



HILCORP ENERGY COMPANY
ALLISON UNIT COM #138H (HORZ)
SAN JUAN BASIN NM / CO
6134' GL + 15' KB



WELL DETAILS: Allison Unit Com #138H

+N/-S		+E/-W	Northing	Ground Level:	6134.00	Easting	Latitude	Longitude
0.00		0.00	1127387.720			2421227.380	36° 59' 58.740 N	107° 28' 54.901 W

PROJECT DETAILS: San Juan County, NM / CO (NAD 83)

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: Colorado Southern Zone

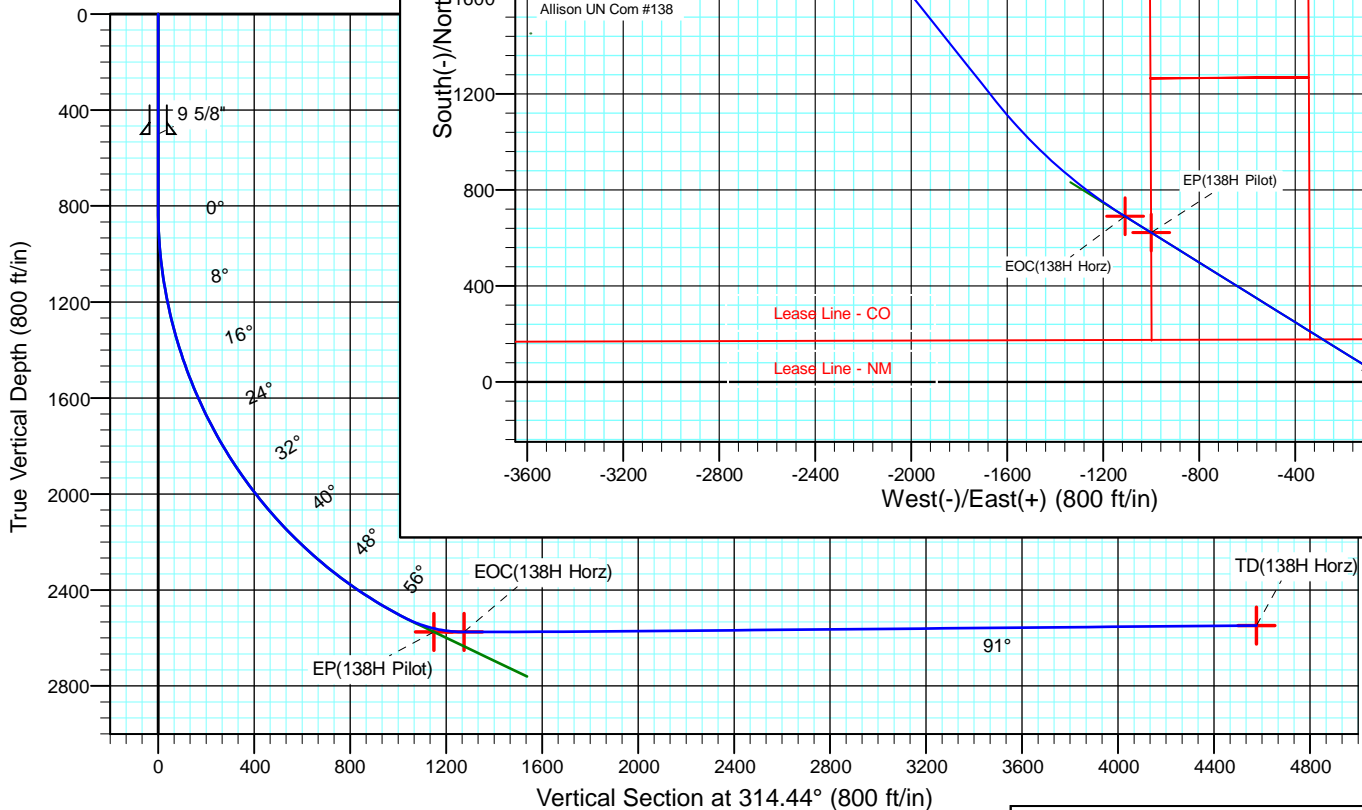
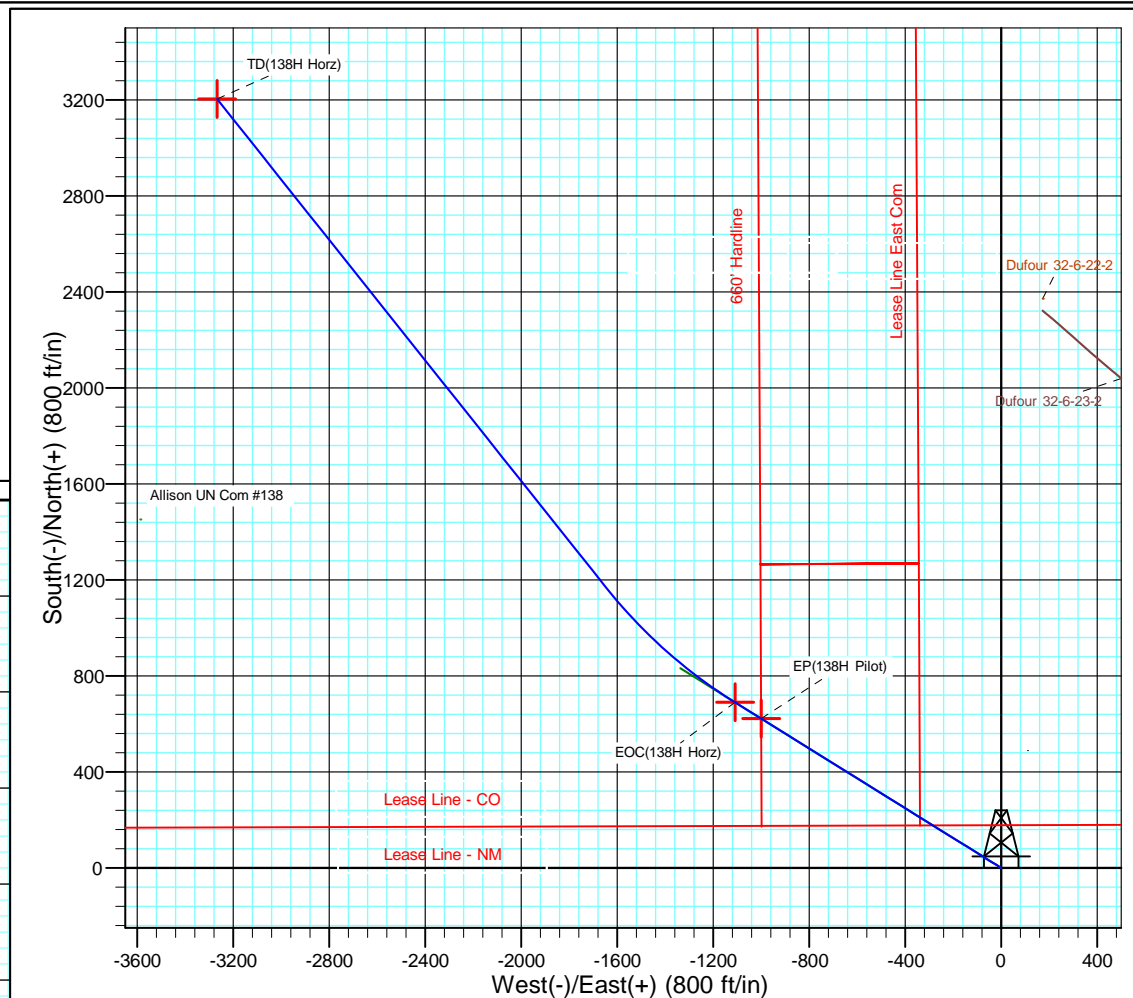
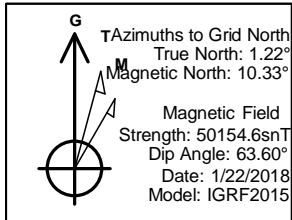
System Datum: Mean Sea Level

