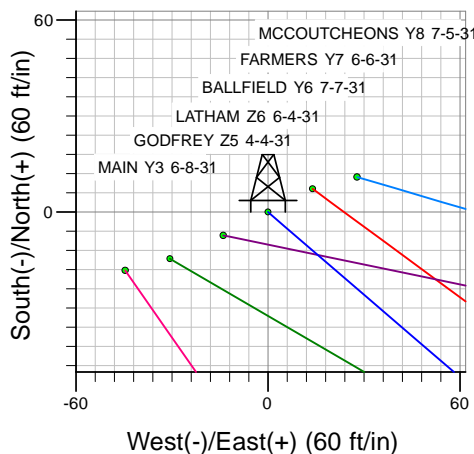
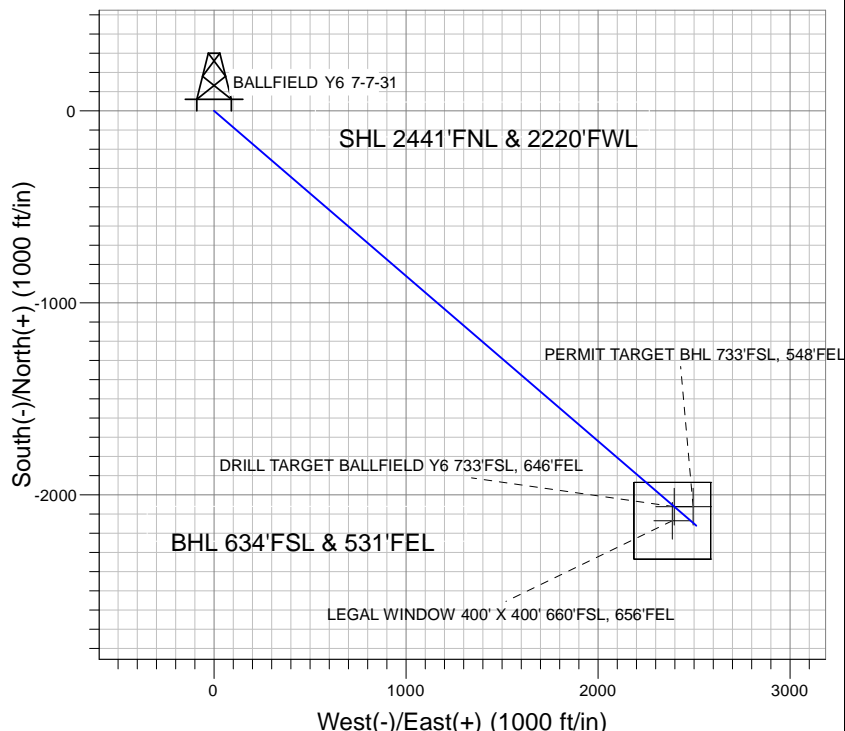
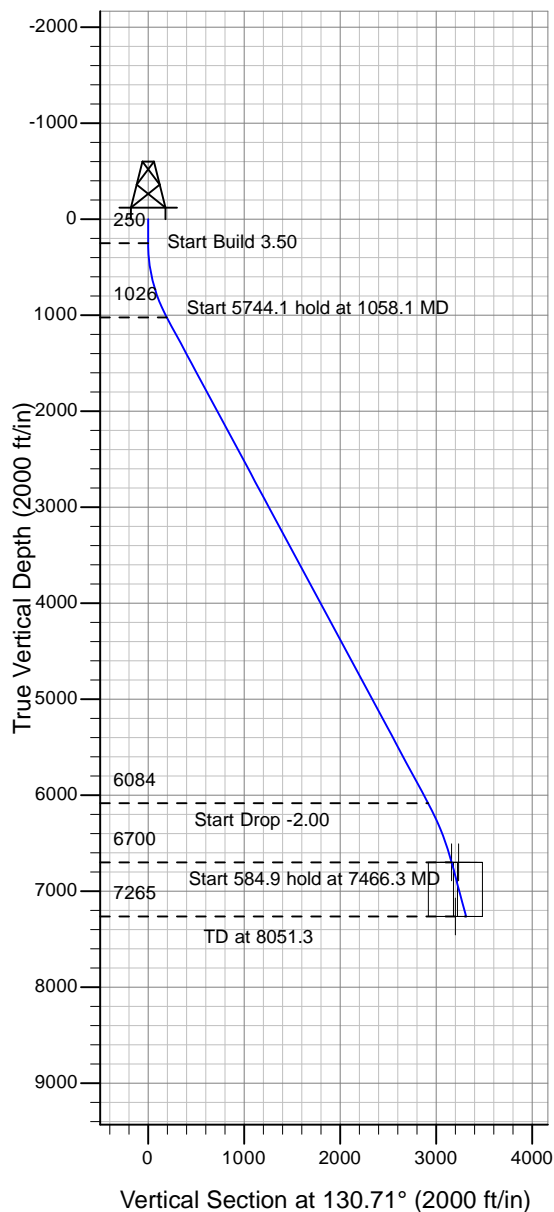


### Well Name: BALLFIELD Y6 7-7-31

Surface Location: PAD Y SEC.31-T5N-R65W  
 North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone  
 Ground Elevation: 4658.0

+N/-S+E/-W Northing Easting Latitude Longitude Slot  
 0.0 0.01373576.01 3220792.37 40° 21' 22.176 N 104° 42' 27.864 W  
 Original Well Elev WELL @ 4673.0ft (Original Well Elev)

### Mineral Resources Inc



PAD Y SEC.31-T5N-R65W  
 BALLFIELD Y6 7-7-31  
 Plan #4 (3-29-10)  
 12:19, April 05 2010



Azimuths to True North  
 Magnetic North: 8.99°  
 Magnetic Field  
 Strength: 53242.1nT  
 Dip Angle: 67.07°  
 Date: 4/5/2010  
 Model: IGRF2010

#### WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
DRILL TARGET BALLFIELD Y6 733'FSL, 646'FEL	6700.0	-2061.9	2396.6	40° 21' 1.800 N	104° 41' 56.910 W	Point
PERMIT TARGET BHL 733'FSL, 548'FEL	6700.0	-2061.9	2494.6	40° 21' 1.800 N	104° 41' 55.644 W	Point
LEGAL WINDOW 400' X 400' 660'FSL, 656'FEL	7265.0	-2134.9	2386.6	40° 21' 1.078 N	104° 41' 57.039 W	Rectangle (Sides: L400.0 W400.0)

#### SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	250.0	0.00	0.00	250.0	0.0	0.0	0.00	0.00	0.0	
3	1058.1	28.28	130.71	1025.7	-127.5	148.1	3.50	130.71	195.4	
4	6802.2	28.28	130.71	6084.1	-1902.5	2211.3	0.00	0.00	2917.1	
5	7466.3	15.00	130.71	6700.0	-2061.9	2396.6	2.00	180.00	3161.5	DRILL TARGET BALLFIELD Y6 733'FSL, 646'FEL
6	8051.3	15.00	130.71	7265.0	-2160.6	2511.4	0.00	0.00	3312.9	



## **Mineral Resources Inc**

**SEC.31-T5N-R65W**

**PAD Y SEC.31-T5N-R65W**

**BALLFIELD Y6 7-7-31**

**Wellbore #1**

**Plan: Plan #4 (3-29-10)**

## **Standard Planning Report**

**05 April, 2010**

<b>Database:</b>	EDM den0-adp01 Server Data	<b>Local Co-ordinate Reference:</b>	Well BALLFIELD Y6 7-7-31
<b>Company:</b>	Mineral Resources Inc	<b>TVD Reference:</b>	WELL @ 4673.0ft (Original Well Elev)
<b>Project:</b>	SEC.31-T5N-R65W	<b>MD Reference:</b>	WELL @ 4673.0ft (Original Well Elev)
<b>Site:</b>	PAD Y SEC.31-T5N-R65W	<b>North Reference:</b>	True
<b>Well:</b>	BALLFIELD Y6 7-7-31	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #4 (3-29-10)		

<b>Project</b>	SEC.31-T5N-R65W		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		Using Well Reference Point
<b>Map Zone:</b>	Colorado Northern Zone		Using geodetic scale factor

<b>Site</b>	PAD Y SEC.31-T5N-R65W		
<b>Site Position:</b>		<b>Northing:</b>	1,373,449.41 ft
<b>From:</b>	Lat/Long	<b>Easting:</b>	3,220,484.14 ft
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"
		<b>Latitude:</b>	40° 21' 20.952 N
		<b>Longitude:</b>	104° 42' 31.860 W
		<b>Grid Convergence:</b>	0.51 °

Well	BALLFIELD Y6 7-7-31					
Well Position	+N-S	123.9 ft	Northing:	1,373,576.01 ft	Latitude:	40° 21' 22.176 N
	+E-W	309.4 ft	Easting:	3,220,792.37 ft	Longitude:	104° 42' 27.864 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,658.0 ft

<b>Wellbore</b>	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	1/29/2008	9.25	67.15	53,487
	IGRF200510	10/7/2008	9.16	67.12	53,416
	IGRF2010	4/5/2010	8.99	67.07	53,242

<b>Design</b>	Plan #4 (3-29-10)			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	130.71

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
250.0	0.00	0.00	250.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,058.1	28.28	130.71	1,025.7	-127.5	148.1	3.50	3.50	0.00	130.71	
6,802.2	28.28	130.71	6,084.1	-1,902.5	2,211.3	0.00	0.00	0.00	0.00	
7,466.3	15.00	130.71	6,700.0	-2,061.9	2,396.6	2.00	-2.00	0.00	180.00	DRILL TARGET BA
8,051.3	15.00	130.71	7,265.0	-2,160.6	2,511.4	0.00	0.00	0.00	0.00	

<b>Database:</b>	EDM den0-adp01 Server Data	<b>Local Co-ordinate Reference:</b>	Well BALLFIELD Y6 7-7-31
<b>Company:</b>	Mineral Resources Inc	<b>TVD Reference:</b>	WELL @ 4673.0ft (Original Well Elev)
<b>Project:</b>	SEC.31-T5N-R65W	<b>MD Reference:</b>	WELL @ 4673.0ft (Original Well Elev)
<b>Site:</b>	PAD Y SEC.31-T5N-R65W	<b>North Reference:</b>	True
<b>Well:</b>	BALLFIELD Y6 7-7-31	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #4 (3-29-10)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
40.0	0.00	0.00	40.0	0.0	0.0	0.0	0.00	0.00	0.00
80.0	0.00	0.00	80.0	0.0	0.0	0.0	0.00	0.00	0.00
120.0	0.00	0.00	120.0	0.0	0.0	0.0	0.00	0.00	0.00
160.0	0.00	0.00	160.0	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
240.0	0.00	0.00	240.0	0.0	0.0	0.0	0.00	0.00	0.00
250.0	0.00	0.00	250.0	0.0	0.0	0.0	0.00	0.00	0.00
280.0	1.05	130.71	280.0	-0.2	0.2	0.3	3.50	3.50	0.00
320.0	2.45	130.71	320.0	-1.0	1.1	1.5	3.50	3.50	0.00
360.0	3.85	130.71	359.9	-2.4	2.8	3.7	3.50	3.50	0.00
400.0	5.25	130.71	399.8	-4.5	5.2	6.9	3.50	3.50	0.00
440.0	6.65	130.71	439.6	-7.2	8.3	11.0	3.50	3.50	0.00
480.0	8.05	130.71	479.2	-10.5	12.2	16.1	3.50	3.50	0.00
520.0	9.45	130.71	518.8	-14.5	16.8	22.2	3.50	3.50	0.00
560.0	10.85	130.71	558.2	-19.1	22.2	29.3	3.50	3.50	0.00
600.0	12.25	130.71	597.3	-24.3	28.3	37.3	3.50	3.50	0.00
640.0	13.65	130.71	636.3	-30.2	35.1	46.2	3.50	3.50	0.00
680.0	15.05	130.71	675.1	-36.6	42.6	56.2	3.50	3.50	0.00
720.0	16.45	130.71	713.6	-43.7	50.8	67.0	3.50	3.50	0.00
760.0	17.85	130.71	751.8	-51.4	59.7	78.8	3.50	3.50	0.00
800.0	19.25	130.71	789.7	-59.7	69.4	91.5	3.50	3.50	0.00
840.0	20.65	130.71	827.3	-68.6	79.7	105.2	3.50	3.50	0.00
880.0	22.05	130.71	864.6	-78.1	90.8	119.7	3.50	3.50	0.00
920.0	23.45	130.71	901.5	-88.2	102.5	135.2	3.50	3.50	0.00
960.0	24.85	130.71	937.9	-98.9	114.9	151.6	3.50	3.50	0.00
1,000.0	26.25	130.71	974.0	-110.1	128.0	168.8	3.50	3.50	0.00
1,040.0	27.65	130.71	1,009.7	-121.9	141.7	186.9	3.50	3.50	0.00
1,058.1	28.28	130.71	1,025.7	-127.5	148.1	195.4	3.50	3.50	0.00
1,080.0	28.28	130.71	1,045.0	-134.2	156.0	205.8	0.00	0.00	0.00
1,120.0	28.28	130.71	1,080.2	-146.6	170.4	224.8	0.00	0.00	0.00
1,160.0	28.28	130.71	1,115.4	-159.0	184.8	243.7	0.00	0.00	0.00
1,200.0	28.28	130.71	1,150.6	-171.3	199.1	262.7	0.00	0.00	0.00
1,240.0	28.28	130.71	1,185.9	-183.7	213.5	281.6	0.00	0.00	0.00
1,280.0	28.28	130.71	1,221.1	-196.0	227.9	300.6	0.00	0.00	0.00
1,320.0	28.28	130.71	1,256.3	-208.4	242.2	319.5	0.00	0.00	0.00
1,360.0	28.28	130.71	1,291.5	-220.8	256.6	338.5	0.00	0.00	0.00
1,400.0	28.28	130.71	1,326.8	-233.1	271.0	357.4	0.00	0.00	0.00
1,440.0	28.28	130.71	1,362.0	-245.5	285.3	376.4	0.00	0.00	0.00
1,480.0	28.28	130.71	1,397.2	-257.8	299.7	395.3	0.00	0.00	0.00
1,520.0	28.28	130.71	1,432.4	-270.2	314.1	414.3	0.00	0.00	0.00
1,560.0	28.28	130.71	1,467.7	-282.6	328.4	433.2	0.00	0.00	0.00
1,600.0	28.28	130.71	1,502.9	-294.9	342.8	452.2	0.00	0.00	0.00
1,640.0	28.28	130.71	1,538.1	-307.3	357.2	471.2	0.00	0.00	0.00
1,680.0	28.28	130.71	1,573.3	-319.6	371.5	490.1	0.00	0.00	0.00
1,720.0	28.28	130.71	1,608.6	-332.0	385.9	509.1	0.00	0.00	0.00
1,760.0	28.28	130.71	1,643.8	-344.4	400.3	528.0	0.00	0.00	0.00
1,800.0	28.28	130.71	1,679.0	-356.7	414.6	547.0	0.00	0.00	0.00
1,840.0	28.28	130.71	1,714.2	-369.1	429.0	565.9	0.00	0.00	0.00
1,880.0	28.28	130.71	1,749.5	-381.4	443.4	584.9	0.00	0.00	0.00
1,920.0	28.28	130.71	1,784.7	-393.8	457.7	603.8	0.00	0.00	0.00
1,960.0	28.28	130.71	1,819.9	-406.2	472.1	622.8	0.00	0.00	0.00
2,000.0	28.28	130.71	1,855.1	-418.5	486.5	641.7	0.00	0.00	0.00
2,040.0	28.28	130.71	1,890.4	-430.9	500.8	660.7	0.00	0.00	0.00

