



SHELL E&P

MOFFAT COUNTY, CO

HAMILTON 2-29

HAMILTON 2-29

HAMILTON 2-29

Plan: PLAN 3

Standard Planning Report

28 January, 2013





Project: MOFFAT COUNTY, CO
Site: HAMILTON 2-29
Well: HAMILTON 2-29
Wellbore: HAMILTON 2-29
Design: PLAN 3
Latitude: 40° 21' 16.130 N
Longitude: 107° 37' 17.090 W
GL: 6343.00
KB: WELL @ 6354.00ft (Original Well Elev)



Weatherford®

WELLBORE TARGET DETAILS (LAT/LONG)

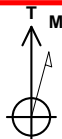
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
PBHL - HAMILTON 2-29	2881.46	-2850.59	-802.12	40° 20' 47.960 N	107° 37' 27.450 W	Point

WELL DETAILS: HAMILTON 2-29

+N/-S	+E/-W	Northing	Ground Level: Easting	6343.00 Latitude	Longitude	Slot
0.00	0.00	1379049.72	2408823.95	40° 21' 16.130 N	107° 37' 17.090 W	

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSecl	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2268.40	0.00	0.00	2268.40	0.00	0.00	0.00	0.00	0.00	Start Build 7.00
3633.83	95.58	195.72	3083.03	-864.53	-243.27	7.00	195.72	898.10	Start 2073.01 hold at 3633.83 MD
5706.84	95.58	195.72	2881.46	-2850.59	-802.12	0.00	0.00	2961.29	TD at 5706.84

