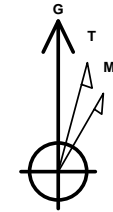




Company: B.P.
Project: La Plata County, CO NAD83
Site: East Sauls Creek Pad
Well: East Sauls Creek 26-1 2
Wellbore: Lower Lateral 1 (Drainage)
Design: Plan #3

PROJECT DETAILS: La Plata County, CO NAD83

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Southern Zone
System Datum: Mean Sea Level
Local North: Grid



Azimuths to Grid North
True North: 1.23°
Magnetic North: 10.63°

Magnetic Field
Strength: 50334.7snT
Dip Angle: 63.80°
Date: 9/30/2016
Model: HDGM

WELL DETAILS: East Sauls Creek 26-1 2

GL 7339' & RKB 11' @ 7350.00usft (Aztec 507)

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	1227806.45	2414712.24	37.2749933	-107.5116244

Plan: Plan #3 (East Sauls Creek 26-1 2/Lower Lateral 1 (Drainage))

Created By: Janie Collins Date: 10:10, November 02 2016

DESIGN TARGET DETAILS

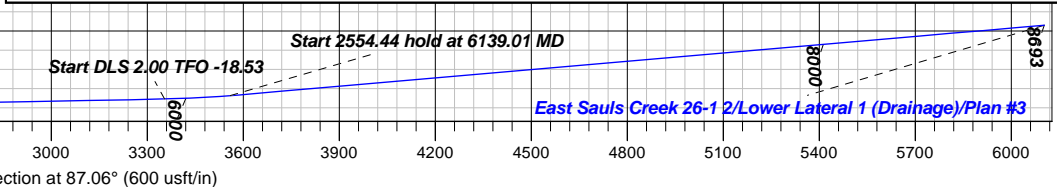
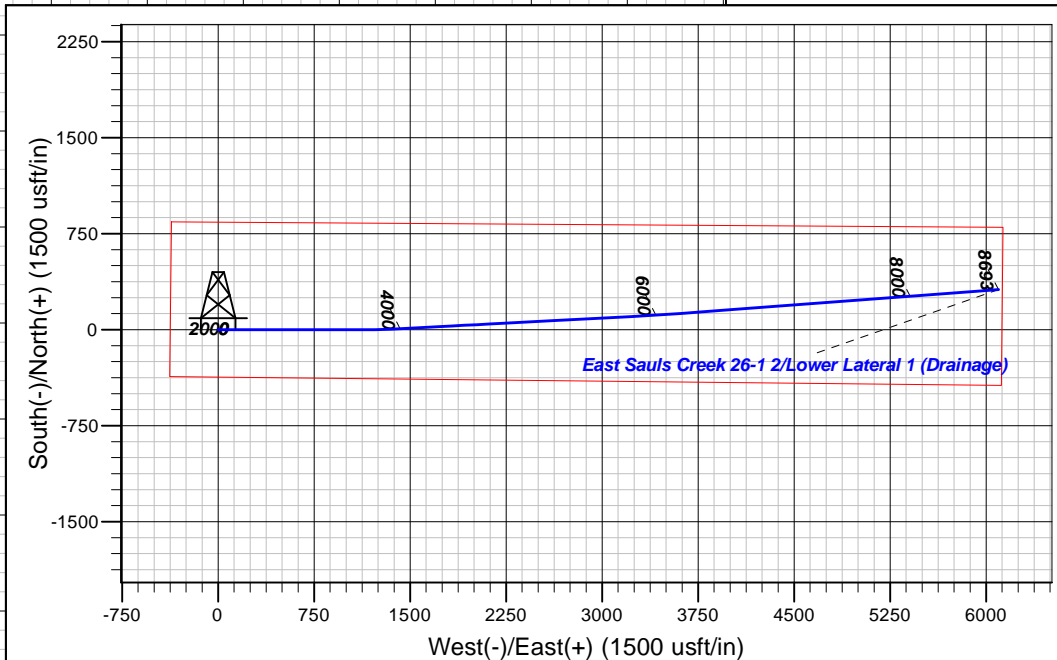
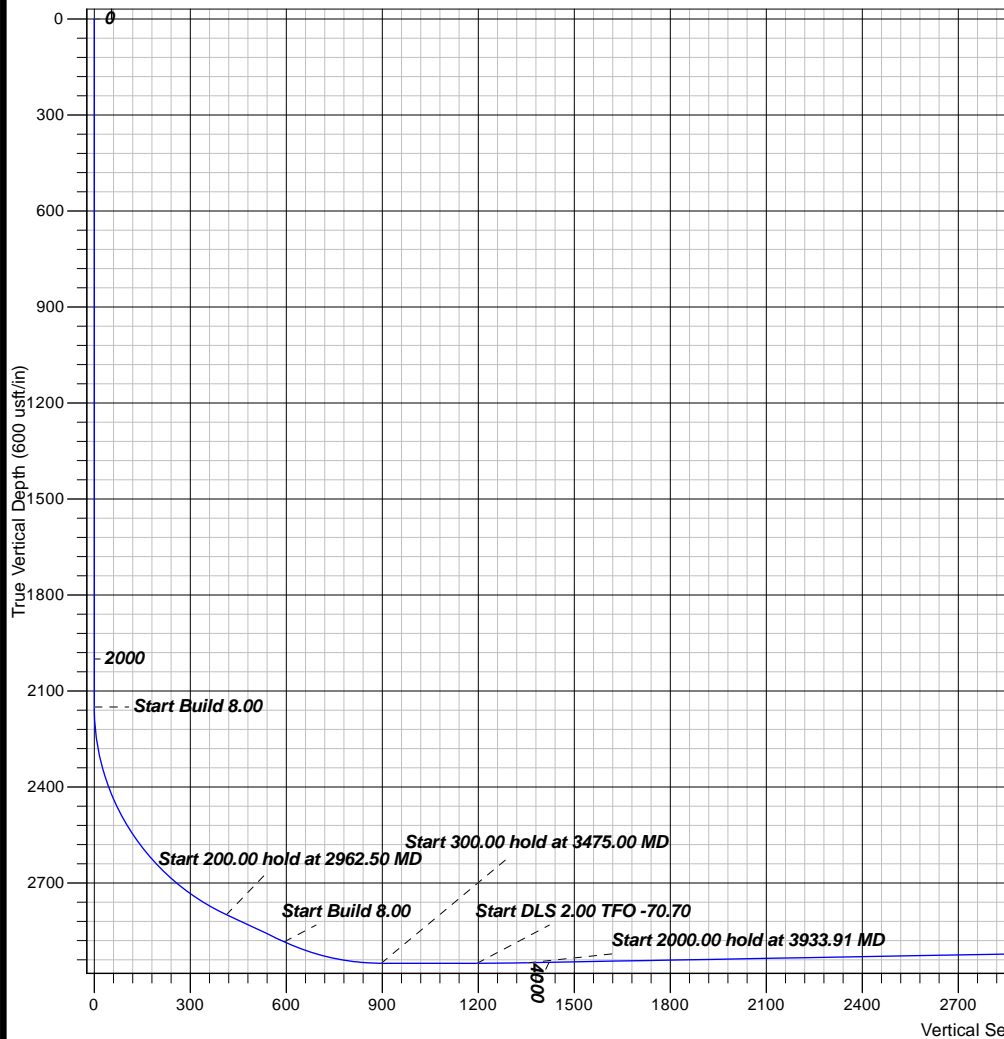
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
ESC 26-1 2 Drainage PBHL	2682.00	313.02	6095.34	1228119.47	2420807.58	37.2762114	-107.4907042
ESC 26-1 2 Drainage LP	2782.00	35.91	699.08	1227842.36	2415411.32	37.2751332	-107.5092251