<b>Database:</b>	EDM den0-adp01 Server Data	<b>Local Co-ordinate Reference:</b>	Well BALLFIELD Y6 7-7-31
<b>Company:</b>	Mineral Resources Inc	<b>TVD Reference:</b>	WELL @ 4673.0ft (Original Well Elev)
<b>Project:</b>	SEC.31-T5N-R65W	<b>MD Reference:</b>	WELL @ 4673.0ft (Original Well Elev)
<b>Site:</b>	PAD Y SEC.31-T5N-R65W	<b>North Reference:</b>	True
<b>Well:</b>	BALLFIELD Y6 7-7-31	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #4 (3-29-10)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2,080.0	28.28	130.71	1,925.6	-443.3	515.2	679.6	0.00	0.00	0.00
2,120.0	28.28	130.71	1,960.8	-455.6	529.6	698.6	0.00	0.00	0.00
2,160.0	28.28	130.71	1,996.0	-468.0	543.9	717.5	0.00	0.00	0.00
2,200.0	28.28	130.71	2,031.3	-480.3	558.3	736.5	0.00	0.00	0.00
2,240.0	28.28	130.71	2,066.5	-492.7	572.7	755.4	0.00	0.00	0.00
2,280.0	28.28	130.71	2,101.7	-505.1	587.0	774.4	0.00	0.00	0.00
2,320.0	28.28	130.71	2,136.9	-517.4	601.4	793.4	0.00	0.00	0.00
2,360.0	28.28	130.71	2,172.2	-529.8	615.8	812.3	0.00	0.00	0.00
2,400.0	28.28	130.71	2,207.4	-542.1	630.1	831.3	0.00	0.00	0.00
2,440.0	28.28	130.71	2,242.6	-554.5	644.5	850.2	0.00	0.00	0.00
2,480.0	28.28	130.71	2,277.8	-566.9	658.9	869.2	0.00	0.00	0.00
2,520.0	28.28	130.71	2,313.1	-579.2	673.2	888.1	0.00	0.00	0.00
2,560.0	28.28	130.71	2,348.3	-591.6	687.6	907.1	0.00	0.00	0.00
2,600.0	28.28	130.71	2,383.5	-603.9	702.0	926.0	0.00	0.00	0.00
2,640.0	28.28	130.71	2,418.7	-616.3	716.3	945.0	0.00	0.00	0.00
2,680.0	28.28	130.71	2,454.0	-628.7	730.7	963.9	0.00	0.00	0.00
2,720.0	28.28	130.71	2,489.2	-641.0	745.1	982.9	0.00	0.00	0.00
2,760.0	28.28	130.71	2,524.4	-653.4	759.4	1,001.8	0.00	0.00	0.00
2,800.0	28.28	130.71	2,559.6	-665.7	773.8	1,020.8	0.00	0.00	0.00
2,840.0	28.28	130.71	2,594.9	-678.1	788.2	1,039.7	0.00	0.00	0.00
2,880.0	28.28	130.71	2,630.1	-690.5	802.5	1,058.7	0.00	0.00	0.00
2,920.0	28.28	130.71	2,665.3	-702.8	816.9	1,077.6	0.00	0.00	0.00
2,960.0	28.28	130.71	2,700.5	-715.2	831.3	1,096.6	0.00	0.00	0.00
3,000.0	28.28	130.71	2,735.8	-727.6	845.7	1,115.6	0.00	0.00	0.00
3,040.0	28.28	130.71	2,771.0	-739.9	860.0	1,134.5	0.00	0.00	0.00
3,080.0	28.28	130.71	2,806.2	-752.3	874.4	1,153.5	0.00	0.00	0.00
3,120.0	28.28	130.71	2,841.4	-764.6	888.8	1,172.4	0.00	0.00	0.00
3,160.0	28.28	130.71	2,876.7	-777.0	903.1	1,191.4	0.00	0.00	0.00
3,200.0	28.28	130.71	2,911.9	-789.4	917.5	1,210.3	0.00	0.00	0.00
3,240.0	28.28	130.71	2,947.1	-801.7	931.9	1,229.3	0.00	0.00	0.00
3,280.0	28.28	130.71	2,982.3	-814.1	946.2	1,248.2	0.00	0.00	0.00
3,320.0	28.28	130.71	3,017.6	-826.4	960.6	1,267.2	0.00	0.00	0.00
3,360.0	28.28	130.71	3,052.8	-838.8	975.0	1,286.1	0.00	0.00	0.00
3,400.0	28.28	130.71	3,088.0	-851.2	989.3	1,305.1	0.00	0.00	0.00
3,440.0	28.28	130.71	3,123.2	-863.5	1,003.7	1,324.0	0.00	0.00	0.00
3,480.0	28.28	130.71	3,158.5	-875.9	1,018.1	1,343.0	0.00	0.00	0.00
3,520.0	28.28	130.71	3,193.7	-888.2	1,032.4	1,361.9	0.00	0.00	0.00
3,560.0	28.28	130.71	3,228.9	-900.6	1,046.8	1,380.9	0.00	0.00	0.00
3,600.0	28.28	130.71	3,264.1	-913.0	1,061.2	1,399.8	0.00	0.00	0.00
3,640.0	28.28	130.71	3,299.4	-925.3	1,075.5	1,418.8	0.00	0.00	0.00
3,680.0	28.28	130.71	3,334.6	-937.7	1,089.9	1,437.8	0.00	0.00	0.00
3,720.0	28.28	130.71	3,369.8	-950.0	1,104.3	1,456.7	0.00	0.00	0.00
3,760.0	28.28	130.71	3,405.0	-962.4	1,118.6	1,475.7	0.00	0.00	0.00
3,800.0	28.28	130.71	3,440.3	-974.8	1,133.0	1,494.6	0.00	0.00	0.00
3,840.0	28.28	130.71	3,475.5	-987.1	1,147.4	1,513.6	0.00	0.00	0.00
3,880.0	28.28	130.71	3,510.7	-999.5	1,161.7	1,532.5	0.00	0.00	0.00
3,920.0	28.28	130.71	3,545.9	-1,011.9	1,176.1	1,551.5	0.00	0.00	0.00
3,960.0	28.28	130.71	3,581.2	-1,024.2	1,190.5	1,570.4	0.00	0.00	0.00
4,000.0	28.28	130.71	3,616.4	-1,036.6	1,204.8	1,589.4	0.00	0.00	0.00
4,040.0	28.28	130.71	3,651.6	-1,048.9	1,219.2	1,608.3	0.00	0.00	0.00
4,080.0	28.28	130.71	3,686.8	-1,061.3	1,233.6	1,627.3	0.00	0.00	0.00
4,120.0	28.28	130.71	3,722.1	-1,073.7	1,247.9	1,646.2	0.00	0.00	0.00
4,160.0	28.28	130.71	3,757.3	-1,086.0	1,262.3	1,665.2	0.00	0.00	0.00
4,200.0	28.28	130.71	3,792.5	-1,098.4	1,276.7	1,684.1	0.00	0.00	0.00