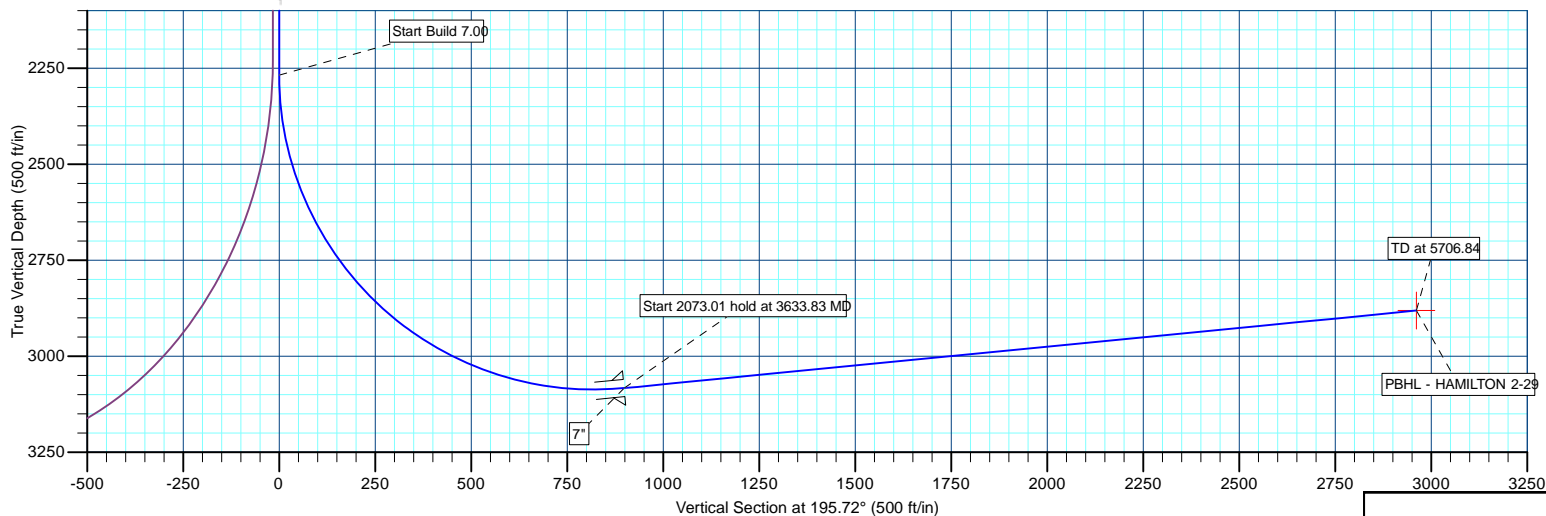
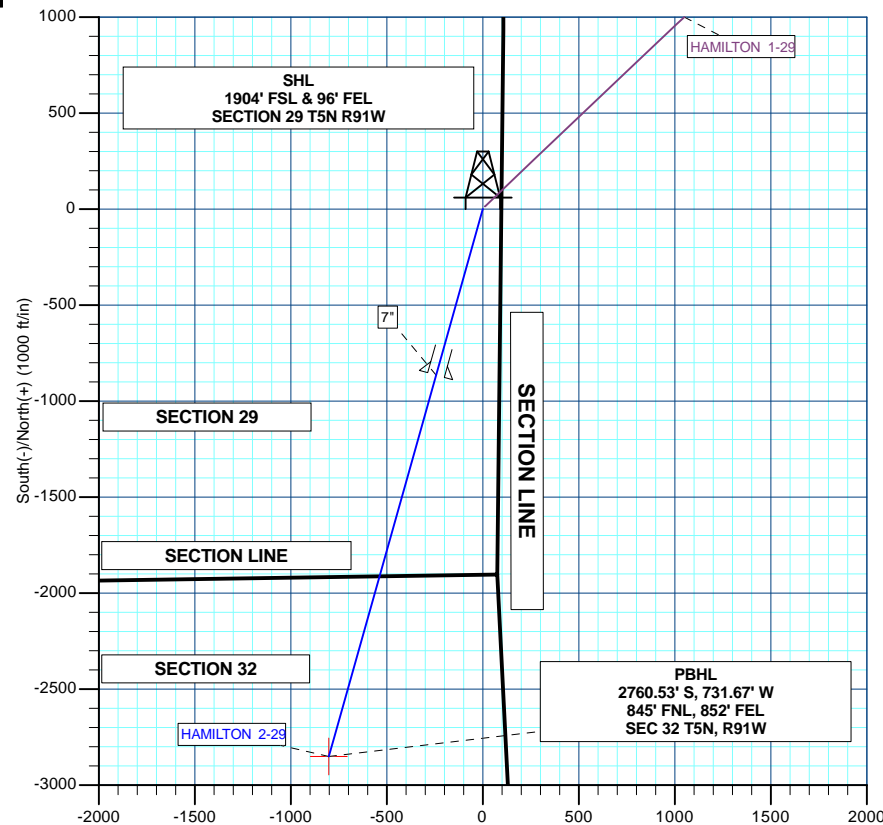
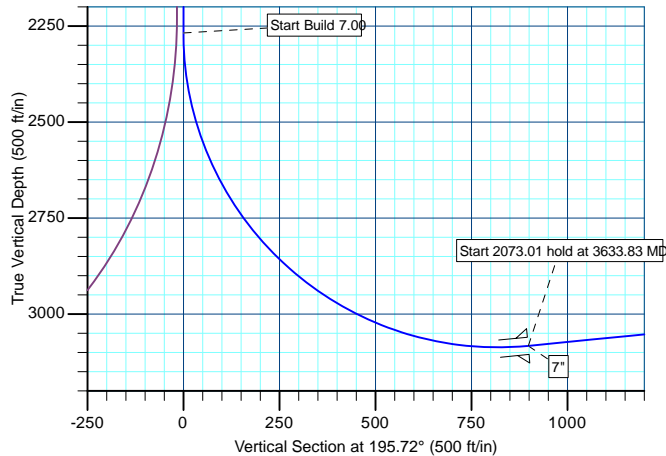


Azimuths to True North
Magnetic North: 10.17°

Magnetic Field
Strength: 52604.4snT
Dip Angle: 66.46°
Date: 7/11/2012
Model: BGGM2011

CASING DETAILS

TVD	MD	Name	Size
3083.03	3633.83	7"	7



Plan: PLAN 3 (HAMILTON 2-29/HAMILTON 2-29)

