	61.41	-561.8	-2,855.8	713.5	345.7	367.81	1.940	
11,200.0	4,770.5	11,462.1	4,424.0	198.3	222.1	61.43	-561.4	-2,955.8	714.5	341.0	373.53	1.913	
11,300.0	4,768.9	11,562.1	4,422.1	201.5	225.2	61.45	-561.1	-3,055.8	715.5	336.2	379.26	1.886	
11,400.0	4,767.4	11,662.1	4,420.3	204.7	228.4	61.47	-560.8	-3,155.8	716.4	331.4	385.00	1.861	
11,500.0	4,765.8	11,762.1	4,418.5	208.0	231.6	61.49	-560.4	-3,255.8	717.4	326.6	390.76	1.836	
11,600.0	4,764.2	11,862.1	4,416.7	211.2	234.8	61.51	-560.1	-3,355.7	718.3	321.8	396.53	1.812	
11,700.0	4,762.6	11,962.1	4,414.8	214.4	237.9	61.53	-559.7	-3,455.7	719.3	317.0	402.32	1.788	
11,800.0	4,761.0	12,062.1	4,413.0	217.7	241.1	61.55	-559.4	-3,555.7	720.3	312.2	408.12	1.765	
11,900.0	4,759.4	12,162.1	4,411.2	220.9	244.3	61.57	-559.1	-3,655.7	721.2	307.3	413.94	1.742	
12,000.0	4,757.8	12,262.1	4,409.4	224.1	247.6	61.59	-558.7	-3,755.6	722.2	302.4	419.76	1.721	
12,100.0	4,756.3	12,362.1	4,407.5	227.4	250.8	61.61	-558.4	-3,855.6	723.2	297.6	425.60	1.699	
12,200.0	4,754.7	12,462.1	4,405.7	230.7	254.0	61.63	-558.1	-3,955.6	724.1	292.7	431.45	1.678	
12,300.0	4,753.1	12,562.1	4,403.9	233.9	257.2	61.65	-557.7	-4,055.6	725.1	287.8	437.31	1.658	
12,400.0	4,751.5	12,662.0	4,402.1	237.2	260.5	61.67	-557.4	-4,155.6	726.1	282.9	443.18	1.638	
12,494.0	4,750.0	12,756.0	4,400.4	240.3	263.5	61.68	-557.1	-4,249.5	727.0	278.3	448.70	1.620	SF

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design Bunker 8 Well Pad Sec.29-T5N-R68W - Bunker 8-4H - Wellbore #1 - Plan #3 (4-30-21)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	0.01	91.1	0.0	91.3				
100.0	100.0	94.0	94.0	0.1	0.1	0.01	91.1	0.0	91.1	90.8	0.27	341.011	
200.0	200.0	194.0	194.0	0.4	0.4	0.01	91.1	0.0	91.1	90.3	0.81	112.517	CC, ES
300.0	300.0	294.0	294.0	0.7	0.7	-110.78	91.1	0.0	92.0	90.6	1.35	68.073	
400.0	399.6	394.0	394.0	1.0	0.9	-113.74	91.1	2.3	94.8	92.9	1.91	49.653	
500.0	498.8	494.4	494.0	1.3	1.2	-116.19	91.1	9.9	99.6	97.1	2.54	39.174	
600.0	597.1	594.8	593.7	1.8	1.6	-118.04	91.1	22.7	106.2	102.9	3.30	32.170	
700.0	694.3	695.5	692.6	2.3	2.0	-119.30	91.1	40.8	114.5	110.3	4.22	27.120	
800.0	790.2	796.2	790.6	3.0	2.5	-120.03	91.1	64.1	124.5	119.1	5.34	23.312	
900.0	884.4	896.9	887.2	3.8	3.2	-120.31	91.1	92.5	136.0	129.3	6.68	20.362	
1,000.0	976.8	997.6	982.2	4.8	4.0	-120.21	91.1	126.0	149.0	140.8	8.26	18.035	
1,100.0	1,067.1	1,098.3	1,075.3	5.9	4.9	-119.83	91.1	164.4	163.6	153.5	10.11	16.172	
1,200.0	1,154.9	1,199.0	1,166.2	7.1	6.0	-119.22	91.1	207.7	179.6	167.3	12.25	14.664	
1,300.0	1,240.2	1,299.5	1,254.5	8.5	7.2	-118.45	91.1	255.6	197.0	182.3	14.67	13.430	
1,400.0	1,322.6	1,399.9	1,340.1	10.0	8.6	-117.57	91.1	308.1	215.8	198.4	17.39	12.410	
1,500.0	1,401.9	1,500.2	1,422.7	11.7	10.1	-116.60	91.1	364.9	236.0	215.6	20.42	11.558	
1,600.0	1,478.5	1,600.4	1,502.2	13.6	11.8	-115.74	91.1	425.8	257.1	233.3	23.74	10.828	
1,700.0	1,554.9	1,700.4	1,578.2	15.4	13.6	-114.21	91.1	490.8	277.5	250.1	27.37	10.139	
1,800.0	1,631.2	1,799.8	1,650.3	17.3	15.6	-111.90	91.1	559.3	297.5	266.2	31.29	9.507	
1,900.0	1,707.5	1,898.1	1,718.0	19.1	17.7	-108.99	91.1	630.5	317.4	282.0	35.44	8.958	
2,000.0	1,783.9	1,994.6	1,781.8	21.0	19.9	-105.82	91.1	703.0	338.0	298.3	39.68	8.519	
2,100.0	1,860.2	2,090.8	1,845.1	22.9	22.0	-103.00	91.1	775.3	359.5	315.6	43.86	8.196	
2,200.0	1,936.5	2,186.9	1,908.4	24.7	24.2	-100.49	91.1	847.7	381.7	333.7	47.99	7.954	
2,300.0	2,012.8	2,283.1	1,971.8	26.6	26.4	-98.25	91.1	920.0	404.6	352.6	52.06	7.772	
2,400.0	2,089.2	2,379.3	2,035.1	28.5	28.6	-96.25	91.1	992.4	428.0	372.0	56.07	7.634	
2,500.0	2,165.5	2,475.4	2,098.5	30.4	30.8	-94.45	91.1	1,064.8	451.9	391.9	60.03	7.528	
2,600.0	2,241.8	2,571.6	2,161.8	32.3	33.0	-92.83	91.1	1,137.1	476.1	412.2	63.95	7.446	
2,700.0	2,318.2	2,667.8	2,225.2	34.2	35.3	-91.37	91.1	1,209.5	500.7	432.9	67.82	7.383	
2,800.0	2,394.5	2,763.9	2,288.5	36.0	37.5	-90.04	91.1	1,281.8	525.6	453.9	71.65	7.335	
2,900.0	2,470.8	2,860.1	2,351.8	37.9	39.7	-88.84	91.1	1,354.2	550.7	475.2	75.45	7.298	
3,000.0	2,547.2	2,956.3	2,415.2	39.8	41.9	-87.73	91.1	1,426.5	576.0	496.8	79.23	7.270	
3,100.0	2,623.5	3,052.4	2,478.5	41.7	44.1	-86.72	91.1	1,498.9	601.5	518.5	82.97	7.249	
3,200.0	2,699.8	3,158.7	2,548.5	43.6	46.6	-85.69	90.8	1,578.8	627.0	540.1	86.87	7.218	
3,300.0	2,776.1	3,301.6	2,642.7	45.5	49.7	-84.25	83.1	1,685.9	647.8	556.5	91.30	7.095	
3,400.0	2,852.5	3,399.4	2,707.2	47.4	51.9	-83.23	74.2	1,758.9	665.3	570.4	94.95	7.007	
3,500.0	2,928.8	3,497.1	2,771.6	49.3	54.2	-82.27	65.2	1,831.9	683.0	584.4	98.63	6.925	
3,600.0	3,005.1	3,594.9	2,836.0	51.1	56.4	-81.35	56.3	1,904.9	700.9	598.6	102.28	6.853	
3,700.0	3,081.5	3,692.7	2,900.5	53.0	58.7	-80.49	47.4	1,978.0	719.0	613.1	105.90	6.789	
3,800.0	3,157.8	3,790.5	2,964.9	54.9	60.9	-79.66	38.4	2,051.0	737.2	627.7	109.49	6.732	
3,900.0	3,234.1	3,888.2	3,029.3	56.8	63.2	-78.87	29.5	2,124.0	755.5	642.4	113.06	6.682	
4,000.0	3,310.5	3,986.0	3,093.8	58.7	65.5	-78.12	20.6	2,197.0	774.0	657.4	116.61	6.637	
4,100.0	3,386.8	4,083.8	3,158.2	60.6	67.7	-77.41	11.6	2,270.0	792.6	672.5	120.14	6.597	
4,200.0	3,463.1	4,181.6	3,222.6	62.5	70.0	-76.72	2.7	2,343.0	811.3	687.7	123.64	6.562	
4,300.0	3,539.4	4,279.4	3,287.1	64.4	72.3	-76.07	-6.2	2,416.0	830.1	703.0	127.12	6.530	
4,400.0	3,615.8	4,377.1	3,351.5	66.3	74.5	-75.45	-15.2	2,489.0	849.1	718.5	130.59	6.502	
4,500.0	3,692.1	4,474.9	3,415.9	68.2	76.8	-74.85	-24.1	2,562.0	868.1	734.0	134.03	6.477	
4,600.0	3,768.4	4,572.7	3,480.3	70.1	79.1	-74.28	-33.0	2,635.0	887.2	749.7	137.46	6.454	
4,700.0	3,844.8	4,670.5	3,544.8	71.9	81.3	-73.73	-42.0	2,708.0	906.4	765.5	140.88	6.434	
4,800.0	3,921.1	5,040.7	3,837.8	73.8	87.2	-75.77	-82.7	2,922.7	918.7	768.7	149.93	6.127	
4,900.0	3,998.0	5,450.3	4,236.5	75.7	87.7	-91.57	-138.2	2,931.0	892.8	732.7	160.06	5.578	
5,000.0	4,081.3	5,630.4	4,397.1	77.0	87.3	-105.96	-160.6	2,854.2	861.9	701.2	160.78	5.361	
5,100.0	4,170.9	5,743.0	4,484.3	77.9	87.2	-122.53	-172.7	2,784.2	838.3	678.2	160.04	5.238	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design Bunker 8 Well Pad Sec.29-T5N-R68W - Bunker 8-4H - Wellbore #1 - Plan #3 (4-30-21)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	4,264.8	5,829.6	4,542.2	78.5	87.3	-146.96	-180.8	2,720.4	824.1	665.3	158.83	5.189	
5,294.9	4,355.6	5,900.2	4,582.7	78.7	87.4	-178.32	-186.5	2,662.9	819.8	662.4	157.45	5.207	
5,300.0	4,360.5	5,903.8	4,584.6	78.8	87.4	179.93	-186.8	2,659.9	819.8	662.4	157.38	5.209	
5,400.0	4,455.7	5,971.3	4,616.9	78.8	87.6	149.40	-191.3	2,600.9	824.7	668.9	155.85	5.292	
5,500.0	4,548.1	6,034.6	4,641.4	78.7	87.9	128.35	-194.8	2,542.6	837.5	683.1	154.38	5.425	
5,600.0	4,635.3	6,095.3	4,659.4	78.5	88.3	113.99	-197.3	2,484.7	856.5	703.4	153.08	5.595	
5,700.0	4,715.3	6,150.0	4,670.9	78.3	88.7	103.54	-198.9	2,431.3	879.9	727.8	152.17	5.783	
5,800.0	4,786.0	6,211.9	4,678.4	78.1	89.1	94.95	-200.0	2,369.8	905.9	754.3	151.56	5.977	
5,900.0	4,845.8	6,269.0	4,680.0	78.1	89.6	88.10	-200.2	2,312.8	932.8	781.2	151.62	6.152	
6,000.0	4,893.1	6,354.3	4,678.6	78.1	90.3	81.95	-200.1	2,227.5	957.9	805.7	152.24	6.292	
6,100.0	4,926.8	6,447.0	4,677.2	78.4	91.2	77.56	-199.9	2,134.8	977.8	823.6	154.20	6.341	
6,200.0	4,946.1	6,544.4	4,675.6	78.8	92.3	74.99	-199.8	2,037.5	990.8	833.3	157.56	6.288	
6,300.0	4,950.4	6,644.0	4,674.0	79.3	93.5	74.22	-199.6	1,937.8	995.8	833.8	161.98	6.147	
6,400.0	4,945.7	6,744.0	4,672.4	79.9	94.8	74.41	-199.4	1,837.9	995.7	831.3	164.47	6.054	
6,500.0	4,940.9	6,843.9	4,670.8	80.6	96.2	74.60	-199.3	1,737.9	995.7	828.8	166.89	5.966	
6,600.0	4,936.1	6,943.9	4,669.2	81.4	97.7	74.79	-199.1	1,638.0	995.6	826.0	169.55	5.872	
6,700.0	4,931.3	7,043.8	4,667.6	82.4	99.3	74.98	-198.9	1,538.1	995.5	823.1	172.43	5.773	
6,800.0	4,926.5	7,143.8	4,666.0	83.5	101.0	75.17	-198.8	1,438.1	995.5	819.9	175.53	5.671	
6,900.0	4,921.7	7,243.7	4,664.4	84.7	102.8	75.36	-198.6	1,338.2	995.4	816.6	178.84	5.566	
7,000.0	4,916.9	7,343.6	4,662.8	86.1	104.7	75.55	-198.4	1,238.3	995.4	813.1	182.34	5.459	
7,100.0	4,912.1	7,443.6	4,661.2	87.6	106.6	75.74	-198.2	1,138.4	995.4	809.4	186.03	5.351	
7,200.0	4,907.3	7,543.5	4,659.6	89.2	108.7	75.93	-198.1	1,038.4	995.4	805.5	189.89	5.242	
7,204.2	4,907.1	7,547.7	4,659.6	89.2	108.7	75.94	-198.1	1,034.2	995.4	805.3	190.06	5.237	
7,300.0	4,902.5	7,643.5	4,658.0	90.9	110.8	76.12	-197.9	938.5	995.4	801.5	193.92	5.133	
7,400.0	4,897.7	7,743.4	4,656.4	92.7	112.9	76.31	-197.7	838.6	995.4	797.3	198.11	5.025	
7,500.0	4,892.9	7,843.4	4,654.8	94.5	115.1	76.50	-197.6	738.6	995.4	793.0	202.44	4.917	
7,600.0	4,888.1	7,943.3	4,653.2	96.5	117.4	76.69	-197.4	638.7	995.5	788.6	206.91	4.811	
7,700.0	4,883.3	8,043.3	4,651.7	98.6	119.8	76.88	-197.2	538.8	995.5	784.0	211.51	4.707	
7,800.0	4,878.5	8,143.2	4,650.1	100.8	122.2	77.07	-197.1	438.8	995.6	779.4	216.23	4.604	
7,900.0	4,873.7	8,243.2	4,648.5	103.0	124.6	77.26	-196.9	338.9	995.7	774.6	221.07	4.504	
8,000.0	4,868.9	8,343.1	4,646.9	105.3	127.1	77.45	-196.7	239.0	995.7	769.7	226.02	4.406	
8,100.0	4,864.1	8,443.0	4,645.3	107.7	129.6	77.64	-196.5	139.0	995.8	764.8	231.06	4.310	
8,200.0	4,859.3	8,543.0	4,643.7	110.1	132.2	77.83	-196.4	39.1	995.9	759.7	236.21	4.216	
8,300.0	4,854.5	8,642.9	4,642.1	112.6	134.8	78.02	-196.2	-60.8	996.0	754.6	241.44	4.125	
8,400.0	4,849.7	8,742.9	4,640.5	115.1	137.4	78.21	-196.0	-160.8	996.2	749.4	246.76	4.037	
8,500.0	4,844.9	8,842.8	4,638.9	117.7	140.1	78.40	-195.9	-260.7	996.3	744.2	252.16	3.951	
8,600.0	4,840.1	8,942.8	4,637.3	120.4	142.8	78.59	-195.7	-360.6	996.5	738.8	257.63	3.868	
8,700.0	4,835.3	9,042.7	4,635.7	123.0	145.6	78.78	-195.5	-460.6	996.6	733.4	263.17	3.787	
8,800.0	4,830.5	9,142.7	4,634.1	125.8	148.3	78.97	-195.4	-560.5	996.8	728.0	268.78	3.709	
8,900.0	4,825.7	9,242.6	4,632.5	128.5	151.1	79.16	-195.2	-660.4	997.0	722.5	274.45	3.633	
9,000.0	4,820.9	9,342.6	4,630.9	131.3	154.0	79.35	-195.0	-760.4	997.2	717.0	280.18	3.559	
9,100.0	4,816.1	9,442.5	4,629.3	134.1	156.8	79.54	-194.8	-860.3	997.4	711.4	285.97	3.488	
9,200.0	4,811.3	9,542.4	4,627.7	137.0	159.7	79.72	-194.7	-960.2	997.6	705.8	291.80	3.419	
9,300.0	4,806.5	9,642.4	4,626.1	139.9	162.6	79.91	-194.5	-1,060.2	997.8	700.1	297.69	3.352	
9,400.0	4,801.7	9,742.3	4,624.5	142.8	165.5	80.10	-194.3	-1,160.1	998.0	694.4	303.62	3.287	
9,500.0	4,797.6	9,842.3	4,622.9	145.7	168.5	80.26	-194.2	-1,260.0	998.4	688.9	309.53	3.226	
9,600.0	4,795.9	9,942.3	4,621.3	148.7	171.4	80.28	-194.0	-1,360.0	999.2	683.8	315.40	3.168	
9,700.0	4,794.3	10,042.3	4,619.7	151.7	174.4	80.28	-193.8	-1,460.0	1,000.0	678.6	321.32	3.112	
9,800.0	4,792.7	10,142.3	4,618.1	154.7	177.4	80.29	-193.7	-1,560.0	1,000.7	673.5	327.27	3.058	
9,900.0	4,791.2	10,242.3	4,616.5	157.7	180.4	80.30	-193.5	-1,660.0	1,001.5	668.3	333.25	3.005	
10,000.0	4,789.6	10,342.3	4,614.9	160.7	183.4	80.30	-193.3	-1,760.0	1,002.3	663.1	339.26	2.954	
10,100.0	4,788.0	10,442.3	4,613.3	163.8	186.5	80.31	-193.1	-1,860.0	1,003.1	657.8	345.30	2.905	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design Bunker 8 Well Pad Sec.29-T5N-R68W - Bunker 8-4H - Wellbore #1 - Plan #3 (4-30-21)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,200.0	4,786.4	10,542.3	4,611.7	166.9	189.5	80.32	-193.0	-1,959.9	1,003.9	652.5	351.38	2.857	
10,300.0	4,784.8	10,642.3	4,610.1	170.0	192.6	80.33	-192.8	-2,059.9	1,004.7	647.2	357.47	2.811	
10,400.0	4,783.2	10,742.3	4,608.5	173.1	195.6	80.33	-192.6	-2,159.9	1,005.5	641.9	363.59	2.765	
10,500.0	4,781.6	10,842.3	4,606.9	176.2	198.7	80.34	-192.5	-2,259.9	1,006.3	636.6	369.74	2.722	
10,600.0	4,780.1	10,942.3	4,605.3	179.3	201.8	80.35	-192.3	-2,359.9	1,007.1	631.2	375.91	2.679	
10,700.0	4,778.5	11,042.3	4,603.7	182.5	204.9	80.35	-192.1	-2,459.9	1,007.9	625.8	382.10	2.638	
10,800.0	4,776.9	11,142.3	4,602.1	185.6	208.1	80.36	-191.9	-2,559.8	1,008.7	620.4	388.31	2.598	
10,900.0	4,775.3	11,242.3	4,600.5	188.8	211.2	80.37	-191.8	-2,659.8	1,009.5	614.9	394.54	2.559	
11,000.0	4,773.7	11,342.2	4,598.9	192.0	214.3	80.37	-191.6	-2,759.8	1,010.3	609.5	400.79	2.521	
11,100.0	4,772.1	11,442.2	4,597.3	195.1	217.5	80.38	-191.4	-2,859.8	1,011.1	604.0	407.06	2.484	
11,200.0	4,770.5	11,542.2	4,595.7	198.3	220.7	80.39	-191.3	-2,959.8	1,011.8	598.5	413.34	2.448	
11,300.0	4,768.9	11,642.2	4,594.1	201.5	223.8	80.40	-191.1	-3,059.8	1,012.6	593.0	419.64	2.413	
11,400.0	4,767.4	11,742.2	4,592.5	204.7	227.0	80.40	-190.9	-3,159.7	1,013.4	587.5	425.96	2.379	
11,500.0	4,765.8	11,842.2	4,590.9	208.0	230.2	80.41	-190.8	-3,259.7	1,014.2	581.9	432.29	2.346	
11,600.0	4,764.2	11,942.2	4,589.4	211.2	233.4	80.42	-190.6	-3,359.7	1,015.0	576.4	438.63	2.314	
11,700.0	4,762.6	12,042.2	4,587.8	214.4	236.6	80.42	-190.4	-3,459.7	1,015.8	570.8	444.99	2.283	
11,800.0	4,761.0	12,142.2	4,586.2	217.7	239.8	80.43	-190.2	-3,559.7	1,016.6	565.2	451.37	2.252	
11,900.0	4,759.4	12,242.2	4,584.6	220.9	243.0	80.44	-190.1	-3,659.7	1,017.4	559.6	457.75	2.223	
12,000.0	4,757.8	12,342.2	4,583.0	224.1	246.2	80.44	-189.9	-3,759.6	1,018.2	554.0	464.15	2.194	
12,100.0	4,756.3	12,442.2	4,581.4	227.4	249.4	80.45	-189.7	-3,859.6	1,019.0	548.4	470.56	2.165	
12,200.0	4,754.7	12,542.2	4,579.8	230.7	252.7	80.46	-189.6	-3,959.6	1,019.8	542.8	476.98	2.138	
12,300.0	4,753.1	12,642.2	4,578.2	233.9	255.9	80.46	-189.4	-4,059.6	1,020.6	537.2	483.41	2.111	
12,400.0	4,751.5	12,742.2	4,576.6	237.2	259.1	80.47	-189.2	-4,159.6	1,021.4	531.5	489.85	2.085	
12,494.0	4,750.0	12,836.2	4,575.1	240.3	262.2	80.48	-189.1	-4,253.5	1,022.1	526.2	495.91	2.061	SF