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	2914.70	63.17	301.89	2513.33	553.49	-889.68	0.00	0.00	1022.75	
2	3182.92	90.00	301.89	2575.00	690.06	-1109.19	10.00	0.01	1275.11	
3	3905.58	90.52	321.47	2571.68	1168.24	-1646.30	2.71	88.44	1993.40	
4	6507.90	90.52	321.47	2548.00	3203.83	-3267.38	0.00	0.00	4576.05	TD(138H Horz)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
TD(138H Horz)	2548.00	3203.83	-3267.38	1130591.540	2417960.010	37° 0' 29.722 N	107° 29' 36.011 W	Point
EOC(138H Horz)	2575.00	690.06	-1109.19	1128077.779	2420118.192	37° 0' 5.329 N	107° 29' 8.752 W	Point
EP(138H Pilot)	2575.00	622.12	-1000.00	1128009.840	2420227.380	37° 0' 4.680 N	107° 29' 7.388 W	Point



Allison Unit Com #138H Horz p1

Created By: Frank Scardino Date: 1/22/2018
 Checked: _____ Date: _____



Hilcorp Energy Company

San Juan County, NM / CO (NAD 83)

Allison Unit Com #138H

Allison Unit Com #138H

Horz

Plan: Design #1

Standard Planning Report

22 January, 2018





Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Allison Unit Com #138H
Company:	Hilcorp Energy Company	TVD Reference:	rig @ 6149.00ft
Project:	San Juan County, NM / CO (NAD 83)	MD Reference:	rig @ 6149.00ft
Site:	Allison Unit Com #138H	North Reference:	Grid
Well:	Allison Unit Com #138H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Horz		
Design:	Design #1		

Project	San Juan County, NM / CO (NAD 83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Southern Zone		

Site	Allison Unit Com #138H			
Site Position:		Northing:	1,127,387.720 usft	Latitude: 36° 59' 58.740 N
From: Map		Easting:	2,421,227.380 usft	Longitude: 107° 28' 54.901 W
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence: -1.22 °

Well	Allison Unit Com #138H			
Well Position	+N/-S	0.00 ft	Northing:	1,127,387.720 usft
	+E/-W	0.00 ft	Easting:	2,421,227.380 usft
Position Uncertainty		0.00 ft	Wellhead Elevation:	0.00 ft
			Ground Level:	6,134.00 ft

Wellbore	Horz				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	1/22/2018	9.11	63.60	50,155

Design	Design #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	2,914.70
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	314.44

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
2,914.70	63.17	301.89	2,513.33	553.49	-889.68	0.00	0.00	0.00	0.00	
3,182.92	90.00	301.89	2,575.00	690.06	-1,109.19	10.00	10.00	0.00	0.01	
3,905.58	90.52	321.47	2,571.68	1,168.24	-1,646.30	2.71	0.07	2.71	88.44	
6,507.90	90.52	321.47	2,548.00	3,203.83	-3,267.38	0.00	0.00	0.00	0.00	TD(138H Horz)



Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Allison Unit Com #138H
Company:	Hilcorp Energy Company	TVD Reference:	rig @ 6149.00ft
Project:	San Juan County, NM / CO (NAD 83)	MD Reference:	rig @ 6149.00ft
Site:	Allison Unit Com #138H	North Reference:	Grid
Well:	Allison Unit Com #138H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Horz		
Design:	Design #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)	Turn Rate (°/100ft)
2,914.70	63.17	301.89	2,513.33	553.49	-889.68	1,022.75	3.00	3.00	0.00
2,950.00	66.70	301.89	2,528.29	570.37	-916.82	1,053.96	10.00	10.00	0.00
3,000.00	71.70	301.89	2,546.04	595.06	-956.50	1,099.57	10.00	10.00	0.00
3,050.00	76.70	301.89	2,559.64	620.46	-997.33	1,146.52	10.00	10.00	0.00
3,055.96	77.30	301.89	2,560.99	623.53	-1,002.27	1,152.19	10.00	10.00	0.00
EP(138H Pilot)									
3,100.00	81.70	301.89	2,569.01	646.40	-1,039.02	1,194.44	10.00	10.00	0.00
3,150.00	86.71	301.89	2,574.05	672.67	-1,081.25	1,242.98	10.00	10.00	0.00
3,182.92	90.00	301.89	2,575.00	690.06	-1,109.19	1,275.11	10.00	10.00	0.00
3,200.00	90.01	302.35	2,575.00	699.14	-1,123.65	1,291.79	2.71	0.07	2.71
3,300.00	90.09	305.06	2,574.91	754.63	-1,206.83	1,390.03	2.71	0.07	2.71
3,400.00	90.16	307.77	2,574.70	813.98	-1,287.29	1,489.04	2.71	0.07	2.71
3,500.00	90.23	310.48	2,574.36	877.08	-1,364.86	1,588.60	2.71	0.07	2.71
3,600.00	90.30	313.19	2,573.89	943.77	-1,439.36	1,688.49	2.71	0.07	2.71
3,700.00	90.38	315.90	2,573.29	1,013.91	-1,510.63	1,788.48	2.71	0.07	2.71
3,800.00	90.45	318.61	2,572.57	1,087.33	-1,578.50	1,888.35	2.71	0.07	2.71
3,905.58	90.52	321.47	2,571.68	1,168.24	-1,646.30	1,993.40	2.71	0.07	2.71
4,000.00	90.52	321.47	2,570.82	1,242.10	-1,705.12	2,087.11	0.00	0.00	0.00
4,100.00	90.52	321.47	2,569.91	1,320.32	-1,767.41	2,186.36	0.00	0.00	0.00
4,200.00	90.52	321.47	2,569.00	1,398.55	-1,829.70	2,285.60	0.00	0.00	0.00
4,300.00	90.52	321.47	2,568.09	1,476.77	-1,892.00	2,384.85	0.00	0.00	0.00
4,400.00	90.52	321.47	2,567.18	1,554.99	-1,954.29	2,484.09	0.00	0.00	0.00
4,500.00	90.52	321.47	2,566.27	1,633.21	-2,016.59	2,583.33	0.00	0.00	0.00
4,600.00	90.52	321.47	2,565.36	1,711.43	-2,078.88	2,682.58	0.00	0.00	0.00
4,700.00	90.52	321.47	2,564.45	1,789.66	-2,141.17	2,781.82	0.00	0.00	0.00
4,800.00	90.52	321.47	2,563.54	1,867.88	-2,203.47	2,881.07	0.00	0.00	0.00
4,900.00	90.52	321.47	2,562.63	1,946.10	-2,265.76	2,980.31	0.00	0.00	0.00
5,000.00	90.52	321.47	2,561.72	2,024.32	-2,328.05	3,079.55	0.00	0.00	0.00
5,100.00	90.52	321.47	2,560.81	2,102.54	-2,390.35	3,178.80	0.00	0.00	0.00
5,200.00	90.52	321.47	2,559.90	2,180.77	-2,452.64	3,278.04	0.00	0.00	0.00
5,300.00	90.52	321.47	2,558.99	2,258.99	-2,514.93	3,377.29	0.00	0.00	0.00
5,400.00	90.52	321.47	2,558.08	2,337.21	-2,577.23	3,476.53	0.00	0.00	0.00
5,500.00	90.52	321.47	2,557.17	2,415.43	-2,639.52	3,575.78	0.00	0.00	0.00
5,600.00	90.52	321.47	2,556.26	2,493.65	-2,701.82	3,675.02	0.00	0.00	0.00
5,700.00	90.52	321.47	2,555.35	2,571.88	-2,764.11	3,774.26	0.00	0.00	0.00
5,800.00	90.52	321.47	2,554.44	2,650.10	-2,826.40	3,873.51	0.00	0.00	0.00
5,900.00	90.52	321.47	2,553.53	2,728.32	-2,888.70	3,972.75	0.00	0.00	0.00
6,000.00	90.52	321.47	2,552.62	2,806.54	-2,950.99	4,072.00	0.00	0.00	0.00
6,100.00	90.52	321.47	2,551.71	2,884.76	-3,013.28	4,171.24	0.00	0.00	0.00
6,200.00	90.52	321.47	2,550.80	2,962.98	-3,075.58	4,270.48	0.00	0.00	0.00
6,300.00	90.52	321.47	2,549.89	3,041.21	-3,137.87	4,369.73	0.00	0.00	0.00
6,400.00	90.52	321.47	2,548.98	3,119.43	-3,200.16	4,468.97	0.00	0.00	0.00
6,507.90	90.52	321.47	2,548.00	3,203.83	-3,267.38	4,576.05	0.00	0.00	0.00
TD(138H Horz)									



Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Allison Unit Com #138H
Company:	Hilcorp Energy Company	TVD Reference:	rig @ 6149.00ft
Project:	San Juan County, NM / CO (NAD 83)	MD Reference:	rig @ 6149.00ft
Site:	Allison Unit Com #138H	North Reference:	Grid
Well:	Allison Unit Com #138H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Horz		
Design:	Design #1		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)		
TD(138H Horz)	0.00	360.00	2,548.00	3,203.83	-3,267.38	1,130,591.540	2,417,960.010	37° 0' 29.722 N	107° 29' 36.011 W
- plan hits target center									
- Point									
EP(138H Pilot)	0.00	360.00	2,575.00	622.12	-1,000.00	1,128,009.840	2,420,227.380	37° 0' 4.680 N	107° 29' 7.388 W
- plan misses target center by 14.27ft at 3055.96ft MD (2560.99 TVD, 623.53 N, -1002.27 E)									
- Point									

Casing Points					
	Measured Depth	Vertical Depth		Casing Diameter	Hole Diameter
	(ft)	(ft)	Name	(in)	(in)
	500.00	500.00	9 5/8"	9.625	12.250



Hilcorp Energy Company

San Juan County, NM / CO (NAD 83)

Allison Unit Com #138H

Allison Unit Com #138H

Horz

Plan: Design #1

Standard Planning Report - Geographic

22 January, 2018





Planning Report - Geographic



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Allison Unit Com #138H
Company:	Hilcorp Energy Company	TVD Reference:	rig @ 6149.00ft
Project:	San Juan County, NM / CO (NAD 83)	MD Reference:	rig @ 6149.00ft
Site:	Allison Unit Com #138H	North Reference:	Grid
Well:	Allison Unit Com #138H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Horz		
Design:	Design #1		

Project	San Juan County, NM / CO (NAD 83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Southern Zone		

Site		Allison Unit Com #138H			
Site Position:		Northing:	1,127,387.720 usft	Latitude:	36° 59' 58.740 N
From:	Map	Easting:	2,421,227.380 usft	Longitude:	107° 28' 54.901 W
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	-1.22 °

Well		Allison Unit Com #138H				
Well Position	+N/-S	0.00 ft	Northing:	1,127,387.720 usft	Latitude:	36° 59' 58.740 N
	+E/-W	0.00 ft	Easting:	2,421,227.380 usft	Longitude:	107° 28' 54.901 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	0.00 ft	Ground Level:	6,134.00 ft

Wellbore	Horz				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	1/22/2018	9.11	63.60	50,155

Design	Design #1				
Audit Notes:					
Version:		Phase:	PLAN	Tie On Depth:	2,914.70
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	314.44	

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
2,914.70	63.17	301.89	2,513.33	553.49	-889.68	0.00	0.00	0.00	0.00	
3,182.92	90.00	301.89	2,575.00	690.06	-1,109.19	10.00	10.00	0.00	0.01	
3,905.58	90.52	321.47	2,571.68	1,168.24	-1,646.30	2.71	0.07	2.71	88.44	
6,507.90	90.52	321.47	2,548.00	3,203.83	-3,267.38	0.00	0.00	0.00	0.00	TD(138H Horz)