Created By: MATT MAYDEW Date: 13:39, January 28 2013



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well HAMILTON 2-29
Company:	SHELL E&P	TVD Reference:	WELL @ 6354.00ft (Original Well Elev)
Project:	MOFFAT COUNTY, CO	MD Reference:	WELL @ 6354.00ft (Original Well Elev)
Site:	HAMILTON 2-29	North Reference:	True
Well:	HAMILTON 2-29	Survey Calculation Method:	Minimum Curvature
Wellbore:	HAMILTON 2-29		
Design:	PLAN 3		

Project	MOFFAT 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		HAMILTON 2-29			
Site Position:		Northing:	1,379,049.72 usft	Latitude:	40° 21' 16.130 N
From:	Lat/Long	Easting:	2,408,823.95 usft	Longitude:	107° 37' 17.090 W
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16"	Grid Convergence:	-1.37 °

Well	HAMILTON 2-29					
Well Position	+N/-S	0.00 ft	Northing:	1,379,049.72 usft	Latitude:	40° 21' 16.130 N
	+E/-W	0.00 ft	Easting:	2,408,823.95 usft	Longitude:	107° 37' 17.090 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,343.00 ft

Wellbore	HAMILTON 2-29				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2011	7/11/2012	10.17	66.46	52,604

Design	PLAN 3			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	195.72

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	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	
2,268.40	0.00	0.00	2,268.40	0.00	0.00	0.00	0.00	0.00	0.00	
3,633.83	95.58	195.72	3,083.03	-864.53	-243.27	7.00	7.00	0.00	195.72	
5,706.84	95.58	195.72	2,881.46	-2,850.59	-802.12	0.00	0.00	0.00	0.00	PBHL - HAMILTON 2-



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well HAMILTON 2-29
Company:	SHELL E&P	TVD Reference:	WELL @ 6354.00ft (Original Well Elev)
Project:	MOFFAT COUNTY, CO	MD Reference:	WELL @ 6354.00ft (Original Well Elev)
Site:	HAMILTON 2-29	North Reference:	True
Well:	HAMILTON 2-29	Survey Calculation Method:	Minimum Curvature
Wellbore:	HAMILTON 2-29		
Design:	PLAN 3		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	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
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
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
Start Build 7.00									
2,268.40	0.00	0.00	2,268.40	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	2.21	195.72	2,299.99	-0.59	-0.17	0.61	7.00	7.00	0.00
2,350.00	5.71	195.72	2,349.86	-3.91	-1.10	4.06	7.00	7.00	0.00
2,400.00	9.21	195.72	2,399.43	-10.16	-2.86	10.56	7.00	7.00	0.00
2,450.00	12.71	195.72	2,448.51	-19.31	-5.43	20.06	7.00	7.00	0.00
2,500.00	16.21	195.72	2,496.92	-31.33	-8.82	32.55	7.00	7.00	0.00
2,550.00	19.71	195.72	2,544.48	-46.17	-12.99	47.97	7.00	7.00	0.00
2,600.00	23.21	195.72	2,591.00	-63.78	-17.95	66.26	7.00	7.00	0.00
2,650.00	26.71	195.72	2,636.33	-84.09	-23.66	87.36	7.00	7.00	0.00
2,700.00	30.21	195.72	2,680.28	-107.02	-30.12	111.18	7.00	7.00	0.00
2,750.00	33.71	195.72	2,722.69	-132.50	-37.28	137.64	7.00	7.00	0.00
2,800.00	37.21	195.72	2,763.41	-160.42	-45.14	166.65	7.00	7.00	0.00
2,850.00	40.71	195.72	2,802.28	-190.68	-53.65	198.08	7.00	7.00	0.00
2,900.00	44.21	195.72	2,839.16	-223.17	-62.80	231.83	7.00	7.00	0.00
2,950.00	47.71	195.72	2,873.91	-257.76	-72.53	267.77	7.00	7.00	0.00
3,000.00	51.21	195.72	2,906.40	-294.33	-82.82	305.76	7.00	7.00	0.00
3,050.00	54.71	195.72	2,936.52	-332.75	-93.63	345.67	7.00	7.00	0.00
3,100.00	58.21	195.72	2,964.14	-372.86	-104.92	387.34	7.00	7.00	0.00
3,150.00	61.71	195.72	2,989.16	-414.52	-116.64	430.62	7.00	7.00	0.00
3,200.00	65.21	195.72	3,011.50	-457.57	-128.76	475.34	7.00	7.00	0.00
3,250.00	68.71	195.72	3,031.06	-501.86	-141.22	521.35	7.00	7.00	0.00
3,300.00	72.21	195.72	3,047.78	-547.21	-153.98	568.46	7.00	7.00	0.00
3,350.00	75.71	195.72	3,061.59	-593.46	-166.99	616.51	7.00	7.00	0.00
3,400.00	79.21	195.72	3,072.44	-640.44	-180.21	665.31	7.00	7.00	0.00
3,450.00	82.71	195.72	3,080.30	-687.96	-193.59	714.68	7.00	7.00	0.00
3,500.00	86.21	195.72	3,085.12	-735.86	-207.06	764.44	7.00	7.00	0.00
3,550.00	89.71	195.72	3,086.90	-783.95	-220.60	814.40	7.00	7.00	0.00
3,600.00	93.21	195.72	3,085.62	-832.06	-234.13	864.38	7.00	7.00	0.00
Start 2073.01 hold at 3633.83 MD - 7"									
3,633.83	95.58	195.72	3,083.03	-864.53	-243.27	898.10	7.00	7.00	0.00