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design Bunker 8 Well Pad Sec.29-T5N-R68W - Bunker 8-5H - Wellbore #1 - Plan #2 (12-06-18)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	0.00	120.2	0.0	120.5				
100.0	100.0	92.0	92.0	0.1	0.1	0.00	120.2	0.0	120.2	120.0	0.26	454.810	
200.0	200.0	192.0	192.0	0.4	0.4	0.00	120.2	0.0	120.2	119.4	0.80	149.538	CC, ES
300.0	300.0	291.9	291.8	0.7	0.7	-109.54	120.3	1.8	121.1	119.8	1.33	90.761	
400.0	399.6	391.7	391.5	1.0	0.9	-110.02	120.4	8.0	123.9	122.0	1.90	65.061	
500.0	498.8	491.6	490.8	1.3	1.3	-110.67	120.7	18.5	128.5	126.0	2.58	49.774	
600.0	597.1	591.4	589.5	1.8	1.6	-111.44	121.1	33.3	135.0	131.6	3.40	39.671	
700.0	694.3	691.2	687.4	2.3	2.1	-112.28	121.6	52.4	143.4	139.0	4.40	32.615	
800.0	790.2	790.9	784.4	3.0	2.7	-113.12	122.3	75.7	153.6	148.1	5.58	27.529	
900.0	884.4	890.6	880.2	3.8	3.3	-113.94	123.0	103.2	165.7	158.8	6.97	23.782	
1,000.0	976.8	990.2	974.6	4.8	4.1	-114.71	123.9	134.8	179.7	171.1	8.57	20.968	
1,100.0	1,067.1	1,089.7	1,067.6	5.9	5.0	-115.39	124.8	170.5	195.4	185.1	10.39	18.814	
1,200.0	1,154.9	1,189.2	1,158.8	7.1	6.0	-115.98	125.9	210.1	213.0	200.6	12.43	17.135	
1,300.0	1,240.2	1,288.6	1,248.1	8.5	7.1	-116.48	127.1	253.6	232.3	217.6	14.70	15.804	
1,400.0	1,322.6	1,388.0	1,335.5	10.0	8.3	-116.89	128.4	301.0	253.3	236.1	17.20	14.731	
1,500.0	1,401.9	1,487.3	1,420.6	11.7	9.6	-117.20	129.7	352.0	276.0	256.1	19.93	13.852	
1,600.0	1,478.5	1,586.7	1,503.6	13.6	11.1	-117.66	131.2	406.7	299.9	277.1	22.88	13.111	
1,700.0	1,554.9	1,686.5	1,584.5	15.4	12.7	-117.59	132.8	465.3	323.3	297.2	26.06	12.404	
1,800.0	1,631.2	1,786.6	1,662.9	17.3	14.5	-116.80	134.5	527.4	345.8	316.3	29.50	11.723	
1,900.0	1,707.5	1,886.4	1,738.3	19.1	16.3	-115.42	136.3	592.8	367.7	334.5	33.18	11.082	
2,000.0	1,783.9	1,985.7	1,810.4	21.0	18.3	-113.57	138.1	661.0	389.2	352.1	37.09	10.493	
2,100.0	1,860.2	2,084.1	1,878.9	22.9	20.4	-111.34	140.0	731.5	410.7	369.5	41.20	9.968	
2,200.0	1,936.5	2,180.6	1,943.7	24.7	22.5	-108.92	141.9	803.0	432.5	387.1	45.39	9.528	
2,300.0	2,012.8	2,276.5	2,007.9	26.6	24.6	-106.70	143.9	874.3	455.0	405.4	49.56	9.180	
2,400.0	2,089.2	2,372.5	2,072.1	28.5	26.8	-104.69	145.8	945.6	478.1	424.4	53.70	8.903	
2,500.0	2,165.5	2,468.4	2,136.2	30.4	28.9	-102.86	147.7	1,016.9	501.7	443.9	57.80	8.680	
2,600.0	2,241.8	2,564.4	2,200.4	32.3	31.1	-101.20	149.6	1,088.2	525.7	463.9	61.86	8.499	
2,700.0	2,318.2	2,660.3	2,264.6	34.2	33.2	-99.67	151.6	1,159.5	550.2	484.3	65.89	8.350	
2,800.0	2,394.5	2,756.3	2,328.8	36.0	35.4	-98.28	153.5	1,230.8	575.0	505.1	69.88	8.228	
2,900.0	2,470.8	2,852.2	2,393.0	37.9	37.6	-97.00	155.4	1,302.1	600.1	526.2	73.85	8.126	
3,000.0	2,547.2	2,948.2	2,457.1	39.8	39.7	-95.82	157.4	1,373.4	625.4	547.7	77.78	8.041	
3,100.0	2,623.5	3,044.1	2,521.3	41.7	41.9	-94.73	159.3	1,444.7	651.0	569.3	81.69	7.970	
3,200.0	2,699.8	3,140.1	2,585.5	43.6	44.1	-93.73	161.2	1,516.0	676.8	591.3	85.57	7.909	
3,300.0	2,776.1	3,236.0	2,649.7	45.5	46.2	-92.79	163.1	1,587.3	702.8	613.4	89.43	7.859	
3,400.0	2,852.5	3,332.0	2,713.9	47.4	48.4	-91.93	165.1	1,658.6	728.9	635.7	93.27	7.815	
3,500.0	2,928.8	3,427.9	2,778.1	49.3	50.6	-91.12	167.0	1,729.9	755.2	658.1	97.09	7.779	
3,600.0	3,005.1	3,523.9	2,842.2	51.1	52.8	-90.37	168.9	1,801.2	781.7	680.8	100.89	7.748	
3,700.0	3,081.5	3,619.8	2,906.4	53.0	54.9	-89.66	170.8	1,872.4	808.2	703.5	104.68	7.721	
3,800.0	3,157.8	3,715.7	2,970.6	54.9	57.1	-89.00	172.8	1,943.7	834.8	726.4	108.45	7.698	
3,900.0	3,234.1	3,811.7	3,034.8	56.8	59.3	-88.38	174.7	2,015.0	861.6	749.4	112.21	7.679	
4,000.0	3,310.5	3,907.6	3,099.0	58.7	61.5	-87.80	176.6	2,086.3	888.4	772.5	115.95	7.662	
4,100.0	3,386.8	4,003.6	3,163.2	60.6	63.7	-87.25	178.6	2,157.6	915.3	795.7	119.69	7.648	
4,200.0	3,463.1	4,099.5	3,227.3	62.5	65.8	-86.73	180.5	2,228.9	942.3	818.9	123.41	7.636	
4,300.0	3,539.4	4,195.5	3,291.5	64.4	68.0	-86.24	182.4	2,300.2	969.4	842.3	127.12	7.626	
4,400.0	3,615.8	4,291.4	3,355.7	66.3	70.2	-85.78	184.3	2,371.5	996.5	865.7	130.83	7.617	
4,500.0	3,692.1	4,387.4	3,419.9	68.2	72.4	-85.34	186.3	2,442.8	1,023.7	889.1	134.52	7.610	
4,600.0	3,768.4	4,483.3	3,484.1	70.1	74.6	-84.93	188.2	2,514.1	1,050.9	912.7	138.21	7.604	
4,700.0	3,844.8	4,579.3	3,548.2	71.9	76.8	-84.53	190.1	2,585.4	1,078.2	936.3	141.89	7.598	
4,800.0	3,921.1	4,675.2	3,612.4	73.8	78.9	-84.16	192.0	2,656.7	1,105.5	959.9	145.57	7.594	
4,900.0	3,998.0	4,771.0	3,676.5	75.7	81.1	-86.34	194.0	2,727.8	1,133.4	984.3	149.02	7.605	
5,000.0	4,081.3	4,967.0	3,822.4	77.0	84.7	-95.00	198.5	2,857.5	1,164.6	1,012.2	152.40	7.642	
5,100.0	4,170.9	5,218.7	4,054.8	77.9	86.8	-110.48	206.0	2,949.8	1,191.5	1,036.8	154.63	7.705	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design Bunker 8 Well Pad Sec.29-T5N-R68W - Bunker 8-5H - Wellbore #1 - Plan #2 (12-06-18)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	4,264.8	5,452.2	4,286.8	78.5	86.9	-136.30	213.8	2,949.1	1,213.5	1,058.2	155.27	7.815	
5,300.0	4,360.5	5,649.3	4,471.7	78.8	86.5	-171.33	220.2	2,883.4	1,232.8	1,077.8	155.01	7.953	
5,400.0	4,455.7	5,811.1	4,602.7	78.8	86.3	156.66	224.9	2,789.2	1,251.7	1,097.2	154.50	8.101	
5,500.0	4,548.1	5,946.1	4,690.9	78.7	86.4	134.79	228.2	2,687.5	1,271.2	1,117.1	154.09	8.249	
5,600.0	4,635.3	6,062.0	4,748.1	78.5	86.8	120.20	230.5	2,586.9	1,291.5	1,137.5	153.97	8.388	
5,700.0	4,715.3	6,164.5	4,782.8	78.3	87.4	109.74	232.0	2,490.5	1,312.4	1,158.2	154.22	8.510	
5,800.0	4,786.0	6,257.6	4,800.5	78.1	88.0	101.76	232.9	2,399.3	1,333.1	1,178.2	154.89	8.607	
5,900.0	4,845.8	6,343.6	4,805.0	78.1	88.6	95.46	233.3	2,313.4	1,353.0	1,197.0	156.01	8.672	
6,000.0	4,893.1	6,429.5	4,803.9	78.1	89.4	90.52	233.5	2,227.5	1,371.0	1,213.3	157.70	8.694	
6,100.0	4,926.8	6,522.3	4,802.7	78.4	90.2	86.95	233.8	2,134.7	1,385.6	1,225.5	160.06	8.657	
6,200.0	4,946.1	6,619.8	4,801.5	78.8	91.3	84.82	234.1	2,037.3	1,395.4	1,232.4	163.05	8.558	
6,300.0	4,950.4	6,719.5	4,800.2	79.3	92.4	84.14	234.4	1,937.6	1,399.6	1,233.1	166.43	8.409	
6,400.0	4,945.7	6,819.4	4,799.0	79.9	93.7	84.29	234.6	1,837.7	1,400.2	1,231.5	168.70	8.300	
6,500.0	4,940.9	6,919.3	4,797.7	80.6	95.1	84.44	234.9	1,737.7	1,400.7	1,229.7	171.06	8.188	
6,600.0	4,936.1	7,019.3	4,796.4	81.4	96.6	84.59	235.2	1,637.8	1,401.3	1,227.6	173.67	8.069	
6,700.0	4,931.3	7,119.2	4,795.2	82.4	98.2	84.73	235.5	1,537.9	1,401.9	1,225.4	176.50	7.943	
6,800.0	4,926.5	7,219.1	4,793.9	83.5	99.9	84.88	235.8	1,438.0	1,402.5	1,222.9	179.56	7.811	
6,900.0	4,921.7	7,319.1	4,792.6	84.7	101.7	85.03	236.0	1,338.0	1,403.1	1,220.2	182.82	7.674	
7,000.0	4,916.9	7,419.0	4,791.4	86.1	103.5	85.17	236.3	1,238.1	1,403.7	1,217.4	186.29	7.535	
7,100.0	4,912.1	7,518.9	4,790.1	87.6	105.5	85.32	236.6	1,138.2	1,404.3	1,214.4	189.94	7.393	
7,200.0	4,907.3	7,618.9	4,788.8	89.2	107.5	85.47	236.9	1,038.3	1,404.9	1,211.1	193.77	7.250	
7,300.0	4,902.5	7,718.8	4,787.6	90.9	109.6	85.61	237.2	938.3	1,405.6	1,207.8	197.77	7.107	
7,400.0	4,897.7	7,818.7	4,786.3	92.7	111.7	85.76	237.5	838.4	1,406.2	1,204.3	201.93	6.964	
7,500.0	4,892.9	7,918.7	4,785.1	94.5	113.9	85.91	237.7	738.5	1,406.9	1,200.6	206.24	6.822	
7,600.0	4,888.1	8,018.6	4,783.8	96.5	116.2	86.05	238.0	638.6	1,407.5	1,196.8	210.68	6.681	
7,700.0	4,883.3	8,118.5	4,782.5	98.6	118.5	86.20	238.3	538.6	1,408.2	1,192.9	215.25	6.542	
7,800.0	4,878.5	8,218.5	4,781.3	100.8	120.9	86.34	238.6	438.7	1,408.9	1,188.9	219.95	6.405	
7,900.0	4,873.7	8,318.4	4,780.0	103.0	123.4	86.49	238.9	338.8	1,409.6	1,184.8	224.76	6.271	
8,000.0	4,868.9	8,418.3	4,778.7	105.3	125.8	86.64	239.2	238.9	1,410.3	1,180.6	229.68	6.140	
8,100.0	4,864.1	8,518.3	4,777.5	107.7	128.4	86.78	239.4	138.9	1,411.0	1,176.3	234.70	6.012	
8,200.0	4,859.3	8,618.2	4,776.2	110.1	130.9	86.93	239.7	39.0	1,411.7	1,171.9	239.81	5.887	
8,300.0	4,854.5	8,718.1	4,774.9	112.6	133.5	87.07	240.0	-60.9	1,412.4	1,167.4	245.01	5.765	
8,400.0	4,849.7	8,818.1	4,773.7	115.1	136.2	87.22	240.3	-160.8	1,413.2	1,162.9	250.29	5.646	
8,500.0	4,844.9	8,918.0	4,772.4	117.7	138.8	87.36	240.6	-260.8	1,413.9	1,158.3	255.65	5.531	
8,600.0	4,840.1	9,017.9	4,771.2	120.4	141.6	87.51	240.9	-360.7	1,414.7	1,153.6	261.08	5.419	
8,700.0	4,835.3	9,117.9	4,769.9	123.0	144.3	87.65	241.1	-460.6	1,415.4	1,148.9	266.58	5.310	
8,800.0	4,830.5	9,217.8	4,768.6	125.8	147.1	87.80	241.4	-560.5	1,416.2	1,144.1	272.14	5.204	
8,900.0	4,825.7	9,317.7	4,767.4	128.5	149.9	87.94	241.7	-660.5	1,417.0	1,139.2	277.76	5.102	
9,000.0	4,820.9	9,417.7	4,766.1	131.3	152.7	88.08	242.0	-760.4	1,417.8	1,134.4	283.44	5.002	
9,100.0	4,816.1	9,517.6	4,764.8	134.1	155.5	88.23	242.3	-860.3	1,418.6	1,129.4	289.17	4.906	
9,200.0	4,811.3	9,617.5	4,763.6	137.0	158.4	88.37	242.6	-960.2	1,419.4	1,124.5	294.95	4.812	
9,300.0	4,806.5	9,717.5	4,762.3	139.9	161.3	88.51	242.8	-1,060.1	1,420.2	1,119.5	300.77	4.722	
9,400.0	4,801.7	9,817.4	4,761.0	142.8	164.2	88.66	243.1	-1,160.1	1,421.1	1,114.4	306.64	4.634	
9,500.0	4,797.6	9,917.3	4,759.8	145.7	167.2	88.78	243.4	-1,260.0	1,421.9	1,109.4	312.54	4.549	
9,600.0	4,795.9	10,017.3	4,758.5	148.7	170.1	88.81	243.7	-1,360.0	1,422.8	1,104.3	318.49	4.467	
9,700.0	4,794.3	10,117.3	4,757.3	151.7	173.1	88.82	244.0	-1,460.0	1,423.7	1,099.2	324.47	4.388	
9,800.0	4,792.7	10,217.3	4,756.0	154.7	176.1	88.84	244.3	-1,560.0	1,424.6	1,094.1	330.49	4.311	
9,900.0	4,791.2	10,317.3	4,754.7	157.7	179.1	88.85	244.5	-1,660.0	1,425.5	1,089.0	336.54	4.236	
10,000.0	4,789.6	10,417.3	4,753.5	160.7	182.1	88.86	244.8	-1,760.0	1,426.4	1,083.8	342.62	4.163	
10,100.0	4,788.0	10,517.3	4,752.2	163.8	185.1	88.88	245.1	-1,859.9	1,427.4	1,078.6	348.73	4.093	
10,200.0	4,786.4	10,617.3	4,750.9	166.9	188.2	88.89	245.4	-1,959.9	1,428.3	1,073.4	354.87	4.025	
10,300.0	4,784.8	10,717.3	4,749.7	170.0	191.3	88.90	245.7	-2,059.9	1,429.2	1,068.1	361.04	3.958	

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design Bunker 8 Well Pad Sec.29-T5N-R68W - Bunker 8-5H - Wellbore #1 - Plan #2 (12-06-18)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,400.0	4,783.2	10,817.3	4,748.4	173.1	194.3	88.92	245.9	-2,159.9	1,430.1	1,062.8	367.23	3.894	
10,500.0	4,781.6	10,917.3	4,747.1	176.2	197.4	88.93	246.2	-2,259.9	1,431.0	1,057.5	373.45	3.832	
10,600.0	4,780.1	11,017.3	4,745.9	179.3	200.5	88.94	246.5	-2,359.9	1,431.9	1,052.2	379.69	3.771	
10,700.0	4,778.5	11,117.3	4,744.6	182.5	203.6	88.96	246.8	-2,459.9	1,432.8	1,046.9	385.95	3.712	
10,800.0	4,776.9	11,217.3	4,743.3	185.6	206.8	88.97	247.1	-2,559.8	1,433.7	1,041.5	392.23	3.655	
10,900.0	4,775.3	11,317.3	4,742.1	188.8	209.9	88.98	247.4	-2,659.8	1,434.6	1,036.1	398.53	3.600	
11,000.0	4,773.7	11,417.3	4,740.8	192.0	213.0	89.00	247.6	-2,759.8	1,435.5	1,030.7	404.85	3.546	
11,100.0	4,772.1	11,517.3	4,739.6	195.1	216.2	89.01	247.9	-2,859.8	1,436.4	1,025.2	411.19	3.493	
11,200.0	4,770.5	11,617.3	4,738.3	198.3	219.3	89.03	248.2	-2,959.8	1,437.4	1,019.8	417.55	3.442	
11,300.0	4,768.9	11,717.3	4,737.0	201.5	222.5	89.04	248.5	-3,059.8	1,438.3	1,014.3	423.92	3.393	
11,400.0	4,767.4	11,817.3	4,735.8	204.7	225.7	89.05	248.8	-3,159.8	1,439.2	1,008.9	430.31	3.345	
11,500.0	4,765.8	11,917.2	4,734.5	208.0	228.9	89.07	249.1	-3,259.8	1,440.1	1,003.4	436.71	3.298	
11,600.0	4,764.2	12,017.2	4,733.2	211.2	232.0	89.08	249.3	-3,359.7	1,441.0	997.9	443.13	3.252	
11,700.0	4,762.6	12,117.2	4,732.0	214.4	235.2	89.09	249.6	-3,459.7	1,441.9	992.3	449.56	3.207	
11,800.0	4,761.0	12,217.2	4,730.7	217.7	238.4	89.11	249.9	-3,559.7	1,442.8	986.8	456.00	3.164	
11,900.0	4,759.4	12,317.2	4,729.4	220.9	241.7	89.12	250.2	-3,659.7	1,443.7	981.3	462.46	3.122	
12,000.0	4,757.8	12,417.2	4,728.2	224.1	244.9	89.13	250.5	-3,759.7	1,444.6	975.7	468.93	3.081	
12,100.0	4,756.3	12,517.2	4,726.9	227.4	248.1	89.15	250.8	-3,859.7	1,445.5	970.1	475.41	3.041	
12,200.0	4,754.7	12,617.2	4,725.6	230.7	251.3	89.16	251.0	-3,959.7	1,446.4	964.6	481.90	3.002	
12,300.0	4,753.1	12,717.2	4,724.4	233.9	254.6	89.17	251.3	-4,059.7	1,447.4	959.0	488.40	2.963	
12,400.0	4,751.5	12,817.2	4,723.1	237.2	257.8	89.19	251.6	-4,159.6	1,448.3	953.4	494.91	2.926	
12,494.0	4,750.0	12,911.2	4,721.9	240.3	260.8	89.20	251.9	-4,253.6	1,449.1	948.1	501.04	2.892	SF

