

Denver Division- Colorado

DJ - Hereford Ranch

Fiscus Mesa 07-08H

Fiscus Mesa 07-08H

Original Wellbore

Plan: APD Directional Plan

Standard Planning Report

12 January, 2011

EOG Resources Inc

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Site Fiscus Mesa 07-08H
Company:	Denver Division- Colorado	TVD Reference:	RIG @ 4810.00ft (TBD)
Project:	DJ - Hereford Ranch	MD Reference:	RIG @ 4810.00ft (TBD)
Site:	Fiscus Mesa 07-08H	North Reference:	True
Well:	Fiscus Mesa 07-08H	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	Fiscus Mesa 07-08H		
Site Position:		Northing:	523,788.65 ft
From:	Lat/Long	Easting:	2,448,737.33 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	40° 45' 35.860 N
		Longitude:	103° 52' 48.529 W
		Grid Convergence:	1.05 deg

Well	Fiscus Mesa 07-08H		
Well Position	+N/-S	0.00 ft	Northing: 523,788.65 ft
	+E/-W	0.00 ft	Easting: 2,448,737.33 ft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	40° 45' 35.860 N
		Longitude:	103° 52' 48.529 W
		Ground Level:	4,788.00 ft

Wellbore	Original Wellbore				
Magnetics	Model Name	Sample Date	Declination (deg)	Dip Angle (deg)	Field Strength (nT)
	IGRF200510	1/12/2011	8.42	67.54	53,493

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	332.94

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	
5,342.53	0.00	0.00	5,342.53	0.00	0.00	0.00	0.00	0.00	0.00	
6,092.54	90.00	332.94	5,820.00	425.19	-217.22	12.00	12.00	0.00	332.94	
10,309.83	90.00	332.94	5,820.00	4,180.76	-2,135.89	0.00	0.00	0.00	0.00	Fiscus Mesa 07-08H