<b>Database:</b>	EDM den0-adp01 Server Data	<b>Local Co-ordinate Reference:</b>	Well BALLFIELD Y6 7-7-31
<b>Company:</b>	Mineral Resources Inc	<b>TVD Reference:</b>	WELL @ 4673.0ft (Original Well Elev)
<b>Project:</b>	SEC.31-T5N-R65W	<b>MD Reference:</b>	WELL @ 4673.0ft (Original Well Elev)
<b>Site:</b>	PAD Y SEC.31-T5N-R65W	<b>North Reference:</b>	True
<b>Well:</b>	BALLFIELD Y6 7-7-31	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #4 (3-29-10)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,240.0	28.28	130.71	3,827.7	-1,110.7	1,291.0	1,703.1	0.00	0.00	0.00
4,280.0	28.28	130.71	3,862.9	-1,123.1	1,305.4	1,722.0	0.00	0.00	0.00
4,320.0	28.28	130.71	3,898.2	-1,135.5	1,319.8	1,741.0	0.00	0.00	0.00
4,360.0	28.28	130.71	3,933.4	-1,147.8	1,334.1	1,760.0	0.00	0.00	0.00
4,400.0	28.28	130.71	3,968.6	-1,160.2	1,348.5	1,778.9	0.00	0.00	0.00
4,440.0	28.28	130.71	4,003.8	-1,172.5	1,362.9	1,797.9	0.00	0.00	0.00
4,480.0	28.28	130.71	4,039.1	-1,184.9	1,377.2	1,816.8	0.00	0.00	0.00
4,520.0	28.28	130.71	4,074.3	-1,197.3	1,391.6	1,835.8	0.00	0.00	0.00
4,560.0	28.28	130.71	4,109.5	-1,209.6	1,406.0	1,854.7	0.00	0.00	0.00
4,600.0	28.28	130.71	4,144.7	-1,222.0	1,420.3	1,873.7	0.00	0.00	0.00
4,640.0	28.28	130.71	4,180.0	-1,234.3	1,434.7	1,892.6	0.00	0.00	0.00
4,680.0	28.28	130.71	4,215.2	-1,246.7	1,449.1	1,911.6	0.00	0.00	0.00
4,720.0	28.28	130.71	4,250.4	-1,259.1	1,463.4	1,930.5	0.00	0.00	0.00
4,760.0	28.28	130.71	4,285.6	-1,271.4	1,477.8	1,949.5	0.00	0.00	0.00
4,800.0	28.28	130.71	4,320.9	-1,283.8	1,492.2	1,968.4	0.00	0.00	0.00
4,840.0	28.28	130.71	4,356.1	-1,296.2	1,506.6	1,987.4	0.00	0.00	0.00
4,880.0	28.28	130.71	4,391.3	-1,308.5	1,520.9	2,006.3	0.00	0.00	0.00
4,920.0	28.28	130.71	4,426.5	-1,320.9	1,535.3	2,025.3	0.00	0.00	0.00
4,960.0	28.28	130.71	4,461.8	-1,333.2	1,549.7	2,044.2	0.00	0.00	0.00
5,000.0	28.28	130.71	4,497.0	-1,345.6	1,564.0	2,063.2	0.00	0.00	0.00
5,040.0	28.28	130.71	4,532.2	-1,358.0	1,578.4	2,082.1	0.00	0.00	0.00
5,080.0	28.28	130.71	4,567.4	-1,370.3	1,592.8	2,101.1	0.00	0.00	0.00
5,120.0	28.28	130.71	4,602.7	-1,382.7	1,607.1	2,120.1	0.00	0.00	0.00
5,160.0	28.28	130.71	4,637.9	-1,395.0	1,621.5	2,139.0	0.00	0.00	0.00
5,200.0	28.28	130.71	4,673.1	-1,407.4	1,635.9	2,158.0	0.00	0.00	0.00
5,240.0	28.28	130.71	4,708.3	-1,419.8	1,650.2	2,176.9	0.00	0.00	0.00
5,280.0	28.28	130.71	4,743.6	-1,432.1	1,664.6	2,195.9	0.00	0.00	0.00
5,320.0	28.28	130.71	4,778.8	-1,444.5	1,679.0	2,214.8	0.00	0.00	0.00
5,360.0	28.28	130.71	4,814.0	-1,456.8	1,693.3	2,233.8	0.00	0.00	0.00
5,400.0	28.28	130.71	4,849.2	-1,469.2	1,707.7	2,252.7	0.00	0.00	0.00
5,440.0	28.28	130.71	4,884.5	-1,481.6	1,722.1	2,271.7	0.00	0.00	0.00
5,480.0	28.28	130.71	4,919.7	-1,493.9	1,736.4	2,290.6	0.00	0.00	0.00
5,520.0	28.28	130.71	4,954.9	-1,506.3	1,750.8	2,309.6	0.00	0.00	0.00
5,560.0	28.28	130.71	4,990.1	-1,518.6	1,765.2	2,328.5	0.00	0.00	0.00
5,600.0	28.28	130.71	5,025.4	-1,531.0	1,779.5	2,347.5	0.00	0.00	0.00
5,640.0	28.28	130.71	5,060.6	-1,543.4	1,793.9	2,366.4	0.00	0.00	0.00
5,680.0	28.28	130.71	5,095.8	-1,555.7	1,808.3	2,385.4	0.00	0.00	0.00
5,720.0	28.28	130.71	5,131.0	-1,568.1	1,822.6	2,404.3	0.00	0.00	0.00
5,760.0	28.28	130.71	5,166.3	-1,580.5	1,837.0	2,423.3	0.00	0.00	0.00
5,800.0	28.28	130.71	5,201.5	-1,592.8	1,851.4	2,442.3	0.00	0.00	0.00
5,840.0	28.28	130.71	5,236.7	-1,605.2	1,865.7	2,461.2	0.00	0.00	0.00
5,880.0	28.28	130.71	5,271.9	-1,617.5	1,880.1	2,480.2	0.00	0.00	0.00
5,920.0	28.28	130.71	5,307.2	-1,629.9	1,894.5	2,499.1	0.00	0.00	0.00
5,960.0	28.28	130.71	5,342.4	-1,642.3	1,908.8	2,518.1	0.00	0.00	0.00
6,000.0	28.28	130.71	5,377.6	-1,654.6	1,923.2	2,537.0	0.00	0.00	0.00
6,040.0	28.28	130.71	5,412.8	-1,667.0	1,937.6	2,556.0	0.00	0.00	0.00
6,080.0	28.28	130.71	5,448.1	-1,679.3	1,951.9	2,574.9	0.00	0.00	0.00
6,120.0	28.28	130.71	5,483.3	-1,691.7	1,966.3	2,593.9	0.00	0.00	0.00
6,160.0	28.28	130.71	5,518.5	-1,704.1	1,980.7	2,612.8	0.00	0.00	0.00
6,200.0	28.28	130.71	5,553.7	-1,716.4	1,995.0	2,631.8	0.00	0.00	0.00
6,240.0	28.28	130.71	5,589.0	-1,728.8	2,009.4	2,650.7	0.00	0.00	0.00
6,280.0	28.28	130.71	5,624.2	-1,741.1	2,023.8	2,669.7	0.00	0.00	0.00
6,320.0	28.28	130.71	5,659.4	-1,753.5	2,038.1	2,688.6	0.00	0.00	0.00
6,360.0	28.28	130.71	5,694.6	-1,765.9	2,052.5	2,707.6	0.00	0.00	0.00

<b>Database:</b>	EDM den0-adp01 Server Data	<b>Local Co-ordinate Reference:</b>	Well BALLFIELD Y6 7-7-31
<b>Company:</b>	Mineral Resources Inc	<b>TVD Reference:</b>	WELL @ 4673.0ft (Original Well Elev)
<b>Project:</b>	SEC.31-T5N-R65W	<b>MD Reference:</b>	WELL @ 4673.0ft (Original Well Elev)
<b>Site:</b>	PAD Y SEC.31-T5N-R65W	<b>North Reference:</b>	True
<b>Well:</b>	BALLFIELD Y6 7-7-31	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #4 (3-29-10)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,400.0	28.28	130.71	5,729.9	-1,778.2	2,066.9	2,726.5	0.00	0.00	0.00
6,440.0	28.28	130.71	5,765.1	-1,790.6	2,081.2	2,745.5	0.00	0.00	0.00
6,480.0	28.28	130.71	5,800.3	-1,802.9	2,095.6	2,764.5	0.00	0.00	0.00
6,520.0	28.28	130.71	5,835.5	-1,815.3	2,110.0	2,783.4	0.00	0.00	0.00
6,560.0	28.28	130.71	5,870.8	-1,827.7	2,124.3	2,802.4	0.00	0.00	0.00
6,600.0	28.28	130.71	5,906.0	-1,840.0	2,138.7	2,821.3	0.00	0.00	0.00
6,640.0	28.28	130.71	5,941.2	-1,852.4	2,153.1	2,840.3	0.00	0.00	0.00
6,680.0	28.28	130.71	5,976.4	-1,864.8	2,167.4	2,859.2	0.00	0.00	0.00
6,720.0	28.28	130.71	6,011.7	-1,877.1	2,181.8	2,878.2	0.00	0.00	0.00
6,760.0	28.28	130.71	6,046.9	-1,889.5	2,196.2	2,897.1	0.00	0.00	0.00
6,800.0	28.28	130.71	6,082.1	-1,901.8	2,210.6	2,916.1	0.00	0.00	0.00
6,802.2	28.28	130.71	6,084.1	-1,902.5	2,211.3	2,917.1	0.00	0.00	0.00
6,840.0	27.53	130.71	6,117.5	-1,914.1	2,224.8	2,934.8	2.00	-2.00	0.00
6,880.0	26.73	130.71	6,153.1	-1,925.9	2,238.6	2,953.0	2.00	-2.00	0.00
6,920.0	25.93	130.71	6,188.9	-1,937.5	2,252.0	2,970.8	2.00	-2.00	0.00
6,960.0	25.13	130.71	6,225.0	-1,948.8	2,265.1	2,988.0	2.00	-2.00	0.00
7,000.0	24.33	130.71	6,261.3	-1,959.7	2,277.8	3,004.8	2.00	-2.00	0.00
7,040.0	23.53	130.71	6,297.9	-1,970.2	2,290.1	3,021.0	2.00	-2.00	0.00
7,080.0	22.73	130.71	6,334.7	-1,980.5	2,302.0	3,036.7	2.00	-2.00	0.00
7,120.0	21.93	130.71	6,371.7	-1,990.4	2,313.5	3,051.9	2.00	-2.00	0.00
7,160.0	21.13	130.71	6,408.9	-2,000.0	2,324.6	3,066.6	2.00	-2.00	0.00
7,200.0	20.33	130.71	6,446.3	-2,009.2	2,335.4	3,080.7	2.00	-2.00	0.00
7,240.0	19.53	130.71	6,483.9	-2,018.1	2,345.7	3,094.4	2.00	-2.00	0.00
7,280.0	18.73	130.71	6,521.7	-2,026.7	2,355.6	3,107.5	2.00	-2.00	0.00
7,320.0	17.93	130.71	6,559.7	-2,034.9	2,365.2	3,120.0	2.00	-2.00	0.00
7,360.0	17.13	130.71	6,597.8	-2,042.7	2,374.3	3,132.1	2.00	-2.00	0.00
7,400.0	16.33	130.71	6,636.1	-2,050.2	2,383.0	3,143.6	2.00	-2.00	0.00
7,440.0	15.53	130.71	6,674.6	-2,057.4	2,391.3	3,154.6	2.00	-2.00	0.00
7,466.3	15.00	130.71	6,700.0	-2,061.9	2,396.6	3,161.5	2.00	-2.00	0.00
<b>DRILL TARGET BALLFIELD Y6 733'FSL, 646'FEL</b>									
7,480.0	15.00	130.71	6,713.2	-2,064.2	2,399.3	3,165.0	0.00	0.00	0.00
7,485.6	15.00	130.71	6,718.6	-2,065.1	2,400.4	3,166.5	0.00	0.00	0.00
<b>PERMIT TARGET BHL 733'FSL, 548'FEL</b>									
7,518.1	15.00	130.71	6,750.0	-2,070.6	2,406.8	3,174.9	0.00	0.00	0.00
<b>NIOBRARA</b>									
7,520.0	15.00	130.71	6,751.8	-2,071.0	2,407.1	3,175.4	0.00	0.00	0.00
7,560.0	15.00	130.71	6,790.5	-2,077.7	2,415.0	3,185.7	0.00	0.00	0.00
7,600.0	15.00	130.71	6,829.1	-2,084.5	2,422.8	3,196.1	0.00	0.00	0.00
7,640.0	15.00	130.71	6,867.7	-2,091.2	2,430.7	3,206.5	0.00	0.00	0.00
7,680.0	15.00	130.71	6,906.4	-2,098.0	2,438.5	3,216.8	0.00	0.00	0.00
7,720.0	15.00	130.71	6,945.0	-2,104.7	2,446.4	3,227.2	0.00	0.00	0.00
7,760.0	15.00	130.71	6,983.6	-2,111.5	2,454.2	3,237.5	0.00	0.00	0.00
7,800.0	15.00	130.71	7,022.3	-2,118.2	2,462.1	3,247.9	0.00	0.00	0.00
7,840.0	15.00	130.71	7,060.9	-2,125.0	2,469.9	3,258.2	0.00	0.00	0.00
7,880.0	15.00	130.71	7,099.6	-2,131.7	2,477.8	3,268.6	0.00	0.00	0.00
7,896.0	15.00	130.71	7,115.0	-2,134.4	2,480.9	3,272.7	0.00	0.00	0.00
<b>CODELL</b>									
7,920.0	15.00	130.71	7,138.2	-2,138.5	2,485.6	3,278.9	0.00	0.00	0.00
7,960.0	15.00	130.71	7,176.8	-2,145.2	2,493.5	3,289.3	0.00	0.00	0.00
8,000.0	15.00	130.71	7,215.5	-2,152.0	2,501.3	3,299.6	0.00	0.00	0.00
8,022.5	15.00	130.71	7,237.2	-2,155.8	2,505.7	3,305.4	0.00	0.00	0.00
<b>LEGAL WINDOW 400' X 400' 660'FSL, 656'FEL</b>									
8,040.0	15.00	130.71	7,254.1	-2,158.7	2,509.2	3,310.0	0.00	0.00	0.00



<b>Database:</b>	EDM den0-adp01 Server Data	<b>Local Co-ordinate Reference:</b>	Well BALLFIELD Y6 7-7-31
<b>Company:</b>	Mineral Resources Inc	<b>TVD Reference:</b>	WELL @ 4673.0ft (Original Well Elev)
<b>Project:</b>	SEC.31-T5N-R65W	<b>MD Reference:</b>	WELL @ 4673.0ft (Original Well Elev)
<b>Site:</b>	PAD Y SEC.31-T5N-R65W	<b>North Reference:</b>	True
<b>Well:</b>	BALLFIELD Y6 7-7-31	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #4 (3-29-10)		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
8,051.3	15.00	130.71	7,265.0	-2,160.6	2,511.4	3,312.9	0.00	0.00	0.00	

Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude	
- hit/miss target										
- Shape										
PERMIT TARGET BH	0.00	0.00	6,700.0	-2,061.9	2,494.6	1,371,536.62	3,223,305.18	40° 21' 1.800 N	104° 41' 55.644 W	
- plan misses target center by 96.1ft at 7485.6ft MD (6718.6 TVD, -2065.1 N, 2400.4 E)										
- Point										
LEGAL WINDOW 40C	0.00	0.00	7,265.0	-2,134.9	2,386.6	1,371,462.62	3,223,197.84	40° 21' 1.078 N	104° 41' 57.039 W	
- plan misses target center by 124.1ft at 8022.5ft MD (7237.2 TVD, -2155.8 N, 2505.7 E)										
- Rectangle (sides W400.0 H400.0 D0.0)										
DRILL TARGET BALL	0.00	0.00	6,700.0	-2,061.9	2,396.6	1,371,535.70	3,223,207.19	40° 21' 1.800 N	104° 41' 56.910 W	
- plan hits target center										
- Point										