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design Bunker 8 Well Pad Sec.29-T5N-R68W - Bunker 8-6H - Wellbore #1 - Plan #2 (12-06-18)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	0.00	153.0	0.0	153.3				
100.0	100.0	90.0	90.0	0.1	0.1	0.00	153.0	0.0	153.0	152.8	0.26	584.926	
200.0	200.0	190.0	190.0	0.4	0.4	0.00	153.0	0.0	153.0	152.2	0.80	191.632	CC, ES
300.0	300.0	289.4	289.4	0.7	0.7	-109.50	153.2	1.7	154.1	152.7	1.33	115.879	
400.0	399.6	388.7	388.5	1.0	0.9	-109.91	153.8	7.7	157.3	155.4	1.90	82.794	
500.0	498.8	488.0	487.2	1.3	1.3	-110.44	154.8	18.0	162.6	160.1	2.58	63.147	
600.0	597.1	587.2	585.4	1.8	1.6	-111.06	156.3	32.5	170.2	166.8	3.39	50.152	
700.0	694.3	686.3	682.7	2.3	2.1	-111.72	158.1	51.1	179.9	175.5	4.38	41.061	
800.0	790.2	785.2	778.9	3.0	2.6	-112.39	160.4	73.9	191.8	186.3	5.56	34.495	
900.0	884.4	884.0	873.9	3.8	3.3	-113.04	163.1	100.8	205.9	198.9	6.94	29.649	
1,000.0	976.8	982.7	967.5	4.8	4.0	-113.63	166.2	131.7	222.0	213.5	8.54	26.005	
1,100.0	1,067.1	1,081.1	1,059.5	5.9	4.9	-114.16	169.7	166.4	240.3	229.9	10.35	23.212	
1,200.0	1,154.9	1,179.3	1,149.8	7.1	5.9	-114.60	173.6	205.0	260.6	248.2	12.39	21.037	
1,300.0	1,240.2	1,277.3	1,238.0	8.5	6.9	-114.96	177.8	247.3	283.0	268.3	14.65	19.314	
1,400.0	1,322.6	1,375.0	1,324.2	10.0	8.1	-115.22	182.4	293.2	307.3	290.1	17.14	17.926	
1,500.0	1,401.9	1,472.5	1,408.2	11.7	9.4	-115.41	187.4	342.6	333.5	313.6	19.86	16.792	
1,600.0	1,478.5	1,570.0	1,489.9	13.6	10.8	-115.84	192.7	395.4	361.2	338.4	22.79	15.846	
1,700.0	1,554.9	1,667.8	1,569.5	15.4	12.4	-115.92	198.3	451.9	388.7	362.8	25.93	14.994	
1,800.0	1,631.2	1,765.8	1,646.8	17.3	14.0	-115.40	204.4	511.8	415.8	386.5	29.26	14.209	
1,900.0	1,707.5	1,863.5	1,721.2	19.1	15.8	-114.38	210.7	574.8	442.6	409.8	32.81	13.490	
2,000.0	1,783.9	1,960.6	1,792.5	21.0	17.7	-112.97	217.3	640.4	469.2	432.6	36.54	12.841	
2,100.0	1,860.2	2,056.8	1,860.2	22.9	19.7	-111.23	224.1	708.4	495.9	455.5	40.43	12.265	
2,200.0	1,936.5	2,151.8	1,924.2	24.7	21.8	-109.25	231.1	778.1	523.0	478.6	44.45	11.766	
2,300.0	2,012.8	2,245.2	1,984.3	26.6	23.9	-107.08	238.2	849.3	550.8	502.3	48.56	11.343	
2,400.0	2,089.2	2,336.8	2,040.4	28.5	26.1	-104.77	245.4	921.4	579.6	526.9	52.69	11.000	
2,500.0	2,165.5	2,429.3	2,095.6	30.4	28.4	-102.48	252.8	995.3	609.5	552.6	56.86	10.719	
2,600.0	2,241.8	2,521.8	2,150.8	32.3	30.6	-100.40	260.3	1,069.2	640.2	579.2	60.97	10.501	
2,700.0	2,318.2	2,614.4	2,206.0	34.2	32.9	-98.50	267.7	1,143.1	671.7	606.7	65.01	10.331	
2,800.0	2,394.5	2,706.9	2,261.2	36.0	35.2	-96.76	275.1	1,216.9	703.8	634.8	69.00	10.200	
2,900.0	2,470.8	2,799.4	2,316.4	37.9	37.5	-95.17	282.5	1,290.8	736.4	663.5	72.93	10.097	
3,000.0	2,547.2	2,891.9	2,371.6	39.8	39.8	-93.71	289.9	1,364.7	769.5	692.7	76.82	10.018	
3,100.0	2,623.5	2,984.5	2,426.8	41.7	42.1	-92.37	297.3	1,438.6	803.1	722.4	80.66	9.957	
3,200.0	2,699.8	3,077.0	2,482.0	43.6	44.4	-91.13	304.7	1,512.5	837.0	752.6	84.46	9.911	
3,300.0	2,776.1	3,169.5	2,537.2	45.5	46.7	-89.99	312.1	1,586.4	871.3	783.1	88.22	9.876	
3,400.0	2,852.5	3,262.1	2,592.3	47.4	49.0	-88.93	319.5	1,660.3	905.9	813.9	91.95	9.851	
3,500.0	2,928.8	3,354.6	2,647.5	49.3	51.3	-87.94	327.0	1,734.2	940.7	845.0	95.65	9.834	
3,600.0	3,005.1	3,447.1	2,702.7	51.1	53.6	-87.03	334.4	1,808.1	975.7	876.4	99.33	9.823	
3,700.0	3,081.5	3,539.6	2,757.9	53.0	56.0	-86.18	341.8	1,882.0	1,011.0	908.0	102.97	9.818	
3,800.0	3,157.8	3,632.2	2,813.1	54.9	58.3	-85.38	349.2	1,955.9	1,046.4	939.8	106.60	9.816	
3,900.0	3,234.1	3,724.7	2,868.3	56.8	60.6	-84.64	356.6	2,029.8	1,082.0	971.8	110.21	9.818	
4,000.0	3,310.5	3,817.2	2,923.5	58.7	62.9	-83.94	364.0	2,103.6	1,117.8	1,004.0	113.80	9.823	
4,100.0	3,386.8	3,909.8	2,978.7	60.6	65.2	-83.28	371.4	2,177.5	1,153.7	1,036.3	117.37	9.830	
4,200.0	3,463.1	4,002.3	3,033.9	62.5	67.5	-82.67	378.8	2,251.4	1,189.7	1,068.8	120.92	9.838	
4,300.0	3,539.4	4,094.8	3,089.1	64.4	69.9	-82.08	386.3	2,325.3	1,225.8	1,101.4	124.47	9.849	
4,400.0	3,615.8	4,187.3	3,144.3	66.3	72.2	-81.54	393.7	2,399.2	1,262.1	1,134.1	128.00	9.860	
4,500.0	3,692.1	4,279.9	3,199.5	68.2	74.5	-81.02	401.1	2,473.1	1,298.4	1,166.9	131.52	9.873	
4,600.0	3,768.4	4,372.4	3,254.7	70.1	76.8	-80.53	408.5	2,547.0	1,334.9	1,199.8	135.03	9.886	
4,700.0	3,844.8	4,464.9	3,309.9	71.9	79.1	-80.07	415.9	2,620.9	1,371.4	1,232.8	138.52	9.900	
4,800.0	3,921.1	4,557.5	3,365.1	73.8	81.5	-79.62	423.3	2,694.8	1,408.0	1,265.9	142.01	9.914	
4,900.0	3,998.0	4,883.7	3,615.1	75.7	86.9	-83.72	457.6	2,895.9	1,437.7	1,288.4	149.30	9.629	
5,000.0	4,081.3	5,162.7	3,883.9	77.0	88.1	-97.57	495.5	2,950.3	1,460.5	1,306.9	153.59	9.509	
5,100.0	4,170.9	5,365.4	4,080.4	77.9	87.8	-116.40	523.6	2,914.0	1,483.4	1,328.2	155.22	9.557	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design Bunker 8 Well Pad Sec.29-T5N-R68W - Bunker 8-6H - Wellbore #1 - Plan #2 (12-06-18)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	4,264.8	5,516.3	4,214.0	78.5	87.6	-143.27	542.9	2,847.4	1,509.2	1,353.6	155.59	9.700	
5,300.0	4,360.5	5,636.7	4,307.1	78.8	87.5	-178.43	556.6	2,772.6	1,538.7	1,383.3	155.41	9.901	
5,400.0	4,455.7	5,739.3	4,374.3	78.8	87.6	149.47	566.6	2,695.8	1,571.3	1,416.4	154.98	10.139	
5,500.0	4,548.1	5,830.9	4,423.3	78.7	87.9	127.34	574.0	2,618.8	1,605.9	1,451.4	154.47	10.396	
5,600.0	4,635.3	5,915.4	4,458.3	78.5	88.3	112.39	579.4	2,542.2	1,641.2	1,487.2	153.99	10.658	
5,700.0	4,715.3	5,995.0	4,481.8	78.3	88.8	101.60	583.2	2,466.3	1,675.9	1,522.2	153.68	10.905	
5,800.0	4,786.0	6,071.1	4,495.4	78.1	89.3	93.39	585.5	2,391.5	1,708.7	1,555.0	153.70	11.117	
5,900.0	4,845.8	6,144.5	4,500.1	78.1	89.9	87.01	586.6	2,318.4	1,738.6	1,584.4	154.19	11.276	
6,000.0	4,893.1	6,228.2	4,498.9	78.1	90.6	81.98	586.9	2,234.7	1,764.3	1,609.0	155.30	11.361	
6,100.0	4,926.8	6,320.9	4,497.5	78.4	91.5	78.40	587.2	2,142.0	1,784.2	1,626.9	157.27	11.344	
6,200.0	4,946.1	6,418.3	4,496.0	78.8	92.6	76.30	587.6	2,044.6	1,797.0	1,636.9	160.08	11.225	
6,300.0	4,950.4	6,517.9	4,494.4	79.3	93.7	75.64	587.9	1,944.9	1,802.0	1,638.5	163.50	11.021	
6,400.0	4,945.7	6,617.9	4,492.9	79.9	95.0	75.75	588.3	1,845.0	1,802.2	1,636.4	165.81	10.869	
6,500.0	4,940.9	6,717.8	4,491.4	80.6	96.4	75.86	588.6	1,745.1	1,802.4	1,634.2	168.18	10.717	
6,600.0	4,936.1	6,817.8	4,489.8	81.4	97.9	75.97	589.0	1,645.2	1,802.5	1,631.7	170.79	10.554	
6,700.0	4,931.3	6,917.7	4,488.3	82.4	99.5	76.08	589.4	1,545.2	1,802.7	1,629.1	173.63	10.383	
6,800.0	4,926.5	7,017.6	4,486.7	83.5	101.2	76.19	589.7	1,445.3	1,802.9	1,626.2	176.68	10.204	
6,900.0	4,921.7	7,117.6	4,485.2	84.7	103.0	76.29	590.1	1,345.4	1,803.1	1,623.1	179.93	10.021	
7,000.0	4,916.9	7,217.5	4,483.6	86.1	104.9	76.40	590.4	1,245.4	1,803.2	1,619.9	183.38	9.833	
7,100.0	4,912.1	7,317.5	4,482.1	87.6	106.8	76.51	590.8	1,145.5	1,803.4	1,616.4	187.01	9.643	
7,200.0	4,907.3	7,417.4	4,480.5	89.2	108.8	76.62	591.1	1,045.6	1,803.6	1,612.8	190.82	9.452	
7,300.0	4,902.5	7,517.4	4,479.0	90.9	110.9	76.73	591.5	945.6	1,803.9	1,609.1	194.79	9.260	
7,400.0	4,897.7	7,617.3	4,477.4	92.7	113.1	76.83	591.8	845.7	1,804.1	1,605.2	198.92	9.069	
7,500.0	4,892.9	7,717.2	4,475.9	94.5	115.3	76.94	592.2	745.8	1,804.3	1,601.1	203.19	8.880	
7,600.0	4,888.1	7,817.2	4,474.4	96.5	117.6	77.05	592.5	645.9	1,804.5	1,596.9	207.60	8.692	
7,700.0	4,883.3	7,917.1	4,472.8	98.6	119.9	77.16	592.9	545.9	1,804.8	1,592.6	212.14	8.508	
7,800.0	4,878.5	8,017.1	4,471.3	100.8	122.3	77.26	593.2	446.0	1,805.0	1,588.2	216.80	8.326	
7,900.0	4,873.7	8,117.0	4,469.7	103.0	124.7	77.37	593.6	346.1	1,805.2	1,583.7	221.57	8.148	
8,000.0	4,868.9	8,217.0	4,468.2	105.3	127.2	77.48	594.0	246.1	1,805.5	1,579.1	226.45	7.973	
8,100.0	4,864.1	8,316.9	4,466.6	107.7	129.7	77.59	594.3	146.2	1,805.8	1,574.3	231.43	7.803	
8,200.0	4,859.3	8,416.8	4,465.1	110.1	132.3	77.69	594.7	46.3	1,806.0	1,569.5	236.50	7.636	
8,300.0	4,854.5	8,516.8	4,463.5	112.6	134.9	77.80	595.0	-53.7	1,806.3	1,564.6	241.66	7.475	
8,400.0	4,849.7	8,616.7	4,462.0	115.1	137.5	77.91	595.4	-153.6	1,806.6	1,559.7	246.91	7.317	
8,500.0	4,844.9	8,716.7	4,460.4	117.7	140.2	78.02	595.7	-253.5	1,806.9	1,554.6	252.23	7.164	
8,600.0	4,840.1	8,816.6	4,458.9	120.4	142.9	78.12	596.1	-353.4	1,807.2	1,549.5	257.62	7.015	
8,700.0	4,835.3	8,916.6	4,457.4	123.0	145.7	78.23	596.4	-453.4	1,807.5	1,544.4	263.09	6.870	
8,800.0	4,830.5	9,016.5	4,455.8	125.8	148.4	78.34	596.8	-553.3	1,807.8	1,539.1	268.62	6.730	
8,900.0	4,825.7	9,116.4	4,454.3	128.5	151.2	78.45	597.1	-653.2	1,808.1	1,533.9	274.21	6.594	
9,000.0	4,820.9	9,216.4	4,452.7	131.3	154.0	78.55	597.5	-753.2	1,808.4	1,528.5	279.86	6.462	
9,100.0	4,816.1	9,316.3	4,451.2	134.1	156.9	78.66	597.9	-853.1	1,808.7	1,523.2	285.57	6.334	
9,200.0	4,811.3	9,416.3	4,449.6	137.0	159.8	78.77	598.2	-953.0	1,809.1	1,517.7	291.32	6.210	
9,300.0	4,806.5	9,516.2	4,448.1	139.9	162.7	78.87	598.6	-1,052.9	1,809.4	1,512.3	297.13	6.090	
9,400.0	4,801.7	9,616.1	4,446.5	142.8	165.6	78.98	598.9	-1,152.9	1,809.7	1,506.8	302.98	5.973	
9,500.0	4,797.6	9,716.1	4,445.0	145.7	168.5	79.07	599.3	-1,252.8	1,810.2	1,501.4	308.82	5.862	
9,600.0	4,795.9	9,816.1	4,443.4	148.7	171.5	79.09	599.6	-1,352.8	1,811.1	1,496.5	314.67	5.756	
9,700.0	4,794.3	9,916.1	4,441.9	151.7	174.4	79.10	600.0	-1,452.8	1,812.1	1,491.5	320.57	5.653	
9,800.0	4,792.7	10,016.1	4,440.4	154.7	177.4	79.10	600.3	-1,552.8	1,813.1	1,486.6	326.50	5.553	
9,900.0	4,791.2	10,116.1	4,438.8	157.7	180.4	79.11	600.7	-1,652.8	1,814.0	1,481.6	332.46	5.456	
10,000.0	4,789.6	10,216.1	4,437.3	160.7	183.5	79.12	601.0	-1,752.7	1,815.0	1,476.5	338.45	5.363	
10,100.0	4,788.0	10,316.1	4,435.7	163.8	186.5	79.13	601.4	-1,852.7	1,816.0	1,471.5	344.47	5.272	
10,200.0	4,786.4	10,416.1	4,434.2	166.9	189.5	79.13	601.7	-1,952.7	1,816.9	1,466.4	350.51	5.184	
10,300.0	4,784.8	10,516.1	4,432.6	170.0	192.6	79.14	602.1	-2,052.7	1,817.9	1,461.3	356.59	5.098	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design Bunker 8 Well Pad Sec.29-T5N-R68W - Bunker 8-6H - Wellbore #1 - Plan #2 (12-06-18)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,400.0	4,783.2	10,616.1	4,431.1	173.1	195.7	79.15	602.5	-2,152.7	1,818.8	1,456.1	362.69	5.015	
10,500.0	4,781.6	10,716.1	4,429.5	176.2	198.8	79.15	602.8	-2,252.6	1,819.8	1,451.0	368.81	4.934	
10,600.0	4,780.1	10,816.1	4,428.0	179.3	201.9	79.16	603.2	-2,352.6	1,820.8	1,445.8	374.96	4.856	
10,700.0	4,778.5	10,916.0	4,426.4	182.5	205.0	79.17	603.5	-2,452.6	1,821.7	1,440.6	381.13	4.780	
10,800.0	4,776.9	11,016.0	4,424.9	185.6	208.1	79.17	603.9	-2,552.6	1,822.7	1,435.4	387.31	4.706	
10,900.0	4,775.3	11,116.0	4,423.3	188.8	211.2	79.18	604.2	-2,652.6	1,823.6	1,430.1	393.52	4.634	
11,000.0	4,773.7	11,216.0	4,421.8	192.0	214.4	79.19	604.6	-2,752.6	1,824.6	1,424.9	399.75	4.564	
11,100.0	4,772.1	11,316.0	4,420.3	195.1	217.5	79.20	604.9	-2,852.5	1,825.6	1,419.6	405.99	4.497	
11,200.0	4,770.5	11,416.0	4,418.7	198.3	220.7	79.20	605.3	-2,952.5	1,826.5	1,414.3	412.25	4.431	
11,300.0	4,768.9	11,516.0	4,417.2	201.5	223.8	79.21	605.6	-3,052.5	1,827.5	1,409.0	418.53	4.366	
11,400.0	4,767.4	11,616.0	4,415.6	204.7	227.0	79.22	606.0	-3,152.5	1,828.4	1,403.6	424.82	4.304	
11,500.0	4,765.8	11,716.0	4,414.1	208.0	230.2	79.22	606.4	-3,252.5	1,829.4	1,398.3	431.13	4.243	
11,600.0	4,764.2	11,816.0	4,412.5	211.2	233.4	79.23	606.7	-3,352.5	1,830.4	1,392.9	437.45	4.184	
11,700.0	4,762.6	11,916.0	4,411.0	214.4	236.6	79.24	607.1	-3,452.4	1,831.3	1,387.5	443.79	4.127	
11,800.0	4,761.0	12,016.0	4,409.4	217.7	239.8	79.25	607.4	-3,552.4	1,832.3	1,382.2	450.14	4.070	
11,900.0	4,759.4	12,116.0	4,407.9	220.9	243.0	79.25	607.8	-3,652.4	1,833.3	1,376.8	456.50	4.016	
12,000.0	4,757.8	12,216.0	4,406.3	224.1	246.2	79.26	608.1	-3,752.4	1,834.2	1,371.3	462.88	3.963	
12,100.0	4,756.3	12,316.0	4,404.8	227.4	249.4	79.27	608.5	-3,852.4	1,835.2	1,365.9	469.26	3.911	
12,200.0	4,754.7	12,416.0	4,403.2	230.7	252.7	79.27	608.8	-3,952.4	1,836.1	1,360.5	475.66	3.860	
12,300.0	4,753.1	12,516.0	4,401.7	233.9	255.9	79.28	609.2	-4,052.3	1,837.1	1,355.0	482.06	3.811	
12,400.0	4,751.5	12,616.0	4,400.2	237.2	259.1	79.29	609.5	-4,152.3	1,838.1	1,349.6	488.48	3.763	
12,494.0	4,750.0	12,709.9	4,398.7	240.3	262.2	79.29	609.9	-4,246.3	1,839.0	1,344.4	494.52	3.719	SF

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design Bunker 8 Well Pad Sec.29-T5N-R68W - Bunker 8-7H - Wellbore #1 - Plan #2 (12-06-18) — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	0.01	182.2	0.0	182.6				
100.0	100.0	88.0	88.0	0.1	0.1	0.01	182.2	0.0	182.2	181.9	0.26	703.732	
200.0	200.0	188.0	188.0	0.4	0.4	0.01	182.2	0.0	182.2	181.4	0.79	229.716	CC, ES
300.0	300.0	288.0	288.0	0.7	0.7	-110.01	182.2	0.0	183.0	181.7	1.33	137.179	
400.0	399.6	386.6	386.5	1.0	0.9	-111.67	182.5	1.6	186.1	184.2	1.89	98.420	
500.0	498.8	485.0	484.8	1.3	1.2	-113.37	183.7	7.3	192.0	189.5	2.52	76.201	
600.0	597.1	583.5	582.8	1.8	1.5	-115.01	185.7	17.2	200.7	197.4	3.26	61.563	
700.0	694.3	682.0	680.2	2.3	1.9	-116.54	188.5	31.1	212.2	208.0	4.14	51.257	
800.0	790.2	780.3	776.8	3.0	2.3	-117.91	192.2	49.1	226.4	221.3	5.18	43.709	
900.0	884.4	878.5	872.4	3.8	2.8	-119.07	196.7	71.2	243.5	237.1	6.40	38.046	
1,000.0	976.8	976.5	966.7	4.8	3.4	-120.03	202.0	97.1	263.1	255.3	7.81	33.711	
1,100.0	1,067.1	1,074.2	1,059.5	5.9	4.1	-120.78	208.1	126.9	285.4	276.0	9.41	30.335	
1,200.0	1,154.9	1,171.6	1,150.7	7.1	5.0	-121.33	214.9	160.4	310.3	299.0	11.22	27.661	
1,300.0	1,240.2	1,268.7	1,240.1	8.5	5.9	-121.70	222.5	197.6	337.6	324.3	13.23	25.506	
1,400.0	1,322.6	1,365.4	1,327.4	10.0	6.9	-121.91	230.8	238.3	367.2	351.8	15.46	23.752	
1,500.0	1,401.9	1,461.7	1,412.6	11.7	8.0	-121.96	239.9	282.4	399.2	381.3	17.91	22.296	
1,600.0	1,478.5	1,557.9	1,495.7	13.6	9.3	-122.33	249.6	329.8	433.0	412.5	20.55	21.077	
1,700.0	1,554.9	1,654.6	1,577.1	15.4	10.6	-122.49	260.0	380.9	466.6	443.2	23.37	19.968	
1,800.0	1,631.2	1,751.5	1,656.4	17.3	12.1	-122.14	271.2	435.5	499.6	473.2	26.39	18.932	
1,900.0	1,707.5	1,848.5	1,733.3	19.1	13.7	-121.37	283.0	493.3	532.1	502.5	29.61	17.969	
2,000.0	1,783.9	1,945.1	1,807.4	21.0	15.5	-120.26	295.4	554.0	564.4	531.3	33.04	17.083	
2,100.0	1,860.2	2,040.9	1,878.2	22.9	17.3	-118.87	308.3	617.3	596.5	559.8	36.64	16.279	
2,200.0	1,936.5	2,135.7	1,945.6	24.7	19.2	-117.27	321.6	682.6	628.7	588.3	40.41	15.559	
2,300.0	2,012.8	2,229.2	2,009.3	26.6	21.2	-115.49	335.3	749.6	661.2	616.9	44.30	14.925	
2,400.0	2,089.2	2,321.0	2,069.1	28.5	23.2	-113.59	349.3	817.9	694.2	645.9	48.29	14.376	
2,500.0	2,165.5	2,411.1	2,125.0	30.4	25.3	-111.59	363.4	887.2	728.1	675.8	52.35	13.910	
2,600.0	2,241.8	2,501.6	2,180.1	32.3	27.5	-109.65	377.8	957.5	762.9	706.5	56.43	13.519	
2,700.0	2,318.2	2,592.1	2,235.2	34.2	29.6	-107.87	392.2	1,027.8	798.5	738.0	60.49	13.201	
2,800.0	2,394.5	2,682.6	2,290.3	36.0	31.8	-106.23	406.6	1,098.1	834.7	770.2	64.50	12.941	
2,900.0	2,470.8	2,773.1	2,345.4	37.9	34.0	-104.73	420.9	1,168.5	871.4	803.0	68.48	12.726	
3,000.0	2,547.2	2,863.6	2,400.5	39.8	36.1	-103.34	435.3	1,238.8	908.7	836.3	72.42	12.548	
3,100.0	2,623.5	2,954.1	2,455.6	41.7	38.3	-102.05	449.7	1,309.1	946.4	870.1	76.33	12.400	
3,200.0	2,699.8	3,044.6	2,510.7	43.6	40.5	-100.86	464.0	1,379.4	984.6	904.4	80.21	12.275	
3,300.0	2,776.1	3,135.1	2,565.8	45.5	42.7	-99.76	478.4	1,449.8	1,023.0	939.0	84.05	12.171	
3,400.0	2,852.5	3,225.6	2,620.9	47.4	44.9	-98.73	492.8	1,520.1	1,061.8	973.9	87.87	12.083	
3,500.0	2,928.8	3,316.0	2,676.0	49.3	47.1	-97.78	507.1	1,590.4	1,100.9	1,009.2	91.67	12.009	
3,600.0	3,005.1	3,406.5	2,731.1	51.1	49.3	-96.88	521.5	1,660.7	1,140.2	1,044.7	95.44	11.946	
3,700.0	3,081.5	3,497.0	2,786.2	53.0	51.5	-96.05	535.9	1,731.1	1,179.7	1,080.5	99.19	11.893	
3,800.0	3,157.8	3,587.5	2,841.3	54.9	53.7	-95.27	550.3	1,801.4	1,219.5	1,116.5	102.92	11.848	
3,900.0	3,234.1	3,678.0	2,896.4	56.8	55.9	-94.53	564.6	1,871.7	1,259.4	1,152.7	106.64	11.810	
4,000.0	3,310.5	3,768.5	2,951.5	58.7	58.1	-93.84	579.0	1,942.1	1,299.5	1,189.1	110.33	11.778	
4,100.0	3,386.8	3,859.0	3,006.6	60.6	60.3	-93.19	593.4	2,012.4	1,339.7	1,225.7	114.01	11.751	
4,200.0	3,463.1	3,949.5	3,061.7	62.5	62.5	-92.58	607.7	2,082.7	1,380.1	1,262.4	117.68	11.728	
4,300.0	3,539.4	4,040.0	3,116.8	64.4	64.7	-92.00	622.1	2,153.0	1,420.6	1,299.3	121.33	11.709	
4,400.0	3,615.8	4,130.5	3,171.9	66.3	66.9	-91.46	636.5	2,223.4	1,461.2	1,336.3	124.97	11.693	
4,500.0	3,692.1	4,221.0	3,227.1	68.2	69.1	-90.94	650.9	2,293.7	1,502.0	1,373.4	128.60	11.680	
4,600.0	3,768.4	4,311.4	3,282.2	70.1	71.3	-90.45	665.2	2,364.0	1,542.8	1,410.6	132.22	11.669	
4,700.0	3,844.8	4,401.9	3,337.3	71.9	73.5	-89.98	679.6	2,434.3	1,583.7	1,447.9	135.82	11.660	
4,800.0	3,921.1	4,492.4	3,392.4	73.8	75.7	-89.54	694.0	2,504.7	1,624.7	1,485.3	139.42	11.653	SF
4,900.0	3,998.0	4,582.6	3,447.3	75.7	77.9	-92.18	708.3	2,574.8	1,666.2	1,523.3	142.90	11.660	
5,000.0	4,081.3	4,668.3	3,499.5	77.0	80.0	-102.74	721.9	2,641.4	1,712.6	1,567.0	145.57	11.764	
5,100.0	4,170.9	4,746.6	3,547.1	77.9	81.9	-118.64	734.3	2,702.2	1,764.5	1,616.8	147.72	11.945	

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design Bunker 8 Well Pad Sec.29-T5N-R68W - Bunker 8-7H - Wellbore #1 - Plan #2 (12-06-18)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	4,264.8	4,839.8	3,605.9	78.5	84.0	-143.18	749.7	2,772.8	1,821.3	1,671.5	149.73	12.163	
5,300.0	4,360.5	4,964.9	3,698.4	78.8	86.2	-176.22	774.0	2,853.2	1,880.5	1,728.9	151.63	12.402	
5,400.0	4,455.7	5,114.1	3,825.7	78.8	87.9	153.62	807.8	2,922.4	1,940.4	1,787.2	153.17	12.668	
5,500.0	4,548.1	5,301.4	4,001.7	78.7	88.9	133.43	854.7	2,962.9	1,998.8	1,844.6	154.13	12.968	

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design Bunker 8 Well Pad Sec.29-T5N-R68W - Bunker 8-8H - Wellbore #1 - Plan #2 (12-06-18) — **Offset Site Error:** 0.0 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	0.00	211.3	0.0	211.8				
100.0	100.0	86.0	86.0	0.1	0.1	0.00	211.3	0.0	211.3	211.0	0.26	825.071	
200.0	200.0	186.0	186.0	0.4	0.4	0.00	211.3	0.0	211.3	210.5	0.79	268.328	CC, ES
300.0	300.0	286.0	286.0	0.7	0.6	-109.91	211.3	0.0	212.2	210.8	1.33	159.679	
400.0	399.6	385.6	385.6	1.0	0.9	-111.79	211.3	0.0	215.0	213.1	1.90	113.364	
500.0	498.8	483.0	483.0	1.3	1.2	-114.34	211.8	1.4	220.5	218.0	2.52	87.647	
600.0	597.1	580.0	579.9	1.8	1.5	-116.79	213.5	6.7	229.7	226.5	3.22	71.394	
700.0	694.3	677.1	676.4	2.3	1.7	-119.04	216.6	15.9	242.4	238.4	4.03	60.210	
800.0	790.2	774.0	772.3	3.0	2.1	-121.01	220.9	28.9	258.7	253.8	4.96	52.128	
900.0	884.4	870.7	867.4	3.8	2.5	-122.68	226.6	45.7	278.5	272.4	6.05	46.063	
1,000.0	976.8	967.0	961.3	4.8	3.0	-124.02	233.4	66.2	301.5	294.2	7.29	41.384	
1,100.0	1,067.1	1,063.0	1,053.8	5.9	3.5	-125.05	241.5	90.3	327.8	319.1	8.70	37.689	
1,200.0	1,154.9	1,158.5	1,144.7	7.1	4.2	-125.79	250.7	118.0	357.2	346.9	10.29	34.713	
1,300.0	1,240.2	1,253.5	1,233.9	8.5	5.0	-126.27	261.1	149.0	389.6	377.5	12.07	32.281	
1,400.0	1,322.6	1,347.8	1,321.0	10.0	5.8	-126.51	272.5	183.3	424.8	410.7	14.05	30.237	
1,500.0	1,401.9	1,441.5	1,406.0	11.7	6.7	-126.55	285.0	220.6	462.7	446.5	16.22	28.537	
1,600.0	1,478.5	1,534.8	1,489.0	13.6	7.8	-126.95	298.5	261.1	502.8	484.3	18.55	27.104	
1,700.0	1,554.9	1,628.6	1,570.6	15.4	9.0	-127.28	313.1	305.0	542.9	521.8	21.04	25.800	
1,800.0	1,631.2	1,722.9	1,650.6	17.3	10.2	-127.14	328.9	352.2	582.5	558.8	23.71	24.568	
1,900.0	1,707.5	1,817.3	1,728.6	19.1	11.6	-126.64	345.7	402.6	621.8	595.2	26.56	23.407	
2,000.0	1,783.9	1,911.4	1,804.2	21.0	13.1	-125.84	363.5	455.8	660.7	631.1	29.60	22.324	
2,100.0	1,860.2	2,005.0	1,877.0	22.9	14.7	-124.79	382.2	511.6	699.5	666.7	32.81	21.322	
2,200.0	1,936.5	2,097.8	1,946.7	24.7	16.3	-123.55	401.6	569.7	738.3	702.1	36.18	20.407	
2,300.0	2,012.8	2,189.4	2,013.1	26.6	18.1	-122.16	421.6	629.6	777.2	737.5	39.70	19.578	
2,400.0	2,089.2	2,279.7	2,075.9	28.5	19.9	-120.64	442.1	691.0	816.5	773.2	43.34	18.840	
2,500.0	2,165.5	2,368.3	2,135.1	30.4	21.8	-119.04	463.0	753.6	856.3	809.2	47.08	18.190	
2,600.0	2,241.8	2,455.0	2,190.5	32.3	23.7	-117.38	484.1	816.9	896.8	846.0	50.88	17.627	
2,700.0	2,318.2	2,541.4	2,243.6	34.2	25.7	-115.68	505.7	881.5	938.2	883.5	54.75	17.138	
2,800.0	2,394.5	2,628.5	2,296.9	36.0	27.7	-114.08	527.5	946.9	980.4	921.7	58.63	16.722	
2,900.0	2,470.8	2,715.7	2,350.2	37.9	29.8	-112.61	549.3	1,012.3	1,023.1	960.6	62.48	16.374	
3,000.0	2,547.2	2,802.8	2,403.5	39.8	31.8	-111.25	571.2	1,077.6	1,066.4	1,000.1	66.31	16.081	
3,100.0	2,623.5	2,889.9	2,456.9	41.7	33.9	-109.99	593.0	1,143.0	1,110.2	1,040.0	70.12	15.832	
3,200.0	2,699.8	2,977.0	2,510.2	43.6	35.9	-108.82	614.8	1,208.3	1,154.4	1,080.4	73.91	15.619	
3,300.0	2,776.1	3,064.1	2,563.5	45.5	38.0	-107.73	636.7	1,273.7	1,198.9	1,121.3	77.67	15.437	
3,400.0	2,852.5	3,151.3	2,616.8	47.4	40.0	-106.71	658.5	1,339.0	1,243.9	1,162.4	81.41	15.279	
3,500.0	2,928.8	3,238.4	2,670.1	49.3	42.1	-105.77	680.3	1,404.4	1,289.1	1,203.9	85.13	15.143	
3,600.0	3,005.1	3,325.5	2,723.4	51.1	44.1	-104.88	702.1	1,469.7	1,334.6	1,245.7	88.82	15.025	
3,700.0	3,081.5	3,412.6	2,776.7	53.0	46.2	-104.05	724.0	1,535.1	1,380.3	1,287.8	92.51	14.922	
3,800.0	3,157.8	3,499.8	2,830.1	54.9	48.2	-103.28	745.8	1,600.4	1,426.3	1,330.1	96.17	14.831	
3,900.0	3,234.1	3,586.9	2,883.4	56.8	50.3	-102.55	767.6	1,665.8	1,472.4	1,372.6	99.82	14.752	
4,000.0	3,310.5	3,674.0	2,936.7	58.7	52.4	-101.86	789.4	1,731.1	1,518.8	1,415.4	103.45	14.682	
4,100.0	3,386.8	3,761.1	2,990.0	60.6	54.4	-101.21	811.3	1,796.5	1,565.3	1,458.2	107.07	14.620	
4,200.0	3,463.1	3,848.2	3,043.3	62.5	56.5	-100.60	833.1	1,861.9	1,612.0	1,501.3	110.67	14.565	
4,300.0	3,539.4	3,935.4	3,096.6	64.4	58.6	-100.02	854.9	1,927.2	1,658.8	1,544.5	114.27	14.517	
4,400.0	3,615.8	4,022.5	3,150.0	66.3	60.6	-99.47	876.7	1,992.6	1,705.7	1,587.9	117.85	14.474	
4,500.0	3,692.1	4,109.6	3,203.3	68.2	62.7	-98.96	898.6	2,057.9	1,752.8	1,631.4	121.42	14.436	
4,600.0	3,768.4	4,196.7	3,256.6	70.1	64.8	-98.46	920.4	2,123.3	1,800.0	1,675.0	124.98	14.402	
4,700.0	3,844.8	4,283.8	3,309.9	71.9	66.8	-98.00	942.2	2,188.6	1,847.2	1,718.7	128.53	14.371	
4,800.0	3,921.1	4,371.0	3,363.2	73.8	68.9	-97.55	964.0	2,254.0	1,894.6	1,762.5	132.08	14.344	
4,900.0	3,998.0	4,457.8	3,416.4	75.7	71.0	-100.52	985.8	2,319.1	1,942.3	1,806.9	135.41	14.344	SF
5,000.0	4,081.3	4,540.2	3,466.8	77.0	72.9	-111.96	1,006.4	2,381.0	1,993.3	1,855.4	137.82	14.463	