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2150.00	0.00	360.00	2150.00	0.00	0.00	0.00	360.00	0.00	
2962.50	65.00	90.00	2799.10	0.00	413.52	8.00	90.00	412.98	
3162.50	65.00	90.00	2883.62	0.00	594.78	0.00	0.00	594.00	
3475.00	90.00	90.00	2950.72	0.00	897.46	8.00	0.00	896.28	
3775.00	90.00	90.00	2950.72	0.00	1197.46	0.00	0.00	1195.88	
3933.91	91.05	87.00	2949.26	4.16	1356.29	2.00	-70.70	1354.72	
5933.91	91.05	87.00	2912.61	108.81	3353.22	0.00	0.00	3354.38	
6139.01	94.94	85.69	2901.90	121.86	3557.57	2.00	-18.53	3559.14	
8693.45	94.94	85.69	2682.00	313.02	6095.34	0.00	0.00	6103.85	ESC 26-1 2 Drainage PBHL

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
11.00	11.00	Animas
1000.00	1000.00	Lower Animas
1540.00	1540.00	Kirtland Shale
1765.00	1765.00	Farmington Sandstone
2235.00	2235.20	Lower Kirtland Shale
2340.00	2342.30	Fruitland
2395.00	2400.05	Bayfield Coal Zone Top
2440.00	2448.57	Bayfield Coal Zone Base
2500.00	2515.68	Lemon Coal Zone Top
2525.00	2544.67	Lemon Coal Zone Base
2530.00	2550.56	Lemon Coal Zone Top
2545.00	2565.46	Lemon Coal Zone Base
2715.00	2801.80	Pictured Cliffs "Tongue 3 Ss"
2770.00	2899.60	Pictured Cliffs "Tongue 2 Ss"
2830.00	3035.60	Pictured Cliffs "Tongue 1 Ss"
2885.00	3165.78	Pictured Cliffs Main Ss





B.P.

**La Plata County, CO NAD83
East Sauls Creek Pad
East Sauls Creek 26-1 2**

Lower Lateral 1 (Drainage)

Plan: Plan #3

Standard Planning Report

02 November, 2016





Database:	Grand Junction District	Local Co-ordinate Reference:	Well East Sauls Creek 26-1 2
Company:	B.P.	TVD Reference:	GL 7339' & RKB 11' @ 7350.00usft (Aztec 507)
Project:	La Plata County, CO NAD83	MD Reference:	GL 7339' & RKB 11' @ 7350.00usft (Aztec 507)
Site:	East Sauls Creek Pad	North Reference:	Grid
Well:	East Sauls Creek 26-1 2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lower Lateral 1 (Drainage)		
Design:	Plan #3		

Project	La Plata County, CO NAD83		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Southern Zone		

Site	East Sauls Creek Pad			
Site Position:		Northing:	1,227,806.45 usft	Latitude: 37.2749933
From: Map		Easting:	2,414,712.24 usft	Longitude: -107.5116245
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in	Grid Convergence: -1.23 °

Well	East Sauls Creek 26-1 2			
Well Position	+N/-S	0.00 usft	Northing:	1,227,806.45 usft
	+E/-W	0.00 usft	Easting:	2,414,712.24 usft
Position Uncertainty	0.00 usft		Wellhead Elevation:	0.00 usft
			Ground Level:	7,340.23 usft

Wellbore	Lower Lateral 1 (Drainage)				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	9/30/2016	9.40	63.80	50,335

Design	Plan #3			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	87.06

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,150.00	0.00	360.00	2,150.00	0.00	0.00	0.00	0.00	0.00	360.00	
2,962.50	65.00	90.00	2,799.10	0.00	413.52	8.00	8.00	0.00	90.00	
3,162.50	65.00	90.00	2,883.62	0.00	594.78	0.00	0.00	0.00	0.00	
3,475.00	90.00	90.00	2,950.72	0.00	897.46	8.00	8.00	0.00	0.00	
3,775.00	90.00	90.00	2,950.72	0.00	1,197.46	0.00	0.00	0.00	0.00	
3,933.91	91.05	87.00	2,949.26	4.16	1,356.29	2.00	0.66	-1.89	-70.70	
5,933.91	91.05	87.00	2,912.61	108.81	3,353.22	0.00	0.00	0.00	0.00	
6,139.01	94.94	85.69	2,901.90	121.86	3,557.57	2.00	1.90	-0.64	-18.53	
8,693.45	94.94	85.69	2,682.00	313.02	6,095.34	0.00	0.00	0.00	0.00	ESC 26-1 2 Drainage