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
7,518.1	6,750.0	NIOBRARA		0.00		
7,896.0	7,115.0	CODELL		0.00		
	7,515.0	J SAND		0.00		





# **Mineral Resources Inc**

**SEC.31-T5N-R65W**

**PAD Y SEC.31-T5N-R65W**

**BALLFIELD Y6 7-7-31**

**Wellbore #1**

**Plan #4 (3-29-10)**

## **Anticollision Report**

**05 April, 2010**

<b>Company:</b>	Mineral Resources Inc	<b>Local Co-ordinate Reference:</b>	Well BALLFIELD Y6 7-7-31
<b>Project:</b>	SEC.31-T5N-R65W	<b>TVD Reference:</b>	WELL @ 4673.0ft (Original Well Elev)
<b>Reference Site:</b>	PAD Y SEC.31-T5N-R65W	<b>MD Reference:</b>	WELL @ 4673.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	BALLFIELD Y6 7-7-31	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM den0-adp01 Server Data
<b>Reference Design:</b>	Plan #4 (3-29-10)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	Plan #4 (3-29-10)		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	MD Interval 100.0ft	<b>Error Model:</b>	ISCSWA
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum center-center distance of 2,000.0ft	<b>Error Surface:</b>	Elliptical Conic
<b>Warning Levels Evaluated at:</b>	2.00 Sigma		

Survey Tool Program		Date	4/5/2010		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.0	8,051.3	Plan #4 (3-29-10) (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
PAD Y SEC.31-T5N-R65W						
FARMERS Y7 6-6-31 - Wellbore #1 - Plan #4 (3-29-10)	388.0	387.8	14.6	13.1	9.783	CC
FARMERS Y7 6-6-31 - Wellbore #1 - Plan #4 (3-29-10)	400.0	399.8	14.6	13.1	9.478	ES, SF
LASALLE PARK Y5 5-5-31 - Wellbore #1 - Wellbore #1	0.0	0.0	239.5			
LASALLE PARK Y5 5-5-31 - Wellbore #1 - Wellbore #1	5,300.0	5,321.7	1,034.6	1,000.8	30.658	SF
PAD Z SEC.31-T5N-R65W						
GODFREY Z5 4-4-31 - Wellbore #1 - Plan #4 (3-29-10)	200.0	200.0	33.9	33.3	50.340	CC
GODFREY Z5 4-4-31 - Wellbore #1 - Plan #4 (3-29-10)	300.0	300.0	34.3	33.1	30.757	ES
GODFREY Z5 4-4-31 - Wellbore #1 - Plan #4 (3-29-10)	500.0	499.0	45.2	43.1	22.192	SF
LATHAM Z6 6-4-31 - Wellbore #1 - Plan #4 (3-29-10)	200.0	200.0	15.7	15.0	23.318	CC
LATHAM Z6 6-4-31 - Wellbore #1 - Plan #4 (3-29-10)	300.0	300.0	16.0	14.9	14.383	ES
LATHAM Z6 6-4-31 - Wellbore #1 - Plan #4 (3-29-10)	400.0	399.8	19.3	17.8	12.446	SF

PAD Y SEC.31-T5N-R65W - FARMERS Y7 6-6-31 - Wellbore #1 - Plan #4 (3-29-10)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	62.40	7.3	13.9	15.7	15.7	0.00	N/A		
100.0	100.0	100.0	100.0	0.1	0.1	62.40	7.3	13.9	15.7	15.5	0.22	69.962		
200.0	200.0	200.0	200.0	0.3	0.3	62.40	7.3	13.9	15.7	15.1	0.67	23.321		
300.0	300.0	300.0	300.0	0.6	0.6	-70.95	7.3	13.9	15.5	14.3	1.11	13.883		
388.0	387.8	387.8	387.8	0.7	0.8	-90.00	7.3	13.9	14.6	13.1	1.49	9.783 CC		
400.0	399.8	399.8	399.8	0.8	0.8	-94.12	7.3	13.9	14.6	13.1	1.55	9.478 ES, SF		
500.0	499.0	499.0	499.0	1.0	1.0	-131.85	7.3	13.9	19.7	17.7	2.03	9.690		
600.0	597.3	597.3	597.3	1.4	1.2	-154.58	7.3	13.9	34.7	32.2	2.52	13.745		
700.0	694.4	696.1	696.1	1.8	1.4	-164.32	6.3	15.2	56.0	53.1	2.97	18.838		
800.0	789.7	795.2	795.0	2.4	1.6	-168.81	3.3	19.3	80.7	77.3	3.41	23.678		
900.0	883.1	894.4	893.9	3.1	1.8	-171.25	-1.7	26.1	108.2	104.3	3.86	28.030		
1,000.0	974.0	993.9	992.6	4.0	2.1	-172.71	-8.7	35.7	138.3	134.0	4.33	31.937		
1,100.0	1,062.6	1,093.8	1,091.4	4.9	2.4	-173.67	-17.9	48.1	170.5	165.7	4.84	35.245		
1,200.0	1,150.6	1,195.7	1,191.4	5.9	2.7	-174.24	-29.3	63.6	200.5	195.1	5.40	37.125		
1,300.0	1,238.7	1,299.8	1,292.8	6.9	3.1	-174.50	-43.1	82.4	227.0	221.0	6.00	37.854		
1,400.0	1,326.8	1,405.8	1,395.2	7.9	3.6	-174.56	-59.5	104.6	250.0	243.4	6.63	37.707		

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

<b>Company:</b>	Mineral Resources Inc	<b>Local Co-ordinate Reference:</b>	Well BALLFIELD Y6 7-7-31
<b>Project:</b>	SEC.31-T5N-R65W	<b>TVD Reference:</b>	WELL @ 4673.0ft (Original Well Elev)
<b>Reference Site:</b>	PAD Y SEC.31-T5N-R65W	<b>MD Reference:</b>	WELL @ 4673.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	BALLFIELD Y6 7-7-31	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM den0-adp01 Server Data
<b>Reference Design:</b>	Plan #4 (3-29-10)	<b>Offset TVD Reference:</b>	Offset Datum

PAD Y SEC.31-T5N-R65W - FARMERS Y7 6-6-31 - Wellbore #1 - Plan #4 (3-29-10)												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)		
1,500.0	1,414.8	1,513.5	1,498.1	8.9	4.2	-174.47	-78.3	130.2	269.5	262.2	7.30	36.899	
1,600.0	1,502.9	1,622.7	1,601.1	10.0	4.9	-174.25	-99.8	159.4	285.2	277.2	8.01	35.613	
1,700.0	1,590.9	1,726.6	1,698.0	11.0	5.6	-173.95	-122.0	189.6	297.9	289.2	8.73	34.128	
1,800.0	1,679.0	1,825.8	1,790.3	12.0	6.3	-173.68	-143.5	218.8	310.2	300.7	9.46	32.777	
1,900.0	1,767.1	1,925.0	1,882.7	13.0	7.1	-173.43	-165.0	247.9	322.5	312.3	10.21	31.598	
2,000.0	1,855.1	2,024.2	1,975.1	14.1	7.8	-173.19	-186.4	277.1	334.8	323.9	10.96	30.555	
2,100.0	1,943.2	2,123.5	2,067.5	15.1	8.5	-172.98	-207.9	306.2	347.2	335.5	11.72	29.626	
2,200.0	2,031.3	2,222.7	2,159.9	16.1	9.3	-172.77	-229.3	335.4	359.5	347.0	12.48	28.795	
2,300.0	2,119.3	2,321.9	2,252.3	17.1	10.0	-172.59	-250.8	364.5	371.8	358.6	13.26	28.048	
2,400.0	2,207.4	2,421.2	2,344.7	18.2	10.8	-172.41	-272.3	393.7	384.2	370.1	14.03	27.374	
2,500.0	2,295.4	2,520.4	2,437.1	19.2	11.6	-172.24	-293.7	422.8	396.5	381.7	14.82	26.762	
2,600.0	2,383.5	2,619.6	2,529.5	20.2	12.3	-172.09	-315.2	452.0	408.9	393.3	15.60	26.205	
2,700.0	2,471.6	2,718.8	2,621.9	21.2	13.1	-171.94	-336.7	481.1	421.2	404.8	16.39	25.696	
2,800.0	2,559.6	2,818.1	2,714.2	22.3	13.9	-171.80	-358.1	510.3	433.6	416.4	17.19	25.230	
2,900.0	2,647.7	2,917.3	2,806.6	23.3	14.6	-171.67	-379.6	539.5	445.9	427.9	17.98	24.800	
3,000.0	2,735.8	3,016.5	2,899.0	24.3	15.4	-171.55	-401.0	568.6	458.3	439.5	18.78	24.404	
3,100.0	2,823.8	3,115.8	2,991.4	25.4	16.2	-171.43	-422.5	597.8	470.6	451.1	19.58	24.037	
3,200.0	2,911.9	3,215.0	3,083.8	26.4	16.9	-171.32	-444.0	626.9	483.0	462.6	20.38	23.697	
3,300.0	2,999.9	3,314.2	3,176.2	27.4	17.7	-171.22	-465.4	656.1	495.4	474.2	21.19	23.380	
3,400.0	3,088.0	3,413.5	3,268.6	28.5	18.5	-171.12	-486.9	685.2	507.7	485.7	21.99	23.085	
3,500.0	3,176.1	3,512.7	3,361.0	29.5	19.2	-171.02	-508.3	714.4	520.1	497.3	22.80	22.808	
3,600.0	3,264.1	3,611.9	3,453.4	30.5	20.0	-170.93	-529.8	743.5	532.5	508.8	23.61	22.550	
3,700.0	3,352.2	3,711.1	3,545.8	31.5	20.8	-170.84	-551.3	772.7	544.8	520.4	24.42	22.307	
3,800.0	3,440.3	3,810.4	3,638.1	32.6	21.5	-170.76	-572.7	801.8	557.2	532.0	25.24	22.079	
3,900.0	3,528.3	3,909.6	3,730.5	33.6	22.3	-170.68	-594.2	831.0	569.6	543.5	26.05	21.864	
4,000.0	3,616.4	4,008.8	3,822.9	34.6	23.1	-170.60	-615.7	860.1	581.9	555.1	26.87	21.661	
4,100.0	3,704.4	4,108.1	3,915.3	35.7	23.9	-170.53	-637.1	889.3	594.3	566.6	27.68	21.469	
4,200.0	3,792.5	4,207.3	4,007.7	36.7	24.6	-170.46	-658.6	918.4	606.7	578.2	28.50	21.287	
4,300.0	3,880.6	4,306.5	4,100.1	37.7	25.4	-170.39	-680.0	947.6	619.1	589.7	29.32	21.115	
4,400.0	3,968.6	4,405.7	4,192.5	38.8	26.2	-170.33	-701.5	976.8	631.4	601.3	30.14	20.952	
4,500.0	4,056.7	4,505.0	4,284.9	39.8	27.0	-170.27	-723.0	1,005.9	643.8	612.9	30.96	20.797	
4,600.0	4,144.7	4,604.2	4,377.3	40.8	27.7	-170.21	-744.4	1,035.1	656.2	624.4	31.78	20.649	
4,700.0	4,232.8	4,703.4	4,469.6	41.8	28.5	-170.15	-765.9	1,064.2	668.6	636.0	32.60	20.508	
4,800.0	4,320.9	4,802.7	4,562.0	42.9	29.3	-170.10	-787.3	1,093.4	680.9	647.5	33.42	20.374	
4,900.0	4,408.9	4,901.9	4,654.4	43.9	30.1	-170.04	-808.8	1,122.5	693.3	659.1	34.24	20.246	
5,000.0	4,497.0	5,001.1	4,746.8	44.9	30.8	-169.99	-830.3	1,151.7	705.7	670.6	35.07	20.124	
5,100.0	4,585.1	5,100.3	4,839.2	46.0	31.6	-169.94	-851.7	1,180.8	718.1	682.2	35.89	20.006	
5,200.0	4,673.1	5,199.6	4,931.6	47.0	32.4	-169.89	-873.2	1,210.0	730.5	693.7	36.72	19.894	
5,300.0	4,761.2	5,298.8	5,024.0	48.0	33.1	-169.85	-894.7	1,239.1	742.8	705.3	37.54	19.787	
5,400.0	4,849.2	5,398.0	5,116.4	49.1	33.9	-169.80	-916.1	1,268.3	755.2	716.8	38.37	19.684	
5,500.0	4,937.3	5,497.3	5,208.8	50.1	34.7	-169.76	-937.6	1,297.4	767.6	728.4	39.19	19.585	
5,600.0	5,025.4	5,596.5	5,301.2	51.1	35.5	-169.72	-959.0	1,326.6	780.0	740.0	40.02	19.489	
5,700.0	5,113.4	5,695.7	5,393.5	52.2	36.2	-169.67	-980.5	1,355.7	792.4	751.5	40.85	19.398	
5,800.0	5,201.5	5,794.9	5,485.9	53.2	37.0	-169.63	-1,002.0	1,384.9	804.7	763.1	41.68	19.310	
5,900.0	5,289.6	5,894.2	5,578.3	54.2	37.8	-169.60	-1,023.4	1,414.1	817.1	774.6	42.50	19.225	
6,000.0	5,377.6	5,993.4	5,670.7	55.2	38.6	-169.56	-1,044.9	1,443.2	829.5	786.2	43.33	19.143	
6,100.0	5,465.7	6,092.6	5,763.1	56.3	39.3	-169.52	-1,066.3	1,472.4	841.9	797.7	44.16	19.064	
6,200.0	5,553.7	6,191.9	5,855.5	57.3	40.1	-169.49	-1,087.8	1,501.5	854.3	809.3	44.99	18.988	
6,300.0	5,641.8	6,291.1	5,947.9	58.3	40.9	-169.45	-1,109.3	1,530.7	866.7	820.8	45.82	18.915	
6,400.0	5,729.9	6,390.3	6,040.3	59.4	41.7	-169.42	-1,130.7	1,559.8	879.0	832.4	46.65	18.844	
6,500.0	5,817.9	6,489.5	6,132.7	60.4	42.4	-169.39	-1,152.2	1,589.0	891.4	843.9	47.48	18.775	
6,600.0	5,906.0	6,570.5	6,208.3	61.4	43.0	-169.37	-1,169.4	1,612.3	904.6	856.4	48.21	18.763	