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design Bunker 8 Well Pad Sec.29-T5N-R68W - Bunker 8-9H - Wellbore #1 - Plan #2 (12-06-18)

Offset Site Error: 0.0 ft

Survey Program: 0-MWD

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	0.01	240.5	0.0	240.9				
100.0	100.0	85.0	85.0	0.1	0.1	0.01	240.5	0.0	240.5	240.2	0.25	943.972	
200.0	200.0	185.0	185.0	0.4	0.4	0.01	240.5	0.0	240.5	239.7	0.78	306.421	CC, ES
300.0	300.0	281.7	281.6	0.7	0.6	-109.47	241.0	1.3	241.9	240.6	1.31	184.173	
400.0	399.6	377.6	377.4	1.0	0.9	-109.82	243.1	6.3	246.7	244.8	1.88	131.156	
500.0	498.8	473.3	472.7	1.3	1.2	-110.28	246.8	15.0	254.9	252.3	2.54	100.176	
600.0	597.1	568.7	567.1	1.8	1.6	-110.82	252.0	27.3	266.4	263.1	3.33	79.896	
700.0	694.3	663.6	660.4	2.3	2.0	-111.38	258.6	43.0	281.3	277.1	4.28	65.767	
800.0	790.2	757.9	752.4	3.0	2.5	-111.94	266.7	62.2	299.6	294.2	5.39	55.567	
900.0	884.4	851.5	842.7	3.8	3.1	-112.45	276.2	84.7	321.1	314.4	6.69	48.025	
1,000.0	976.8	944.2	931.2	4.8	3.7	-112.89	287.0	110.3	345.9	337.7	8.17	42.340	
1,100.0	1,067.1	1,036.1	1,017.7	5.9	4.5	-113.24	299.1	139.0	373.9	364.0	9.84	37.981	
1,200.0	1,154.9	1,127.0	1,101.9	7.1	5.3	-113.49	312.4	170.4	404.9	393.2	11.71	34.582	
1,300.0	1,240.2	1,216.9	1,183.8	8.5	6.2	-113.63	326.8	204.4	439.0	425.2	13.77	31.883	
1,400.0	1,322.6	1,305.6	1,263.2	10.0	7.2	-113.66	342.2	241.0	476.0	460.0	16.02	29.717	
1,500.0	1,401.9	1,393.3	1,340.1	11.7	8.2	-113.57	358.6	279.8	515.8	497.4	18.46	27.940	
1,600.0	1,478.5	1,480.0	1,414.4	13.6	9.4	-114.06	375.9	320.8	558.0	536.9	21.08	26.473	
1,700.0	1,554.9	1,566.5	1,487.0	15.4	10.6	-114.64	394.3	364.3	601.1	577.3	23.80	25.251	
1,800.0	1,631.2	1,652.9	1,557.5	17.3	11.9	-114.82	413.6	410.2	644.7	618.0	26.64	24.203	
1,900.0	1,707.5	1,738.7	1,625.7	19.1	13.3	-114.68	433.9	458.3	688.8	659.2	29.57	23.292	
2,000.0	1,783.9	1,823.9	1,691.4	21.0	14.7	-114.29	455.0	508.2	733.4	700.8	32.60	22.495	
2,100.0	1,860.2	1,908.1	1,754.3	22.9	16.2	-113.69	476.8	559.8	778.7	742.9	35.73	21.795	
2,200.0	1,936.5	1,991.2	1,814.3	24.7	17.8	-112.93	499.1	612.7	824.6	785.6	38.94	21.178	
2,300.0	2,012.8	2,072.9	1,871.3	26.6	19.5	-112.03	521.9	666.7	871.2	829.0	42.22	20.637	
2,400.0	2,089.2	2,153.2	1,925.2	28.5	21.2	-111.05	545.0	721.5	918.7	873.2	45.54	20.172	
2,500.0	2,165.5	2,231.8	1,975.9	30.4	22.9	-109.99	568.4	776.8	967.1	918.2	48.90	19.776	
2,600.0	2,241.8	2,308.6	2,023.4	32.3	24.6	-108.88	591.8	832.3	1,016.5	964.2	52.28	19.444	
2,700.0	2,318.2	2,384.2	2,068.3	34.2	26.4	-107.73	615.5	888.5	1,067.0	1,011.3	55.68	19.163	
2,800.0	2,394.5	2,467.6	2,116.7	36.0	28.3	-106.50	641.9	950.9	1,118.2	1,059.0	59.26	18.871	
2,900.0	2,470.8	2,550.9	2,165.2	37.9	30.3	-105.37	668.3	1,013.4	1,169.8	1,107.0	62.81	18.624	
3,000.0	2,547.2	2,634.3	2,213.7	39.8	32.3	-104.33	694.6	1,075.9	1,221.7	1,155.3	66.34	18.414	
3,100.0	2,623.5	2,717.6	2,262.1	41.7	34.3	-103.38	721.0	1,138.4	1,273.9	1,204.0	69.86	18.234	
3,200.0	2,699.8	2,801.0	2,310.6	43.6	36.3	-102.49	747.4	1,200.8	1,326.3	1,252.9	73.36	18.079	
3,300.0	2,776.1	2,884.3	2,359.1	45.5	38.3	-101.67	773.8	1,263.3	1,378.9	1,302.1	76.84	17.945	
3,400.0	2,852.5	2,967.7	2,407.5	47.4	40.3	-100.91	800.1	1,325.8	1,431.8	1,351.5	80.31	17.827	
3,500.0	2,928.8	3,051.0	2,456.0	49.3	42.3	-100.21	826.5	1,388.2	1,484.8	1,401.0	83.77	17.725	
3,600.0	3,005.1	3,134.4	2,504.5	51.1	44.4	-99.55	852.9	1,450.7	1,538.0	1,450.8	87.21	17.635	
3,700.0	3,081.5	3,217.7	2,552.9	53.0	46.4	-98.93	879.2	1,513.2	1,591.3	1,500.7	90.65	17.555	
3,800.0	3,157.8	3,301.1	2,601.4	54.9	48.4	-98.35	905.6	1,575.7	1,644.8	1,550.7	94.07	17.485	
3,900.0	3,234.1	3,384.4	2,649.8	56.8	50.4	-97.80	932.0	1,638.1	1,698.3	1,600.8	97.48	17.422	
4,000.0	3,310.5	3,467.8	2,698.3	58.7	52.4	-97.29	958.4	1,700.6	1,752.0	1,651.1	100.88	17.367	
4,100.0	3,386.8	3,551.1	2,746.8	60.6	54.4	-96.81	984.7	1,763.1	1,805.8	1,701.5	104.28	17.317	
4,200.0	3,463.1	3,634.5	2,795.2	62.5	56.5	-96.36	1,011.1	1,825.5	1,859.6	1,751.9	107.66	17.273	
4,300.0	3,539.4	3,717.8	2,843.7	64.4	58.5	-95.93	1,037.5	1,888.0	1,913.5	1,802.5	111.04	17.233	
4,400.0	3,615.8	3,801.2	2,892.2	66.3	60.5	-95.52	1,063.9	1,950.5	1,967.5	1,853.1	114.41	17.197	SF

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design offset wells - Bunker 1A PA - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 4951-UNKNOWN

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-90.73	-20.7	-1,624.5	1,624.7				
100.0	100.0	87.0	87.0	0.1	2.1	-90.73	-20.7	-1,624.5	1,624.7	1,622.4	2.27	715.893	
200.0	200.0	187.0	187.0	0.4	4.6	-90.73	-20.7	-1,624.5	1,624.7	1,619.7	4.99	325.273	
300.0	300.0	287.0	287.0	0.7	7.0	160.01	-20.7	-1,624.5	1,627.1	1,619.4	7.71	210.988	
400.0	399.6	386.6	386.6	1.0	9.5	160.03	-20.7	-1,624.5	1,634.5	1,624.1	10.41	157.045	
500.0	498.8	485.8	485.8	1.3	11.9	160.06	-20.7	-1,624.5	1,646.8	1,633.7	13.07	126.038	
600.0	597.1	584.1	584.1	1.8	14.3	160.09	-20.7	-1,624.5	1,663.9	1,648.3	15.66	106.228	
700.0	694.3	681.3	681.3	2.3	16.7	160.13	-20.7	-1,624.5	1,686.0	1,667.8	18.18	92.716	
800.0	790.2	777.2	777.2	3.0	19.0	160.17	-20.7	-1,624.5	1,712.8	1,692.2	20.61	83.105	
900.0	884.4	871.4	871.4	3.8	21.4	160.21	-20.7	-1,624.5	1,744.4	1,721.5	22.93	76.088	
1,000.0	976.8	963.8	963.8	4.8	23.6	160.23	-20.7	-1,624.5	1,780.7	1,755.6	25.12	70.892	
1,100.0	1,067.1	1,054.1	1,054.1	5.9	25.8	160.23	-20.7	-1,624.5	1,821.7	1,794.5	27.17	67.035	
1,200.0	1,154.9	1,141.9	1,141.9	7.1	28.0	160.21	-20.7	-1,624.5	1,867.2	1,838.1	29.08	64.197	
1,300.0	1,240.2	1,227.2	1,227.2	8.5	30.1	160.15	-20.7	-1,624.5	1,917.1	1,886.3	30.84	62.160	
1,400.0	1,322.6	1,309.6	1,309.6	10.0	32.1	160.05	-20.7	-1,624.5	1,971.4	1,938.9	32.44	60.767	
8,300.0	4,854.5	4,841.5	4,841.5	112.6	118.6	93.67	-20.7	-1,624.5	1,937.0	1,706.9	230.11	8.417	
8,400.0	4,849.7	4,836.7	4,836.7	115.1	118.5	93.44	-20.7	-1,624.5	1,857.9	1,625.3	232.66	7.986	
8,500.0	4,844.9	4,831.9	4,831.9	117.7	118.4	93.20	-20.7	-1,624.5	1,781.0	1,545.8	235.24	7.571	
8,600.0	4,840.1	4,827.1	4,827.1	120.4	118.3	92.97	-20.7	-1,624.5	1,706.4	1,468.6	237.86	7.174	
8,700.0	4,835.3	4,822.3	4,822.3	123.0	118.1	92.73	-20.7	-1,624.5	1,634.6	1,394.1	240.51	6.796	
8,800.0	4,830.5	4,817.5	4,817.5	125.8	118.0	92.49	-20.7	-1,624.5	1,565.8	1,322.6	243.19	6.438	
8,900.0	4,825.7	4,812.7	4,812.7	128.5	117.9	92.26	-20.7	-1,624.5	1,500.5	1,254.6	245.91	6.102	
9,000.0	4,820.9	4,807.9	4,807.9	131.3	117.8	92.02	-20.7	-1,624.5	1,439.2	1,190.5	248.65	5.788	
9,100.0	4,816.1	4,803.1	4,803.1	134.1	117.7	91.78	-20.7	-1,624.5	1,382.4	1,131.0	251.41	5.499	
9,200.0	4,811.3	4,798.3	4,798.3	137.0	117.6	91.55	-20.7	-1,624.5	1,330.7	1,076.5	254.20	5.235	
9,300.0	4,806.5	4,793.5	4,793.5	139.9	117.4	91.31	-20.7	-1,624.5	1,284.6	1,027.6	257.01	4.998	
9,400.0	4,801.7	4,788.7	4,788.7	142.8	117.3	91.07	-20.7	-1,624.5	1,245.0	985.1	259.84	4.791	
9,500.0	4,797.6	4,784.6	4,784.6	145.7	117.2	90.45	-20.7	-1,624.5	1,212.2	949.5	262.71	4.614	
9,600.0	4,795.9	4,782.9	4,782.9	148.7	117.2	90.20	-20.7	-1,624.5	1,187.0	921.3	265.66	4.468	
9,700.0	4,794.3	4,781.3	4,781.3	151.7	117.1	90.12	-20.7	-1,624.5	1,169.8	901.1	268.63	4.355	
9,800.0	4,792.7	4,779.7	4,779.7	154.7	117.1	90.04	-20.7	-1,624.5	1,160.9	889.3	271.61	4.274	
9,852.8	4,791.9	4,778.9	4,778.9	156.3	117.1	90.00	-20.7	-1,624.5	1,159.7	886.5	273.20	4.245	CC
9,900.0	4,791.2	4,778.2	4,778.2	157.7	117.1	89.96	-20.7	-1,624.5	1,160.7	886.1	274.61	4.227	ES
10,000.0	4,789.6	4,776.6	4,776.6	160.7	117.0	89.88	-20.7	-1,624.5	1,169.0	891.4	277.63	4.211	SF
10,100.0	4,788.0	4,775.0	4,775.0	163.8	117.0	89.81	-20.7	-1,624.5	1,185.8	905.1	280.66	4.225	
10,200.0	4,786.4	4,773.4	4,773.4	166.9	116.9	89.73	-20.7	-1,624.5	1,210.6	926.9	283.71	4.267	
10,300.0	4,784.8	4,771.8	4,771.8	170.0	116.9	89.65	-20.7	-1,624.5	1,242.9	956.2	286.76	4.334	
10,400.0	4,783.2	4,770.2	4,770.2	173.1	116.9	89.57	-20.7	-1,624.5	1,282.3	992.5	289.84	4.424	
10,500.0	4,781.6	4,768.6	4,768.6	176.2	116.8	89.49	-20.7	-1,624.5	1,328.0	1,035.1	292.92	4.534	
10,600.0	4,780.1	4,767.1	4,767.1	179.3	116.8	89.41	-20.7	-1,624.5	1,379.5	1,083.5	296.01	4.660	
10,700.0	4,778.5	4,765.5	4,765.5	182.5	116.8	89.34	-20.7	-1,624.5	1,436.1	1,137.0	299.11	4.801	
10,800.0	4,776.9	4,763.9	4,763.9	185.6	116.7	89.26	-20.7	-1,624.5	1,497.3	1,195.1	302.23	4.954	
10,900.0	4,775.3	4,762.3	4,762.3	188.8	116.7	89.18	-20.7	-1,624.5	1,562.5	1,257.1	305.35	5.117	
11,000.0	4,773.7	4,760.7	4,760.7	192.0	116.6	89.10	-20.7	-1,624.5	1,631.2	1,322.7	308.48	5.288	
11,100.0	4,772.1	4,759.1	4,759.1	195.1	116.6	89.02	-20.7	-1,624.5	1,702.9	1,391.3	311.62	5.465	
11,200.0	4,770.5	4,757.5	4,757.5	198.3	116.6	88.94	-20.7	-1,624.5	1,777.5	1,462.7	314.77	5.647	
11,300.0	4,768.9	4,755.9	4,755.9	201.5	116.5	88.87	-20.7	-1,624.5	1,854.4	1,536.5	317.92	5.833	
11,400.0	4,767.4	4,754.4	4,754.4	204.7	116.5	88.79	-20.7	-1,624.5	1,933.4	1,612.3	321.08	6.022	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design offset wells - Bunker 5 PR - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 100-NS-GYRO-MS

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-166.82	-1,355.6	-317.4	1,392.3				
100.0	100.0	84.8	84.8	0.1	0.1	-166.81	-1,355.6	-317.7	1,392.3	1,392.1	0.28	5,050.057	
200.0	200.0	186.7	186.7	0.4	0.4	-166.78	-1,355.6	-318.4	1,392.4	1,391.6	0.86	1,626.755	
300.0	300.0	287.0	287.0	0.7	0.8	84.09	-1,355.4	-318.9	1,392.2	1,390.7	1.44	966.158	
400.0	399.6	386.5	386.5	1.0	1.1	84.45	-1,355.3	-319.4	1,391.4	1,389.3	2.05	679.373	
500.0	498.8	485.1	485.1	1.3	1.4	85.04	-1,355.2	-320.0	1,390.2	1,387.5	2.72	510.563	
600.0	597.1	582.8	582.8	1.8	1.7	85.84	-1,355.1	-320.7	1,388.8	1,385.3	3.49	398.170	
700.0	694.3	678.7	678.7	2.3	2.0	86.85	-1,354.9	-321.8	1,387.4	1,383.1	4.36	318.264	
800.0	790.2	772.4	772.4	3.0	2.3	88.05	-1,354.7	-323.4	1,386.4	1,381.0	5.35	259.242	
891.2	876.2	857.2	857.1	3.7	2.6	89.28	-1,354.5	-325.2	1,386.0	1,379.7	6.37	217.654	
900.0	884.4	865.2	865.2	3.8	2.6	89.41	-1,354.5	-325.3	1,386.0	1,379.6	6.47	214.354	
1,000.0	976.8	956.7	956.7	4.8	2.9	90.91	-1,354.2	-327.3	1,386.7	1,379.0	7.72	179.674	
1,100.0	1,067.1	1,045.8	1,045.7	5.9	3.2	92.50	-1,354.0	-329.2	1,388.7	1,379.6	9.10	152.584	
1,200.0	1,154.9	1,132.1	1,131.9	7.1	3.5	94.14	-1,353.9	-331.0	1,392.6	1,382.0	10.62	131.188	
1,300.0	1,240.2	1,215.7	1,215.5	8.5	3.8	95.79	-1,353.8	-332.6	1,398.8	1,386.6	12.26	114.111	
1,400.0	1,322.6	1,296.6	1,296.4	10.0	4.0	97.43	-1,353.9	-334.0	1,407.8	1,393.8	14.03	100.362	
1,500.0	1,401.9	1,371.7	1,371.6	11.7	4.3	98.95	-1,354.0	-335.5	1,420.1	1,404.1	15.91	89.259	
1,600.0	1,478.5	1,443.0	1,442.8	13.6	4.5	100.64	-1,354.2	-337.0	1,435.9	1,418.0	17.88	80.325	
1,700.0	1,554.9	1,513.8	1,513.6	15.4	4.7	102.48	-1,354.6	-338.6	1,454.9	1,435.0	19.83	73.371	
1,800.0	1,631.2	1,587.0	1,586.8	17.3	5.0	104.36	-1,355.1	-340.3	1,476.7	1,454.9	21.76	67.876	
1,900.0	1,707.5	1,661.8	1,661.6	19.1	5.2	106.24	-1,355.7	-342.2	1,501.2	1,477.5	23.65	63.471	
2,000.0	1,783.9	1,735.8	1,735.6	21.0	5.4	108.08	-1,356.0	-344.3	1,528.2	1,502.7	25.51	59.912	
2,100.0	1,860.2	1,809.1	1,808.8	22.9	5.7	109.86	-1,356.4	-346.4	1,557.6	1,530.3	27.32	57.016	
2,200.0	1,936.5	1,882.8	1,882.5	24.7	5.9	111.60	-1,356.8	-348.6	1,589.3	1,560.3	29.08	54.648	
2,300.0	2,012.8	1,956.9	1,956.5	26.6	6.2	113.31	-1,357.2	-350.8	1,623.2	1,592.4	30.80	52.705	
2,400.0	2,089.2	2,034.3	2,033.9	28.5	6.4	115.05	-1,357.7	-353.1	1,659.0	1,626.6	32.46	51.113	
2,500.0	2,165.5	2,116.0	2,115.5	30.4	6.7	116.83	-1,358.2	-355.2	1,696.5	1,662.4	34.06	49.810	
2,600.0	2,241.8	2,195.6	2,195.2	32.3	6.9	118.50	-1,358.5	-356.9	1,735.4	1,699.8	35.61	48.736	
2,700.0	2,318.2	2,271.2	2,270.7	34.2	7.2	120.04	-1,358.8	-358.5	1,775.8	1,738.7	37.11	47.848	
2,800.0	2,394.5	2,346.2	2,345.7	36.0	7.4	121.52	-1,359.1	-360.0	1,817.7	1,779.1	38.57	47.126	
2,900.0	2,470.8	2,420.9	2,420.4	37.9	7.7	122.95	-1,359.3	-361.6	1,861.0	1,821.0	39.98	46.547	
3,000.0	2,547.2	2,495.6	2,495.0	39.8	7.9	124.33	-1,359.6	-363.2	1,905.6	1,864.2	41.34	46.092	
3,100.0	2,623.5	2,569.8	2,569.2	41.7	8.1	125.66	-1,359.8	-364.8	1,951.5	1,908.8	42.66	45.741	
3,200.0	2,699.8	2,643.2	2,642.7	43.6	8.4	126.93	-1,360.0	-366.5	1,998.5	1,954.5	43.94	45.478	
6,800.0	4,926.5	4,420.7	4,419.2	83.5	14.1	-26.44	-1,374.1	-421.1	1,930.1	1,879.9	50.27	38.392	
6,900.0	4,921.7	4,420.7	4,419.2	84.7	14.1	-26.44	-1,374.1	-421.1	1,833.1	1,781.8	51.29	35.740	
7,000.0	4,916.9	4,420.7	4,419.2	86.1	14.1	-26.44	-1,374.1	-421.1	1,736.3	1,684.0	52.35	33.170	
7,100.0	4,912.1	4,420.7	4,419.2	87.6	14.1	-26.44	-1,374.1	-421.1	1,640.0	1,586.6	53.44	30.687	
7,200.0	4,907.3	4,420.7	4,419.2	89.2	14.1	-26.44	-1,374.1	-421.1	1,544.1	1,489.5	54.58	28.293	
7,300.0	4,902.5	4,420.7	4,419.2	90.9	14.1	-26.44	-1,374.1	-421.1	1,448.8	1,393.0	55.74	25.990	
7,400.0	4,897.7	4,420.7	4,419.2	92.7	14.1	-26.44	-1,374.1	-421.1	1,354.1	1,297.2	56.94	23.781	
7,500.0	4,892.9	4,420.7	4,419.2	94.5	14.1	-26.44	-1,374.1	-421.1	1,260.3	1,202.1	58.17	21.665	
7,600.0	4,888.1	4,420.7	4,419.2	96.5	14.1	-26.44	-1,374.1	-421.1	1,167.5	1,108.1	59.43	19.646	
7,700.0	4,883.3	4,420.7	4,419.2	98.6	14.1	-26.44	-1,374.1	-421.1	1,076.0	1,015.3	60.71	17.724	
7,800.0	4,878.5	4,420.7	4,419.2	100.8	14.1	-26.44	-1,374.1	-421.1	986.2	924.1	62.02	15.902	
7,900.0	4,873.7	4,420.7	4,419.2	103.0	14.1	-26.44	-1,374.1	-421.1	898.4	835.1	63.34	14.184	
8,000.0	4,868.9	4,420.7	4,419.2	105.3	14.1	-26.44	-1,374.1	-421.1	813.6	748.9	64.69	12.576	
8,100.0	4,864.1	4,420.7	4,419.2	107.7	14.1	-26.44	-1,374.1	-421.1	732.5	666.5	66.06	11.089	
8,200.0	4,859.3	4,420.7	4,419.2	110.1	14.1	-26.44	-1,374.1	-421.1	656.8	589.3	67.45	9.737	
8,300.0	4,854.5	4,420.7	4,419.2	112.6	14.1	-26.44	-1,374.1	-421.1	588.2	519.4	68.85	8.544	
8,400.0	4,849.7	4,420.7	4,419.2	115.1	14.1	-26.44	-1,374.1	-421.1	529.8	459.6	70.27	7.540	
8,500.0	4,844.9	4,420.7	4,419.2	117.7	14.1	-26.44	-1,374.1	-421.1	485.2	413.5	71.70	6.767	

