

Denver Division- Colorado

DJ - Hereford Ranch

Lion Creek 07-24H

Lion Creek 07-24H

Original Wellbore

Plan: APD Directional Plan

Standard Planning Report

05 November, 2010

EOG Resources Inc

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Site Lion Creek 07-24H
Company:	Denver Division- Colorado	TVD Reference:	Rig @ 5320.00ft (TBD)
Project:	DJ - Hereford Ranch	MD Reference:	Rig @ 5320.00ft (TBD)
Site:	Lion Creek 07-24H	North Reference:	True
Well:	Lion Creek 07-24H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	APD Directional Plan		

Project	DJ - Hereford Ranch, Weld County		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Colorado North 501		

Site	Lion Creek 07-24H		
Site Position:		Northing:	572,831.45 ft
From:	Lat/Long	Easting:	2,279,381.14 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	40° 54' 5.220 N
		Longitude:	104° 29' 21.851 W
		Grid Convergence:	0.65 deg

Well	Lion Creek 07-24H		
Well Position	+N/-S	0.00 ft	Northing: 572,831.45 ft
	+E/-W	0.00 ft	Easting: 2,279,381.14 ft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	40° 54' 5.220 N
		Longitude:	104° 29' 21.851 W
		Ground Level:	5,298.00 ft

Wellbore	Original Wellbore				
Magnetics	Model Name	Sample Date	Declination (deg)	Dip Angle (deg)	Field Strength (nT)
	IGRF200510	11/5/2010	8.80	67.53	53,502

Design	APD Directional Plan			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (deg)
	0.00	0.00	0.00	333.30

Plan Sections										
Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (?/100ft)	Build Rate (?/100ft)	Turn Rate (?/100ft)	TFO (deg)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7,003.53	0.00	0.00	7,003.53	0.00	0.00	0.00	0.00	0.00	0.00	
7,753.54	90.00	333.30	7,481.00	426.55	-214.54	12.00	12.00	0.00	333.30	
11,696.69	90.00	333.30	7,481.00	3,949.23	-1,986.31	0.00	0.00	0.00	0.00	Lion creek 7-24H (E)

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Site:	Lion Creek 07-24H	North Reference:	True
Well:	Lion Creek 07-24H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	APD Directional Plan		

Planned Survey									
Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (?/100ft)	Build Rate (?/100ft)	Turn Rate (?/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
9-5/8"									
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00

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Well:	Lion Creek 07-24H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	APD Directional Plan		

Planned Survey

Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (?/100ft)	Build Rate (?/100ft)	Turn Rate (?/100ft)
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00
7,003.53	0.00	0.00	7,003.53	0.00	0.00	0.00	0.00	0.00	0.00
7,100.00	11.58	333.30	7,099.35	8.68	-4.36	9.71	12.00	12.00	0.00
7,200.00	23.58	333.30	7,194.50	35.60	-17.91	39.85	12.00	12.00	0.00
7,300.00	35.58	333.30	7,281.31	79.62	-40.04	89.12	12.00	12.00	0.00
7,400.00	47.58	333.30	7,355.99	138.79	-69.81	155.36	12.00	12.00	0.00
7,500.00	59.58	333.30	7,415.25	210.55	-105.90	235.68	12.00	12.00	0.00
7,600.00	71.58	333.30	7,456.53	291.74	-146.73	326.56	12.00	12.00	0.00
7,700.00	83.58	333.30	7,478.00	378.83	-190.53	424.04	12.00	12.00	0.00
7,753.54	90.00	333.30	7,481.00	426.56	-214.54	477.47	12.00	12.00	0.00
7"									
7,800.00	90.00	333.30	7,481.00	468.06	-235.42	523.93	0.00	0.00	0.00
7,900.00	90.00	333.30	7,481.00	557.40	-280.35	623.93	0.00	0.00	0.00
8,000.00	90.00	333.30	7,481.00	646.74	-325.28	723.93	0.00	0.00	0.00
8,100.00	90.00	333.30	7,481.00	736.07	-370.22	823.93	0.00	0.00	0.00
8,200.00	90.00	333.30	7,481.00	825.41	-415.15	923.93	0.00	0.00	0.00
8,300.00	90.00	333.30	7,481.00	914.75	-460.08	1,023.93	0.00	0.00	0.00
8,400.00	90.00	333.30	7,481.00	1,004.08	-505.01	1,123.93	0.00	0.00	0.00
8,500.00	90.00	333.30	7,481.00	1,093.42	-549.95	1,223.93	0.00	0.00	0.00
8,600.00	90.00	333.30	7,481.00	1,182.76	-594.88	1,323.93	0.00	0.00	0.00
8,700.00	90.00	333.30	7,481.00	1,272.09	-639.81	1,423.93	0.00	0.00	0.00
8,800.00	90.00	333.30	7,481.00	1,361.43	-684.74	1,523.93	0.00	0.00	0.00
8,900.00	90.00	333.30	7,481.00	1,450.77	-729.68	1,623.93	0.00	0.00	0.00
9,000.00	90.00	333.30	7,481.00	1,540.10	-774.61	1,723.93	0.00	0.00	0.00
9,100.00	90.00	333.30	7,481.00	1,629.44	-819.54	1,823.93	0.00	0.00	0.00
9,200.00	90.00	333.30	7,481.00	1,718.78	-864.48	1,923.93	0.00	0.00	0.00
9,300.00	90.00	333.30	7,481.00	1,808.11	-909.41	2,023.93	0.00	0.00	0.00
9,400.00	90.00	333.30	7,481.00	1,897.45	-954.34	2,123.93	0.00	0.00	0.00
9,500.00	90.00	333.30	7,481.00	1,986.79	-999.27	2,223.93	0.00	0.00	0.00
9,600.00	90.00	333.30	7,481.00	2,076.12	-1,044.21	2,323.93	0.00	0.00	0.00
9,700.00	90.00	333.30	7,481.00	2,165.46	-1,089.14	2,423.93	0.00	0.00	0.00
9,800.00	90.00	333.30	7,481.00	2,254.80	-1,134.07	2,523.93	0.00	0.00	0.00
9,900.00	90.00	333.30	7,481.00	2,344.13	-1,179.01	2,623.93	0.00	0.00	0.00
10,000.00	90.00	333.30	7,481.00	2,433.47	-1,223.94	2,723.93	0.00	0.00	0.00
10,100.00	90.00	333.30	7,481.00	2,522.81	-1,268.87	2,823.93	0.00	0.00	0.00