<b>Company:</b>	Mineral Resources Inc	<b>Local Co-ordinate Reference:</b>	Well BALLFIELD Y6 7-7-31
<b>Project:</b>	SEC.31-T5N-R65W	<b>TVD Reference:</b>	WELL @ 4673.0ft (Original Well Elev)
<b>Reference Site:</b>	PAD Y SEC.31-T5N-R65W	<b>MD Reference:</b>	WELL @ 4673.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	BALLFIELD Y6 7-7-31	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM den0-adp01 Server Data
<b>Reference Design:</b>	Plan #4 (3-29-10)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design      PAD Y SEC.31-T5N-R65W - FARMERS Y7 6-6-31 - Wellbore #1 - Plan #4 (3-29-10)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
6,700.0	5,994.1	6,646.0	6,279.5	62.5	43.5	-169.39	-1,184.3	1,632.5	920.3	871.4	48.88	18.825		
6,800.0	6,082.1	6,720.8	6,350.6	63.5	43.8	-169.44	-1,197.9	1,651.1	938.4	888.9	49.52	18.951		
6,900.0	6,170.9	6,800.0	6,426.6	64.4	44.2	-169.57	-1,211.2	1,669.1	957.4	907.3	50.17	19.084		
7,000.0	6,261.3	6,869.3	6,493.5	65.1	44.5	-169.69	-1,221.7	1,683.5	975.5	924.8	50.71	19.238		
7,100.0	6,353.2	6,943.2	6,565.4	65.8	44.8	-169.81	-1,232.0	1,697.3	992.7	941.6	51.18	19.396		
7,200.0	6,446.3	7,016.9	6,637.5	66.4	45.1	-169.93	-1,241.1	1,709.7	1,009.0	957.4	51.58	19.561		
7,300.0	6,540.7	7,093.8	6,713.1	67.0	45.3	-170.04	-1,249.4	1,721.0	1,024.3	972.4	51.91	19.732		
7,400.0	6,636.1	7,193.0	6,810.8	67.5	45.7	-170.13	-1,259.6	1,734.9	1,037.2	984.9	52.25	19.850		
7,500.0	6,732.5	7,292.5	6,908.8	67.9	46.1	-170.17	-1,269.8	1,748.8	1,046.8	994.1	52.63	19.890		
7,600.0	6,829.1	7,392.1	7,006.9	68.5	46.5	-170.19	-1,280.1	1,762.7	1,055.6	1,002.5	53.16	19.860		
7,700.0	6,925.7	7,491.8	7,105.0	69.0	46.8	-170.20	-1,290.3	1,776.6	1,064.5	1,010.8	53.68	19.829		
7,800.0	7,022.3	7,591.4	7,203.1	69.6	47.2	-170.21	-1,300.6	1,790.6	1,073.4	1,019.1	54.21	19.799		
7,900.0	7,118.9	7,691.0	7,301.2	70.1	47.6	-170.22	-1,310.9	1,804.5	1,082.2	1,027.5	54.74	19.769		
8,000.0	7,215.5	7,790.6	7,399.3	70.7	48.0	-170.23	-1,321.1	1,818.4	1,091.1	1,035.8	55.27	19.740		
8,051.6	7,265.3	7,842.0	7,449.9	70.9	48.2	-170.23	-1,326.4	1,825.6	1,095.7	1,040.1	55.55	19.725		

<b>Company:</b>	Mineral Resources Inc	<b>Local Co-ordinate Reference:</b>	Well BALLFIELD Y6 7-7-31
<b>Project:</b>	SEC.31-T5N-R65W	<b>TVD Reference:</b>	WELL @ 4673.0ft (Original Well Elev)
<b>Reference Site:</b>	PAD Y SEC.31-T5N-R65W	<b>MD Reference:</b>	WELL @ 4673.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	BALLFIELD Y6 7-7-31	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM den0-adp01 Server Data
<b>Reference Design:</b>	Plan #4 (3-29-10)	<b>Offset TVD Reference:</b>	Offset Datum

PAD Y SEC.31-T5N-R65W - LASALLE PARK Y5 5-5-31 - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 ft
Survey Program: 495-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	-111.41	-87.4	-223.0	239.5					
100.0	100.0	98.4	98.4	0.1	0.1	-111.39	-87.5	-223.3	239.8	239.6	0.23	1,061.341		
200.0	200.0	196.8	196.7	0.3	0.2	-111.34	-87.6	-224.3	240.8	240.3	0.56	426.936		
300.0	300.0	295.1	295.1	0.6	0.3	118.17	-87.9	-226.0	242.9	242.0	0.89	273.712		
400.0	399.8	393.1	393.1	0.8	0.5	119.35	-88.2	-228.4	248.2	247.0	1.22	204.237		
500.0	499.0	490.3	490.2	1.0	0.6	121.51	-88.6	-231.4	257.5	255.9	1.61	160.381		
600.0	597.3	586.3	586.1	1.4	0.8	124.33	-89.5	-234.9	271.3	269.2	2.16	125.444		
700.0	694.4	689.2	688.9	1.8	1.0	127.66	-91.9	-237.6	288.9	286.1	2.76	104.706		
800.0	789.7	790.1	789.7	2.4	1.2	130.74	-96.9	-237.9	309.5	306.1	3.41	90.712		
900.0	883.1	893.0	892.4	3.1	1.4	134.08	-102.6	-235.8	333.1	329.0	4.12	80.935		
1,000.0	974.0	991.8	991.1	4.0	1.6	137.63	-106.5	-232.0	360.4	355.5	4.84	74.482		
1,100.0	1,062.6	1,085.8	1,084.9	4.9	1.8	141.38	-109.2	-227.0	392.1	386.5	5.56	70.533		
1,200.0	1,150.6	1,174.4	1,173.3	5.9	2.0	144.86	-111.7	-222.4	426.3	420.1	6.24	68.369		
1,300.0	1,238.7	1,265.0	1,263.8	6.9	2.2	147.89	-114.4	-217.9	462.1	455.2	6.88	67.156		
1,400.0	1,326.8	1,357.1	1,355.7	7.9	2.4	150.56	-117.0	-213.3	498.8	491.3	7.49	66.605		
1,500.0	1,414.8	1,456.6	1,455.0	8.9	2.6	152.97	-120.8	-207.4	535.4	527.3	8.08	66.273		
1,600.0	1,502.9	1,566.1	1,564.0	10.0	2.9	155.01	-127.7	-199.6	570.8	562.1	8.68	65.741		
1,700.0	1,590.9	1,694.9	1,691.4	11.0	3.3	156.92	-139.5	-184.7	601.8	592.5	9.31	64.670		
1,800.0	1,679.0	1,817.5	1,811.6	12.0	3.7	158.55	-152.3	-164.5	628.3	618.4	9.93	63.264		
1,900.0	1,767.1	1,943.3	1,933.8	13.0	4.2	159.99	-168.1	-138.9	650.7	640.1	10.59	61.456		
2,000.0	1,855.1	2,070.3	2,055.6	14.1	4.8	161.24	-186.8	-108.4	669.1	657.9	11.27	59.385		
2,100.0	1,943.2	2,172.1	2,152.4	15.1	5.3	162.19	-202.8	-81.3	684.9	672.9	11.91	57.496		
2,200.0	2,031.3	2,271.3	2,246.7	16.1	5.9	162.96	-219.7	-55.5	700.8	688.2	12.57	55.740		
2,300.0	2,119.3	2,396.2	2,364.5	17.1	6.6	163.77	-243.1	-21.4	714.8	701.5	13.31	53.725		
2,400.0	2,207.4	2,508.0	2,469.0	18.2	7.4	164.50	-264.9	11.8	726.4	712.4	14.01	51.831		
2,500.0	2,295.4	2,623.1	2,575.7	19.2	8.2	165.15	-288.9	47.7	736.0	721.2	14.75	49.893		
2,600.0	2,383.5	2,738.0	2,681.3	20.2	9.1	165.69	-315.0	84.9	743.5	728.0	15.51	47.933		
2,700.0	2,471.6	2,835.5	2,770.5	21.2	9.8	166.20	-336.8	117.8	750.1	733.9	16.20	46.294		
2,800.0	2,559.6	2,927.5	2,854.9	22.3	10.4	166.69	-356.9	148.3	757.5	740.7	16.87	44.907		
2,900.0	2,647.7	3,027.7	2,947.0	23.3	11.2	167.12	-379.7	180.5	765.5	747.9	17.58	43.548		
3,000.0	2,735.8	3,124.0	3,035.5	24.3	11.9	167.50	-401.8	211.2	773.6	755.3	18.28	42.324		
3,100.0	2,823.8	3,226.0	3,129.3	25.4	12.6	167.93	-424.8	244.0	781.8	762.8	18.98	41.184		
3,200.0	2,911.9	3,314.0	3,210.4	26.4	13.3	168.32	-444.2	272.2	790.3	770.6	19.64	40.232		
3,300.0	2,999.9	3,408.0	3,297.4	27.4	13.9	168.76	-464.2	301.7	800.0	779.7	20.30	39.410		
3,400.0	3,088.0	3,502.0	3,384.8	28.5	14.6	169.14	-484.2	329.9	810.9	789.9	20.97	38.674		
3,500.0	3,176.1	3,585.4	3,462.7	29.5	15.2	169.42	-502.1	353.8	823.0	801.4	21.62	38.076		
3,600.0	3,264.1	3,675.8	3,547.5	30.5	15.8	169.70	-521.1	378.6	836.5	814.2	22.28	37.539		
3,700.0	3,352.2	3,800.6	3,664.1	31.5	16.6	169.94	-549.6	412.7	849.2	826.1	23.08	36.793		
3,800.0	3,440.3	3,922.7	3,776.8	32.6	17.6	170.23	-578.5	449.7	858.6	834.7	23.87	35.967		
3,900.0	3,528.3	4,032.5	3,877.4	33.6	18.5	170.53	-604.7	485.0	866.3	841.7	24.62	35.186		
4,000.0	3,616.4	4,125.5	3,962.6	34.6	19.2	170.88	-625.8	515.9	873.6	848.3	25.29	34.542		
4,100.0	3,704.4	4,209.8	4,040.2	35.7	19.8	171.28	-643.3	543.6	882.4	856.5	25.91	34.058		
4,200.0	3,792.5	4,298.6	4,122.6	36.7	20.5	171.69	-661.0	571.7	892.9	866.4	26.53	33.652		
4,300.0	3,880.6	4,393.6	4,211.0	37.7	21.1	172.05	-680.7	600.6	904.1	876.9	27.19	33.249		
4,400.0	3,968.6	4,494.8	4,305.1	38.8	21.9	172.38	-701.9	630.8	915.6	887.8	27.87	32.850		
4,500.0	4,056.7	4,602.3	4,404.9	39.8	22.7	172.80	-723.8	664.3	926.4	897.9	28.56	32.439		
4,600.0	4,144.7	4,702.2	4,497.4	40.8	23.4	173.23	-743.8	696.2	936.7	907.5	29.22	32.058		
4,700.0	4,232.8	4,789.2	4,578.3	41.8	24.0	173.61	-760.8	723.7	947.7	917.8	29.85	31.753		
4,800.0	4,320.9	4,877.1	4,660.3	42.9	24.7	174.01	-777.0	750.8	960.1	929.6	30.47	31.509		
4,900.0	4,408.9	4,958.9	4,737.0	43.9	25.2	174.30	-792.6	774.5	973.7	942.6	31.09	31.319		
5,000.0	4,497.0	5,051.4	4,824.4	44.9	25.8	174.51	-810.7	799.0	989.2	957.5	31.76	31.151		
5,100.0	4,585.1	5,163.0	4,929.4	46.0	26.6	174.76	-833.2	829.3	1,003.8	971.3	32.48	30.905		