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design offset wells - Bunker 5 PR - Wellbore #1 - Wellbore #1 — **Offset Site Error:** 0.0 ft

Survey Program: 100-NS-GYRO-MS — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,600.0	4,840.1	4,420.7	4,419.2	120.4	14.1	-26.44	-1,374.1	-421.1	458.4	385.3	73.15	6.267	
8,676.5	4,836.5	4,420.7	4,419.2	122.4	14.1	-26.44	-1,374.1	-421.1	452.0	377.7	74.26	6.086	CC, ES
8,700.0	4,835.3	4,420.7	4,419.2	123.0	14.1	-26.44	-1,374.1	-421.1	452.6	378.0	74.61	6.066	SF
8,800.0	4,830.5	4,420.7	4,419.2	125.8	14.1	-26.44	-1,374.1	-421.1	468.6	392.5	76.08	6.159	
8,900.0	4,825.7	4,420.7	4,419.2	128.5	14.1	-26.44	-1,374.1	-421.1	504.2	426.7	77.56	6.501	
9,000.0	4,820.9	4,420.7	4,419.2	131.3	14.1	-26.44	-1,374.1	-421.1	555.8	476.8	79.06	7.031	
9,100.0	4,816.1	4,420.7	4,419.2	134.1	14.1	-26.44	-1,374.1	-421.1	619.4	538.8	80.56	7.689	
9,200.0	4,811.3	4,420.7	4,419.2	137.0	14.1	-26.44	-1,374.1	-421.1	691.6	609.6	82.07	8.427	
9,300.0	4,806.5	4,420.7	4,419.2	139.9	14.1	-26.44	-1,374.1	-421.1	770.1	686.5	83.59	9.212	
9,400.0	4,801.7	4,420.7	4,419.2	142.8	14.1	-26.44	-1,374.1	-421.1	853.1	768.0	85.12	10.022	
9,500.0	4,797.6	4,420.7	4,419.2	145.7	14.1	-27.48	-1,374.1	-421.1	939.7	851.1	88.55	10.612	
9,600.0	4,795.9	4,420.7	4,419.2	148.7	14.1	-27.99	-1,374.1	-421.1	1,029.6	938.5	91.10	11.302	
9,700.0	4,794.3	4,420.7	4,419.2	151.7	14.1	-27.99	-1,374.1	-421.1	1,121.3	1,028.6	92.71	12.095	
9,800.0	4,792.7	4,420.7	4,419.2	154.7	14.1	-27.99	-1,374.1	-421.1	1,214.3	1,120.0	94.32	12.874	
9,900.0	4,791.2	4,420.7	4,419.2	157.7	14.1	-27.99	-1,374.1	-421.1	1,308.4	1,212.4	95.95	13.637	
10,000.0	4,789.6	4,420.7	4,419.2	160.7	14.1	-27.99	-1,374.1	-421.1	1,403.2	1,305.7	97.57	14.381	
10,100.0	4,788.0	4,420.7	4,419.2	163.8	14.1	-27.99	-1,374.1	-421.1	1,498.8	1,399.6	99.21	15.107	
10,200.0	4,786.4	4,420.7	4,419.2	166.9	14.1	-27.99	-1,374.1	-421.1	1,594.8	1,494.0	100.85	15.814	
10,300.0	4,784.8	4,420.7	4,419.2	170.0	14.1	-27.99	-1,374.1	-421.1	1,691.4	1,588.9	102.50	16.502	
10,400.0	4,783.2	4,420.7	4,419.2	173.1	14.1	-27.99	-1,374.1	-421.1	1,788.3	1,684.1	104.15	17.171	
10,500.0	4,781.6	4,420.7	4,419.2	176.2	14.1	-27.99	-1,374.1	-421.1	1,885.5	1,779.7	105.80	17.821	
10,600.0	4,780.1	4,420.7	4,419.2	179.3	14.1	-27.99	-1,374.1	-421.1	1,983.0	1,875.6	107.47	18.453	

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design offset wells - Bunker 6 PR - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 100-NS-GYRO-MS

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,100.0	4,864.1	4,802.9	4,800.8	107.7	14.9	-104.97	-1,335.8	-1,772.9	1,914.7	1,797.3	117.48	16.298	
8,200.0	4,859.3	4,800.8	4,798.6	110.1	14.9	-104.22	-1,335.8	-1,772.8	1,815.1	1,694.8	120.30	15.088	
8,300.0	4,854.5	4,800.0	4,797.9	112.6	14.9	-103.96	-1,335.8	-1,772.8	1,715.5	1,592.6	122.93	13.955	
8,400.0	4,849.7	4,796.6	4,794.5	115.1	14.9	-102.78	-1,335.8	-1,772.7	1,616.0	1,489.9	126.05	12.820	
8,500.0	4,844.9	4,794.6	4,792.5	117.7	14.9	-102.05	-1,335.8	-1,772.6	1,516.5	1,387.5	128.99	11.757	
8,600.0	4,840.1	4,792.5	4,790.4	120.4	14.9	-101.31	-1,335.8	-1,772.6	1,417.1	1,285.1	131.96	10.739	
8,700.0	4,835.3	4,790.4	4,788.3	123.0	14.9	-100.57	-1,335.8	-1,772.5	1,317.7	1,182.8	134.97	9.763	
8,800.0	4,830.5	4,788.3	4,786.2	125.8	14.9	-99.81	-1,335.8	-1,772.5	1,218.5	1,080.5	138.00	8.829	
8,900.0	4,825.7	4,786.2	4,784.1	128.5	14.9	-99.04	-1,335.8	-1,772.4	1,119.4	978.3	141.07	7.935	
9,000.0	4,820.9	4,784.0	4,781.9	131.3	14.9	-98.26	-1,335.8	-1,772.4	1,020.5	876.3	144.15	7.079	
9,100.0	4,816.1	4,781.9	4,779.8	134.1	14.9	-97.48	-1,335.8	-1,772.3	921.8	774.5	147.25	6.260	
9,200.0	4,811.3	4,779.7	4,777.6	137.0	14.9	-96.68	-1,335.8	-1,772.3	823.4	673.0	150.37	5.476	
9,300.0	4,806.5	4,777.5	4,775.4	139.9	14.9	-95.88	-1,335.8	-1,772.2	725.4	571.9	153.50	4.726	
9,400.0	4,801.7	4,775.3	4,773.2	142.8	14.8	-95.06	-1,335.8	-1,772.1	628.1	471.5	156.63	4.010	
9,500.0	4,797.6	4,773.8	4,771.6	145.7	14.8	-90.02	-1,335.8	-1,772.1	531.7	371.4	160.32	3.317	
9,600.0	4,795.9	4,774.6	4,772.4	148.7	14.8	-88.52	-1,335.8	-1,772.1	437.0	273.7	163.32	2.676	
9,700.0	4,794.3	4,775.5	4,773.4	151.7	14.8	-88.86	-1,335.8	-1,772.1	345.3	178.9	166.34	2.076	
9,800.0	4,792.7	4,776.4	4,774.3	154.7	14.8	-89.21	-1,335.8	-1,772.2	259.7	90.3	169.37	1.533	
9,900.0	4,791.2	4,777.4	4,775.3	157.7	14.9	-89.56	-1,335.8	-1,772.2	188.9	16.5	172.41	1.096	Level 2
10,000.0	4,789.6	4,778.3	4,776.2	160.7	14.9	-89.92	-1,335.8	-1,772.2	154.6	-20.8	175.46	0.881	Level 1
10,008.9	4,789.4	4,778.4	4,776.3	161.0	14.9	-89.95	-1,335.8	-1,772.2	154.4	-21.4	175.74	0.878	Level 1, CC, ES, SF
10,100.0	4,788.0	4,779.3	4,777.2	163.8	14.9	-90.28	-1,335.8	-1,772.2	179.3	0.7	178.53	1.004	Level 2
10,200.0	4,786.4	4,780.3	4,778.1	166.9	14.9	-90.64	-1,335.8	-1,772.3	245.7	64.1	181.59	1.353	Level 3
10,300.0	4,784.8	4,781.3	4,779.1	170.0	14.9	-91.00	-1,335.8	-1,772.3	329.5	144.9	184.67	1.784	
10,400.0	4,783.2	4,782.2	4,780.1	173.1	14.9	-91.37	-1,335.8	-1,772.3	420.5	232.7	187.75	2.240	
10,500.0	4,781.6	4,783.2	4,781.1	176.2	14.9	-91.74	-1,335.8	-1,772.3	514.8	324.0	190.84	2.698	
10,600.0	4,780.1	4,784.2	4,782.1	179.3	14.9	-92.11	-1,335.8	-1,772.4	610.9	417.0	193.92	3.150	
10,700.0	4,778.5	4,785.3	4,783.1	182.5	14.9	-92.49	-1,335.8	-1,772.4	708.1	511.1	197.01	3.594	
10,800.0	4,776.9	4,786.3	4,784.2	185.6	14.9	-92.87	-1,335.8	-1,772.4	806.0	605.9	200.10	4.028	
10,900.0	4,775.3	4,787.3	4,785.2	188.8	14.9	-93.25	-1,335.8	-1,772.5	904.4	701.2	203.19	4.451	
11,000.0	4,773.7	4,788.4	4,786.2	192.0	14.9	-93.64	-1,335.8	-1,772.5	1,003.0	796.8	206.28	4.862	
11,100.0	4,772.1	4,789.4	4,787.3	195.1	14.9	-94.03	-1,335.8	-1,772.5	1,102.0	892.6	209.37	5.263	
11,200.0	4,770.5	4,790.5	4,788.4	198.3	14.9	-94.42	-1,335.8	-1,772.5	1,201.0	988.6	212.45	5.653	
11,300.0	4,768.9	4,791.6	4,789.4	201.5	14.9	-94.81	-1,335.8	-1,772.6	1,300.3	1,084.8	215.53	6.033	
11,400.0	4,767.4	4,792.6	4,790.5	204.7	14.9	-95.21	-1,335.8	-1,772.6	1,399.6	1,181.0	218.60	6.403	
11,500.0	4,765.8	4,793.7	4,791.6	208.0	14.9	-95.61	-1,335.8	-1,772.6	1,499.0	1,277.4	221.66	6.763	
11,600.0	4,764.2	4,794.8	4,792.7	211.2	14.9	-96.02	-1,335.8	-1,772.6	1,598.5	1,373.8	224.72	7.114	
11,700.0	4,762.6	4,795.9	4,793.8	214.4	14.9	-96.42	-1,335.8	-1,772.7	1,698.1	1,470.3	227.76	7.456	
11,800.0	4,761.0	4,797.1	4,794.9	217.7	14.9	-96.84	-1,335.8	-1,772.7	1,797.7	1,566.9	230.80	7.789	
11,900.0	4,759.4	4,798.2	4,796.1	220.9	14.9	-97.25	-1,335.8	-1,772.7	1,897.3	1,663.5	233.82	8.114	
12,000.0	4,757.8	4,799.3	4,797.2	224.1	14.9	-97.67	-1,335.8	-1,772.8	1,997.0	1,760.2	236.84	8.432	

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design offset wells - Gregg 1 PA - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 4993-UNKNOWN

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,700.0	4,778.5	4,765.5	4,765.5	182.5	116.8	-98.29	-1,404.8	-4,363.9	1,912.2	1,616.3	295.93	6.462	
10,800.0	4,776.9	4,763.9	4,763.9	185.6	116.7	-97.86	-1,404.8	-4,363.9	1,812.9	1,513.5	299.33	6.056	
10,900.0	4,775.3	4,762.3	4,762.3	188.8	116.7	-97.43	-1,404.8	-4,363.9	1,713.6	1,410.8	302.74	5.660	
11,000.0	4,773.7	4,760.7	4,760.7	192.0	116.6	-97.00	-1,404.8	-4,363.9	1,614.4	1,308.2	306.15	5.273	
11,100.0	4,772.1	4,759.1	4,759.1	195.1	116.6	-96.56	-1,404.8	-4,363.9	1,515.2	1,205.7	309.55	4.895	
11,200.0	4,770.5	4,757.5	4,757.5	198.3	116.6	-96.13	-1,404.8	-4,363.9	1,416.3	1,103.3	312.95	4.525	
11,300.0	4,768.9	4,755.9	4,755.9	201.5	116.5	-95.70	-1,404.8	-4,363.9	1,317.4	1,001.1	316.35	4.164	
11,400.0	4,767.4	4,754.4	4,754.4	204.7	116.5	-95.26	-1,404.8	-4,363.9	1,218.8	899.0	319.74	3.812	
11,500.0	4,765.8	4,752.8	4,752.8	208.0	116.4	-94.82	-1,404.8	-4,363.9	1,120.4	797.2	323.13	3.467	
11,600.0	4,764.2	4,751.2	4,751.2	211.2	116.4	-94.39	-1,404.8	-4,363.9	1,022.3	695.8	326.51	3.131	
11,700.0	4,762.6	4,749.6	4,749.6	214.4	116.4	-93.95	-1,404.8	-4,363.9	924.6	594.7	329.88	2.803	
11,800.0	4,761.0	4,748.0	4,748.0	217.7	116.3	-93.51	-1,404.8	-4,363.9	827.4	494.2	333.24	2.483	
11,900.0	4,759.4	4,746.4	4,746.4	220.9	116.3	-93.08	-1,404.8	-4,363.9	731.1	394.5	336.60	2.172	
12,000.0	4,757.8	4,744.8	4,744.8	224.1	116.2	-92.64	-1,404.8	-4,363.9	635.8	295.8	339.94	1.870	
12,100.0	4,756.3	4,743.3	4,743.3	227.4	116.2	-92.20	-1,404.8	-4,363.9	542.2	198.9	343.28	1.580	
12,200.0	4,754.7	4,741.7	4,741.7	230.7	116.2	-91.76	-1,404.8	-4,363.9	451.4	104.8	346.60	1.302	Level 3
12,300.0	4,753.1	4,740.1	4,740.1	233.9	116.1	-91.32	-1,404.8	-4,363.9	365.5	15.5	349.91	1.044	Level 2
12,400.0	4,751.5	4,738.5	4,738.5	237.2	116.1	-90.88	-1,404.8	-4,363.9	288.7	-64.6	353.20	0.817	Level 1
12,494.0	4,750.0	4,737.0	4,737.0	240.3	116.1	-90.47	-1,404.8	-4,363.9	233.1	-123.2	356.29	0.654	Level 1, CC, ES, SF

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design offset wells - Lavington-Atkinson Trindel 2 DA - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 5000-UNKNOWN

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,900.0	4,791.2	4,778.2	4,778.2	157.7	117.1	93.31	-665.3	-3,591.9	1,995.2	1,720.9	274.31	7.274	
10,000.0	4,789.6	4,776.6	4,776.6	160.7	117.0	93.14	-665.3	-3,591.9	1,899.0	1,621.6	277.37	6.846	
10,100.0	4,788.0	4,775.0	4,775.0	163.8	117.0	92.97	-665.3	-3,591.9	1,803.2	1,522.7	280.43	6.430	
10,200.0	4,786.4	4,773.4	4,773.4	166.9	116.9	92.80	-665.3	-3,591.9	1,707.8	1,424.3	283.51	6.024	
10,300.0	4,784.8	4,771.8	4,771.8	170.0	116.9	92.62	-665.3	-3,591.9	1,613.0	1,326.4	286.60	5.628	
10,400.0	4,783.2	4,770.2	4,770.2	173.1	116.9	92.45	-665.3	-3,591.9	1,518.9	1,229.1	289.70	5.243	
10,500.0	4,781.6	4,768.6	4,768.6	176.2	116.8	92.28	-665.3	-3,591.9	1,425.5	1,132.7	292.82	4.868	
10,600.0	4,780.1	4,767.1	4,767.1	179.3	116.8	92.11	-665.3	-3,591.9	1,333.1	1,037.2	295.94	4.505	
10,700.0	4,778.5	4,765.5	4,765.5	182.5	116.8	91.94	-665.3	-3,591.9	1,241.9	942.9	299.07	4.153	
10,800.0	4,776.9	4,763.9	4,763.9	185.6	116.7	91.76	-665.3	-3,591.9	1,152.2	850.0	302.21	3.813	
10,900.0	4,775.3	4,762.3	4,762.3	188.8	116.7	91.59	-665.3	-3,591.9	1,064.3	758.9	305.36	3.485	
11,000.0	4,773.7	4,760.7	4,760.7	192.0	116.6	91.42	-665.3	-3,591.9	978.7	670.2	308.51	3.172	
11,100.0	4,772.1	4,759.1	4,759.1	195.1	116.6	91.25	-665.3	-3,591.9	896.1	584.4	311.67	2.875	
11,200.0	4,770.5	4,757.5	4,757.5	198.3	116.6	91.08	-665.3	-3,591.9	817.4	502.6	314.84	2.596	
11,300.0	4,768.9	4,755.9	4,755.9	201.5	116.5	90.90	-665.3	-3,591.9	743.8	425.8	318.02	2.339	
11,400.0	4,767.4	4,754.4	4,754.4	204.7	116.5	90.73	-665.3	-3,591.9	677.1	355.9	321.20	2.108	
11,500.0	4,765.8	4,752.8	4,752.8	208.0	116.4	90.56	-665.3	-3,591.9	619.3	294.9	324.38	1.909	
11,600.0	4,764.2	4,751.2	4,751.2	211.2	116.4	90.39	-665.3	-3,591.9	573.3	245.7	327.57	1.750	
11,700.0	4,762.6	4,749.6	4,749.6	214.4	116.4	90.21	-665.3	-3,591.9	542.0	211.3	330.76	1.639	
11,800.0	4,761.0	4,748.0	4,748.0	217.7	116.3	90.04	-665.3	-3,591.9	528.1	194.2	333.96	1.581	
11,824.5	4,760.6	4,747.6	4,747.6	218.4	116.3	90.00	-665.3	-3,591.9	527.6	192.8	334.74	1.576	CC, ES, SF
11,900.0	4,759.4	4,746.4	4,746.4	220.9	116.3	89.87	-665.3	-3,591.9	532.9	195.8	337.16	1.581	
12,000.0	4,757.8	4,744.8	4,744.8	224.1	116.2	89.70	-665.3	-3,591.9	556.0	215.6	340.36	1.634	
12,100.0	4,756.3	4,743.3	4,743.3	227.4	116.2	89.53	-665.3	-3,591.9	595.2	251.6	343.56	1.732	
12,200.0	4,754.7	4,741.7	4,741.7	230.7	116.2	89.35	-665.3	-3,591.9	647.5	300.8	346.77	1.867	
12,300.0	4,753.1	4,740.1	4,740.1	233.9	116.1	89.18	-665.3	-3,591.9	710.2	360.2	349.98	2.029	
12,400.0	4,751.5	4,738.5	4,738.5	237.2	116.1	89.01	-665.3	-3,591.9	780.7	427.5	353.19	2.210	
12,494.0	4,750.0	4,737.0	4,737.0	240.3	116.1	88.85	-665.3	-3,591.9	852.3	496.1	356.21	2.393	

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design offset wells - Saulcy #1 PR - Wellbore #1 - Wellbore #1 — **Offset Site Error:** 0.0 ft

Survey Program: 100-NS-GYRO-MS — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	143.20	-1,318.8	986.7	1,647.1				
100.0	100.0	98.4	98.4	0.1	0.2	143.21	-1,318.7	986.2	1,646.8	1,646.5	0.30	5,530.081	
200.0	200.0	195.8	195.8	0.4	0.5	143.23	-1,318.7	985.3	1,646.2	1,645.3	0.89	1,856.415	
300.0	300.0	296.8	296.8	0.7	0.8	34.10	-1,318.7	984.3	1,643.4	1,641.9	1.49	1,100.615	
400.0	399.6	397.0	397.0	1.0	1.1	34.40	-1,318.8	983.2	1,636.3	1,634.2	2.11	774.528	
500.0	498.8	497.3	497.3	1.3	1.5	34.90	-1,318.8	982.0	1,624.9	1,622.1	2.76	588.952	
600.0	597.1	596.6	596.6	1.8	1.8	35.59	-1,319.0	980.6	1,609.2	1,605.7	3.44	468.286	
700.0	694.3	698.1	698.1	2.3	2.1	36.51	-1,319.0	978.9	1,589.2	1,585.1	4.17	381.217	
800.0	790.2	794.6	794.6	3.0	2.4	37.63	-1,319.0	977.1	1,565.1	1,560.2	4.95	316.181	
900.0	884.4	887.7	887.6	3.8	2.7	38.97	-1,319.1	975.2	1,537.3	1,531.5	5.80	264.868	
1,000.0	976.8	974.8	974.7	4.8	3.0	40.52	-1,319.4	973.2	1,506.1	1,499.3	6.74	223.399	
1,100.0	1,067.1	1,062.7	1,062.6	5.9	3.3	42.34	-1,320.0	971.3	1,471.8	1,464.0	7.81	188.457	
1,200.0	1,154.9	1,149.5	1,149.3	7.1	3.6	44.46	-1,320.6	969.4	1,434.5	1,425.5	9.03	158.852	
1,300.0	1,240.2	1,232.8	1,232.6	8.5	3.8	46.84	-1,321.2	967.4	1,394.7	1,384.3	10.42	133.796	
1,400.0	1,322.6	1,312.9	1,312.7	10.0	4.1	49.51	-1,322.0	965.6	1,352.7	1,340.7	12.02	112.572	
1,500.0	1,401.9	1,392.5	1,392.2	11.7	4.3	52.53	-1,322.7	963.7	1,309.0	1,295.2	13.85	94.523	
1,600.0	1,478.5	1,466.5	1,466.3	13.6	4.6	55.02	-1,323.4	961.9	1,264.6	1,248.7	15.83	79.904	
1,700.0	1,554.9	1,541.9	1,541.6	15.4	4.8	57.17	-1,324.2	960.0	1,221.9	1,204.0	17.88	68.343	
1,800.0	1,631.2	1,618.3	1,618.0	17.3	5.1	59.46	-1,324.9	958.0	1,181.2	1,161.2	20.02	58.994	
1,900.0	1,707.5	1,693.3	1,693.0	19.1	5.3	61.80	-1,325.6	956.0	1,143.0	1,120.7	22.23	51.406	
2,000.0	1,783.9	1,767.8	1,767.4	21.0	5.6	64.23	-1,326.3	953.9	1,107.4	1,082.9	24.51	45.184	
2,100.0	1,860.2	1,842.8	1,842.4	22.9	5.8	66.79	-1,327.0	951.7	1,074.7	1,047.9	26.84	40.038	
2,200.0	1,936.5	1,917.6	1,917.2	24.7	6.0	69.43	-1,327.7	949.4	1,045.2	1,016.0	29.22	35.770	
2,300.0	2,012.8	1,990.8	1,990.3	26.6	6.3	72.11	-1,328.5	947.0	1,019.3	987.7	31.61	32.243	
2,400.0	2,089.2	2,065.2	2,064.7	28.5	6.5	74.90	-1,329.3	944.6	997.3	963.2	34.03	29.305	
2,500.0	2,165.5	2,139.9	2,139.3	30.4	6.8	77.78	-1,330.2	942.2	979.2	942.8	36.44	26.871	
2,600.0	2,241.8	2,214.9	2,214.3	32.3	7.0	80.71	-1,331.0	939.9	965.5	926.6	38.83	24.864	
2,700.0	2,318.2	2,290.5	2,289.9	34.2	7.3	83.69	-1,331.9	937.9	956.1	914.9	41.18	23.219	
2,800.0	2,394.5	2,365.7	2,365.0	36.0	7.5	86.69	-1,332.7	935.9	951.2	907.7	43.46	21.888	
2,856.7	2,437.8	2,408.1	2,407.4	37.1	7.6	88.38	-1,333.1	934.8	950.4	905.7	44.71	21.256	
2,900.0	2,470.8	2,440.0	2,439.2	37.9	7.7	89.65	-1,333.4	933.9	950.9	905.2	45.65	20.829	
3,000.0	2,547.2	2,513.6	2,512.8	39.8	8.0	92.59	-1,334.2	931.7	955.3	907.5	47.75	20.005	
3,100.0	2,623.5	2,587.9	2,587.1	41.7	8.2	95.54	-1,335.1	929.6	964.3	914.5	49.75	19.384	
3,200.0	2,699.8	2,662.2	2,661.4	43.6	8.5	98.44	-1,336.1	927.4	977.8	926.2	51.62	18.941	
3,300.0	2,776.1	2,736.6	2,735.7	45.5	8.7	101.29	-1,337.1	925.4	995.6	942.2	53.38	18.652	
3,400.0	2,852.5	2,810.8	2,810.0	47.4	8.9	104.06	-1,338.2	923.4	1,017.4	962.4	55.00	18.497	
3,500.0	2,928.8	2,884.4	2,883.5	49.3	9.2	106.73	-1,339.4	921.4	1,043.1	986.5	56.51	18.458	
3,600.0	3,005.1	2,958.5	2,957.5	51.1	9.4	109.34	-1,340.7	919.4	1,072.3	1,014.4	57.89	18.522	
3,700.0	3,081.5	3,033.0	3,032.0	53.0	9.6	111.87	-1,342.1	917.3	1,104.7	1,045.6	59.15	18.675	
3,800.0	3,157.8	3,108.0	3,107.0	54.9	9.9	114.31	-1,343.5	915.2	1,140.1	1,079.8	60.30	18.906	
3,900.0	3,234.1	3,183.2	3,182.1	56.8	10.1	116.67	-1,344.8	913.1	1,178.1	1,116.8	61.35	19.205	
4,000.0	3,310.5	3,257.2	3,256.1	58.7	10.4	118.88	-1,346.2	911.0	1,218.6	1,156.3	62.31	19.557	
4,100.0	3,386.8	3,332.0	3,330.8	60.6	10.6	121.02	-1,347.5	908.9	1,261.3	1,198.1	63.18	19.964	
4,200.0	3,463.1	3,408.2	3,406.9	62.5	10.8	123.10	-1,348.9	906.7	1,305.9	1,242.0	63.96	20.418	
4,300.0	3,539.4	3,482.3	3,481.0	64.4	11.1	125.02	-1,350.3	904.6	1,352.3	1,287.6	64.70	20.902	
4,400.0	3,615.8	3,553.6	3,552.3	66.3	11.3	126.79	-1,351.6	902.5	1,400.3	1,334.9	65.41	21.409	
4,500.0	3,692.1	3,626.4	3,625.1	68.2	11.5	128.50	-1,353.0	900.2	1,450.1	1,384.0	66.06	21.952	
4,600.0	3,768.4	3,704.1	3,702.7	70.1	11.8	130.23	-1,354.6	897.8	1,501.0	1,434.4	66.60	22.536	
4,700.0	3,844.8	3,780.7	3,779.3	71.9	12.0	131.84	-1,356.2	895.6	1,553.0	1,485.9	67.13	23.133	
4,800.0	3,921.1	3,855.2	3,853.7	73.8	12.3	133.33	-1,357.8	893.5	1,606.0	1,538.3	67.66	23.737	
4,900.0	3,998.0	3,927.6	3,926.1	75.7	12.5	133.54	-1,359.4	891.4	1,659.2	1,591.3	67.86	24.451	
5,000.0	4,081.3	4,000.0	3,998.4	77.0	12.7	128.90	-1,361.2	889.1	1,703.2	1,636.2	67.02	25.415	