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Site:	Fiscus Mesa 07-08H	North Reference:	True
Well:	Fiscus Mesa 07-08H	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
9-5/8"									
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
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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Site:	Fiscus Mesa 07-08H	North Reference:	True
Well:	Fiscus Mesa 07-08H	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
5,342.53	0.00	0.00	5,342.53	0.00	0.00	0.00	0.00	0.00	0.00
5,400.00	6.90	332.94	5,399.86	3.08	-1.57	3.45	12.00	12.00	0.00
5,500.00	18.90	332.94	5,497.16	22.91	-11.71	25.73	12.00	12.00	0.00
5,600.00	30.90	332.94	5,587.70	60.33	-30.82	67.75	12.00	12.00	0.00
5,700.00	42.90	332.94	5,667.53	113.70	-58.09	127.68	12.00	12.00	0.00
5,800.00	54.90	332.94	5,733.15	180.68	-92.31	202.89	12.00	12.00	0.00
5,900.00	66.90	332.94	5,781.70	258.34	-131.98	290.11	12.00	12.00	0.00
6,000.00	78.90	332.94	5,811.06	343.30	-175.39	385.51	12.00	12.00	0.00
6,092.54	90.00	332.94	5,820.00	425.19	-217.23	477.47	12.00	12.00	0.00
7"									
6,100.00	90.00	332.94	5,820.00	431.84	-220.62	484.93	0.00	0.00	0.00
6,200.00	90.00	332.94	5,820.00	520.89	-266.11	584.93	0.00	0.00	0.00
6,300.00	90.00	332.94	5,820.00	609.94	-311.61	684.93	0.00	0.00	0.00
6,400.00	90.00	332.94	5,820.00	698.99	-357.11	784.93	0.00	0.00	0.00
6,500.00	90.00	332.94	5,820.00	788.04	-402.60	884.93	0.00	0.00	0.00
6,600.00	90.00	332.94	5,820.00	877.10	-448.10	984.93	0.00	0.00	0.00
6,700.00	90.00	332.94	5,820.00	966.15	-493.59	1,084.93	0.00	0.00	0.00
6,800.00	90.00	332.94	5,820.00	1,055.20	-539.09	1,184.93	0.00	0.00	0.00
6,900.00	90.00	332.94	5,820.00	1,144.25	-584.58	1,284.93	0.00	0.00	0.00
7,000.00	90.00	332.94	5,820.00	1,233.30	-630.08	1,384.93	0.00	0.00	0.00
7,100.00	90.00	332.94	5,820.00	1,322.35	-675.57	1,484.93	0.00	0.00	0.00
7,200.00	90.00	332.94	5,820.00	1,411.41	-721.07	1,584.93	0.00	0.00	0.00
7,300.00	90.00	332.94	5,820.00	1,500.46	-766.56	1,684.93	0.00	0.00	0.00
7,400.00	90.00	332.94	5,820.00	1,589.51	-812.06	1,784.93	0.00	0.00	0.00
7,500.00	90.00	332.94	5,820.00	1,678.56	-857.55	1,884.93	0.00	0.00	0.00
7,600.00	90.00	332.94	5,820.00	1,767.61	-903.05	1,984.93	0.00	0.00	0.00
7,700.00	90.00	332.94	5,820.00	1,856.66	-948.54	2,084.93	0.00	0.00	0.00
7,800.00	90.00	332.94	5,820.00	1,945.72	-994.04	2,184.93	0.00	0.00	0.00
7,900.00	90.00	332.94	5,820.00	2,034.77	-1,039.53	2,284.93	0.00	0.00	0.00
8,000.00	90.00	332.94	5,820.00	2,123.82	-1,085.03	2,384.93	0.00	0.00	0.00
8,100.00	90.00	332.94	5,820.00	2,212.87	-1,130.52	2,484.93	0.00	0.00	0.00
8,200.00	90.00	332.94	5,820.00	2,301.92	-1,176.02	2,584.93	0.00	0.00	0.00
8,300.00	90.00	332.94	5,820.00	2,390.97	-1,221.51	2,684.93	0.00	0.00	0.00
8,400.00	90.00	332.94	5,820.00	2,480.03	-1,267.01	2,784.93	0.00	0.00	0.00
8,500.00	90.00	332.94	5,820.00	2,569.08	-1,312.50	2,884.93	0.00	0.00	0.00
8,600.00	90.00	332.94	5,820.00	2,658.13	-1,358.00	2,984.93	0.00	0.00	0.00
8,700.00	90.00	332.94	5,820.00	2,747.18	-1,403.49	3,084.93	0.00	0.00	0.00
8,800.00	90.00	332.94	5,820.00	2,836.23	-1,448.99	3,184.93	0.00	0.00	0.00
8,900.00	90.00	332.94	5,820.00	2,925.28	-1,494.48	3,284.93	0.00	0.00	0.00
9,000.00	90.00	332.94	5,820.00	3,014.34	-1,539.98	3,384.93	0.00	0.00	0.00
9,100.00	90.00	332.94	5,820.00	3,103.39	-1,585.47	3,484.93	0.00	0.00	0.00
9,200.00	90.00	332.94	5,820.00	3,192.44	-1,630.97	3,584.93	0.00	0.00	0.00
9,300.00	90.00	332.94	5,820.00	3,281.49	-1,676.46	3,684.93	0.00	0.00	0.00
9,400.00	90.00	332.94	5,820.00	3,370.54	-1,721.96	3,784.93	0.00	0.00	0.00
9,500.00	90.00	332.94	5,820.00	3,459.59	-1,767.45	3,884.93	0.00	0.00	0.00
9,600.00	90.00	332.94	5,820.00	3,548.65	-1,812.95	3,984.93	0.00	0.00	0.00
9,700.00	90.00	332.94	5,820.00	3,637.70	-1,858.44	4,084.93	0.00	0.00	0.00
9,800.00	90.00	332.94	5,820.00	3,726.75	-1,903.94	4,184.93	0.00	0.00	0.00
9,900.00	90.00	332.94	5,820.00	3,815.80	-1,949.43	4,284.93	0.00	0.00	0.00
10,000.00	90.00	332.94	5,820.00	3,904.85	-1,994.93	4,384.93	0.00	0.00	0.00
10,100.00	90.00	332.94	5,820.00	3,993.90	-2,040.43	4,484.93	0.00	0.00	0.00