<b>Company:</b>	Mineral Resources Inc	<b>Local Co-ordinate Reference:</b>	Well BALLFIELD Y6 7-7-31
<b>Project:</b>	SEC.31-T5N-R65W	<b>TVD Reference:</b>	WELL @ 4673.0ft (Original Well Elev)
<b>Reference Site:</b>	PAD Y SEC.31-T5N-R65W	<b>MD Reference:</b>	WELL @ 4673.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	BALLFIELD Y6 7-7-31	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM den0-adp01 Server Data
<b>Reference Design:</b>	Plan #4 (3-29-10)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> PAD Y SEC.31-T5N-R65W - LASALLE PARK Y5 5-5-31 - Wellbore #1 - Wellbore #1												<b>Offset Site Error:</b>	0.0 ft
Survey Program: 495-MWD												<b>Offset Well Error:</b>	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.0	4,673.1	5,250.4	5,011.5	47.0	27.1	174.94	-851.1	853.1	1,018.2	985.1	33.14	30.725	
5,300.0	4,761.2	5,321.7	5,079.0	48.0	27.6	175.08	-864.9	871.4	1,034.6	1,000.8	33.75	30.658 SF	
5,400.0	4,849.2	5,382.0	5,136.7	49.1	27.9	175.20	-875.5	885.5	1,054.1	1,019.7	34.32	30.716	
5,500.0	4,937.3	5,464.8	5,216.4	50.1	28.4	175.35	-889.0	903.2	1,076.0	1,041.0	34.93	30.800	
5,600.0	5,025.4	5,540.9	5,290.1	51.1	28.8	175.49	-900.6	918.3	1,099.7	1,064.1	35.53	30.953	
5,700.0	5,113.4	5,611.1	5,358.4	52.2	29.1	175.64	-910.1	931.4	1,125.4	1,089.3	36.09	31.179	
5,800.0	5,201.5	5,677.7	5,423.6	53.2	29.4	175.80	-917.7	942.8	1,153.6	1,116.9	36.65	31.479	
5,900.0	5,289.6	5,758.0	5,502.6	54.2	29.7	175.98	-925.5	954.8	1,184.2	1,147.0	37.22	31.821	
6,000.0	5,377.6	5,812.9	5,556.8	55.2	29.8	176.11	-930.2	962.0	1,216.9	1,179.2	37.73	32.256	
6,100.0	5,465.7	5,882.3	5,625.6	56.3	30.0	176.27	-935.1	970.2	1,251.7	1,213.4	38.26	32.715	
6,200.0	5,553.7	5,946.0	5,688.8	57.3	30.2	176.40	-939.2	976.7	1,288.2	1,249.4	38.78	33.215	
6,300.0	5,641.8	6,013.9	5,756.3	58.3	30.4	176.52	-942.8	982.5	1,326.5	1,287.2	39.30	33.752	
6,400.0	5,729.9	6,082.1	5,824.3	59.4	30.5	176.64	-945.4	987.0	1,367.0	1,327.2	39.82	34.329	
6,500.0	5,817.9	6,134.0	5,876.1	60.4	30.6	176.73	-947.1	989.9	1,408.9	1,368.6	40.31	34.952	
6,600.0	5,906.0	6,204.4	5,946.5	61.4	30.7	176.82	-948.8	992.5	1,452.5	1,411.6	40.82	35.582	
6,700.0	5,994.1	6,259.2	6,001.2	62.5	30.8	176.88	-949.5	993.1	1,498.4	1,457.1	41.31	36.275	
6,800.0	6,082.1	6,322.0	6,064.0	63.5	30.8	176.91	-949.8	992.3	1,546.3	1,504.5	41.80	36.992	
6,900.0	6,170.9	6,414.0	6,156.0	64.4	30.9	177.01	-950.0	990.4	1,593.4	1,551.0	42.38	37.594	
7,000.0	6,261.3	6,507.9	6,249.9	65.1	30.9	177.11	-950.0	989.4	1,636.9	1,594.0	42.90	38.156	
7,100.0	6,353.2	6,609.2	6,351.2	65.8	31.0	177.23	-949.8	989.1	1,676.8	1,633.4	43.37	38.667	
7,200.0	6,446.3	6,711.9	6,453.9	66.4	31.1	177.35	-949.6	989.5	1,712.9	1,669.2	43.78	39.129	
7,300.0	6,540.7	6,806.5	6,548.5	67.0	31.2	177.46	-949.2	990.4	1,745.6	1,701.5	44.12	39.567	
7,400.0	6,636.1	6,901.5	6,643.5	67.5	31.3	177.56	-948.6	991.4	1,775.0	1,730.6	44.40	39.979	
7,500.0	6,732.5	7,006.5	6,748.5	67.9	31.4	177.66	-948.0	992.6	1,800.9	1,756.2	44.70	40.286	
7,600.0	6,829.1	7,109.2	6,851.2	68.5	31.5	177.72	-948.0	994.1	1,825.7	1,780.6	45.14	40.442	
7,700.0	6,925.7	7,205.1	6,947.1	69.0	31.6	177.78	-948.1	995.5	1,850.4	1,804.8	45.58	40.600	
7,800.0	7,022.3	7,299.8	7,041.8	69.6	31.7	177.83	-948.2	996.7	1,875.2	1,829.2	46.01	40.759	
7,900.0	7,118.9	7,397.2	7,139.1	70.1	31.8	177.88	-948.4	997.9	1,900.1	1,853.6	46.45	40.910	
8,000.0	7,215.5	7,494.2	7,236.2	70.7	31.9	177.93	-948.6	999.1	1,924.9	1,878.0	46.88	41.058	
8,051.6	7,265.3	7,545.0	7,286.9	70.9	32.0	177.95	-948.7	999.7	1,937.7	1,890.6	47.11	41.132	

<b>Company:</b>	Mineral Resources Inc	<b>Local Co-ordinate Reference:</b>	Well BALLFIELD Y6 7-7-31
<b>Project:</b>	SEC.31-T5N-R65W	<b>TVD Reference:</b>	WELL @ 4673.0ft (Original Well Elev)
<b>Reference Site:</b>	PAD Y SEC.31-T5N-R65W	<b>MD Reference:</b>	WELL @ 4673.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	BALLFIELD Y6 7-7-31	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM den0-adp01 Server Data
<b>Reference Design:</b>	Plan #4 (3-29-10)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		PAD Z SEC.31-T5N-R65W - GODFREY Z5 4-4-31 - Wellbore #1 - Plan #4 (3-29-10)											Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-115.42	-14.6	-30.7	33.9					
100.0	100.0	100.0	100.0	0.1	0.1	-115.42	-14.6	-30.7	33.9	33.7	0.22	151.021		
200.0	200.0	200.0	200.0	0.3	0.3	-115.42	-14.6	-30.7	33.9	33.3	0.67	50.340	CC	
229.2	229.2	229.2	229.2	0.4	0.4	114.07	-14.6	-30.7	34.0	33.2	0.80	42.351		
300.0	300.0	300.0	300.0	0.6	0.6	115.03	-14.6	-30.7	34.3	33.1	1.11	30.757	ES	
400.0	399.8	399.8	399.8	0.8	0.8	123.46	-14.6	-30.7	37.3	35.7	1.55	24.012		
500.0	499.0	499.0	499.0	1.0	1.0	136.23	-14.6	-30.7	45.2	43.1	2.03	22.192	SF	
600.0	597.3	597.3	597.3	1.4	1.2	148.09	-14.6	-30.7	59.7	57.2	2.54	23.529		
700.0	694.4	694.4	694.4	1.8	1.4	156.79	-14.6	-30.7	81.4	78.3	3.04	26.780		
800.0	789.7	789.7	789.7	2.4	1.7	162.65	-14.6	-30.7	109.7	106.2	3.53	31.077		
900.0	883.1	883.1	883.1	3.1	1.9	166.58	-14.6	-30.7	144.5	140.4	4.02	35.919		
1,000.0	974.0	974.0	974.0	4.0	2.1	169.26	-14.6	-30.7	185.2	180.7	4.51	41.035		
1,100.0	1,062.6	1,062.6	1,062.6	4.9	2.3	171.25	-14.6	-30.7	231.1	226.1	5.01	46.107		
1,200.0	1,150.6	1,150.6	1,150.6	5.9	2.5	172.73	-14.6	-30.7	278.1	272.6	5.53	50.258		
1,300.0	1,238.7	1,238.7	1,238.7	6.9	2.7	173.79	-14.6	-30.7	325.3	319.2	6.07	53.619		
1,400.0	1,326.8	1,326.8	1,326.8	7.9	2.9	174.58	-14.6	-30.7	372.5	365.9	6.61	56.380		
1,500.0	1,414.8	1,414.8	1,414.8	8.9	3.1	175.19	-14.6	-30.7	419.7	412.6	7.15	58.680		
1,600.0	1,502.9	1,502.9	1,502.9	10.0	3.3	175.67	-14.6	-30.7	467.0	459.3	7.70	60.619		
1,700.0	1,590.9	1,590.9	1,590.9	11.0	3.5	176.07	-14.6	-30.7	514.3	506.0	8.26	62.271		
1,800.0	1,679.0	1,679.0	1,679.0	12.0	3.7	176.40	-14.6	-30.7	561.6	552.7	8.82	63.694		
1,900.0	1,767.1	1,767.1	1,767.1	13.0	3.9	176.68	-14.6	-30.7	608.9	599.5	9.38	64.930		
2,000.0	1,855.1	1,855.1	1,855.1	14.1	4.1	176.92	-14.6	-30.7	656.2	646.3	9.94	66.013		
2,100.0	1,943.2	1,943.2	1,943.2	15.1	4.3	177.13	-14.6	-30.7	703.5	693.0	10.51	66.968		
2,200.0	2,031.3	2,031.3	2,031.3	16.1	4.5	177.31	-14.6	-30.7	750.9	739.8	11.07	67.817		
2,300.0	2,119.3	2,119.3	2,119.3	17.1	4.7	177.47	-14.6	-30.7	798.2	786.6	11.64	68.574		
2,400.0	2,207.4	2,207.4	2,207.4	18.2	4.8	177.61	-14.6	-30.7	845.6	833.4	12.21	69.255		
2,500.0	2,295.4	2,295.4	2,295.4	19.2	5.0	177.74	-14.6	-30.7	892.9	880.1	12.78	69.869		
2,600.0	2,383.5	2,383.5	2,383.5	20.2	5.2	177.85	-14.6	-30.7	940.3	926.9	13.35	70.425		
2,700.0	2,471.6	2,471.6	2,471.6	21.2	5.4	177.95	-14.6	-30.7	987.6	973.7	13.92	70.932		
2,800.0	2,559.6	2,559.6	2,559.6	22.3	5.6	178.05	-14.6	-30.7	1,035.0	1,020.5	14.50	71.395		
2,900.0	2,647.7	2,647.7	2,647.7	23.3	5.8	178.13	-14.6	-30.7	1,082.4	1,067.3	15.07	71.819		
3,000.0	2,735.8	2,735.8	2,735.8	24.3	6.0	178.21	-14.6	-30.7	1,129.7	1,114.1	15.65	72.209		
3,100.0	2,823.8	2,823.8	2,823.8	25.4	6.2	178.28	-14.6	-30.7	1,177.1	1,160.9	16.22	72.569		
3,200.0	2,911.9	2,911.9	2,911.9	26.4	6.4	178.35	-14.6	-30.7	1,224.4	1,207.7	16.80	72.902		
3,300.0	2,999.9	2,999.9	2,999.9	27.4	6.6	178.41	-14.6	-30.7	1,271.8	1,254.4	17.37	73.210		
3,400.0	3,088.0	3,161.2	3,161.1	28.5	6.9	178.55	-16.9	-26.7	1,316.7	1,298.7	18.04	72.981		
3,500.0	3,176.1	3,331.3	3,330.6	29.5	7.3	178.75	-24.2	-14.1	1,356.5	1,337.8	18.71	72.485		
3,600.0	3,264.1	3,509.6	3,506.9	30.5	7.7	179.01	-37.3	8.4	1,390.7	1,371.3	19.42	71.621		
3,700.0	3,352.2	3,657.4	3,651.7	31.5	8.0	179.27	-52.3	34.0	1,419.5	1,399.4	20.09	70.665		
3,800.0	3,440.3	3,753.4	3,745.5	32.6	8.3	179.43	-62.6	51.7	1,447.2	1,426.5	20.68	69.995		
3,900.0	3,528.3	3,849.4	3,839.2	33.6	8.6	179.60	-72.9	69.5	1,474.9	1,453.7	21.27	69.349		
4,000.0	3,616.4	3,945.4	3,933.0	34.6	8.9	179.75	-83.3	87.2	1,502.7	1,480.8	21.87	68.719		
4,100.0	3,704.4	4,041.3	4,026.8	35.7	9.2	179.90	-93.6	105.0	1,530.5	1,508.0	22.47	68.111		
4,200.0	3,792.5	4,137.3	4,120.5	36.7	9.5	-179.95	-104.0	122.7	1,558.2	1,535.2	23.08	67.525		
4,300.0	3,880.6	4,233.3	4,214.3	37.7	9.8	-179.81	-114.3	140.4	1,586.0	1,562.3	23.69	66.959		
4,400.0	3,968.6	4,329.3	4,308.1	38.8	10.2	-179.68	-124.6	158.2	1,613.8	1,589.5	24.30	66.412		
4,500.0	4,056.7	4,425.3	4,401.8	39.8	10.5	-179.55	-135.0	175.9	1,641.6	1,616.7	24.92	65.883		
4,600.0	4,144.7	4,521.3	4,495.6	40.8	10.9	-179.42	-145.3	193.7	1,669.4	1,643.9	25.54	65.373		
4,700.0	4,232.8	4,617.3	4,589.4	41.8	11.3	-179.30	-155.7	211.4	1,697.2	1,671.1	26.16	64.880		
4,800.0	4,320.9	4,713.3	4,683.1	42.9	11.6	-179.18	-166.0	229.2	1,725.1	1,698.3	26.79	64.403		
4,900.0	4,408.9	4,809.3	4,776.9	43.9	12.0	-179.07	-176.4	246.9	1,752.9	1,725.5	27.41	63.943		
5,000.0	4,497.0	4,905.3	4,870.7	44.9	12.4	-178.96	-186.7	264.6	1,780.7	1,752.7	28.04	63.497		