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well HAMILTON 2-29
Company:	SHELL E&P	TVD Reference:	WELL @ 6354.00ft (Original Well Elev)
Project:	MOFFAT COUNTY, CO	MD Reference:	WELL @ 6354.00ft (Original Well Elev)
Site:	HAMILTON 2-29	North Reference:	True
Well:	HAMILTON 2-29	Survey Calculation Method:	Minimum Curvature
Wellbore:	HAMILTON 2-29		
Design:	PLAN 3		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
3,700.00	95.58	195.72	3,076.60	-927.92	-261.11	963.96	0.00	0.00	0.00	
3,800.00	95.58	195.72	3,066.87	-1,023.73	-288.07	1,063.49	0.00	0.00	0.00	
3,900.00	95.58	195.72	3,057.15	-1,119.53	-315.02	1,163.01	0.00	0.00	0.00	
4,000.00	95.58	195.72	3,047.43	-1,215.34	-341.98	1,262.54	0.00	0.00	0.00	
4,100.00	95.58	195.72	3,037.70	-1,311.15	-368.94	1,362.06	0.00	0.00	0.00	
4,200.00	95.58	195.72	3,027.98	-1,406.95	-395.90	1,461.59	0.00	0.00	0.00	
4,300.00	95.58	195.72	3,018.25	-1,502.76	-422.86	1,561.12	0.00	0.00	0.00	
4,400.00	95.58	195.72	3,008.53	-1,598.56	-449.82	1,660.64	0.00	0.00	0.00	
4,500.00	95.58	195.72	2,998.81	-1,694.37	-476.78	1,760.17	0.00	0.00	0.00	
4,600.00	95.58	195.72	2,989.08	-1,790.17	-503.73	1,859.70	0.00	0.00	0.00	
4,700.00	95.58	195.72	2,979.36	-1,885.98	-530.69	1,959.22	0.00	0.00	0.00	
4,800.00	95.58	195.72	2,969.64	-1,981.78	-557.65	2,058.75	0.00	0.00	0.00	
4,900.00	95.58	195.72	2,959.91	-2,077.59	-584.61	2,158.27	0.00	0.00	0.00	
5,000.00	95.58	195.72	2,950.19	-2,173.39	-611.57	2,257.80	0.00	0.00	0.00	
5,100.00	95.58	195.72	2,940.47	-2,269.20	-638.53	2,357.33	0.00	0.00	0.00	
5,200.00	95.58	195.72	2,930.74	-2,365.01	-665.49	2,456.85	0.00	0.00	0.00	
5,300.00	95.58	195.72	2,921.02	-2,460.81	-692.44	2,556.38	0.00	0.00	0.00	
5,400.00	95.58	195.72	2,911.30	-2,556.62	-719.40	2,655.90	0.00	0.00	0.00	
5,500.00	95.58	195.72	2,901.57	-2,652.42	-746.36	2,755.43	0.00	0.00	0.00	
5,600.00	95.58	195.72	2,891.85	-2,748.23	-773.32	2,854.96	0.00	0.00	0.00	
TD at 5706.84 - PBHL - HAMILTON 2-29										
5,706.84	95.58	195.72	2,881.46	-2,850.59	-802.12	2,961.29	0.00	0.00	0.00	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
- hit/miss target										
- Shape										
PBHL - HAMILTON 2-29	0.00	0.00	2,881.46	-2,850.59	-802.12	1,376,219.15	2,407,953.87	40° 20' 47.960 N	107° 37' 27.450 W	
- plan hits target center										
- Point										

