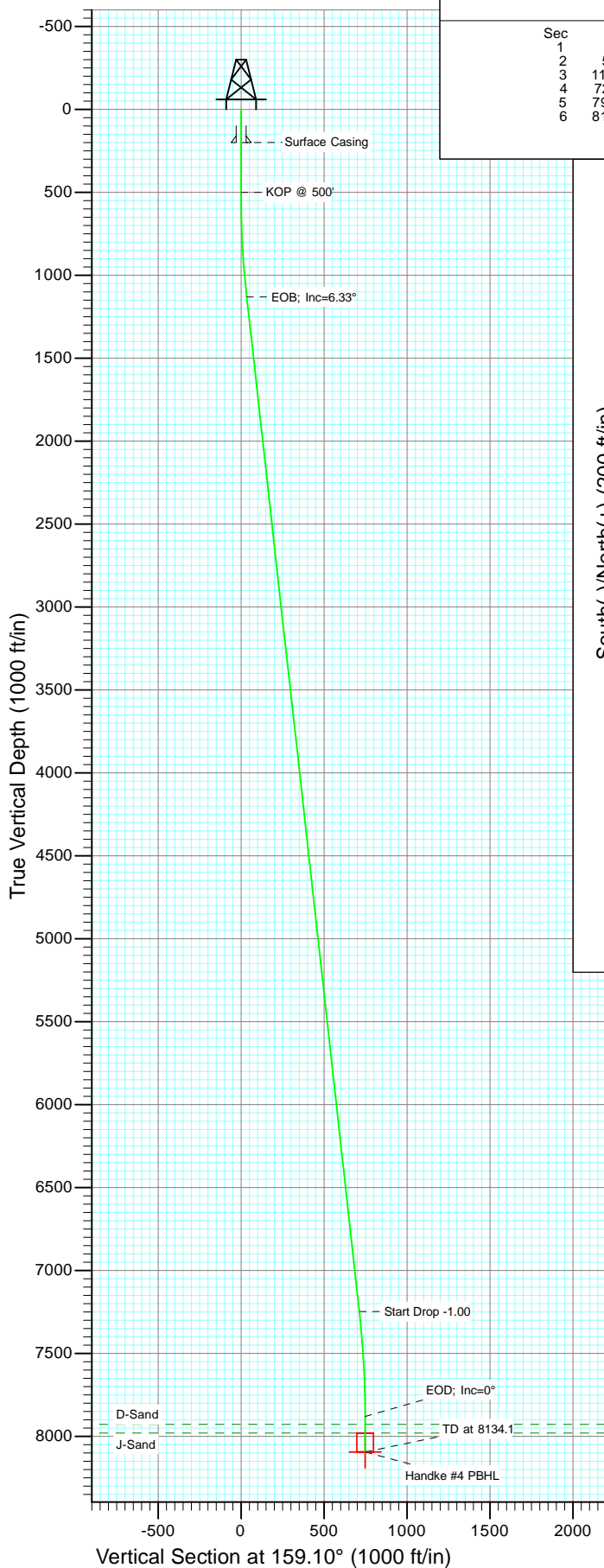


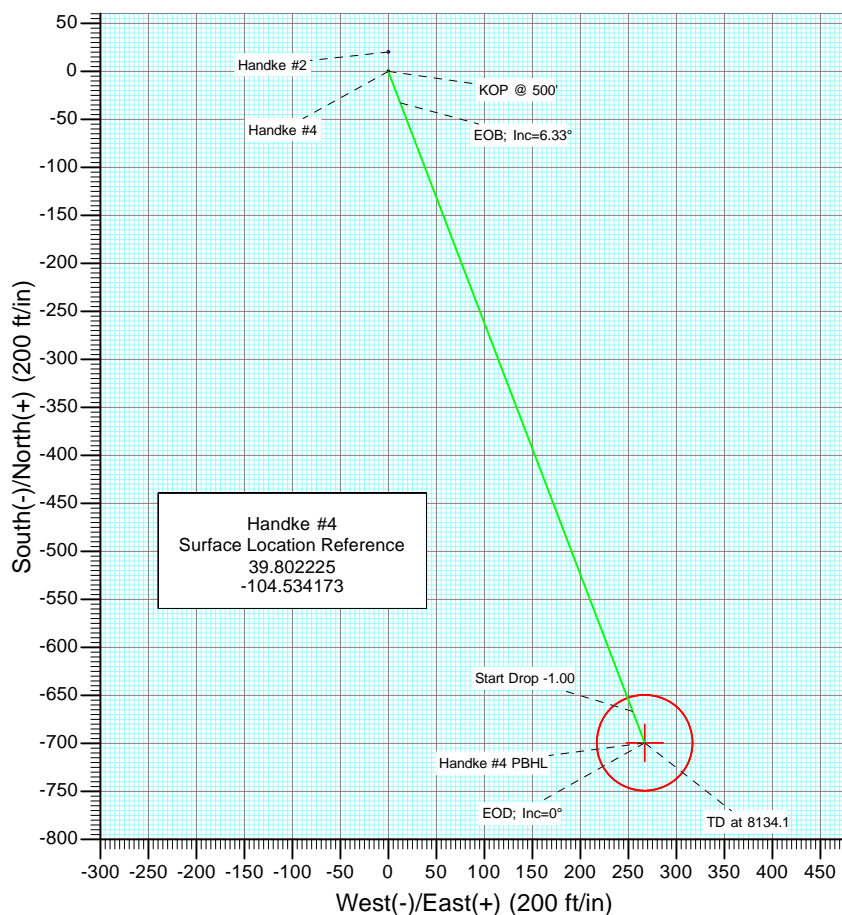
Overland Resources LLC.

Project: Adams County, CO
Site: SWSE S10-T3S-R62W
Well: Handke #4
Wellbore: DD
Design: Plan #1



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	500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.0	
3	1133.1	6.33	159.10	1131.8	-32.6	12.5	1.00	159.10	34.9	
4	7287.0	6.33	159.10	7248.2	-666.6	254.5	0.00	0.00	713.5	
5	7920.1	0.00	0.00	7880.0	-699.2	267.0	1.00	180.00	748.5	
6	8134.1	0.00	0.00	8094.0	-699.2	267.0	0.00	0.00	748.5	Handke #4 PBHL



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
7928.0	7968.1	D-Sand
7980.0	8020.1	J-Sand