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design offset wells - Saulcy #1 PR - Wellbore #1 - Wellbore #1 — **Offset Site Error:** 0.0 ft

Survey Program: 100-NS-GYRO-MS — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	4,170.9	4,081.0	4,079.3	77.9	13.0	118.73	-1,363.3	886.2	1,734.4	1,669.1	65.39	26.526	
5,200.0	4,264.8	4,167.2	4,165.4	78.5	13.3	99.51	-1,365.7	882.6	1,752.1	1,689.2	62.84	27.879	
5,300.0	4,360.5	4,260.8	4,258.9	78.8	13.6	71.30	-1,368.7	878.5	1,755.2	1,695.9	59.33	29.583	
5,400.0	4,455.7	4,358.5	4,356.4	78.8	13.9	45.62	-1,371.9	874.1	1,743.5	1,688.6	54.89	31.764	
5,500.0	4,548.1	4,450.8	4,448.5	78.7	14.2	29.34	-1,375.0	870.2	1,716.9	1,667.2	49.67	34.568	
5,600.0	4,635.3	4,539.1	4,536.8	78.5	14.5	19.58	-1,377.7	866.1	1,676.2	1,632.3	43.88	38.200	
5,700.0	4,715.3	4,573.6	4,571.2	78.3	14.6	12.83	-1,378.8	864.5	1,622.8	1,584.7	38.12	42.576	
5,800.0	4,786.0	4,573.6	4,571.2	78.1	14.6	7.48	-1,378.8	864.5	1,560.8	1,527.8	32.95	47.368	
5,900.0	4,845.8	4,573.6	4,571.2	78.1	14.6	2.70	-1,378.8	864.5	1,490.9	1,461.7	29.20	51.056	
6,000.0	4,893.1	4,573.6	4,571.2	78.1	14.6	-2.35	-1,378.8	864.5	1,414.0	1,386.1	27.90	50.682	
6,100.0	4,926.8	4,573.6	4,571.2	78.4	14.6	-8.62	-1,378.8	864.5	1,330.8	1,300.8	29.98	44.384	
6,200.0	4,946.1	4,573.6	4,571.2	78.8	14.6	-17.65	-1,378.8	864.5	1,242.3	1,205.0	37.36	33.257	
6,300.0	4,950.4	4,573.6	4,571.2	79.3	14.6	-32.18	-1,378.8	864.5	1,149.8	1,096.9	52.92	21.727	
6,400.0	4,945.7	4,573.6	4,571.2	79.9	14.6	-34.24	-1,378.8	864.5	1,056.0	1,000.2	55.83	18.915	
6,500.0	4,940.9	4,573.6	4,571.2	80.6	14.6	-34.24	-1,378.8	864.5	963.4	906.8	56.66	17.003	
6,600.0	4,936.1	4,573.6	4,571.2	81.4	14.6	-34.24	-1,378.8	864.5	872.4	814.9	57.57	15.156	
6,700.0	4,931.3	4,573.6	4,571.2	82.4	14.6	-34.24	-1,378.8	864.5	783.7	725.1	58.54	13.387	
6,800.0	4,926.5	4,573.6	4,571.2	83.5	14.6	-34.24	-1,378.8	864.5	697.9	638.4	59.58	11.715	
6,900.0	4,921.7	4,573.6	4,571.2	84.7	14.6	-34.24	-1,378.8	864.5	616.5	555.9	60.67	10.161	
7,000.0	4,916.9	4,573.6	4,571.2	86.1	14.6	-34.24	-1,378.8	864.5	541.4	479.6	61.83	8.756	
7,100.0	4,912.1	4,573.6	4,571.2	87.6	14.6	-34.24	-1,378.8	864.5	475.5	412.4	63.04	7.543	
7,200.0	4,907.3	4,573.6	4,571.2	89.2	14.6	-34.24	-1,378.8	864.5	423.2	358.9	64.30	6.581	
7,300.0	4,902.5	4,573.6	4,571.2	90.9	14.6	-34.24	-1,378.8	864.5	389.9	324.3	65.61	5.944	
7,385.1	4,898.4	4,573.6	4,571.2	92.4	14.6	-34.24	-1,378.8	864.5	380.6	313.8	66.75	5.701	CC, ES
7,400.0	4,897.7	4,573.6	4,571.2	92.7	14.6	-34.24	-1,378.8	864.5	380.8	313.9	66.96	5.688	SF
7,500.0	4,892.9	4,573.6	4,571.2	94.5	14.6	-34.24	-1,378.8	864.5	397.5	329.2	68.35	5.816	
7,600.0	4,888.1	4,573.6	4,571.2	96.5	14.6	-34.24	-1,378.8	864.5	437.1	367.3	69.78	6.264	
7,700.0	4,883.3	4,573.6	4,571.2	98.6	14.6	-34.24	-1,378.8	864.5	494.0	422.7	71.24	6.934	
7,800.0	4,878.5	4,573.6	4,571.2	100.8	14.6	-34.24	-1,378.8	864.5	563.0	490.3	72.74	7.740	
7,900.0	4,873.7	4,573.6	4,571.2	103.0	14.6	-34.24	-1,378.8	864.5	640.3	566.0	74.27	8.621	
8,000.0	4,868.9	4,573.6	4,571.2	105.3	14.6	-34.24	-1,378.8	864.5	723.2	647.3	75.82	9.537	
8,100.0	4,864.1	4,573.6	4,571.2	107.7	14.6	-34.24	-1,378.8	864.5	809.9	732.5	77.41	10.463	
8,200.0	4,859.3	4,573.6	4,571.2	110.1	14.6	-34.24	-1,378.8	864.5	899.4	820.4	79.02	11.383	
8,300.0	4,854.5	4,573.6	4,571.2	112.6	14.6	-34.24	-1,378.8	864.5	990.9	910.3	80.65	12.287	
8,400.0	4,849.7	4,573.6	4,571.2	115.1	14.6	-34.24	-1,378.8	864.5	1,083.9	1,001.6	82.30	13.170	
8,500.0	4,844.9	4,573.6	4,571.2	117.7	14.6	-34.24	-1,378.8	864.5	1,178.1	1,094.1	83.98	14.029	
8,600.0	4,840.1	4,573.6	4,571.2	120.4	14.6	-34.24	-1,378.8	864.5	1,273.1	1,187.5	85.67	14.861	
8,700.0	4,835.3	4,573.6	4,571.2	123.0	14.6	-34.24	-1,378.8	864.5	1,368.9	1,281.5	87.38	15.666	
8,800.0	4,830.5	4,573.6	4,571.2	125.8	14.6	-34.24	-1,378.8	864.5	1,465.2	1,376.1	89.11	16.444	
8,900.0	4,825.7	4,573.6	4,571.2	128.5	14.6	-34.24	-1,378.8	864.5	1,562.0	1,471.2	90.85	17.193	
9,000.0	4,820.9	4,573.6	4,571.2	131.3	14.6	-34.24	-1,378.8	864.5	1,659.2	1,566.6	92.61	17.916	
9,100.0	4,816.1	4,573.6	4,571.2	134.1	14.6	-34.24	-1,378.8	864.5	1,756.6	1,662.3	94.38	18.613	
9,200.0	4,811.3	4,573.6	4,571.2	137.0	14.6	-34.24	-1,378.8	864.5	1,854.4	1,758.2	96.16	19.284	
9,300.0	4,806.5	4,573.6	4,571.2	139.9	14.6	-34.24	-1,378.8	864.5	1,952.4	1,854.4	97.96	19.931	

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design offset wells - Saulcy (William R)#2 PR - Wellbore #1 - Wellbore #1 — **Offset Site Error:** 0.0 ft

Survey Program: 5000-UNKNOWN — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	89.85	2.6	999.5	999.6				
100.0	100.0	87.0	87.0	0.1	2.1	89.85	2.6	999.5	999.5	997.2	2.27	440.430	
200.0	200.0	187.0	187.0	0.4	4.6	89.85	2.6	999.5	999.5	994.5	4.99	200.114	
300.0	300.0	287.0	287.0	0.7	7.0	-19.49	2.6	999.5	997.0	989.3	7.71	129.286	
400.0	399.6	386.6	386.6	1.0	9.5	-19.71	2.6	999.5	989.7	979.2	10.41	95.089	
500.0	498.8	485.8	485.8	1.3	11.9	-20.10	2.6	999.5	977.4	964.3	13.07	74.803	
600.0	597.1	584.1	584.1	1.8	14.3	-20.66	2.6	999.5	960.3	944.6	15.67	61.288	
700.0	694.3	681.3	681.3	2.3	16.7	-21.40	2.6	999.5	938.4	920.2	18.20	51.554	
800.0	790.2	777.2	777.2	3.0	19.0	-22.36	2.6	999.5	911.9	891.2	20.66	44.131	
900.0	884.4	871.4	871.4	3.8	21.4	-23.57	2.6	999.5	880.9	857.8	23.05	38.208	
1,000.0	976.8	963.8	963.8	4.8	23.6	-25.07	2.6	999.5	845.6	820.2	25.39	33.300	
1,100.0	1,067.1	1,054.1	1,054.1	5.9	25.8	-26.91	2.6	999.5	806.2	778.5	27.71	29.095	
1,200.0	1,154.9	1,141.9	1,141.9	7.1	28.0	-29.19	2.6	999.5	762.9	732.9	30.06	25.385	
1,300.0	1,240.2	1,227.2	1,227.2	8.5	30.1	-31.97	2.6	999.5	716.3	683.8	32.52	22.025	
1,400.0	1,322.6	1,309.6	1,309.6	10.0	32.1	-35.40	2.6	999.5	666.6	631.4	35.23	18.923	
1,500.0	1,401.9	1,388.9	1,388.9	11.7	34.0	-39.58	2.6	999.5	614.6	576.3	38.34	16.031	
1,600.0	1,478.5	1,465.5	1,465.5	13.6	35.9	-43.87	2.6	999.5	561.6	519.5	42.13	13.329	
1,700.0	1,554.9	1,541.9	1,541.9	15.4	37.8	-48.27	2.6	999.5	511.0	464.5	46.44	11.003	
1,800.0	1,631.2	1,618.2	1,618.2	17.3	39.6	-53.37	2.6	999.5	463.8	412.7	51.12	9.072	
1,900.0	1,707.5	1,694.5	1,694.5	19.1	41.5	-59.24	2.6	999.5	421.3	365.1	56.14	7.503	
2,000.0	1,783.9	1,770.9	1,770.9	21.0	43.4	-65.93	2.6	999.5	384.9	323.5	61.38	6.272	
2,100.0	1,860.2	1,847.2	1,847.2	22.9	45.3	-73.40	2.6	999.5	356.7	290.1	66.58	5.357	
2,200.0	1,936.5	1,923.5	1,923.5	24.7	47.1	-81.48	2.6	999.5	338.6	267.1	71.45	4.739	
2,300.0	2,012.8	1,999.8	1,999.8	26.6	49.0	-89.92	2.6	999.5	332.2	256.6	75.62	4.394	
2,300.9	2,013.5	2,000.5	2,000.5	26.6	49.0	-90.00	2.6	999.5	332.2	256.6	75.65	4.392	CC, ES
2,400.0	2,089.2	2,076.2	2,076.2	28.5	50.9	-98.37	2.6	999.5	338.3	259.5	78.84	4.291	SF
2,500.0	2,165.5	2,152.5	2,152.5	30.4	52.7	-106.46	2.6	999.5	356.3	275.2	81.08	4.394	
2,600.0	2,241.8	2,228.8	2,228.8	32.3	54.6	-113.94	2.6	999.5	384.3	301.9	82.46	4.661	
2,700.0	2,318.2	2,305.2	2,305.2	34.2	56.5	-120.64	2.6	999.5	420.5	337.3	83.23	5.052	
2,800.0	2,394.5	2,381.5	2,381.5	36.0	58.3	-126.53	2.6	999.5	463.0	379.3	83.65	5.534	
2,900.0	2,470.8	2,457.8	2,457.8	37.9	60.2	-131.65	2.6	999.5	510.1	426.1	83.92	6.078	
3,000.0	2,547.2	2,534.2	2,534.2	39.8	62.1	-136.06	2.6	999.5	560.7	476.5	84.19	6.660	
3,100.0	2,623.5	2,610.5	2,610.5	41.7	64.0	-139.87	2.6	999.5	613.9	529.4	84.53	7.263	
3,200.0	2,699.8	2,686.8	2,686.8	43.6	65.8	-143.16	2.6	999.5	669.2	584.2	84.99	7.874	
3,300.0	2,776.1	2,763.1	2,763.1	45.5	67.7	-146.01	2.6	999.5	725.9	640.4	85.58	8.483	
3,400.0	2,852.5	2,839.5	2,839.5	47.4	69.6	-148.49	2.6	999.5	783.9	697.6	86.31	9.083	
3,500.0	2,928.8	2,915.8	2,915.8	49.3	71.4	-150.67	2.6	999.5	842.9	755.7	87.16	9.670	
3,600.0	3,005.1	2,992.1	2,992.1	51.1	73.3	-152.59	2.6	999.5	902.6	814.5	88.14	10.241	
3,700.0	3,081.5	3,068.5	3,068.5	53.0	75.2	-154.29	2.6	999.5	963.0	873.8	89.22	10.793	
3,800.0	3,157.8	3,144.8	3,144.8	54.9	77.0	-155.80	2.6	999.5	1,023.9	933.5	90.40	11.326	
3,900.0	3,234.1	3,221.1	3,221.1	56.8	78.9	-157.15	2.6	999.5	1,085.2	993.5	91.66	11.839	
4,000.0	3,310.5	3,297.5	3,297.5	58.7	80.8	-158.37	2.6	999.5	1,146.9	1,053.9	93.00	12.332	
4,100.0	3,386.8	3,373.8	3,373.8	60.6	82.7	-159.47	2.6	999.5	1,208.8	1,114.4	94.41	12.805	
4,200.0	3,463.1	3,450.1	3,450.1	62.5	84.5	-160.47	2.6	999.5	1,271.1	1,175.2	95.87	13.258	
4,300.0	3,539.4	3,526.4	3,526.4	64.4	86.4	-161.38	2.6	999.5	1,333.5	1,236.2	97.39	13.693	
4,400.0	3,615.8	3,602.8	3,602.8	66.3	88.3	-162.21	2.6	999.5	1,396.2	1,297.3	98.95	14.110	
4,500.0	3,692.1	3,679.1	3,679.1	68.2	90.1	-162.97	2.6	999.5	1,459.0	1,358.5	100.55	14.510	
4,600.0	3,768.4	3,755.4	3,755.4	70.1	92.0	-163.67	2.6	999.5	1,522.0	1,419.8	102.19	14.894	
4,700.0	3,844.8	3,831.8	3,831.8	71.9	93.9	-164.31	2.6	999.5	1,585.1	1,481.3	103.86	15.261	
4,800.0	3,921.1	3,908.1	3,908.1	73.8	95.7	-164.91	2.6	999.5	1,648.3	1,542.8	105.57	15.614	
4,900.0	3,998.0	3,985.0	3,985.0	75.7	97.6	-168.80	2.6	999.5	1,711.1	1,602.6	108.53	15.767	
5,000.0	4,081.3	4,068.3	4,068.3	77.0	99.7	-179.64	2.6	999.5	1,766.0	1,650.8	115.21	15.329	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design offset wells - Saulcy (William R)#2 PR - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 5000-UNKNOWN

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	4,170.9	4,157.9	4,157.9	77.9	101.9	166.09	2.6	999.5	1,809.9	1,687.7	122.12	14.820	
5,200.0	4,264.8	4,251.8	4,251.8	78.5	104.2	144.42	2.6	999.5	1,841.6	1,713.6	127.96	14.392	
5,300.0	4,360.5	4,347.5	4,347.5	78.8	106.5	115.08	2.6	999.5	1,860.5	1,728.1	132.40	14.052	
5,400.0	4,455.7	4,442.7	4,442.7	78.8	108.8	89.45	2.6	999.5	1,866.6	1,730.8	135.82	13.743	
5,500.0	4,548.1	4,535.1	4,535.1	78.7	111.1	74.43	2.6	999.5	1,860.0	1,720.9	139.04	13.377	
5,600.0	4,635.3	4,622.3	4,622.3	78.5	113.2	67.14	2.6	999.5	1,841.3	1,698.3	142.99	12.878	
5,700.0	4,715.3	4,702.3	4,702.3	78.3	115.2	64.51	2.6	999.5	1,811.6	1,663.2	148.38	12.209	
5,800.0	4,786.0	4,773.0	4,773.0	78.1	116.9	64.96	2.6	999.5	1,772.1	1,616.5	155.68	11.383	
5,900.0	4,845.8	4,832.8	4,832.8	78.1	118.4	67.67	2.6	999.5	1,724.5	1,559.6	164.90	10.457	
6,000.0	4,893.1	4,880.1	4,880.1	78.1	119.6	72.17	2.6	999.5	1,670.4	1,495.1	175.30	9.528	
6,100.0	4,926.8	4,913.8	4,913.8	78.4	120.4	77.99	2.6	999.5	1,611.8	1,426.6	185.19	8.704	
6,200.0	4,946.1	4,933.1	4,933.1	78.8	120.9	84.61	2.6	999.5	1,550.6	1,358.1	192.47	8.056	
6,300.0	4,950.4	4,937.4	4,937.4	79.3	121.0	91.43	2.6	999.5	1,488.7	1,292.9	195.80	7.603	
6,400.0	4,945.7	4,932.7	4,932.7	79.9	120.9	91.94	2.6	999.5	1,428.8	1,232.2	196.56	7.269	
6,500.0	4,940.9	4,927.9	4,927.9	80.6	120.7	91.71	2.6	999.5	1,373.5	1,176.1	197.41	6.958	
6,600.0	4,936.1	4,923.1	4,923.1	81.4	120.6	91.47	2.6	999.5	1,323.5	1,125.1	198.39	6.671	
6,700.0	4,931.3	4,918.3	4,918.3	82.4	120.5	91.24	2.6	999.5	1,279.3	1,079.8	199.50	6.413	
6,800.0	4,926.5	4,913.5	4,913.5	83.5	120.4	91.00	2.6	999.5	1,241.6	1,040.9	200.74	6.185	
6,900.0	4,921.7	4,908.7	4,908.7	84.7	120.3	90.77	2.6	999.5	1,211.1	1,009.0	202.09	5.993	
7,000.0	4,916.9	4,903.9	4,903.9	86.1	120.1	90.53	2.6	999.5	1,188.1	984.5	203.56	5.837	
7,100.0	4,912.1	4,899.1	4,899.1	87.6	120.0	90.30	2.6	999.5	1,173.2	968.1	205.14	5.719	
7,200.0	4,907.3	4,894.3	4,894.3	89.2	119.9	90.06	2.6	999.5	1,166.7	959.9	206.81	5.642	
7,226.1	4,906.1	4,893.1	4,893.1	89.6	119.9	90.00	2.6	999.5	1,166.4	959.2	207.27	5.628	
7,300.0	4,902.5	4,889.5	4,889.5	90.9	119.8	89.83	2.6	999.5	1,168.8	960.2	208.57	5.604	
7,400.0	4,897.7	4,884.7	4,884.7	92.7	119.7	89.59	2.6	999.5	1,179.3	968.9	210.43	5.604	
7,500.0	4,892.9	4,879.9	4,879.9	94.5	119.6	89.35	2.6	999.5	1,198.1	985.7	212.36	5.642	
7,600.0	4,888.1	4,875.1	4,875.1	96.5	119.4	89.12	2.6	999.5	1,224.8	1,010.4	214.37	5.713	
7,700.0	4,883.3	4,870.3	4,870.3	98.6	119.3	88.88	2.6	999.5	1,258.8	1,042.4	216.45	5.816	
7,800.0	4,878.5	4,865.5	4,865.5	100.8	119.2	88.65	2.6	999.5	1,299.7	1,081.1	218.59	5.946	
7,900.0	4,873.7	4,860.7	4,860.7	103.0	119.1	88.41	2.6	999.5	1,346.7	1,125.9	220.80	6.099	
8,000.0	4,868.9	4,855.9	4,855.9	105.3	119.0	88.18	2.6	999.5	1,399.4	1,176.3	223.06	6.273	
8,100.0	4,864.1	4,851.1	4,851.1	107.7	118.9	87.94	2.6	999.5	1,456.9	1,231.5	225.37	6.464	
8,200.0	4,859.3	4,846.3	4,846.3	110.1	118.7	87.71	2.6	999.5	1,518.9	1,291.1	227.73	6.669	
8,300.0	4,854.5	4,841.5	4,841.5	112.6	118.6	87.47	2.6	999.5	1,584.7	1,354.6	230.14	6.886	
8,400.0	4,849.7	4,836.7	4,836.7	115.1	118.5	87.24	2.6	999.5	1,653.9	1,421.4	232.59	7.111	
8,500.0	4,844.9	4,831.9	4,831.9	117.7	118.4	87.00	2.6	999.5	1,726.2	1,491.1	235.07	7.343	
8,600.0	4,840.1	4,827.1	4,827.1	120.4	118.3	86.77	2.6	999.5	1,801.1	1,563.5	237.59	7.581	
8,700.0	4,835.3	4,822.3	4,822.3	123.0	118.1	86.53	2.6	999.5	1,878.3	1,638.2	240.14	7.822	
8,800.0	4,830.5	4,817.5	4,817.5	125.8	118.0	86.30	2.6	999.5	1,957.6	1,714.9	242.72	8.065	

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design offset wells - Saulcy 3 PA - Wellbore #1 - Wellbore #1 — **Offset Site Error:** 0.0 ft