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
3,633.83	3,083.03	7"	7	8-3/4	

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment	
2,268.40	2,268.40	0.00	0.00	Start Build 7.00	
3,633.83	3,083.03	-864.53	-243.27	Start 2073.01 hold at 3633.83 MD	
5,706.84	2,881.46	-2,850.59	-802.12	TD at 5706.84	



SHELL E&P

MOFFAT COUNTY, CO

HAMILTON 2-29

HAMILTON 2-29

HAMILTON 2-29

PLAN 3

Anticollision Report

28 January, 2013



Weatherford®



Company:	SHELL E&P	Local Co-ordinate Reference:	Well HAMILTON 2-29
Project:	MOFFAT COUNTY, CO	TVD Reference:	WELL @ 6354.00ft (Original Well Elev)
Reference Site:	HAMILTON 2-29	MD Reference:	WELL @ 6354.00ft (Original Well Elev)
Site Error:	0.00 ft	North Reference:	True
Reference Well:	HAMILTON 2-29	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	HAMILTON 2-29	Database:	EDM 5000.1 Single User Db
Reference Design:	PLAN 3	Offset TVD Reference:	Offset Datum

Reference	PLAN 3		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.00ft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 872.18 ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	1/28/2013		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	5,706.84	PLAN 3 (HAMILTON 2-29)	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
HAMILTON 1-29						
HAMILTON 1-29 - HAMILTON 1-29 - PLAN 3	2,200.00	2,200.00	17.84	8.20	1.850 CC	
HAMILTON 1-29 - HAMILTON 1-29 - PLAN 3	2,218.27	2,218.27	17.90	8.18	1.841 ES, SF	