CASING DETAILS

TVD	MD	Name
200.0	200.0	Surface Casing



Azimuths to True North
Magnetic North: 8.61°

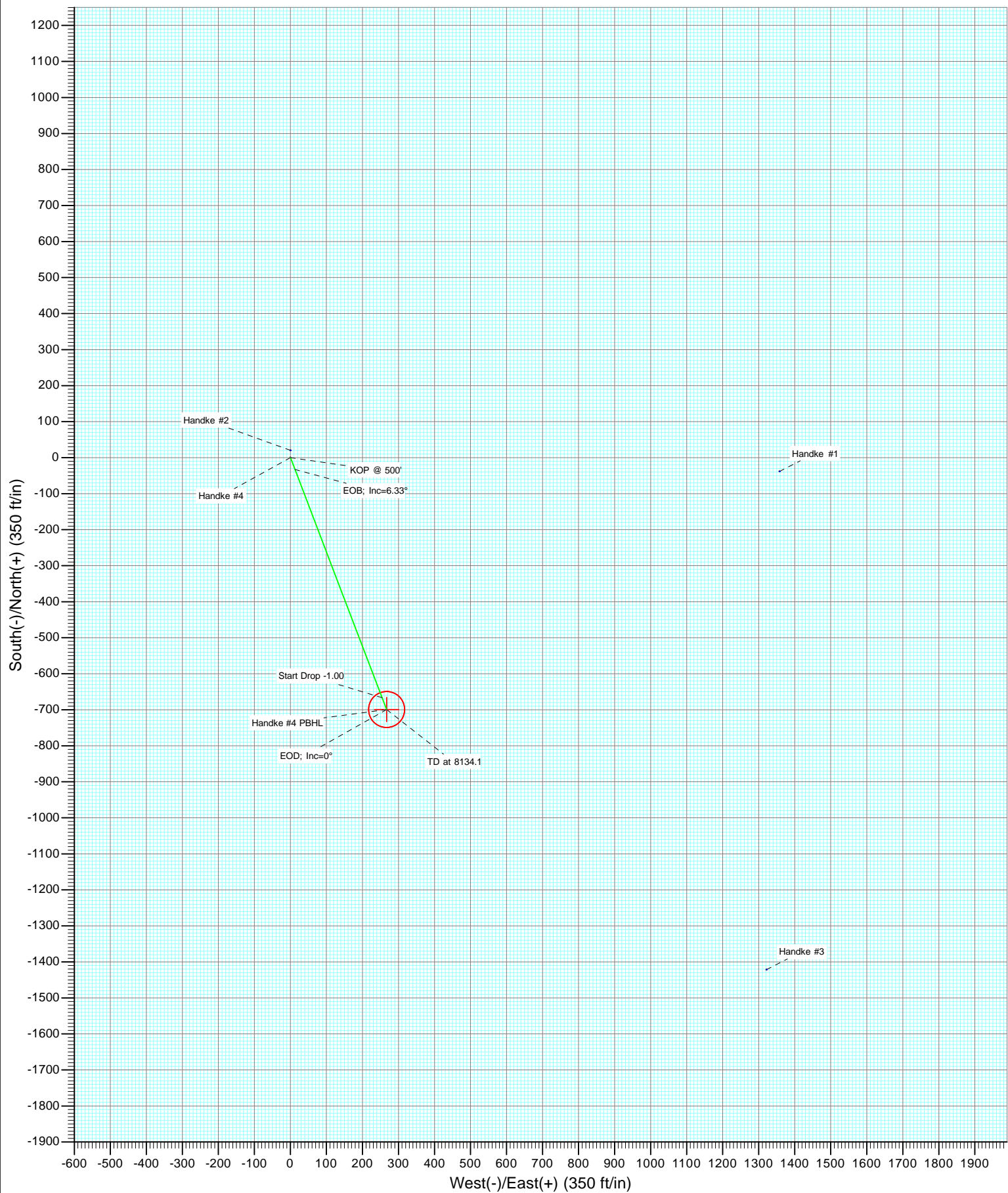
Magnetic Field
Strength: 52771.0snT
Dip Angle: 66.58°
Date: 1/24/2012
Model: IGRF2010

Plan #1
Handke #4
12xxx; LR
KBE @ 5475.0ft (Original Well Elev)
North American Datum 1983
Well Handke #4, True North

Type	Target	Azimuth	Origin Type	N/S	E/W	From TVD
Target	Handke #4 PBHL	159.10	Slot	0.0	0.0	0.0
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	
Handke #4 PBHL	8094.0	-699.2	267.0	39.800305	-104.533222	

Overland Resources LLC.

Project: Adams County, CO
Site: SWSE S10-T3S-R62W
Well: Handke #4
Wellbore: DD
Design: Plan #1



Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Handke #4
Company:	Overland Resources LLC.	TVD Reference:	KBE @ 5475.0ft (Original Well Elev)
Project:	Adams County, CO	MD Reference:	KBE @ 5475.0ft (Original Well Elev)
Site:	SWSE S10-T3S-R62W	North Reference:	True
Well:	Handke #4	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #1		

Project	Adams County, CO		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site		SWSE S10-T3S-R62W			
Site Position:		Northing:	1,172,283.27 ft	Latitude:	39.802225
From:	Lat/Long	Easting:	3,271,365.90 ft	Longitude:	-104.534173
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	0.62 °