Survey Program: 5000-UNKNOWN — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
1,900.0	1,707.5	1,694.5	1,694.5	19.1	41.5	13.90	-1,195.2	2,327.4	1,941.4	1,900.6	40.86	47.515	
2,000.0	1,783.9	1,770.9	1,770.9	21.0	43.4	14.37	-1,195.2	2,327.4	1,878.0	1,834.8	43.15	43.520	
2,100.0	1,860.2	1,847.2	1,847.2	22.9	45.3	14.87	-1,195.2	2,327.4	1,814.6	1,769.2	45.48	39.897	
2,200.0	1,936.5	1,923.5	1,923.5	24.7	47.1	15.40	-1,195.2	2,327.4	1,751.4	1,703.5	47.85	36.598	
2,300.0	2,012.8	1,999.8	1,999.8	26.6	49.0	15.97	-1,195.2	2,327.4	1,688.2	1,637.9	50.27	33.583	
2,400.0	2,089.2	2,076.2	2,076.2	28.5	50.9	16.59	-1,195.2	2,327.4	1,625.1	1,572.4	52.74	30.816	
2,500.0	2,165.5	2,152.5	2,152.5	30.4	52.7	17.25	-1,195.2	2,327.4	1,562.2	1,507.0	55.26	28.270	
2,600.0	2,241.8	2,228.8	2,228.8	32.3	54.6	17.97	-1,195.2	2,327.4	1,499.4	1,441.6	57.85	25.920	
2,700.0	2,318.2	2,305.2	2,305.2	34.2	56.5	18.75	-1,195.2	2,327.4	1,436.8	1,376.3	60.51	23.744	
2,800.0	2,394.5	2,381.5	2,381.5	36.0	58.3	19.59	-1,195.2	2,327.4	1,374.4	1,311.1	63.26	21.726	
2,900.0	2,470.8	2,457.8	2,457.8	37.9	60.2	20.52	-1,195.2	2,327.4	1,312.1	1,246.0	66.11	19.849	
3,000.0	2,547.2	2,534.2	2,534.2	39.8	62.1	21.52	-1,195.2	2,327.4	1,250.1	1,181.1	69.07	18.100	
3,100.0	2,623.5	2,610.5	2,610.5	41.7	64.0	22.63	-1,195.2	2,327.4	1,188.4	1,116.2	72.16	16.469	
3,200.0	2,699.8	2,686.8	2,686.8	43.6	65.8	23.85	-1,195.2	2,327.4	1,127.0	1,051.6	75.41	14.945	
3,300.0	2,776.1	2,763.1	2,763.1	45.5	67.7	25.20	-1,195.2	2,327.4	1,066.0	987.2	78.84	13.521	
3,400.0	2,852.5	2,839.5	2,839.5	47.4	69.6	26.70	-1,195.2	2,327.4	1,005.4	923.0	82.48	12.189	
3,500.0	2,928.8	2,915.8	2,915.8	49.3	71.4	28.37	-1,195.2	2,327.4	945.4	859.0	86.38	10.945	
3,600.0	3,005.1	2,992.1	2,992.1	51.1	73.3	30.25	-1,195.2	2,327.4	886.0	795.5	90.56	9.784	
3,700.0	3,081.5	3,068.5	3,068.5	53.0	75.2	32.37	-1,195.2	2,327.4	827.4	732.3	95.09	8.702	
3,800.0	3,157.8	3,144.8	3,144.8	54.9	77.0	34.76	-1,195.2	2,327.4	769.8	669.8	100.01	7.697	
3,900.0	3,234.1	3,221.1	3,221.1	56.8	78.9	37.48	-1,195.2	2,327.4	713.3	608.0	105.38	6.769	
4,000.0	3,310.5	3,297.5	3,297.5	58.7	80.8	40.59	-1,195.2	2,327.4	658.4	547.1	111.27	5.917	
4,100.0	3,386.8	3,373.8	3,373.8	60.6	82.7	44.14	-1,195.2	2,327.4	605.4	487.6	117.72	5.142	
4,200.0	3,463.1	3,450.1	3,450.1	62.5	84.5	48.22	-1,195.2	2,327.4	554.8	430.0	124.75	4.447	
4,300.0	3,539.4	3,526.4	3,526.4	64.4	86.4	52.89	-1,195.2	2,327.4	507.4	375.1	132.33	3.834	
4,400.0	3,615.8	3,602.8	3,602.8	66.3	88.3	58.21	-1,195.2	2,327.4	464.2	323.9	140.33	3.308	
4,500.0	3,692.1	3,679.1	3,679.1	68.2	90.1	64.22	-1,195.2	2,327.4	426.4	277.9	148.50	2.871	
4,600.0	3,768.4	3,755.4	3,755.4	70.1	92.0	70.91	-1,195.2	2,327.4	395.7	239.2	156.43	2.529	
4,700.0	3,844.8	3,831.8	3,831.8	71.9	93.9	78.18	-1,195.2	2,327.4	373.7	210.1	163.54	2.285	
4,800.0	3,921.1	3,908.1	3,908.1	73.8	95.7	85.86	-1,195.2	2,327.4	362.0	192.7	169.27	2.138	
4,859.1	3,966.8	3,953.8	3,953.8	74.9	96.9	89.39	-1,195.2	2,327.4	359.9	188.2	171.78	2.095	
4,900.0	3,998.0	3,985.0	3,985.0	75.7	97.6	91.94	-1,195.2	2,327.4	361.2	188.0	173.15	2.086	
5,000.0	4,081.3	4,068.3	4,068.3	77.0	99.7	92.34	-1,195.2	2,327.4	364.1	189.0	175.02	2.080	
5,100.0	4,170.9	4,157.9	4,157.9	77.9	101.9	86.61	-1,195.2	2,327.4	364.3	189.0	175.25	2.079	
5,200.0	4,264.8	4,251.8	4,251.8	78.5	104.2	70.77	-1,195.2	2,327.4	358.0	184.1	173.90	2.059	
5,300.0	4,360.5	4,347.5	4,347.5	78.8	106.5	44.63	-1,195.2	2,327.4	342.5	171.6	170.85	2.005	
5,400.0	4,455.7	4,442.7	4,442.7	78.8	108.8	19.58	-1,195.2	2,327.4	316.2	150.1	166.12	1.903	
5,500.0	4,548.1	4,535.1	4,535.1	78.7	111.1	2.14	-1,195.2	2,327.4	278.6	118.4	160.25	1.739	
5,600.0	4,635.3	4,622.3	4,622.3	78.5	113.2	-11.65	-1,195.2	2,327.4	230.1	75.0	155.14	1.483	Level 3
5,700.0	4,715.3	4,702.3	4,702.3	78.3	115.2	-27.76	-1,195.2	2,327.4	172.5	16.1	156.44	1.103	Level 2
5,800.0	4,786.0	4,773.0	4,773.0	78.1	116.9	-53.93	-1,195.2	2,327.4	112.2	-62.0	174.18	0.644	Level 1
5,897.8	4,844.6	4,831.6	4,831.6	78.1	118.4	-90.00	-1,195.2	2,327.4	78.0	-106.8	184.83	0.422	Level 1, CC, ES, SF
5,900.0	4,845.8	4,832.8	4,832.8	78.1	118.4	-90.78	-1,195.2	2,327.4	78.1	-106.5	184.59	0.423	Level 1
6,000.0	4,893.1	4,880.1	4,880.1	78.1	119.6	-117.01	-1,195.2	2,327.4	120.8	-41.9	162.72	0.742	Level 1
6,100.0	4,926.8	4,913.8	4,913.8	78.4	120.4	-126.83	-1,195.2	2,327.4	203.9	54.7	149.19	1.366	Level 3
6,200.0	4,946.1	4,933.1	4,933.1	78.8	120.9	-121.36	-1,195.2	2,327.4	298.5	135.0	163.52	1.826	
6,300.0	4,950.4	4,937.4	4,937.4	79.3	121.0	-73.22	-1,195.2	2,327.4	397.3	209.1	188.16	2.111	
6,400.0	4,945.7	4,932.7	4,932.7	79.9	120.9	-59.10	-1,195.2	2,327.4	496.8	326.4	170.33	2.916	
6,500.0	4,940.9	4,927.9	4,927.9	80.6	120.7	-54.27	-1,195.2	2,327.4	596.4	433.9	162.50	3.670	
6,600.0	4,936.1	4,923.1	4,923.1	81.4	120.6	-49.97	-1,195.2	2,327.4	696.1	541.3	154.79	4.497	
6,700.0	4,931.3	4,918.3	4,918.3	82.4	120.5	-46.14	-1,195.2	2,327.4	795.8	648.4	147.45	5.397	
6,800.0	4,926.5	4,913.5	4,913.5	83.5	120.4	-42.76	-1,195.2	2,327.4	895.6	755.0	140.61	6.369	

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design offset wells - Saulcy 3 PA - Wellbore #1 - Wellbore #1 — **Offset Site Error:** 0.0 ft

Survey Program: 5000-UNKNOWN — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
6,900.0	4,921.7	4,908.7	4,908.7	84.7	120.3	-39.75	-1,195.2	2,327.4	995.4	861.0	134.34	7.409	
7,000.0	4,916.9	4,903.9	4,903.9	86.1	120.1	-37.08	-1,195.2	2,327.4	1,095.2	966.5	128.66	8.512	
7,100.0	4,912.1	4,899.1	4,899.1	87.6	120.0	-34.71	-1,195.2	2,327.4	1,195.0	1,071.5	123.55	9.673	
7,200.0	4,907.3	4,894.3	4,894.3	89.2	119.9	-32.58	-1,195.2	2,327.4	1,294.9	1,175.9	118.97	10.884	
7,300.0	4,902.5	4,889.5	4,889.5	90.9	119.8	-30.68	-1,195.2	2,327.4	1,394.7	1,279.8	114.89	12.140	
7,400.0	4,897.7	4,884.7	4,884.7	92.7	119.7	-28.97	-1,195.2	2,327.4	1,494.5	1,383.3	111.25	13.434	
7,500.0	4,892.9	4,879.9	4,879.9	94.5	119.6	-27.43	-1,195.2	2,327.4	1,594.4	1,486.4	108.02	14.760	
7,600.0	4,888.1	4,875.1	4,875.1	96.5	119.4	-26.03	-1,195.2	2,327.4	1,694.3	1,589.1	105.15	16.112	
7,700.0	4,883.3	4,870.3	4,870.3	98.6	119.3	-24.76	-1,195.2	2,327.4	1,794.1	1,691.5	102.61	17.485	
7,800.0	4,878.5	4,865.5	4,865.5	100.8	119.2	-23.60	-1,195.2	2,327.4	1,894.0	1,793.6	100.36	18.872	
7,900.0	4,873.7	4,860.7	4,860.7	103.0	119.1	-22.54	-1,195.2	2,327.4	1,993.8	1,895.5	98.36	20.270	

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design offset wells - Trindle 1 PR - Wellbore #1 - Wellbore #1 — **Offset Site Error:** 0.0 ft

Survey Program: 100-NS-GYRO-MS — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,600.0	4,780.1	4,322.0	4,321.8	179.3	11.1	-13.39	-1,295.9	-4,244.9	1,935.8	1,860.6	75.19	25.747	
10,700.0	4,778.5	4,322.0	4,321.8	182.5	11.1	-13.39	-1,295.9	-4,244.9	1,838.4	1,762.1	76.31	24.090	
10,800.0	4,776.9	4,322.0	4,321.8	185.6	11.1	-13.39	-1,295.9	-4,244.9	1,741.3	1,663.9	77.44	22.485	
10,900.0	4,775.3	4,322.0	4,321.8	188.8	11.1	-13.39	-1,295.9	-4,244.9	1,644.5	1,566.0	78.57	20.930	
11,000.0	4,773.7	4,322.0	4,321.8	192.0	11.1	-13.39	-1,295.9	-4,244.9	1,548.2	1,468.5	79.71	19.424	
11,100.0	4,772.1	4,322.0	4,321.8	195.1	11.1	-13.39	-1,295.9	-4,244.9	1,452.3	1,371.5	80.84	17.965	
11,200.0	4,770.5	4,322.0	4,321.8	198.3	11.1	-13.39	-1,295.9	-4,244.9	1,357.1	1,275.1	81.98	16.555	
11,300.0	4,768.9	4,322.0	4,321.8	201.5	11.1	-13.39	-1,295.9	-4,244.9	1,262.5	1,179.4	83.11	15.191	
11,400.0	4,767.4	4,322.0	4,321.8	204.7	11.1	-13.39	-1,295.9	-4,244.9	1,168.9	1,084.7	84.25	13.875	
11,500.0	4,765.8	4,322.0	4,321.8	208.0	11.1	-13.39	-1,295.9	-4,244.9	1,076.5	991.1	85.39	12.607	
11,600.0	4,764.2	4,322.0	4,321.8	211.2	11.1	-13.39	-1,295.9	-4,244.9	985.5	898.9	86.53	11.389	
11,700.0	4,762.6	4,322.0	4,321.8	214.4	11.1	-13.39	-1,295.9	-4,244.9	896.4	808.7	87.67	10.225	
11,800.0	4,761.0	4,322.0	4,321.8	217.7	11.1	-13.39	-1,295.9	-4,244.9	809.9	721.0	88.81	9.119	
11,900.0	4,759.4	4,322.0	4,321.8	220.9	11.1	-13.39	-1,295.9	-4,244.9	726.8	636.8	89.95	8.080	
12,000.0	4,757.8	4,322.0	4,321.8	224.1	11.1	-13.39	-1,295.9	-4,244.9	648.5	557.4	91.10	7.119	
12,100.0	4,756.3	4,322.0	4,321.8	227.4	11.1	-13.39	-1,295.9	-4,244.9	577.0	484.8	92.24	6.256	
12,200.0	4,754.7	4,322.0	4,321.8	230.7	11.1	-13.39	-1,295.9	-4,244.9	515.1	421.7	93.39	5.516	
12,300.0	4,753.1	4,322.0	4,321.8	233.9	11.1	-13.39	-1,295.9	-4,244.9	466.6	372.1	94.53	4.936	
12,400.0	4,751.5	4,322.0	4,321.8	237.2	11.1	-13.39	-1,295.9	-4,244.9	436.0	340.3	95.68	4.557	
12,488.1	4,750.1	4,322.0	4,321.8	240.1	11.1	-13.39	-1,295.9	-4,244.9	427.0	330.3	96.69	4.416	CC
12,494.0	4,750.0	4,322.0	4,321.8	240.3	11.1	-13.39	-1,295.9	-4,244.9	427.0	330.3	96.76	4.413	ES, SF

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design offset wells - Trindle 2 PR - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 4947-UNKNOWN

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,600.0	4,795.9	4,782.9	4,782.9	148.7	117.2	91.16	1.3	-2,894.6	1,932.4	1,666.7	265.65	7.274	
9,700.0	4,794.3	4,781.3	4,781.3	151.7	117.1	91.09	1.3	-2,894.6	1,854.6	1,586.0	268.62	6.904	
9,800.0	4,792.7	4,779.7	4,779.7	154.7	117.1	91.01	1.3	-2,894.6	1,779.1	1,507.5	271.61	6.550	
9,900.0	4,791.2	4,778.2	4,778.2	157.7	117.1	90.93	1.3	-2,894.6	1,706.0	1,431.4	274.62	6.212	
10,000.0	4,789.6	4,776.6	4,776.6	160.7	117.0	90.86	1.3	-2,894.6	1,635.9	1,358.2	277.64	5.892	
10,100.0	4,788.0	4,775.0	4,775.0	163.8	117.0	90.78	1.3	-2,894.6	1,568.9	1,288.3	280.68	5.590	
10,200.0	4,786.4	4,773.4	4,773.4	166.9	116.9	90.71	1.3	-2,894.6	1,505.7	1,221.9	283.73	5.307	
10,300.0	4,784.8	4,771.8	4,771.8	170.0	116.9	90.63	1.3	-2,894.6	1,446.5	1,159.7	286.79	5.044	
10,400.0	4,783.2	4,770.2	4,770.2	173.1	116.9	90.55	1.3	-2,894.6	1,392.1	1,102.2	289.87	4.803	
10,500.0	4,781.6	4,768.6	4,768.6	176.2	116.8	90.48	1.3	-2,894.6	1,342.9	1,049.9	292.96	4.584	
10,600.0	4,780.1	4,767.1	4,767.1	179.3	116.8	90.40	1.3	-2,894.6	1,299.5	1,003.5	296.06	4.390	
10,700.0	4,778.5	4,765.5	4,765.5	182.5	116.8	90.32	1.3	-2,894.6	1,262.6	963.5	299.17	4.221	
10,800.0	4,776.9	4,763.9	4,763.9	185.6	116.7	90.25	1.3	-2,894.6	1,232.8	930.5	302.29	4.078	
10,900.0	4,775.3	4,762.3	4,762.3	188.8	116.7	90.17	1.3	-2,894.6	1,210.4	905.0	305.41	3.963	
11,000.0	4,773.7	4,760.7	4,760.7	192.0	116.6	90.09	1.3	-2,894.6	1,196.1	887.5	308.55	3.876	
11,100.0	4,772.1	4,759.1	4,759.1	195.1	116.6	90.02	1.3	-2,894.6	1,190.0	878.3	311.70	3.818	
11,122.9	4,771.8	4,758.8	4,758.8	195.9	116.6	90.00	1.3	-2,894.6	1,189.7	877.3	312.42	3.808	CC, ES
11,200.0	4,770.5	4,757.5	4,757.5	198.3	116.6	89.94	1.3	-2,894.6	1,192.2	877.4	314.85	3.787	
11,300.0	4,768.9	4,755.9	4,755.9	201.5	116.5	89.86	1.3	-2,894.6	1,202.8	884.8	318.01	3.782	SF
11,400.0	4,767.4	4,754.4	4,754.4	204.7	116.5	89.79	1.3	-2,894.6	1,221.6	900.4	321.18	3.803	
11,500.0	4,765.8	4,752.8	4,752.8	208.0	116.4	89.71	1.3	-2,894.6	1,248.1	923.7	324.36	3.848	
11,600.0	4,764.2	4,751.2	4,751.2	211.2	116.4	89.64	1.3	-2,894.6	1,281.8	954.3	327.54	3.913	
11,700.0	4,762.6	4,749.6	4,749.6	214.4	116.4	89.56	1.3	-2,894.6	1,322.3	991.6	330.73	3.998	
11,800.0	4,761.0	4,748.0	4,748.0	217.7	116.3	89.48	1.3	-2,894.6	1,368.9	1,034.9	333.92	4.099	
11,900.0	4,759.4	4,746.4	4,746.4	220.9	116.3	89.41	1.3	-2,894.6	1,421.0	1,083.9	337.12	4.215	
12,000.0	4,757.8	4,744.8	4,744.8	224.1	116.2	89.33	1.3	-2,894.6	1,478.0	1,137.7	340.33	4.343	
12,100.0	4,756.3	4,743.3	4,743.3	227.4	116.2	89.25	1.3	-2,894.6	1,539.5	1,195.9	343.54	4.481	
12,200.0	4,754.7	4,741.7	4,741.7	230.7	116.2	89.18	1.3	-2,894.6	1,604.8	1,258.0	346.75	4.628	
12,300.0	4,753.1	4,740.1	4,740.1	233.9	116.1	89.10	1.3	-2,894.6	1,673.5	1,323.6	349.97	4.782	
12,400.0	4,751.5	4,738.5	4,738.5	237.2	116.1	89.02	1.3	-2,894.6	1,745.3	1,392.1	353.19	4.941	
12,494.0	4,750.0	4,737.0	4,737.0	240.3	116.1	88.95	1.3	-2,894.6	1,815.2	1,458.9	356.23	5.096	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design offset wells - Trindle 3 PR - Wellbore #1 - Wellbore #1 — **Offset Site Error:** 0.0 ft

Survey Program: 100-NS-GYRO-MS — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,300.0	4,806.5	4,565.1	4,564.0	139.9	14.5	-51.49	-1,360.3	-3,003.3	1,960.8	1,834.8	125.95	15.568	
9,400.0	4,801.7	4,565.1	4,564.0	142.8	14.5	-51.49	-1,360.3	-3,003.3	1,861.5	1,733.1	128.31	14.507	
9,500.0	4,797.6	4,565.1	4,564.0	145.7	14.5	-44.21	-1,360.3	-3,003.3	1,762.3	1,643.0	119.23	14.780	
9,600.0	4,795.9	4,565.1	4,564.0	148.7	14.5	-41.58	-1,360.3	-3,003.3	1,663.4	1,546.5	116.84	14.237	
9,700.0	4,794.3	4,565.1	4,564.0	151.7	14.5	-41.58	-1,360.3	-3,003.3	1,564.7	1,445.7	118.93	13.156	
9,800.0	4,792.7	4,565.1	4,564.0	154.7	14.5	-41.58	-1,360.3	-3,003.3	1,466.1	1,345.1	121.04	12.112	
9,900.0	4,791.2	4,565.1	4,564.0	157.7	14.5	-41.58	-1,360.3	-3,003.3	1,367.8	1,244.6	123.16	11.106	
10,000.0	4,789.6	4,565.1	4,564.0	160.7	14.5	-41.58	-1,360.3	-3,003.3	1,269.7	1,144.4	125.29	10.134	
10,100.0	4,788.0	4,565.1	4,564.0	163.8	14.5	-41.58	-1,360.3	-3,003.3	1,172.0	1,044.6	127.43	9.197	
10,200.0	4,786.4	4,565.1	4,564.0	166.9	14.5	-41.58	-1,360.3	-3,003.3	1,074.7	945.1	129.58	8.294	
10,300.0	4,784.8	4,565.1	4,564.0	170.0	14.5	-41.58	-1,360.3	-3,003.3	977.9	846.2	131.73	7.423	
10,400.0	4,783.2	4,565.1	4,564.0	173.1	14.5	-41.58	-1,360.3	-3,003.3	881.8	747.9	133.90	6.586	
10,500.0	4,781.6	4,565.1	4,564.0	176.2	14.5	-41.58	-1,360.3	-3,003.3	786.7	650.7	136.07	5.782	
10,600.0	4,780.1	4,565.1	4,564.0	179.3	14.5	-41.58	-1,360.3	-3,003.3	693.0	554.8	138.25	5.013	
10,700.0	4,778.5	4,565.1	4,564.0	182.5	14.5	-41.58	-1,360.3	-3,003.3	601.4	460.9	140.43	4.282	
10,800.0	4,776.9	4,565.1	4,564.0	185.6	14.5	-41.58	-1,360.3	-3,003.3	512.8	370.2	142.62	3.596	
10,900.0	4,775.3	4,565.1	4,564.0	188.8	14.5	-41.58	-1,360.3	-3,003.3	429.3	284.5	144.82	2.965	
11,000.0	4,773.7	4,565.1	4,564.0	192.0	14.5	-41.58	-1,360.3	-3,003.3	354.5	207.5	147.03	2.411	
11,100.0	4,772.1	4,565.1	4,564.0	195.1	14.5	-41.58	-1,360.3	-3,003.3	295.0	145.8	149.24	1.977	
11,200.0	4,770.5	4,565.1	4,564.0	198.3	14.5	-41.58	-1,360.3	-3,003.3	261.5	110.0	151.45	1.727	
11,243.3	4,769.8	4,565.1	4,564.0	199.7	14.5	-41.58	-1,360.3	-3,003.3	257.9	105.5	152.41	1.692	CC, ES, SF
11,300.0	4,768.9	4,565.1	4,564.0	201.5	14.5	-41.58	-1,360.3	-3,003.3	264.1	110.4	153.67	1.718	
11,400.0	4,767.4	4,565.1	4,564.0	204.7	14.5	-41.58	-1,360.3	-3,003.3	301.8	145.9	155.90	1.936	
11,500.0	4,765.8	4,565.1	4,564.0	208.0	14.5	-41.58	-1,360.3	-3,003.3	363.9	205.8	158.12	2.301	
11,600.0	4,764.2	4,565.1	4,564.0	211.2	14.5	-41.58	-1,360.3	-3,003.3	440.2	279.8	160.36	2.745	
11,700.0	4,762.6	4,565.1	4,564.0	214.4	14.5	-41.58	-1,360.3	-3,003.3	524.5	361.9	162.60	3.226	
11,800.0	4,761.0	4,565.1	4,564.0	217.7	14.5	-41.58	-1,360.3	-3,003.3	613.6	448.7	164.84	3.722	
11,900.0	4,759.4	4,565.1	4,564.0	220.9	14.5	-41.58	-1,360.3	-3,003.3	705.6	538.5	167.09	4.223	
12,000.0	4,757.8	4,565.1	4,564.0	224.1	14.5	-41.58	-1,360.3	-3,003.3	799.5	630.1	169.34	4.721	
12,100.0	4,756.3	4,565.1	4,564.0	227.4	14.5	-41.58	-1,360.3	-3,003.3	894.7	723.1	171.59	5.214	
12,200.0	4,754.7	4,565.1	4,564.0	230.7	14.5	-41.58	-1,360.3	-3,003.3	990.9	817.0	173.85	5.700	
12,300.0	4,753.1	4,565.1	4,564.0	233.9	14.5	-41.58	-1,360.3	-3,003.3	1,087.8	911.6	176.11	6.177	
12,400.0	4,751.5	4,565.1	4,564.0	237.2	14.5	-41.58	-1,360.3	-3,003.3	1,185.1	1,006.8	178.37	6.644	
12,494.0	4,750.0	4,565.1	4,564.0	240.3	14.5	-41.58	-1,360.3	-3,003.3	1,277.0	1,096.5	180.50	7.075	

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design offset wells - Trindle 4 DA - Wellbore #1 - Wellbore #1 — **Offset Site Error:** 0.0 ft