Database:	Grand Junction District	Local Co-ordinate Reference:	Well East Sauls Creek 26-1 2
Company:	B.P.	TVD Reference:	GL 7339' & RKB 11' @ 7350.00usft (Aztec 507)
Project:	La Plata County, CO NAD83	MD Reference:	GL 7339' & RKB 11' @ 7350.00usft (Aztec 507)
Site:	East Sauls Creek Pad	North Reference:	Grid
Well:	East Sauls Creek 26-1 2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lower Lateral 1 (Drainage)		
Design:	Plan #3		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.00	0.00	0.00	11.00	0.00	0.00	0.00	0.00	0.00	0.00
Animas									
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
Lower Animas									
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
1,540.00	0.00	0.00	1,540.00	0.00	0.00	0.00	0.00	0.00	0.00
Kirtland Shale									
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
1,765.00	0.00	0.00	1,765.00	0.00	0.00	0.00	0.00	0.00	0.00
Farmington Sandstone									
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
2,150.00	0.00	360.00	2,150.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	4.00	90.00	2,199.96	0.00	1.74	1.74	8.00	8.00	0.00
2,235.20	6.82	90.00	2,235.00	0.00	5.06	5.06	8.00	8.00	0.00
Lower Kirtland Shale									
2,300.00	12.00	90.00	2,298.91	0.00	15.65	15.63	8.00	8.00	0.00
2,342.30	15.38	90.00	2,340.00	0.00	25.66	25.63	8.00	8.00	0.00
Fruitland									
2,400.00	20.00	90.00	2,394.95	0.00	43.19	43.14	8.00	8.00	0.00
2,400.05	20.00	90.00	2,395.00	0.00	43.21	43.15	0.00	0.00	0.00
Bayfield Coal Zone Top									
2,448.57	23.89	90.00	2,440.00	0.00	61.34	61.26	8.01	8.01	0.00
Bayfield Coal Zone Base									
2,500.00	28.00	90.00	2,486.23	0.00	83.83	83.72	8.00	8.00	0.00
2,515.68	29.25	90.00	2,500.00	0.00	91.35	91.23	8.00	8.00	0.00
Lemon Coal Zone Top									
2,544.67	31.57	90.00	2,525.00	0.00	106.02	105.88	8.00	8.00	0.00
Lemon Coal Zone Base									
2,550.56	32.04	90.00	2,530.00	0.00	109.12	108.98	8.00	8.00	0.00
Lower Lemon Coal Zone Top									
2,568.40	33.47	90.00	2,545.00	0.00	118.77	118.62	8.00	8.00	0.00
Lower Lemon Coal Zone Base									
2,600.00	36.00	90.00	2,570.97	0.00	136.78	136.60	8.00	8.00	0.00