Well	Handke #4					
Well Position	+N/-S	0.0 ft	Northing:	1,172,283.26 ft	Latitude:	39.802225
	+E/-W	0.0 ft	Easting:	3,271,365.90 ft	Longitude:	-104.534173
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,460.0 ft

Wellbore	DD				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	1/24/2012	8.61	66.58	52,771

Design	Plan #1			
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	159.10

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	
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,133.1	6.33	159.10	1,131.8	-32.6	12.5	1.00	1.00	0.00	159.10	
7,287.0	6.33	159.10	7,248.2	-666.6	254.5	0.00	0.00	0.00	0.00	
7,920.1	0.00	0.00	7,880.0	-699.2	267.0	1.00	-1.00	0.00	180.00	
8,134.1	0.00	0.00	8,094.0	-699.2	267.0	0.00	0.00	0.00	0.00	Handke #4 PBHL

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Handke #4
Company:	Overland Resources LLC.	TVD Reference:	KBE @ 5475.0ft (Original Well Elev)
Project:	Adams County, CO	MD Reference:	KBE @ 5475.0ft (Original Well Elev)
Site:	SWSE S10-T3S-R62W	North Reference:	True
Well:	Handke #4	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #1		

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)	Comments / Formations
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	Surface Casing
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	KOP @ 500'
600.0	1.00	159.10	600.0	-0.8	0.3	0.9	1.00	1.00	
700.0	2.00	159.10	700.0	-3.3	1.2	3.5	1.00	1.00	
800.0	3.00	159.10	799.9	-7.3	2.8	7.9	1.00	1.00	
900.0	4.00	159.10	899.7	-13.0	5.0	14.0	1.00	1.00	
1,000.0	5.00	159.10	999.4	-20.4	7.8	21.8	1.00	1.00	
1,100.0	6.00	159.10	1,098.9	-29.3	11.2	31.4	1.00	1.00	
1,133.1	6.33	159.10	1,131.8	-32.6	12.5	34.9	1.00	1.00	EOB; Inc=6.33°
1,200.0	6.33	159.10	1,198.3	-39.5	15.1	42.3	0.00	0.00	
1,300.0	6.33	159.10	1,297.7	-49.8	19.0	53.3	0.00	0.00	
1,400.0	6.33	159.10	1,397.1	-60.1	23.0	64.4	0.00	0.00	
1,500.0	6.33	159.10	1,496.5	-70.4	26.9	75.4	0.00	0.00	
1,600.0	6.33	159.10	1,595.9	-80.7	30.8	86.4	0.00	0.00	
1,700.0	6.33	159.10	1,695.3	-91.0	34.8	97.5	0.00	0.00	
1,800.0	6.33	159.10	1,794.6	-101.3	38.7	108.5	0.00	0.00	
1,900.0	6.33	159.10	1,894.0	-111.6	42.6	119.5	0.00	0.00	