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Project:	DJ - Hereford Ranch	MD Reference:	Rig @ 5320.00ft (TBD)
Site:	Lion Creek 07-24H	North Reference:	True
Well:	Lion Creek 07-24H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	APD Directional Plan		

Planned Survey									
Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (?/100ft)	Build Rate (?/100ft)	Turn Rate (?/100ft)
10,200.00	90.00	333.30	7,481.00	2,612.14	-1,313.80	2,923.93	0.00	0.00	0.00
10,300.00	90.00	333.30	7,481.00	2,701.48	-1,358.74	3,023.93	0.00	0.00	0.00
10,400.00	90.00	333.30	7,481.00	2,790.82	-1,403.67	3,123.93	0.00	0.00	0.00
10,500.00	90.00	333.30	7,481.00	2,880.15	-1,448.60	3,223.93	0.00	0.00	0.00
10,600.00	90.00	333.30	7,481.00	2,969.49	-1,493.54	3,323.93	0.00	0.00	0.00
10,700.00	90.00	333.30	7,481.00	3,058.83	-1,538.47	3,423.93	0.00	0.00	0.00
10,800.00	90.00	333.30	7,481.00	3,148.16	-1,583.40	3,523.93	0.00	0.00	0.00
10,900.00	90.00	333.30	7,481.00	3,237.50	-1,628.33	3,623.93	0.00	0.00	0.00
11,000.00	90.00	333.30	7,481.00	3,326.84	-1,673.27	3,723.93	0.00	0.00	0.00
11,100.00	90.00	333.30	7,481.00	3,416.17	-1,718.20	3,823.93	0.00	0.00	0.00
11,200.00	90.00	333.30	7,481.00	3,505.51	-1,763.13	3,923.93	0.00	0.00	0.00
11,300.00	90.00	333.30	7,481.00	3,594.85	-1,808.07	4,023.93	0.00	0.00	0.00
11,400.00	90.00	333.30	7,481.00	3,684.18	-1,853.00	4,123.93	0.00	0.00	0.00
11,500.00	90.00	333.30	7,481.00	3,773.52	-1,897.93	4,223.93	0.00	0.00	0.00
11,600.00	90.00	333.30	7,481.00	3,862.86	-1,942.86	4,323.93	0.00	0.00	0.00
11,696.69	90.00	333.30	7,481.00	3,949.23	-1,986.31	4,420.62	0.00	0.00	0.00
Lion creek 7-24H (BHL)									

Targets									
Target Name	- hit/miss target	Dip Angle (deg)	Dip Dir. (deg)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude Longitude
Lion creek 7-24H (BH)	- plan hits target center	0.00	0.00	7,481.00	3,949.23	-1,986.31	576,757.78	2,277,349.96	40° 54' 44.240 N 104° 29' 47.720 W
	- Point								