<b>Company:</b>	Mineral Resources Inc	<b>Local Co-ordinate Reference:</b>	Well BALLFIELD Y6 7-7-31
<b>Project:</b>	SEC.31-T5N-R65W	<b>TVD Reference:</b>	WELL @ 4673.0ft (Original Well Elev)
<b>Reference Site:</b>	PAD Y SEC.31-T5N-R65W	<b>MD Reference:</b>	WELL @ 4673.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	BALLFIELD Y6 7-7-31	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM den0-adp01 Server Data
<b>Reference Design:</b>	Plan #4 (3-29-10)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> PAD Z SEC.31-T5N-R65W - GODFREY Z5 4-4-31 - Wellbore #1 - Plan #4 (3-29-10)												<b>Offset Site Error:</b>	0.0 ft
Survey Program: 0-MWD												<b>Offset Well Error:</b>	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.0	4,585.1	5,001.3	4,964.5	46.0	12.8	-178.85	-197.0	282.4	1,808.6	1,779.9	28.68	63.067	
5,200.0	4,673.1	5,097.3	5,058.2	47.0	13.2	-178.75	-207.4	300.1	1,836.4	1,807.1	29.31	62.650	
5,300.0	4,761.2	5,193.2	5,152.0	48.0	13.6	-178.65	-217.7	317.9	1,864.3	1,834.3	29.95	62.246	
5,400.0	4,849.2	5,265.6	5,222.8	49.1	13.9	-178.57	-225.4	331.1	1,892.5	1,862.0	30.53	61.990	
5,500.0	4,937.3	5,323.4	5,279.4	50.1	14.1	-178.53	-231.0	340.6	1,922.5	1,891.5	31.07	61.878	
5,600.0	5,025.4	5,400.0	5,354.9	51.1	14.3	-178.47	-237.5	351.8	1,954.6	1,922.9	31.65	61.755	
5,700.0	5,113.4	5,436.6	5,391.1	52.2	14.4	-178.45	-240.2	356.5	1,988.1	1,956.0	32.14	61.865	

<b>Company:</b>	Mineral Resources Inc	<b>Local Co-ordinate Reference:</b>	Well BALLFIELD Y6 7-7-31
<b>Project:</b>	SEC.31-T5N-R65W	<b>TVD Reference:</b>	WELL @ 4673.0ft (Original Well Elev)
<b>Reference Site:</b>	PAD Y SEC.31-T5N-R65W	<b>MD Reference:</b>	WELL @ 4673.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	BALLFIELD Y6 7-7-31	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM den0-adp01 Server Data
<b>Reference Design:</b>	Plan #4 (3-29-10)	<b>Offset TVD Reference:</b>	Offset Datum

PAD Z SEC.31-T5N-R65W - LATHAM Z6 6-4-31 - Wellbore #1 - Plan #4 (3-29-10)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
0.0	0.0	0.0	0.0	0.0	0.0	-117.59	-7.3	-13.9	15.7	15.7	0.00	N/A		
100.0	100.0	100.0	100.0	0.1	0.1	-117.59	-7.3	-13.9	15.7	15.5	0.22	69.953		
200.0	200.0	200.0	200.0	0.3	0.3	-117.59	-7.3	-13.9	15.7	15.0	0.67	23.318 CC		
230.9	230.9	230.9	230.9	0.4	0.4	112.19	-7.3	-13.9	15.8	15.0	0.81	19.473		
300.0	300.0	300.0	300.0	0.6	0.6	114.23	-7.3	-13.9	16.0	14.9	1.11	14.383 ES		
400.0	399.8	399.8	399.8	0.8	0.8	130.84	-7.3	-13.9	19.3	17.8	1.55	12.446 SF		
500.0	499.0	499.0	499.0	1.0	1.0	149.27	-7.3	-13.9	28.8	26.8	2.03	14.180		
600.0	597.3	597.3	597.3	1.4	1.2	160.87	-7.3	-13.9	45.5	43.0	2.52	18.070		
700.0	694.4	694.4	694.4	1.8	1.4	167.29	-7.3	-13.9	68.8	65.8	3.00	22.956		
800.0	789.7	789.7	789.7	2.4	1.7	170.97	-7.3	-13.9	98.4	95.0	3.48	28.281		
900.0	883.1	883.1	883.1	3.1	1.9	173.22	-7.3	-13.9	134.0	130.0	3.96	33.793		
1,000.0	974.0	974.0	974.0	4.0	2.1	174.67	-7.3	-13.9	175.2	170.8	4.45	39.371		
1,100.0	1,062.6	1,062.6	1,062.6	4.9	2.3	175.71	-7.3	-13.9	221.6	216.6	4.95	44.760		
1,200.0	1,150.6	1,150.6	1,150.6	5.9	2.5	176.46	-7.3	-13.9	268.9	263.4	5.48	49.105		
1,300.0	1,238.7	1,238.7	1,238.7	6.9	2.7	176.99	-7.3	-13.9	316.2	310.2	6.01	52.603		
1,400.0	1,326.8	1,326.8	1,326.8	7.9	2.9	177.39	-7.3	-13.9	363.5	357.0	6.55	55.465		
1,500.0	1,414.8	1,417.0	1,417.0	8.9	3.1	177.70	-7.3	-13.9	410.9	403.7	7.10	57.827		
1,600.0	1,502.9	1,519.9	1,519.9	10.0	3.3	178.13	-7.8	-11.5	456.3	448.7	7.66	59.611		
1,700.0	1,590.9	1,626.0	1,625.7	11.0	3.5	178.70	-9.1	-5.2	498.9	490.7	8.20	60.839		
1,800.0	1,679.0	1,735.1	1,734.4	12.0	3.7	179.41	-11.3	5.2	538.5	529.8	8.77	61.433		
1,900.0	1,767.1	1,847.1	1,845.3	13.0	4.0	-179.76	-14.4	20.2	575.1	565.7	9.36	61.465		
2,000.0	1,855.1	1,961.7	1,958.1	14.1	4.3	-178.81	-18.4	39.8	608.4	598.5	9.98	60.980		
2,100.0	1,943.2	2,078.7	2,072.3	15.1	4.7	-177.74	-23.5	64.4	638.6	628.0	10.64	60.009		
2,200.0	2,031.3	2,197.6	2,187.3	16.1	5.1	-176.54	-29.7	94.1	665.5	654.2	11.36	58.572		
2,300.0	2,119.3	2,318.2	2,302.5	17.1	5.7	-175.21	-36.9	128.9	689.3	677.1	12.16	56.662		
2,400.0	2,207.4	2,437.3	2,414.8	18.2	6.4	-173.78	-45.0	167.9	709.8	696.7	13.05	54.387		
2,500.0	2,295.4	2,534.3	2,505.6	19.2	6.9	-172.62	-51.9	201.3	729.3	715.3	13.92	52.377		
2,600.0	2,383.5	2,631.3	2,596.4	20.2	7.5	-171.51	-58.8	234.6	749.0	734.1	14.84	50.474		
2,700.0	2,471.6	2,728.3	2,687.3	21.2	8.2	-170.46	-65.7	267.9	769.0	753.2	15.80	48.672		
2,800.0	2,559.6	2,825.3	2,778.1	22.3	8.8	-169.46	-72.6	301.2	789.2	772.4	16.80	46.983		
2,900.0	2,647.7	2,922.3	2,869.0	23.3	9.5	-168.51	-79.5	334.6	809.7	791.8	17.83	45.406		
3,000.0	2,735.8	3,019.3	2,959.8	24.3	10.1	-167.60	-86.4	367.9	830.3	811.5	18.90	43.937		
3,100.0	2,823.8	3,116.3	3,050.6	25.4	10.8	-166.74	-93.4	401.2	851.2	831.2	19.99	42.572		
3,200.0	2,911.9	3,213.3	3,141.5	26.4	11.5	-165.92	-100.3	434.5	872.2	851.1	21.12	41.304		
3,300.0	2,999.9	3,310.3	3,232.3	27.4	12.2	-165.14	-107.2	467.9	893.4	871.2	22.27	40.127		
3,400.0	3,088.0	3,407.3	3,323.2	28.5	12.9	-164.39	-114.1	501.2	914.8	891.4	23.44	39.035		
3,500.0	3,176.1	3,504.3	3,414.0	29.5	13.6	-163.68	-121.0	534.5	936.3	911.7	24.63	38.022		
3,600.0	3,264.1	3,601.3	3,504.8	30.5	14.3	-163.00	-127.9	567.8	957.9	932.1	25.83	37.080		
3,700.0	3,352.2	3,698.3	3,595.7	31.5	15.0	-162.35	-134.8	601.2	979.7	952.6	27.06	36.205		
3,800.0	3,440.3	3,795.3	3,686.5	32.6	15.7	-161.73	-141.7	634.5	1,001.6	973.3	28.30	35.390		
3,900.0	3,528.3	3,892.4	3,777.3	33.6	16.4	-161.13	-148.6	667.8	1,023.5	994.0	29.56	34.630		
4,000.0	3,616.4	3,989.4	3,868.2	34.6	17.1	-160.56	-155.5	701.1	1,045.6	1,014.8	30.82	33.922		
4,100.0	3,704.4	4,086.4	3,959.0	35.7	17.8	-160.01	-162.5	734.5	1,067.8	1,035.7	32.10	33.260		
4,200.0	3,792.5	4,183.4	4,049.9	36.7	18.5	-159.49	-169.4	767.8	1,090.1	1,056.7	33.40	32.642		
4,300.0	3,880.6	4,280.4	4,140.7	37.7	19.3	-158.98	-176.3	801.1	1,112.4	1,077.7	34.70	32.062		
4,400.0	3,968.6	4,377.4	4,231.5	38.8	20.0	-158.50	-183.2	834.4	1,134.9	1,098.9	36.01	31.518		
4,500.0	4,056.7	4,474.4	4,322.4	39.8	20.7	-158.03	-190.1	867.8	1,157.4	1,120.1	37.33	31.008		
4,600.0	4,144.7	4,571.4	4,413.2	40.8	21.4	-157.58	-197.0	901.1	1,180.0	1,141.3	38.65	30.528		
4,700.0	4,232.8	4,668.4	4,504.1	41.8	22.1	-157.15	-203.9	934.4	1,202.6	1,162.6	39.99	30.076		
4,800.0	4,320.9	4,765.4	4,594.9	42.9	22.9	-156.73	-210.8	967.7	1,225.3	1,184.0	41.33	29.650		
4,900.0	4,408.9	4,862.4	4,685.7	43.9	23.6	-156.33	-217.7	1,001.1	1,248.1	1,205.4	42.67	29.248		
5,000.0	4,497.0	4,959.4	4,776.6	44.9	24.3	-155.95	-224.6	1,034.4	1,270.9	1,226.9	44.03	28.868		