Planning Report - Geographic



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Allison Unit Com #138H
Company:	Hilcorp Energy Company	TVD Reference:	rig @ 6149.00ft
Project:	San Juan County, NM / CO (NAD 83)	MD Reference:	rig @ 6149.00ft
Site:	Allison Unit Com #138H	North Reference:	Grid
Well:	Allison Unit Com #138H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Horz		
Design:	Design #1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
2,914.70	63.17	301.89	2,513.33	553.49	-889.68	1,127,941.204	2,420,337.706	37° 0' 4.025 N	107° 29' 6.010 W	
2,950.00	66.70	301.89	2,528.29	570.37	-916.82	1,127,958.092	2,420,310.560	37° 0' 4.186 N	107° 29' 6.349 W	
3,000.00	71.70	301.89	2,546.04	595.06	-956.50	1,127,982.776	2,420,270.886	37° 0' 4.422 N	107° 29' 6.845 W	
3,050.00	76.70	301.89	2,559.64	620.46	-997.33	1,128,008.183	2,420,230.048	37° 0' 4.664 N	107° 29' 7.355 W	
3,055.96	77.30	301.89	2,560.99	623.53	-1,002.27	1,128,011.253	2,420,225.114	37° 0' 4.693 N	107° 29' 7.416 W	
EP(138H Pilot)										
3,100.00	81.70	301.89	2,569.01	646.40	-1,039.02	1,128,034.121	2,420,188.359	37° 0' 4.912 N	107° 29' 7.875 W	
3,150.00	86.71	301.89	2,574.05	672.67	-1,081.25	1,128,060.391	2,420,146.136	37° 0' 5.163 N	107° 29' 8.403 W	
3,182.92	90.00	301.89	2,575.00	690.06	-1,109.19	1,128,077.775	2,420,118.197	37° 0' 5.329 N	107° 29' 8.751 W	
3,200.00	90.01	302.35	2,575.00	699.14	-1,123.65	1,128,086.855	2,420,103.735	37° 0' 5.415 N	107° 29' 8.932 W	
3,300.00	90.09	305.06	2,574.91	754.63	-1,206.83	1,128,142.344	2,420,020.554	37° 0' 5.946 N	107° 29' 9.972 W	
3,400.00	90.16	307.77	2,574.70	813.98	-1,287.29	1,128,201.703	2,419,940.089	37° 0' 6.516 N	107° 29' 10.979 W	
3,500.00	90.23	310.48	2,574.36	877.08	-1,364.86	1,128,264.798	2,419,862.520	37° 0' 7.123 N	107° 29' 11.952 W	
3,600.00	90.30	313.19	2,573.89	943.77	-1,439.36	1,128,331.488	2,419,788.020	37° 0' 7.767 N	107° 29' 12.887 W	
3,700.00	90.38	315.90	2,573.29	1,013.91	-1,510.63	1,128,401.625	2,419,716.756	37° 0' 8.445 N	107° 29' 13.784 W	
3,800.00	90.45	318.61	2,572.57	1,087.33	-1,578.50	1,128,475.051	2,419,648.887	37° 0' 9.157 N	107° 29' 14.640 W	
3,905.58	90.52	321.47	2,571.68	1,168.24	-1,646.30	1,128,555.961	2,419,581.086	37° 0' 9.942 N	107° 29' 15.496 W	
4,000.00	90.52	321.47	2,570.82	1,242.10	-1,705.12	1,128,629.820	2,419,522.266	37° 0' 10.660 N	107° 29' 16.241 W	
4,100.00	90.52	321.47	2,569.91	1,320.32	-1,767.41	1,128,708.042	2,419,459.973	37° 0' 11.420 N	107° 29' 17.029 W	
4,200.00	90.52	321.47	2,569.00	1,398.55	-1,829.70	1,128,786.263	2,419,397.679	37° 0' 12.180 N	107° 29' 17.817 W	
4,300.00	90.52	321.47	2,568.09	1,476.77	-1,892.00	1,128,864.485	2,419,335.386	37° 0' 12.940 N	107° 29' 18.605 W	
4,400.00	90.52	321.47	2,567.18	1,554.99	-1,954.29	1,128,942.707	2,419,273.092	37° 0' 13.700 N	107° 29' 19.394 W	
4,500.00	90.52	321.47	2,566.27	1,633.21	-2,016.59	1,129,020.929	2,419,210.799	37° 0' 14.460 N	107° 29' 20.182 W	
4,600.00	90.52	321.47	2,565.36	1,711.43	-2,078.88	1,129,099.151	2,419,148.505	37° 0' 15.221 N	107° 29' 20.970 W	
4,700.00	90.52	321.47	2,564.45	1,789.66	-2,141.17	1,129,177.372	2,419,086.212	37° 0' 15.981 N	107° 29' 21.759 W	