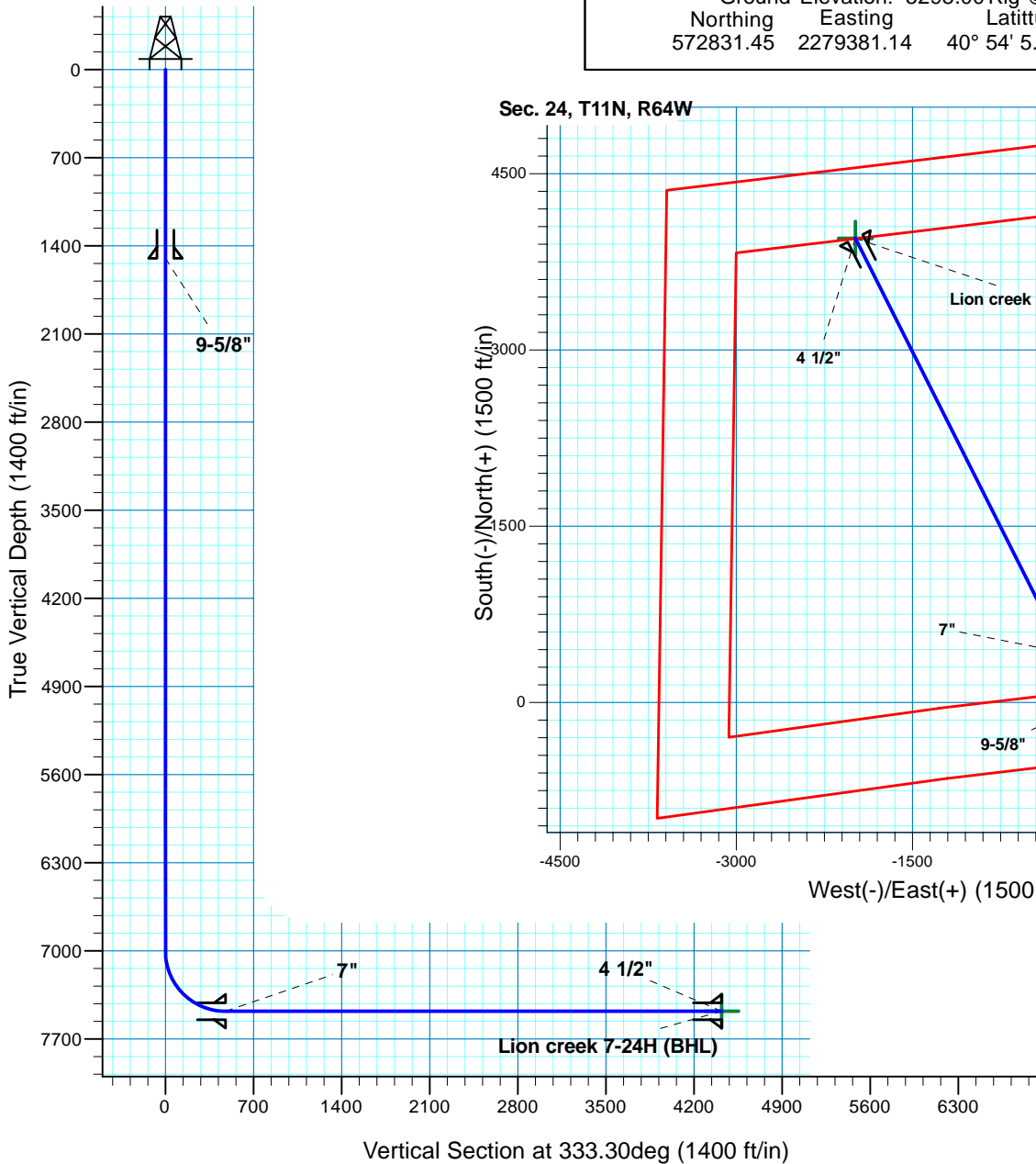
Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
1,500.00	1,500.00	9-5/8"	9-5/8	13-1/2	
7,753.54	7,481.00	7"	7	8-3/4	
11,696.69	7,481.00	4 1/2"	4-1/2	6	

Lion Creek 07-24H

Section 24 T11N R64W
Weld County, CO

Surface Location

NAD 1927 (NADCON CONUS) Colorado North 501
Ground Elevation: 5298.00 Rig @ 5320.00ft (TBD)
Northing Easting Latitude Longitude
572831.45 2279381.14 40° 54' 5.220 N 104° 29' 21.851 W



T M
Azimuths to True North
Magnetic North: 8.80°
Magnetic Field
Strength: 53501.8snT
Dip Angle: 67.53°
Date: 11/5/2010
Model: IGRF200510

Project: DJ - Hereford Ranch
Site: Lion Creek 07-24H
Well: Lion Creek 07-24H
Plan: APD Directional Plan

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	7003.53	0.00	0.00	7003.53	0.00	0.00	0.00	0.00	0.00	
3	7753.54	90.00	333.30	7481.00	426.55	-214.54	12.00	333.30	477.47	
4	11696.69	90.00	333.30	7481.00	3949.23	-1986.31	0.00	0.00	4420.62	Lion creek 7-24H (BHL)

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Lion creek 7-24H (BHL)	7481.00	3949.23	-1986.31	576757.78	2277349.96	40° 54' 44.240 N	104° 29' 47.720 W	Point