2,000.0	6.33	159.10	1,993.4	-121.9	46.6	130.5	0.00	0.00	
2,100.0	6.33	159.10	2,092.8	-132.2	50.5	141.6	0.00	0.00	
2,200.0	6.33	159.10	2,192.2	-142.5	54.4	152.6	0.00	0.00	
2,300.0	6.33	159.10	2,291.6	-152.8	58.4	163.6	0.00	0.00	
2,400.0	6.33	159.10	2,391.0	-163.1	62.3	174.6	0.00	0.00	
2,500.0	6.33	159.10	2,490.4	-173.4	66.2	185.7	0.00	0.00	
2,600.0	6.33	159.10	2,589.8	-183.8	70.2	196.7	0.00	0.00	
2,700.0	6.33	159.10	2,689.2	-194.1	74.1	207.7	0.00	0.00	
2,800.0	6.33	159.10	2,788.5	-204.4	78.0	218.7	0.00	0.00	
2,900.0	6.33	159.10	2,887.9	-214.7	82.0	229.8	0.00	0.00	
3,000.0	6.33	159.10	2,987.3	-225.0	85.9	240.8	0.00	0.00	
3,100.0	6.33	159.10	3,086.7	-235.3	89.8	251.8	0.00	0.00	
3,200.0	6.33	159.10	3,186.1	-245.6	93.8	262.9	0.00	0.00	
3,300.0	6.33	159.10	3,285.5	-255.9	97.7	273.9	0.00	0.00	
3,400.0	6.33	159.10	3,384.9	-266.2	101.6	284.9	0.00	0.00	
3,500.0	6.33	159.10	3,484.3	-276.5	105.6	295.9	0.00	0.00	
3,600.0	6.33	159.10	3,583.7	-286.8	109.5	307.0	0.00	0.00	
3,700.0	6.33	159.10	3,683.1	-297.1	113.4	318.0	0.00	0.00	
3,800.0	6.33	159.10	3,782.4	-307.4	117.4	329.0	0.00	0.00	
3,900.0	6.33	159.10	3,881.8	-317.7	121.3	340.0	0.00	0.00	
4,000.0	6.33	159.10	3,981.2	-328.0	125.2	351.1	0.00	0.00	
4,100.0	6.33	159.10	4,080.6	-338.3	129.2	362.1	0.00	0.00	
4,200.0	6.33	159.10	4,180.0	-348.6	133.1	373.1	0.00	0.00	
4,300.0	6.33	159.10	4,279.4	-358.9	137.0	384.1	0.00	0.00	
4,400.0	6.33	159.10	4,378.8	-369.2	141.0	395.2	0.00	0.00	
4,500.0	6.33	159.10	4,478.2	-379.5	144.9	406.2	0.00	0.00	
4,600.0	6.33	159.10	4,577.6	-389.8	148.8	417.2	0.00	0.00	
4,700.0	6.33	159.10	4,677.0	-400.1	152.8	428.3	0.00	0.00	
4,800.0	6.33	159.10	4,776.4	-410.4	156.7	439.3	0.00	0.00	
4,900.0	6.33	159.10	4,875.7	-420.7	160.6	450.3	0.00	0.00	
5,000.0	6.33	159.10	4,975.1	-431.0	164.6	461.3	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Handke #4
Company:	Overland Resources LLC.	TVD Reference:	KBE @ 5475.0ft (Original Well Elev)
Project:	Adams County, CO	MD Reference:	KBE @ 5475.0ft (Original Well Elev)
Site:	SWSE S10-T3S-R62W	North Reference:	True
Well:	Handke #4	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #1		