Database:	Grand Junction District	Local Co-ordinate Reference:	Well East Sauls Creek 26-1 2
Company:	B.P.	TVD Reference:	GL 7339' & RKB 11' @ 7350.00usft (Aztec 507)
Project:	La Plata County, CO NAD83	MD Reference:	GL 7339' & RKB 11' @ 7350.00usft (Aztec 507)
Site:	East Sauls Creek Pad	North Reference:	Grid
Well:	East Sauls Creek 26-1 2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lower Lateral 1 (Drainage)		
Design:	Plan #3		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,700.00	44.00	90.00	2,647.51	0.00	201.01	200.74	8.00	8.00	0.00
2,800.00	52.00	90.00	2,714.37	0.00	275.26	274.90	8.00	8.00	0.00
2,801.02	52.08	90.00	2,715.00	0.00	276.07	275.70	8.00	8.00	0.00
Pictured Cliffs "Tongue 3 Ss"									
2,899.51	59.96	90.00	2,770.00	0.00	357.67	357.20	8.00	8.00	0.00
Pictured Cliffs "Tongue 2 Ss"									
2,900.00	60.00	90.00	2,770.25	0.00	358.10	357.63	8.00	8.00	0.00
2,962.50	65.00	90.00	2,799.10	0.00	413.52	412.98	8.00	8.00	0.00
3,000.00	65.00	90.00	2,814.94	0.00	447.51	446.92	0.00	0.00	0.00
3,035.63	65.00	90.00	2,830.00	0.00	479.79	479.16	0.00	0.00	0.00
Pictured Cliffs "Tongue 1 Ss"									
3,100.00	65.00	90.00	2,857.21	0.00	538.14	537.43	0.00	0.00	0.00
3,162.50	65.00	90.00	2,883.62	0.00	594.78	594.00	0.00	0.00	0.00
3,165.78	65.26	90.00	2,885.00	0.00	597.76	596.97	8.00	8.00	0.00
Pictured Cliffs Main Ss									
3,200.00	68.00	90.00	2,898.57	0.00	629.17	628.34	8.00	8.00	0.00
3,230.49	70.44	90.00	2,909.39	0.00	657.67	656.81	8.00	8.00	0.00
ESC 26-1 2 Drainage LP									
3,300.00	76.00	90.00	2,929.45	0.00	724.20	723.24	8.00	8.00	0.00
3,400.00	84.00	90.00	2,946.80	0.00	822.60	821.51	8.00	8.00	0.00
3,475.00	90.00	90.00	2,950.72	0.00	897.46	896.28	8.00	8.00	0.00
3,500.00	90.00	90.00	2,950.72	0.00	922.46	921.24	0.00	0.00	0.00
3,600.00	90.00	90.00	2,950.72	0.00	1,022.46	1,021.11	0.00	0.00	0.00
3,700.00	90.00	90.00	2,950.72	0.00	1,122.46	1,120.98	0.00	0.00	0.00
3,775.00	90.00	90.00	2,950.72	0.00	1,197.46	1,195.88	0.00	0.00	0.00
3,800.00	90.17	89.53	2,950.68	0.10	1,222.46	1,220.86	2.00	0.66	-1.89
3,900.00	90.83	87.64	2,949.82	2.57	1,322.42	1,320.81	2.00	0.66	-1.89
3,933.91	91.05	87.00	2,949.26	4.16	1,356.29	1,354.72	2.00	0.66	-1.89
4,000.00	91.05	87.00	2,948.05	7.62	1,422.28	1,420.79	0.00	0.00	0.00
4,100.00	91.05	87.00	2,946.22	12.85	1,522.12	1,520.78	0.00	0.00	0.00
4,200.00	91.05	87.00	2,944.39	18.08	1,621.97	1,620.76	0.00	0.00	0.00
4,300.00	91.05	87.00	2,942.56	23.32	1,721.81	1,720.74	0.00	0.00	0.00
4,400.00	91.05	87.00	2,940.72	28.55	1,821.66	1,820.73	0.00	0.00	0.00
4,500.00	91.05	87.00	2,938.89	33.78	1,921.51	1,920.71	0.00	0.00	0.00
4,600.00	91.05	87.00	2,937.06	39.01	2,021.35	2,020.69	0.00	0.00	0.00
4,700.00	91.05	87.00	2,935.23	44.25	2,121.20	2,120.68	0.00	0.00	0.00
4,800.00	91.05	87.00	2,933.39	49.48	2,221.05	2,220.66	0.00	0.00	0.00
4,900.00	91.05	87.00	2,931.56	54.71	2,320.89	2,320.64	0.00	0.00	0.00
5,000.00	91.05	87.00	2,929.73	59.94	2,420.74	2,420.63	0.00	0.00	0.00
5,100.00	91.05	87.00	2,927.90	65.18	2,520.58	2,520.61	0.00	0.00	0.00
5,200.00	91.05	87.00	2,926.06	70.41	2,620.43	2,620.59	0.00	0.00	0.00
5,300.00	91.05	87.00	2,924.23	75.64	2,720.28	2,720.58	0.00	0.00	0.00
5,400.00	91.05	87.00	2,922.40	80.87	2,820.12	2,820.56	0.00	0.00	0.00
5,500.00	91.05	87.00	2,920.57	86.11	2,919.97	2,920.54	0.00	0.00	0.00
5,600.00	91.05	87.00	2,918.73	91.34	3,019.81	3,020.53	0.00	0.00	0.00
5,700.00	91.05	87.00	2,916.90	96.57	3,119.66	3,120.51	0.00	0.00	0.00
5,800.00	91.05	87.00	2,915.07	101.81	3,219.51	3,220.49	0.00	0.00	0.00
5,900.00	91.05	87.00	2,913.24	107.04	3,319.35	3,320.47	0.00	0.00	0.00
5,933.91	91.05	87.00	2,912.61	108.81	3,353.22	3,354.38	0.00	0.00	0.00
6,000.00	92.30	86.58	2,910.68	112.51	3,419.17	3,420.44	2.00	1.90	-0.64
6,100.00	94.20	85.94	2,905.01	119.02	3,518.79	3,520.26	2.00	1.90	-0.64