EOG Resources Inc

Planning Report

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Project:	DJ - Hereford Ranch	MD Reference:	RIG @ 4810.00ft (TBD)
Site:	Fiscus Mesa 07-08H	North Reference:	True
Well:	Fiscus Mesa 07-08H	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	332.94	5,820.00	4,082.95	-2,085.92	4,584.93	0.00	0.00	0.00
10,300.00	90.00	332.94	5,820.00	4,172.01	-2,131.42	4,684.93	0.00	0.00	0.00
10,309.83	90.00	332.94	5,820.00	4,180.76	-2,135.89	4,694.76	0.00	0.00	0.00
Fiscus Mesa 07-08H (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
- Shape									
Fiscus Mesa 07-08H (0.00	0.00	5,820.00	4,180.76	-2,135.89	527,929.69	2,446,525.44	40° 46' 17.170 N	103° 53' 16.289 W
- plan hits target center									
- Point									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
800.00	800.00	9-5/8"	9-5/8	13-1/2
6,092.54	5,820.00	7"	7	8-3/4
10,309.83	5,820.00	4 1/2"	4-1/2	6-1/4

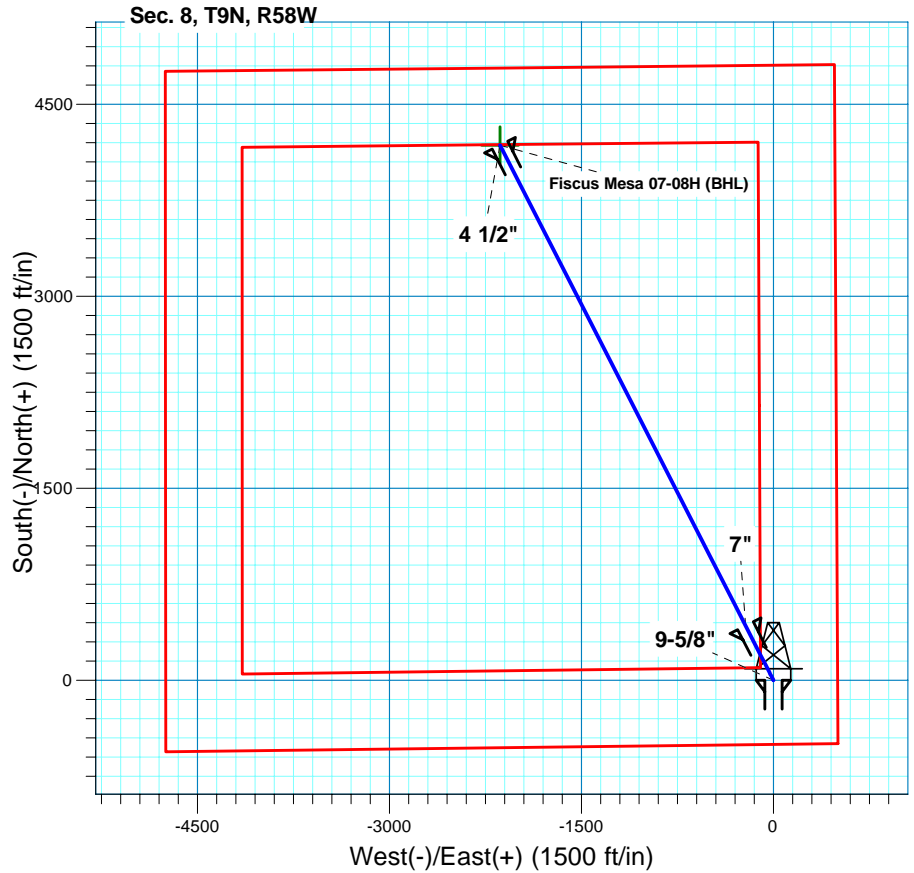