Survey Program: 5000-UNKNOWN — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,400.0	4,801.7	4,788.7	4,788.7	142.8	117.3	-137.82	-1,273.8	-3,095.9	1,933.8	1,754.0	179.85	10.753	
9,500.0	4,797.6	4,784.6	4,784.6	145.7	117.2	-119.23	-1,273.8	-3,095.9	1,834.0	1,603.5	230.48	7.957	
9,600.0	4,795.9	4,782.9	4,782.9	148.7	117.2	-108.11	-1,273.8	-3,095.9	1,734.1	1,481.5	252.65	6.864	
9,700.0	4,794.3	4,781.3	4,781.3	151.7	117.1	-107.13	-1,273.8	-3,095.9	1,634.3	1,377.5	256.83	6.363	
9,800.0	4,792.7	4,779.7	4,779.7	154.7	117.1	-106.14	-1,273.8	-3,095.9	1,534.4	1,273.4	260.99	5.879	
9,900.0	4,791.2	4,778.2	4,778.2	157.7	117.1	-105.13	-1,273.8	-3,095.9	1,434.6	1,169.5	265.14	5.411	
10,000.0	4,789.6	4,776.6	4,776.6	160.7	117.0	-104.12	-1,273.8	-3,095.9	1,334.8	1,065.5	269.26	4.957	
10,100.0	4,788.0	4,775.0	4,775.0	163.8	117.0	-103.10	-1,273.8	-3,095.9	1,235.0	961.7	273.35	4.518	
10,200.0	4,786.4	4,773.4	4,773.4	166.9	116.9	-102.07	-1,273.8	-3,095.9	1,135.3	857.9	277.41	4.093	
10,300.0	4,784.8	4,771.8	4,771.8	170.0	116.9	-101.03	-1,273.8	-3,095.9	1,035.6	754.2	281.42	3.680	
10,400.0	4,783.2	4,770.2	4,770.2	173.1	116.9	-99.98	-1,273.8	-3,095.9	936.0	650.6	285.38	3.280	
10,500.0	4,781.6	4,768.6	4,768.6	176.2	116.8	-98.93	-1,273.8	-3,095.9	836.5	547.2	289.29	2.891	
10,600.0	4,780.1	4,767.1	4,767.1	179.3	116.8	-97.87	-1,273.8	-3,095.9	737.0	443.9	293.15	2.514	
10,700.0	4,778.5	4,765.5	4,765.5	182.5	116.8	-96.81	-1,273.8	-3,095.9	637.8	340.9	296.93	2.148	
10,800.0	4,776.9	4,763.9	4,763.9	185.6	116.7	-95.74	-1,273.8	-3,095.9	538.9	238.2	300.65	1.792	
10,900.0	4,775.3	4,762.3	4,762.3	188.8	116.7	-94.67	-1,273.8	-3,095.9	440.4	136.1	304.29	1.447	Level 3
11,000.0	4,773.7	4,760.7	4,760.7	192.0	116.6	-93.59	-1,273.8	-3,095.9	342.7	34.9	307.85	1.113	Level 2
11,100.0	4,772.1	4,759.1	4,759.1	195.1	116.6	-92.51	-1,273.8	-3,095.9	247.0	-64.3	311.33	0.793	Level 1
11,200.0	4,770.5	4,757.5	4,757.5	198.3	116.6	-91.43	-1,273.8	-3,095.9	156.7	-158.0	314.71	0.498	Level 1
11,300.0	4,768.9	4,755.9	4,755.9	201.5	116.5	-90.35	-1,273.8	-3,095.9	90.0	-228.0	318.00	0.283	Level 1
11,332.3	4,768.4	4,755.4	4,755.4	202.6	116.5	-90.00	-1,273.8	-3,095.9	84.0	-235.0	319.05	0.263	Level 1, CC, ES, SF
11,400.0	4,767.4	4,754.4	4,754.4	204.7	116.5	-89.27	-1,273.8	-3,095.9	107.9	-213.3	321.20	0.336	Level 1
11,500.0	4,765.8	4,752.8	4,752.8	208.0	116.4	-88.19	-1,273.8	-3,095.9	187.5	-136.8	324.29	0.578	Level 1
11,600.0	4,764.2	4,751.2	4,751.2	211.2	116.4	-87.11	-1,273.8	-3,095.9	280.5	-46.8	327.27	0.857	Level 1
11,700.0	4,762.6	4,749.6	4,749.6	214.4	116.4	-86.03	-1,273.8	-3,095.9	377.1	47.0	330.16	1.142	Level 2
11,800.0	4,761.0	4,748.0	4,748.0	217.7	116.3	-84.95	-1,273.8	-3,095.9	475.1	142.2	332.93	1.427	Level 3
11,900.0	4,759.4	4,746.4	4,746.4	220.9	116.3	-83.88	-1,273.8	-3,095.9	573.8	238.2	335.59	1.710	
12,000.0	4,757.8	4,744.8	4,744.8	224.1	116.2	-82.82	-1,273.8	-3,095.9	672.9	334.7	338.13	1.990	
12,100.0	4,756.3	4,743.3	4,743.3	227.4	116.2	-81.75	-1,273.8	-3,095.9	772.2	431.6	340.57	2.267	
12,200.0	4,754.7	4,741.7	4,741.7	230.7	116.2	-80.70	-1,273.8	-3,095.9	871.6	528.7	342.88	2.542	
12,300.0	4,753.1	4,740.1	4,740.1	233.9	116.1	-79.65	-1,273.8	-3,095.9	971.2	626.1	345.09	2.814	
12,400.0	4,751.5	4,738.5	4,738.5	237.2	116.1	-78.60	-1,273.8	-3,095.9	1,070.8	723.7	347.17	3.084	
12,494.0	4,750.0	4,737.0	4,737.0	240.3	116.1	-77.63	-1,273.8	-3,095.9	1,164.5	815.5	349.03	3.337	

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design offset wells - Trindle 5 PR - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 ft

Survey Program: 4989-UNKNOWN

Offset Well Error: 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,600.0	4,795.9	4,782.9	4,782.9	148.7	117.2	93.01	-633.3	-3,212.9	1,927.3	1,661.9	265.43	7.261	
9,700.0	4,794.3	4,781.3	4,781.3	151.7	117.1	92.84	-633.3	-3,212.9	1,831.8	1,563.4	268.42	6.824	
9,800.0	4,792.7	4,779.7	4,779.7	154.7	117.1	92.68	-633.3	-3,212.9	1,736.8	1,465.4	271.44	6.399	
9,900.0	4,791.2	4,778.2	4,778.2	157.7	117.1	92.52	-633.3	-3,212.9	1,642.4	1,368.0	274.46	5.984	
10,000.0	4,789.6	4,776.6	4,776.6	160.7	117.0	92.36	-633.3	-3,212.9	1,548.8	1,271.3	277.51	5.581	
10,100.0	4,788.0	4,775.0	4,775.0	163.8	117.0	92.19	-633.3	-3,212.9	1,455.9	1,175.3	280.56	5.189	
10,200.0	4,786.4	4,773.4	4,773.4	166.9	116.9	92.03	-633.3	-3,212.9	1,364.1	1,080.4	283.63	4.809	
10,300.0	4,784.8	4,771.8	4,771.8	170.0	116.9	91.87	-633.3	-3,212.9	1,273.5	986.7	286.71	4.442	
10,400.0	4,783.2	4,770.2	4,770.2	173.1	116.9	91.70	-633.3	-3,212.9	1,184.4	894.6	289.80	4.087	
10,500.0	4,781.6	4,768.6	4,768.6	176.2	116.8	91.54	-633.3	-3,212.9	1,097.1	804.2	292.91	3.746	
10,600.0	4,780.1	4,767.1	4,767.1	179.3	116.8	91.38	-633.3	-3,212.9	1,012.3	716.3	296.02	3.420	
10,700.0	4,778.5	4,765.5	4,765.5	182.5	116.8	91.22	-633.3	-3,212.9	930.4	631.3	299.14	3.110	
10,800.0	4,776.9	4,763.9	4,763.9	185.6	116.7	91.05	-633.3	-3,212.9	852.5	550.2	302.27	2.820	
10,900.0	4,775.3	4,762.3	4,762.3	188.8	116.7	90.89	-633.3	-3,212.9	779.5	474.1	305.41	2.552	
11,000.0	4,773.7	4,760.7	4,760.7	192.0	116.6	90.73	-633.3	-3,212.9	713.2	404.6	308.55	2.311	
11,100.0	4,772.1	4,759.1	4,759.1	195.1	116.6	90.56	-633.3	-3,212.9	655.4	343.7	311.70	2.103	
11,200.0	4,770.5	4,757.5	4,757.5	198.3	116.6	90.40	-633.3	-3,212.9	608.7	293.9	314.86	1.933	
11,300.0	4,768.9	4,755.9	4,755.9	201.5	116.5	90.24	-633.3	-3,212.9	575.8	257.8	318.03	1.810	
11,400.0	4,767.4	4,754.4	4,754.4	204.7	116.5	90.07	-633.3	-3,212.9	559.0	237.8	321.20	1.740	
11,445.2	4,766.6	4,753.6	4,753.6	206.2	116.5	90.00	-633.3	-3,212.9	557.2	234.5	322.63	1.727	CC, ES
11,500.0	4,765.8	4,752.8	4,752.8	208.0	116.4	89.91	-633.3	-3,212.9	559.9	235.5	324.37	1.726	SF
11,600.0	4,764.2	4,751.2	4,751.2	211.2	116.4	89.75	-633.3	-3,212.9	578.3	250.7	327.55	1.765	
11,700.0	4,762.6	4,749.6	4,749.6	214.4	116.4	89.58	-633.3	-3,212.9	612.6	281.9	330.73	1.852	
11,800.0	4,761.0	4,748.0	4,748.0	217.7	116.3	89.42	-633.3	-3,212.9	660.5	326.6	333.92	1.978	
11,900.0	4,759.4	4,746.4	4,746.4	220.9	116.3	89.26	-633.3	-3,212.9	719.2	382.0	337.11	2.133	
12,000.0	4,757.8	4,744.8	4,744.8	224.1	116.2	89.10	-633.3	-3,212.9	786.2	445.9	340.30	2.310	
12,100.0	4,756.3	4,743.3	4,743.3	227.4	116.2	88.93	-633.3	-3,212.9	859.7	516.2	343.50	2.503	
12,200.0	4,754.7	4,741.7	4,741.7	230.7	116.2	88.77	-633.3	-3,212.9	938.1	591.4	346.70	2.706	
12,300.0	4,753.1	4,740.1	4,740.1	233.9	116.1	88.61	-633.3	-3,212.9	1,020.2	670.3	349.90	2.916	
12,400.0	4,751.5	4,738.5	4,738.5	237.2	116.1	88.44	-633.3	-3,212.9	1,105.3	752.2	353.10	3.130	
12,494.0	4,750.0	4,737.0	4,737.0	240.3	116.1	88.29	-633.3	-3,212.9	1,187.4	831.3	356.11	3.334	

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design offset wells - W R Saulcy #3 PA - Wellbore #1 - Wellbore #1 — **Offset Site Error:** 0.0 ft

Survey Program: 5000-UNKNOWN — **Offset Well Error:** 0.0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
1,400.0	1,322.6	1,309.6	1,309.6	10.0	32.1	-24.63	-82.6	2,338.1	1,994.2	1,961.0	33.21	60.048	
1,500.0	1,401.9	1,388.9	1,388.9	11.7	34.0	-26.26	-82.6	2,338.1	1,937.2	1,902.1	35.17	55.074	
1,600.0	1,478.5	1,465.5	1,465.5	13.6	35.9	-27.51	-82.6	2,338.1	1,877.4	1,839.8	37.61	49.922	
1,700.0	1,554.9	1,541.9	1,541.9	15.4	37.8	-28.40	-82.6	2,338.1	1,817.5	1,777.1	40.39	44.994	
1,800.0	1,631.2	1,618.2	1,618.2	17.3	39.6	-29.35	-82.6	2,338.1	1,757.9	1,714.7	43.27	40.632	
1,900.0	1,707.5	1,694.5	1,694.5	19.1	41.5	-30.36	-82.6	2,338.1	1,698.8	1,652.5	46.23	36.750	
2,000.0	1,783.9	1,770.9	1,770.9	21.0	43.4	-31.44	-82.6	2,338.1	1,640.0	1,590.7	49.28	33.280	
2,100.0	1,860.2	1,847.2	1,847.2	22.9	45.3	-32.58	-82.6	2,338.1	1,581.7	1,529.3	52.43	30.167	
2,200.0	1,936.5	1,923.5	1,923.5	24.7	47.1	-33.80	-82.6	2,338.1	1,523.9	1,468.2	55.69	27.362	
2,300.0	2,012.8	1,999.8	1,999.8	26.6	49.0	-35.11	-82.6	2,338.1	1,466.7	1,407.6	59.07	24.828	
2,400.0	2,089.2	2,076.2	2,076.2	28.5	50.9	-36.50	-82.6	2,338.1	1,410.1	1,347.5	62.58	22.533	
2,500.0	2,165.5	2,152.5	2,152.5	30.4	52.7	-37.99	-82.6	2,338.1	1,354.2	1,288.0	66.22	20.451	
2,600.0	2,241.8	2,228.8	2,228.8	32.3	54.6	-39.59	-82.6	2,338.1	1,299.1	1,229.1	70.00	18.559	
2,700.0	2,318.2	2,305.2	2,305.2	34.2	56.5	-41.31	-82.6	2,338.1	1,245.0	1,171.0	73.94	16.837	
2,800.0	2,394.5	2,381.5	2,381.5	36.0	58.3	-43.15	-82.6	2,338.1	1,191.9	1,113.8	78.04	15.272	
2,900.0	2,470.8	2,457.8	2,457.8	37.9	60.2	-45.12	-82.6	2,338.1	1,139.9	1,057.6	82.32	13.848	
3,000.0	2,547.2	2,534.2	2,534.2	39.8	62.1	-47.24	-82.6	2,338.1	1,089.4	1,002.6	86.77	12.555	
3,100.0	2,623.5	2,610.5	2,610.5	41.7	64.0	-49.52	-82.6	2,338.1	1,040.4	949.0	91.40	11.383	
3,200.0	2,699.8	2,686.8	2,686.8	43.6	65.8	-51.96	-82.6	2,338.1	993.1	896.9	96.20	10.324	
3,300.0	2,776.1	2,763.1	2,763.1	45.5	67.7	-54.57	-82.6	2,338.1	948.0	846.8	101.17	9.370	
3,400.0	2,852.5	2,839.5	2,839.5	47.4	69.6	-57.37	-82.6	2,338.1	905.2	798.9	106.29	8.516	
3,500.0	2,928.8	2,915.8	2,915.8	49.3	71.4	-60.35	-82.6	2,338.1	865.1	753.5	111.53	7.757	
3,600.0	3,005.1	2,992.1	2,992.1	51.1	73.3	-63.52	-82.6	2,338.1	828.1	711.2	116.84	7.087	
3,700.0	3,081.5	3,068.5	3,068.5	53.0	75.2	-66.88	-82.6	2,338.1	794.6	672.4	122.19	6.503	
3,800.0	3,157.8	3,144.8	3,144.8	54.9	77.0	-70.41	-82.6	2,338.1	765.2	637.6	127.50	6.001	
3,900.0	3,234.1	3,221.1	3,221.1	56.8	78.9	-74.11	-82.6	2,338.1	740.2	607.5	132.70	5.578	
4,000.0	3,310.5	3,297.5	3,297.5	58.7	80.8	-77.94	-82.6	2,338.1	720.1	582.4	137.71	5.229	
4,100.0	3,386.8	3,373.8	3,373.8	60.6	82.7	-81.89	-82.6	2,338.1	705.5	563.0	142.44	4.953	
4,200.0	3,463.1	3,450.1	3,450.1	62.5	84.5	-85.92	-82.6	2,338.1	696.5	549.7	146.82	4.744	
4,300.0	3,539.4	3,526.4	3,526.4	64.4	86.4	-89.98	-82.6	2,338.1	693.5	542.7	150.78	4.599	
4,300.4	3,539.8	3,526.8	3,526.8	64.4	86.4	-90.00	-82.6	2,338.1	693.5	542.7	150.79	4.599	CC
4,400.0	3,615.8	3,602.8	3,602.8	66.3	88.3	-94.05	-82.6	2,338.1	696.5	542.2	154.27	4.515	ES
4,500.0	3,692.1	3,679.1	3,679.1	68.2	90.1	-98.08	-82.6	2,338.1	705.4	548.1	157.26	4.485	SF
4,600.0	3,768.4	3,755.4	3,755.4	70.1	92.0	-102.03	-82.6	2,338.1	720.0	560.2	159.76	4.507	
4,700.0	3,844.8	3,831.8	3,831.8	71.9	93.9	-105.86	-82.6	2,338.1	740.0	578.2	161.79	4.574	
4,800.0	3,921.1	3,908.1	3,908.1	73.8	95.7	-109.56	-82.6	2,338.1	764.9	601.5	163.39	4.682	
4,900.0	3,998.0	3,985.0	3,985.0	75.7	97.6	-115.86	-82.6	2,338.1	794.4	630.6	163.78	4.850	
5,000.0	4,081.3	4,068.3	4,068.3	77.0	99.7	-128.99	-82.6	2,338.1	827.4	665.1	162.30	5.098	
5,100.0	4,170.9	4,157.9	4,157.9	77.9	101.9	-146.08	-82.6	2,338.1	861.0	699.3	161.73	5.324	
5,200.0	4,264.8	4,251.8	4,251.8	78.5	104.2	-170.39	-82.6	2,338.1	892.8	730.1	162.73	5.487	
5,300.0	4,360.5	4,347.5	4,347.5	78.8	106.5	158.10	-82.6	2,338.1	921.4	756.2	165.17	5.578	
5,400.0	4,455.7	4,442.7	4,442.7	78.8	108.8	130.78	-82.6	2,338.1	946.0	777.5	168.57	5.612	
5,500.0	4,548.1	4,535.1	4,535.1	78.7	111.1	114.35	-82.6	2,338.1	967.0	794.6	172.45	5.607	
5,600.0	4,635.3	4,622.3	4,622.3	78.5	113.2	105.62	-82.6	2,338.1	985.2	808.7	176.45	5.583	
5,700.0	4,715.3	4,702.3	4,702.3	78.3	115.2	101.12	-82.6	2,338.1	1,001.8	821.6	180.27	5.558	
5,800.0	4,786.0	4,773.0	4,773.0	78.1	116.9	98.80	-82.6	2,338.1	1,018.6	834.9	183.69	5.545	
5,900.0	4,845.8	4,832.8	4,832.8	78.1	118.4	97.43	-82.6	2,338.1	1,037.1	850.4	186.67	5.556	
6,000.0	4,893.1	4,880.1	4,880.1	78.1	119.6	96.22	-82.6	2,338.1	1,058.8	869.5	189.27	5.594	
6,100.0	4,926.8	4,913.8	4,913.8	78.4	120.4	94.64	-82.6	2,338.1	1,084.6	893.0	191.67	5.659	
6,200.0	4,946.1	4,933.1	4,933.1	78.8	120.9	92.36	-82.6	2,338.1	1,115.0	921.1	193.91	5.750	
6,300.0	4,950.4	4,937.4	4,937.4	79.3	121.0	89.29	-82.6	2,338.1	1,149.6	953.8	195.80	5.871	
6,400.0	4,945.7	4,932.7	4,932.7	79.9	120.9	88.69	-82.6	2,338.1	1,189.1	992.6	196.56	6.050	

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Offset Design offset wells - W R Saulcy #3 PA - Wellbore #1 - Wellbore #1 — **Offset Site Error:** 0.0 ft

Survey Program: 5000-UNKNOWN — **Offset Well Error:** 0.0 ft

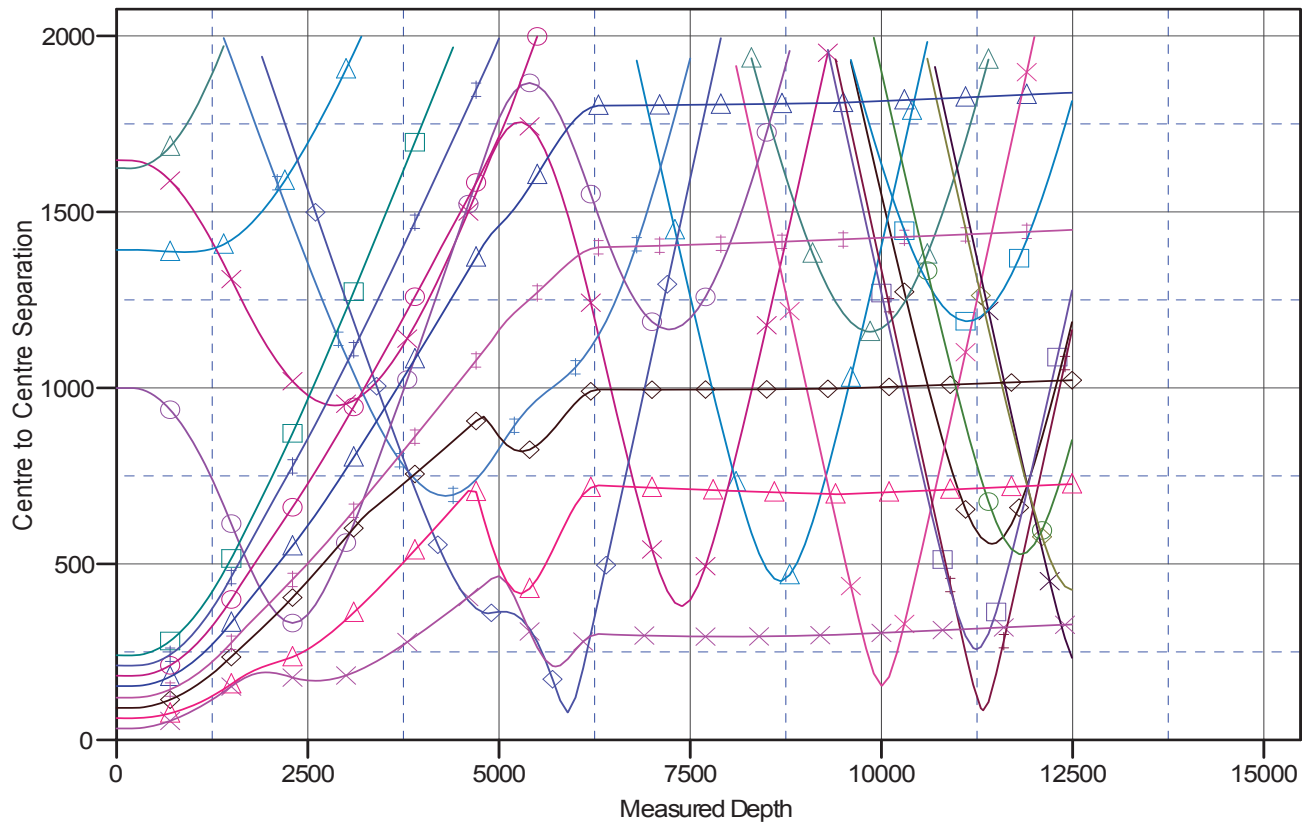
Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
6,500.0	4,940.9	4,927.9	4,927.9	80.6	120.7	88.43	-82.6	2,338.1	1,235.5	1,038.2	197.35	6.260	
6,600.0	4,936.1	4,923.1	4,923.1	81.4	120.6	88.17	-82.6	2,338.1	1,288.0	1,089.7	198.28	6.496	
6,700.0	4,931.3	4,918.3	4,918.3	82.4	120.5	87.92	-82.6	2,338.1	1,345.8	1,146.5	199.34	6.751	
6,800.0	4,926.5	4,913.5	4,913.5	83.5	120.4	87.66	-82.6	2,338.1	1,408.4	1,207.9	200.53	7.023	
6,900.0	4,921.7	4,908.7	4,908.7	84.7	120.3	87.41	-82.6	2,338.1	1,475.1	1,273.2	201.83	7.309	
7,000.0	4,916.9	4,903.9	4,903.9	86.1	120.1	87.15	-82.6	2,338.1	1,545.3	1,342.1	203.24	7.603	
7,100.0	4,912.1	4,899.1	4,899.1	87.6	120.0	86.90	-82.6	2,338.1	1,618.7	1,414.0	204.76	7.905	
7,200.0	4,907.3	4,894.3	4,894.3	89.2	119.9	86.64	-82.6	2,338.1	1,694.8	1,488.4	206.38	8.212	
7,300.0	4,902.5	4,889.5	4,889.5	90.9	119.8	86.39	-82.6	2,338.1	1,773.3	1,565.2	208.08	8.522	
7,400.0	4,897.7	4,884.7	4,884.7	92.7	119.7	86.13	-82.6	2,338.1	1,853.8	1,643.9	209.88	8.833	
7,500.0	4,892.9	4,879.9	4,879.9	94.5	119.6	85.88	-82.6	2,338.1	1,936.1	1,724.4	211.75	9.143	

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to WELL @ 5013.0ft (Original Well Elev)
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000

Coordinates are relative to: Bunker 8-1H
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.30°

Ladder Plot



L E G E N D

Wellbore #1, Wellbore #1 V0
Wellbore #1, Wellbore #1 V0
Wellbore #1, Wellbore #1 V0
PA, Wellbore #1, Wellbore #1 V0
Wellbore #1, Wellbore #1 V0
, Wellbore #1, Wellbore #1 V0
Wellbore #1, Wellbore #1 V0
Wellbore #1, Wellbore #1 V0
Trindle 2 PR, Wellbore #1, Wellbore #1 V0
Trindle 4 DA, Wellbore #1, Wellbore #1 V0
Saulcy (William R) #2 PR, Wellbore #1, Wellbore #1 V0
Trindle 1 PR, Wellbore #1, Wellbore #1 V0
Trindle 3 PR, Wellbore #1, Wellbore #1 V0
Lavington-Atkinson Trindel 2 DA, Wellbore #1, Wellbore #1 V0
Bunker 8-4H, Wellbore #1, Plan #3 (4-30-21) V0
Bunker 8-2H, Wellbore #1, Plan #2 (6-29-21) V0
Bunker 8-6H, Wellbore #1, Plan #2 (12-06-
Bunker 8-5H, Wellbore #1, Plan #2 (12-06-
Bunker 8-3H, Wellbore #1, Plan #2 (12-06-
Bunker 8-8H, Wellbore #1, Plan #2 (12-06-
Bunker 8-9H, Wellbore #1, Plan #2 (12-06-
Bunker 8-7H, Wellbore #1, Plan #2 (12-06-

Company:	Magpie Operating, Inc.	**Local Co-ordinate Reference:**	Well Bunker 8-1H
Project:	SEC.29-T5N-R68W	**TVD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Reference Site:	Bunker 8 Well Pad Sec.29-T5N-R68W	**MD Reference:**	WELL @ 5013.0ft (Original Well Elev)
Site Error:	0.0 ft	**North Reference:**	True
Reference Well:	Bunker 8-1H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 ft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	US_EDM
Reference Design:	Plan #7 (7-16-21)	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to WELL @ 5013.0ft (Original Well Elev)	Coordinates are relative to: Bunker 8-1H
Offset Depths are relative to Offset Datum	Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is -105.500000	Grid Convergence at Surface is: 0.30°