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)	Comments / Formations
5,100.0	6.33	159.10	5,074.5	-441.3	168.5	472.4	0.00	0.00	
5,200.0	6.33	159.10	5,173.9	-451.6	172.4	483.4	0.00	0.00	
5,300.0	6.33	159.10	5,273.3	-461.9	176.4	494.4	0.00	0.00	
5,400.0	6.33	159.10	5,372.7	-472.2	180.3	505.4	0.00	0.00	
5,500.0	6.33	159.10	5,472.1	-482.5	184.2	516.5	0.00	0.00	
5,600.0	6.33	159.10	5,571.5	-492.8	188.2	527.5	0.00	0.00	
5,700.0	6.33	159.10	5,670.9	-503.1	192.1	538.5	0.00	0.00	
5,800.0	6.33	159.10	5,770.3	-513.4	196.0	549.5	0.00	0.00	
5,900.0	6.33	159.10	5,869.6	-523.7	200.0	560.6	0.00	0.00	
6,000.0	6.33	159.10	5,969.0	-534.0	203.9	571.6	0.00	0.00	
6,100.0	6.33	159.10	6,068.4	-544.3	207.9	582.6	0.00	0.00	
6,200.0	6.33	159.10	6,167.8	-554.6	211.8	593.7	0.00	0.00	
6,300.0	6.33	159.10	6,267.2	-564.9	215.7	604.7	0.00	0.00	
6,400.0	6.33	159.10	6,366.6	-575.2	219.7	615.7	0.00	0.00	
6,500.0	6.33	159.10	6,466.0	-585.5	223.6	626.7	0.00	0.00	
6,600.0	6.33	159.10	6,565.4	-595.8	227.5	637.8	0.00	0.00	
6,700.0	6.33	159.10	6,664.8	-606.1	231.5	648.8	0.00	0.00	
6,800.0	6.33	159.10	6,764.2	-616.4	235.4	659.8	0.00	0.00	
6,900.0	6.33	159.10	6,863.5	-626.7	239.3	670.8	0.00	0.00	
7,000.0	6.33	159.10	6,962.9	-637.0	243.3	681.9	0.00	0.00	
7,100.0	6.33	159.10	7,062.3	-647.3	247.2	692.9	0.00	0.00	
7,200.0	6.33	159.10	7,161.7	-657.6	251.1	703.9	0.00	0.00	
7,287.0	6.33	159.10	7,248.2	-666.6	254.5	713.5	0.00	0.00	Start Drop -1.00
7,300.0	6.20	159.10	7,261.1	-667.9	255.1	714.9	1.00	-1.00	
7,400.0	5.20	159.10	7,360.6	-677.2	258.6	724.9	1.00	-1.00	
7,500.0	4.20	159.10	7,460.3	-684.8	261.5	733.1	1.00	-1.00	
7,600.0	3.20	159.10	7,560.1	-690.9	263.8	739.5	1.00	-1.00	
7,700.0	2.20	159.10	7,660.0	-695.3	265.5	744.2	1.00	-1.00	
7,800.0	1.20	159.10	7,759.9	-698.0	266.6	747.2	1.00	-1.00	
7,900.0	0.20	159.10	7,859.9	-699.2	267.0	748.4	1.00	-1.00	
7,920.1	0.00	0.00	7,880.0	-699.2	267.0	748.5	1.00	-1.00	EOD; Inc=0°
7,968.1	0.00	0.00	7,928.0	-699.2	267.0	748.5	0.00	0.00	D-Sand
8,000.0	0.00	0.00	7,959.9	-699.2	267.0	748.5	0.00	0.00	
8,020.1	0.00	0.00	7,980.0	-699.2	267.0	748.5	0.00	0.00	J-Sand
8,100.0	0.00	0.00	8,059.9	-699.2	267.0	748.5	0.00	0.00	
8,134.1	0.00	0.00	8,094.0	-699.2	267.0	748.5	0.00	0.00	TD at 8134.1 - Handke #4 PBHL

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Handke #4 PBHL	0.00	0.00	8,094.0	-699.2	267.0	1,171,587.00	3,271,640.51	39.800305	-104.533222
- hit/miss target									
- Shape									
- plan hits target center									
- Circle (radius 50.0)									

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Handke #4
Company:	Overland Resources LLC.	TVD Reference:	KBE @ 5475.0ft (Original Well Elev)
Project:	Adams County, CO	MD Reference:	KBE @ 5475.0ft (Original Well Elev)
Site:	SWSE S10-T3S-R62W	North Reference:	True
Well:	Handke #4	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #1		

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
200.0	200.0	Surface Casing	0.000	0.000

Formations				
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip Direction (°)
7,968.1	7,928.0	D-Sand		0.00
8,020.1	7,980.0	J-Sand		0.00

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
500.0	500.0	0.0	0.0	KOP @ 500'
1,133.1	1,131.8	-32.6	12.5	EOB; Inc=6.33°
7,287.0	7,248.2	-666.6	254.5	Start Drop -1.00
7,920.1	7,880.0	-699.2	267.0	EOD; Inc=0°
8,134.1	8,094.0	-699.2	267.0	TD at 8134.1