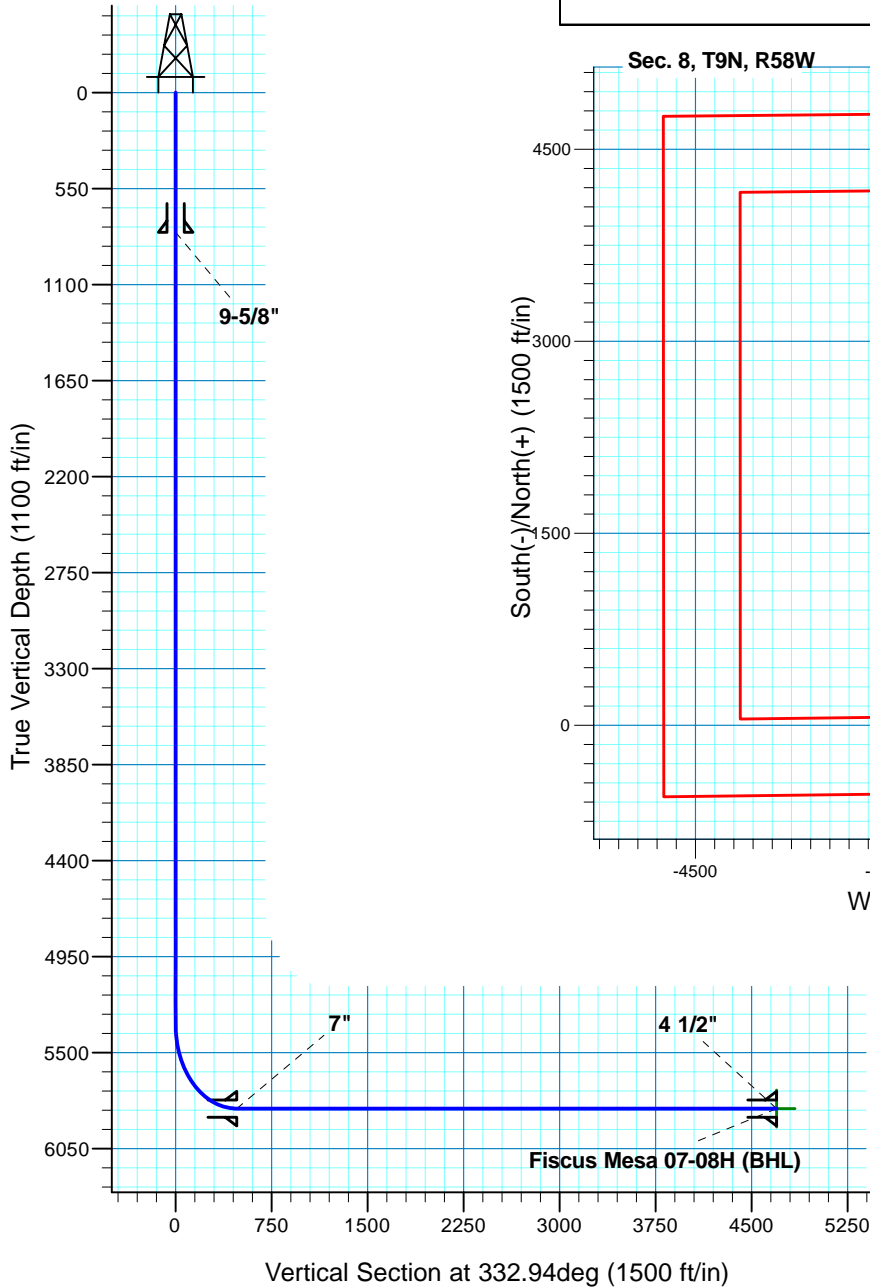
Fiscus Mesa 07-08H

Section 8 T9N R58W

Weld County, CO

Surface Location

NAD 1927 (NADCON CONUS) Colorado North 501
 Ground Elevation: 4788.00 RIG @ 4810.00ft (TBD)
 Northing Easting Latitude Longitude
 523788.65 2448737.33 40° 45' 35.860 N 103° 52' 48.529 W



T M
 Azimuths to True North
 Magnetic North: 8.42°
 Magnetic Field
 Strength: 53493.1nT
 Dip Angle: 67.54°
 Date: 1/12/2011
 Model: IGRF200510

Project: DJ - Hereford Ranch
 Site: Fiscus Mesa 07-08H
 Well: Fiscus Mesa 07-08H
 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	5342.53	0.00	0.00	5342.53	0.00	0.00	0.00	0.00	0.00	
3	6092.54	90.00	332.94	5820.00	425.19	-217.22	12.00	332.94	477.47	
4	10309.83	90.00	332.94	5820.00	4180.76	-2135.89	0.00	0.00	4694.76	Fiscus Mesa 07-08H (BHL)

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape Point
Fiscus Mesa 07-08H (BHL)	5820.00	4180.76	-2135.89	527929.69	2446525.44	40° 46' 17.170 N	103° 53' 16.289 W	