Database:	Grand Junction District	Local Co-ordinate Reference:	Well East Sauls Creek 26-1 2
Company:	B.P.	TVD Reference:	GL 7339' & RKB 11' @ 7350.00usft (Aztec 507)
Project:	La Plata County, CO NAD83	MD Reference:	GL 7339' & RKB 11' @ 7350.00usft (Aztec 507)
Site:	East Sauls Creek Pad	North Reference:	Grid
Well:	East Sauls Creek 26-1 2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lower Lateral 1 (Drainage)		
Design:	Plan #3		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,139.01	94.94	85.69	2,901.90	121.86	3,557.57	3,559.14	2.00	1.90	-0.64
6,200.00	94.94	85.69	2,896.65	126.42	3,618.16	3,619.89	0.00	0.00	0.00
6,300.00	94.94	85.69	2,888.04	133.91	3,717.51	3,719.49	0.00	0.00	0.00
6,400.00	94.94	85.69	2,879.44	141.39	3,816.86	3,819.09	0.00	0.00	0.00
6,500.00	94.94	85.69	2,870.83	148.87	3,916.21	3,918.69	0.00	0.00	0.00
6,600.00	94.94	85.69	2,862.22	156.36	4,015.55	4,018.29	0.00	0.00	0.00
6,700.00	94.94	85.69	2,853.61	163.84	4,114.90	4,117.89	0.00	0.00	0.00
6,800.00	94.94	85.69	2,845.00	171.32	4,214.25	4,217.49	0.00	0.00	0.00
6,900.00	94.94	85.69	2,836.39	178.81	4,313.59	4,317.09	0.00	0.00	0.00
7,000.00	94.94	85.69	2,827.78	186.29	4,412.94	4,416.69	0.00	0.00	0.00
7,100.00	94.94	85.69	2,819.17	193.77	4,512.29	4,516.29	0.00	0.00	0.00
7,200.00	94.94	85.69	2,810.57	201.26	4,611.64	4,615.89	0.00	0.00	0.00
7,300.00	94.94	85.69	2,801.96	208.74	4,710.98	4,715.49	0.00	0.00	0.00
7,400.00	94.94	85.69	2,793.35	216.22	4,810.33	4,815.09	0.00	0.00	0.00
7,500.00	94.94	85.69	2,784.74	223.71	4,909.68	4,914.69	0.00	0.00	0.00
7,600.00	94.94	85.69	2,776.13	231.19	5,009.03	5,014.29	0.00	0.00	0.00
7,700.00	94.94	85.69	2,767.52	238.68	5,108.37	5,113.89	0.00	0.00	0.00
7,800.00	94.94	85.69	2,758.91	246.16	5,207.72	5,213.49	0.00	0.00	0.00
7,900.00	94.94	85.69	2,750.31	253.64	5,307.07	5,313.09	0.00	0.00	0.00
8,000.00	94.94	85.69	2,741.70	261.13	5,406.41	5,412.69	0.00	0.00	0.00
8,100.00	94.94	85.69	2,733.09	268.61	5,505.76	5,512.29	0.00	0.00	0.00
8,200.00	94.94	85.69	2,724.48	276.09	5,605.11	5,611.89	0.00	0.00	0.00
8,300.00	94.94	85.69	2,715.87	283.58	5,704.46	5,711.49	0.00	0.00	0.00
8,400.00	94.94	85.69	2,707.26	291.06	5,803.80	5,811.09	0.00	0.00	0.00
8,500.00	94.94	85.69	2,698.65	298.54	5,903.15	5,910.69	0.00	0.00	0.00
8,600.00	94.94	85.69	2,690.04	306.03	6,002.50	6,010.29	0.00	0.00	0.00
8,664.38	94.94	85.69	2,684.50	310.84	6,066.45	6,074.41	0.00	0.00	0.00
ESC 26-1 2 Lower Xing PBHL2									
8,693.45	94.94	85.69	2,682.00	313.02	6,095.34	6,103.37	0.00	0.00	0.00
ESC 26-1 2 Drainage PBHL									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
ESC 26-1 2 Drainage PE - plan hits target center - Point	0.00	360.00	2,682.00	313.02	6,095.34	1,228,119.47	2,420,807.58	37.2762114	-107.4907042
ESC 26-1 2 Drainage LF - plan misses target center by 138.63usft at 3224.01usft MD (2907.19 TVD, 0.00 N, 651.57 E) - Point	0.00	360.00	2,782.00	35.91	699.08	1,227,842.36	2,415,411.32	37.2751332	-107.5092252