4,800.00	90.52	321.47	2,563.54	1,867.88	-2,203.47	1,129,255.594	2,419,023.918	37° 0' 16.741 N	107° 29' 22.547 W	
4,900.00	90.52	321.47	2,562.63	1,946.10	-2,265.76	1,129,333.816	2,418,961.625	37° 0' 17.501 N	107° 29' 23.335 W	
5,000.00	90.52	321.47	2,561.72	2,024.32	-2,328.05	1,129,412.038	2,418,899.331	37° 0' 18.261 N	107° 29' 24.123 W	
5,100.00	90.52	321.47	2,560.81	2,102.54	-2,390.35	1,129,490.260	2,418,837.038	37° 0' 19.021 N	107° 29' 24.912 W	
5,200.00	90.52	321.47	2,559.90	2,180.77	-2,452.64	1,129,568.481	2,418,774.744	37° 0' 19.781 N	107° 29' 25.700 W	
5,300.00	90.52	321.47	2,558.99	2,258.99	-2,514.93	1,129,646.703	2,418,712.451	37° 0' 20.541 N	107° 29' 26.488 W	
5,400.00	90.52	321.47	2,558.08	2,337.21	-2,577.23	1,129,724.925	2,418,650.157	37° 0' 21.301 N	107° 29' 27.277 W	
5,500.00	90.52	321.47	2,557.17	2,415.43	-2,639.52	1,129,803.147	2,418,587.864	37° 0' 22.061 N	107° 29' 28.065 W	
5,600.00	90.52	321.47	2,556.26	2,493.65	-2,701.82	1,129,881.368	2,418,525.570	37° 0' 22.821 N	107° 29' 28.853 W	
5,700.00	90.52	321.47	2,555.35	2,571.88	-2,764.11	1,129,959.590	2,418,463.276	37° 0' 23.581 N	107° 29' 29.642 W	
5,800.00	90.52	321.47	2,554.44	2,650.10	-2,826.40	1,130,037.812	2,418,400.983	37° 0' 24.341 N	107° 29' 30.430 W	
5,900.00	90.52	321.47	2,553.53	2,728.32	-2,888.70	1,130,116.034	2,418,338.689	37° 0' 25.102 N	107° 29' 31.218 W	
6,000.00	90.52	321.47	2,552.62	2,806.54	-2,950.99	1,130,194.256	2,418,276.396	37° 0' 25.862 N	107° 29' 32.007 W	
6,100.00	90.52	321.47	2,551.71	2,884.76	-3,013.28	1,130,272.477	2,418,214.102	37° 0' 26.622 N	107° 29' 32.795 W	
6,200.00	90.52	321.47	2,550.80	2,962.98	-3,075.58	1,130,350.699	2,418,151.809	37° 0' 27.382 N	107° 29' 33.583 W	
6,300.00	90.52	321.47	2,549.89	3,041.21	-3,137.87	1,130,428.921	2,418,089.515	37° 0' 28.142 N	107° 29' 34.372 W	
6,400.00	90.52	321.47	2,548.98	3,119.43	-3,200.16	1,130,507.143	2,418,027.222	37° 0' 28.902 N	107° 29' 35.160 W	
6,507.90	90.52	321.47	2,548.00	3,203.83	-3,267.38	1,130,591.540	2,417,960.010	37° 0' 29.722 N	107° 29' 36.011 W	
TD(138H Horz)										



Planning Report - Geographic



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Allison Unit Com #138H
Company:	Hilcorp Energy Company	TVD Reference:	rig @ 6149.00ft
Project:	San Juan County, NM / CO (NAD 83)	MD Reference:	rig @ 6149.00ft
Site:	Allison Unit Com #138H	North Reference:	Grid
Well:	Allison Unit Com #138H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Horz		
Design:	Design #1		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)		
TD(138H Horz)	0.00	360.00	2,548.00	3,203.83	-3,267.38	1,130,591.540	2,417,960.010	37° 0' 29.722 N	107° 29' 36.011 W
- plan hits target center									
- Point									
EP(138H Pilot)	0.00	360.00	2,575.00	622.12	-1,000.00	1,128,009.840	2,420,227.380	37° 0' 4.680 N	107° 29' 7.388 W
- plan misses target center by 14.27ft at 3055.96ft MD (2560.99 TVD, 623.53 N, -1002.27 E)									
- Point									

Casing Points					
	Measured Depth	Vertical Depth		Casing Diameter	Hole Diameter
	(ft)	(ft)	Name	(in)	(in)
	500.00	500.00	9 5/8"	9.625	12.250