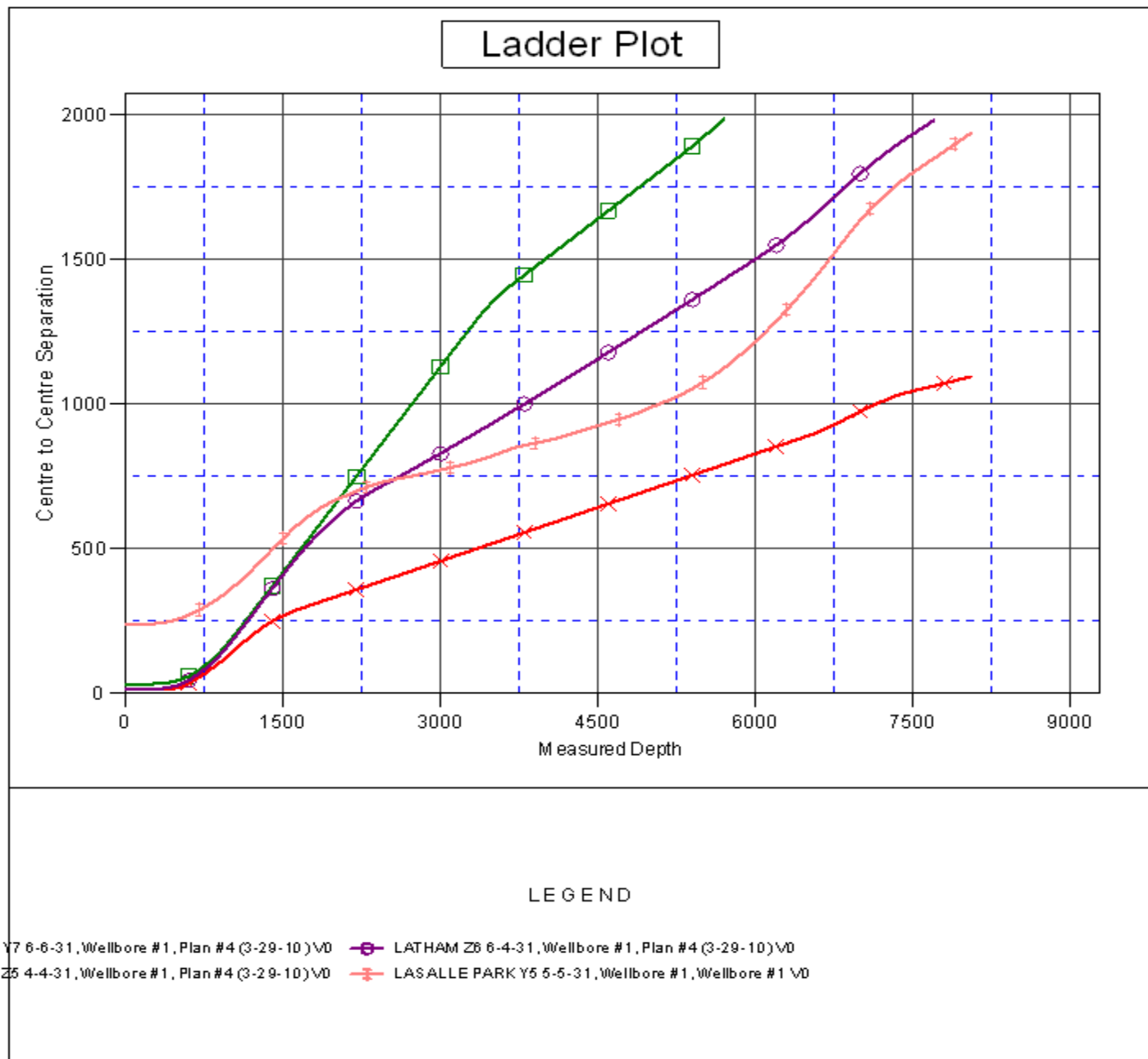
<b>Company:</b>	Mineral Resources Inc	<b>Local Co-ordinate Reference:</b>	Well BALLFIELD Y6 7-7-31
<b>Project:</b>	SEC.31-T5N-R65W	<b>TVD Reference:</b>	WELL @ 4673.0ft (Original Well Elev)
<b>Reference Site:</b>	PAD Y SEC.31-T5N-R65W	<b>MD Reference:</b>	WELL @ 4673.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	BALLFIELD Y6 7-7-31	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM den0-adp01 Server Data
<b>Reference Design:</b>	Plan #4 (3-29-10)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.0	4,585.1	5,056.4	4,867.4	46.0	25.0	-155.57	-231.5	1,067.7	1,293.8	1,248.4	45.38	28.508		
5,200.0	4,673.1	5,153.4	4,958.2	47.0	25.7	-155.21	-238.5	1,101.0	1,316.7	1,270.0	46.75	28.168		
5,300.0	4,761.2	5,250.4	5,049.1	48.0	26.5	-154.86	-245.4	1,134.4	1,339.7	1,291.6	48.11	27.845		
5,400.0	4,849.2	5,347.4	5,139.9	49.1	27.2	-154.53	-252.3	1,167.7	1,362.7	1,313.2	49.49	27.538		
5,500.0	4,937.3	5,444.4	5,230.8	50.1	27.9	-154.20	-259.2	1,201.0	1,385.8	1,334.9	50.86	27.247		
5,600.0	5,025.4	5,541.4	5,321.6	51.1	28.6	-153.89	-266.1	1,234.3	1,408.9	1,356.7	52.24	26.969		
5,700.0	5,113.4	5,638.4	5,412.4	52.2	29.4	-153.58	-273.0	1,267.7	1,432.0	1,378.4	53.62	26.706		
5,800.0	5,201.5	5,735.4	5,503.3	53.2	30.1	-153.29	-279.9	1,301.0	1,455.2	1,400.2	55.01	26.454		
5,900.0	5,289.6	5,832.4	5,594.1	54.2	30.8	-153.00	-286.8	1,334.3	1,478.4	1,422.0	56.40	26.214		
6,000.0	5,377.6	5,929.5	5,684.9	55.2	31.5	-152.72	-293.7	1,367.6	1,501.7	1,443.9	57.79	25.985		
6,100.0	5,465.7	6,000.0	5,751.2	56.3	32.0	-152.55	-298.6	1,391.3	1,525.6	1,466.7	58.91	25.897		
6,200.0	5,553.7	6,079.8	5,826.9	57.3	32.4	-152.42	-303.8	1,416.2	1,550.9	1,490.9	59.97	25.862		
6,300.0	5,641.8	6,153.1	5,896.9	58.3	32.8	-152.36	-308.1	1,437.1	1,577.6	1,516.7	60.92	25.899		
6,400.0	5,729.9	6,225.7	5,966.9	59.4	33.1	-152.36	-312.1	1,456.2	1,605.8	1,544.0	61.79	25.987		
6,500.0	5,817.9	6,300.0	6,039.0	60.4	33.5	-152.42	-315.8	1,473.9	1,635.4	1,572.8	62.61	26.121		
6,600.0	5,906.0	6,369.0	6,106.3	61.4	33.7	-152.53	-318.8	1,488.7	1,666.3	1,603.0	63.33	26.310		
6,700.0	5,994.1	6,439.4	6,175.3	62.5	34.0	-152.68	-321.6	1,502.2	1,698.7	1,634.7	64.00	26.541		
6,800.0	6,082.1	6,500.0	6,235.0	63.5	34.1	-152.85	-323.7	1,512.4	1,732.4	1,667.8	64.61	26.812		
6,900.0	6,170.9	6,577.9	6,312.1	64.4	34.4	-153.41	-326.1	1,523.8	1,766.0	1,700.9	65.06	27.142		
7,000.0	6,261.3	6,646.8	6,380.5	65.1	34.5	-153.92	-327.8	1,532.1	1,798.1	1,732.7	65.41	27.488		
7,100.0	6,353.2	6,715.7	6,449.0	65.8	34.7	-154.42	-329.2	1,538.8	1,828.6	1,762.9	65.70	27.833		
7,200.0	6,446.3	6,784.4	6,517.5	66.4	34.8	-154.89	-330.3	1,543.9	1,857.5	1,791.6	65.91	28.183		
7,300.0	6,540.7	6,853.1	6,586.1	67.0	34.9	-155.34	-331.0	1,547.4	1,884.8	1,818.7	66.04	28.539		
7,400.0	6,636.1	6,921.6	6,654.6	67.5	35.0	-155.78	-331.4	1,549.3	1,910.5	1,844.4	66.11	28.900		
7,500.0	6,732.5	6,999.5	6,732.5	67.9	35.0	-156.16	-331.5	1,549.6	1,934.6	1,868.5	66.15	29.247		
7,600.0	6,829.1	7,096.1	6,829.1	68.5	35.1	-156.47	-331.5	1,549.6	1,958.4	1,892.2	66.29	29.542		
7,700.0	6,925.7	7,192.7	6,925.7	69.0	35.2	-156.76	-331.5	1,549.6	1,982.3	1,915.9	66.45	29.834		

**Company:** Mineral Resources Inc  
**Project:** SEC.31-T5N-R65W  
**Reference Site:** PAD Y SEC.31-T5N-R65W  
**Site Error:** 0.0ft  
**Reference Well:** BALLFIELD Y6 7-7-31  
**Well Error:** 0.0ft  
**Reference Wellbore:** Wellbore #1  
**Reference Design:** Plan #4 (3-29-10)

**Local Co-ordinate Reference:** Well BALLFIELD Y6 7-7-31  
**TVD Reference:** WELL @ 4673.0ft (Original Well Elev)  
**MD Reference:** WELL @ 4673.0ft (Original Well Elev)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Output errors are at** 2.00 sigma  
**Database:** EDM den0-adp01 Server Data  
**Offset TVD Reference:** Offset Datum

Reference Depths are relative to WELL @ 4673.0ft (Original Well Elev) Coordinates are relative to: BALLFIELD Y6 7-7-31  
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone  
Central Meridian is 105° 30' 0.000 W ° Grid Convergence at Surface is: 0.51°

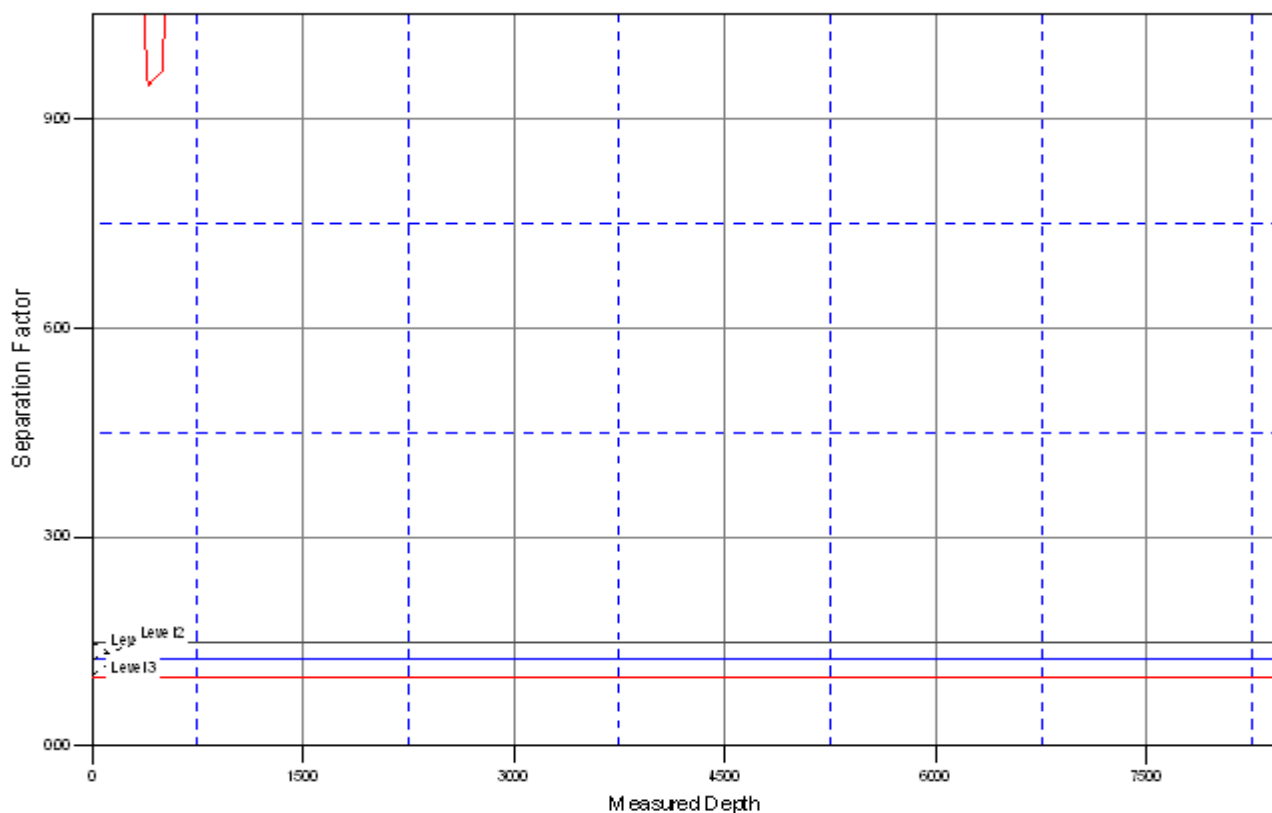


**Company:** Mineral Resources Inc  
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## Separation Factor Plot



## LEGEND

3 Y7 6-6-31, Wellbore #1, Plan #4 (3-29-10) \VD LATHAM Z6 6-4-31, Wellbore #1, Plan #4 (3-29-10) \VD  
Y Z5 4-4-31, Wellbore #1, Plan #4 (3-29-10) \VD LASALLE PARK Y5 5-5-31, Wellbore #1, Wellbore #1 \VD