Database:	Grand Junction District	Local Co-ordinate Reference:	Well East Sauls Creek 26-1 2
Company:	B.P.	TVD Reference:	GL 7339' & RKB 11' @ 7350.00usft (Aztec 507)
Project:	La Plata County, CO NAD83	MD Reference:	GL 7339' & RKB 11' @ 7350.00usft (Aztec 507)
Site:	East Sauls Creek Pad	North Reference:	Grid
Well:	East Sauls Creek 26-1 2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lower Lateral 1 (Drainage)		
Design:	Plan #3		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
11.00	11.00	Animas		0.00	360.00	
1,000.00	1,000.00	Lower Animas		0.00	360.00	
1,540.00	1,540.00	Kirtland Shale		0.00	360.00	
1,765.00	1,765.00	Farmington Sandstone		0.00	360.00	
2,235.20	2,235.00	Lower Kirtland Shale		0.00	360.00	
2,342.30	2,340.00	Fruitland		0.00	360.00	
2,400.05	2,395.00	Bayfield Coal Zone Top		0.00	360.00	
2,448.57	2,440.00	Bayfield Coal Zone Base		0.00	360.00	
2,515.68	2,500.00	Lemon Coal Zone Top		0.00	360.00	
2,544.67	2,525.00	Lemon Coal Zone Base		0.00	360.00	
2,550.56	2,530.00	Lower Lemon Coal Zone Top		0.00	360.00	
2,568.40	2,545.00	Lower Lemon Coal Zone Base		0.00	360.00	
2,801.02	2,715.00	Pictured Cliffs "Tongue 3 Ss"		0.00	360.00	
2,899.51	2,770.00	Pictured Cliffs "Tongue 2 Ss"		0.00	360.00	
3,035.63	2,830.00	Pictured Cliffs "Tongue 1 Ss"		0.00	360.00	
3,165.78	2,885.00	Pictured Cliffs Main Ss		0.00	360.00	