Offset Design													HAMILTON 1-29 - HAMILTON 1-29 - HAMILTON 1-29 - PLAN 3		Offset Site Error:		0.00 ft
Survey Program: 0-MWD															Offset Well Error:		0.00 ft
Reference		Offset		Semi Major Axis			Distance										
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
0.00	0.00	0.00	0.00	0.00	0.00	37.42	14.17	10.84	17.84								
100.00	100.00	100.00	100.00	0.10	0.10	37.42	14.17	10.84	17.84	17.64	0.20	89.168					
200.00	200.00	200.00	200.00	0.32	0.32	37.42	14.17	10.84	17.84	17.19	0.65	27.460					
300.00	300.00	300.00	300.00	0.55	0.55	37.42	14.17	10.84	17.84	16.74	1.10	16.229					
400.00	400.00	400.00	400.00	0.77	0.77	37.42	14.17	10.84	17.84	16.29	1.55	11.518					
500.00	500.00	500.00	500.00	1.00	1.00	37.42	14.17	10.84	17.84	15.84	2.00	8.927					
600.00	600.00	600.00	600.00	1.22	1.22	37.42	14.17	10.84	17.84	15.39	2.45	7.287					
700.00	700.00	700.00	700.00	1.45	1.45	37.42	14.17	10.84	17.84	14.94	2.90	6.157					
800.00	800.00	800.00	800.00	1.67	1.67	37.42	14.17	10.84	17.84	14.49	3.35	5.330					
900.00	900.00	900.00	900.00	1.90	1.90	37.42	14.17	10.84	17.84	14.04	3.80	4.699					
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	37.42	14.17	10.84	17.84	13.59	4.25	4.201					
1,100.00	1,100.00	1,100.00	1,100.00	2.35	2.35	37.42	14.17	10.84	17.84	13.14	4.70	3.799					
1,200.00	1,200.00	1,200.00	1,200.00	2.57	2.57	37.42	14.17	10.84	17.84	12.69	5.14	3.467					
1,300.00	1,300.00	1,300.00	1,300.00	2.80	2.80	37.42	14.17	10.84	17.84	12.24	5.59	3.188					
1,400.00	1,400.00	1,400.00	1,400.00	3.02	3.02	37.42	14.17	10.84	17.84	11.79	6.04	2.951					
1,500.00	1,500.00	1,500.00	1,500.00	3.25	3.25	37.42	14.17	10.84	17.84	11.34	6.49	2.747					
1,600.00	1,600.00	1,600.00	1,600.00	3.47	3.47	37.42	14.17	10.84	17.84	10.89	6.94	2.569					
1,700.00	1,700.00	1,700.00	1,700.00	3.70	3.70	37.42	14.17	10.84	17.84	10.44	7.39	2.413					
1,800.00	1,800.00	1,800.00	1,800.00	3.92	3.92	37.42	14.17	10.84	17.84	10.00	7.84	2.275					
1,900.00	1,900.00	1,900.00	1,900.00	4.15	4.15	37.42	14.17	10.84	17.84	9.55	8.29	2.151					
2,000.00	2,000.00	2,000.00	2,000.00	4.37	4.37	37.42	14.17	10.84	17.84	9.10	8.74	2.041					
2,100.00	2,100.00	2,100.00	2,100.00	4.60	4.60	37.42	14.17	10.84	17.84	8.65	9.19	1.941					
2,200.00	2,200.00	2,200.00	2,200.00	4.82	4.82	37.42	14.17	10.84	17.84	8.20	9.64	1.850 CC					
2,218.27	2,218.27	2,218.27	2,218.27	4.86	4.86	-158.37	14.17	10.84	17.90	8.18	9.72	1.841 ES, SF					
2,300.00	2,299.99	2,298.72	2,298.67	5.04	5.04	-157.89	15.70	12.45	20.65	10.57	10.07	2.050					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Company:	SHELL E&P	Local Co-ordinate Reference:	Well HAMILTON 2-29
Project:	MOFFAT COUNTY, CO	TVD Reference:	WELL @ 6354.00ft (Original Well Elev)
Reference Site:	HAMILTON 2-29	MD Reference:	WELL @ 6354.00ft (Original Well Elev)
Site Error:	0.00 ft	North Reference:	True
Reference Well:	HAMILTON 2-29	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	HAMILTON 2-29	Database:	EDM 5000.1 Single User Db
Reference Design:	PLAN 3	Offset TVD Reference:	Offset Datum

Offset Design HAMILTON 1-29 - HAMILTON 1-29 - HAMILTON 1-29 - PLAN 3												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
2,400.00	2,399.43	2,393.95	2,393.30	5.22	5.25	-160.35	22.89	19.99	40.65	30.28	10.37	3.919	
2,500.00	2,496.92	2,481.11	2,478.77	5.41	5.46	-161.95	34.58	32.26	79.76	69.20	10.55	7.558	
2,600.00	2,591.00	2,556.55	2,551.41	5.65	5.67	-162.23	48.58	46.94	135.66	125.06	10.60	12.804	
2,700.00	2,680.28	2,618.47	2,609.84	6.03	5.87	-161.55	62.71	61.76	205.45	194.94	10.51	19.540	
2,800.00	2,763.41	2,666.65	2,654.42	6.58	6.05	-159.80	75.32	74.98	286.15	275.77	10.38	27.575	
2,900.00	2,839.16	2,700.00	2,684.77	7.35	6.19	-156.23	84.86	84.99	374.91	364.57	10.34	36.267	
3,000.00	2,906.40	2,725.39	2,707.57	8.33	6.32	-149.18	92.56	93.07	469.21	458.40	10.80	43.430	
3,100.00	2,964.14	2,738.69	2,719.41	9.52	6.38	-131.10	96.74	97.46	566.90	553.74	13.16	43.093	
3,200.00	3,011.50	2,743.16	2,723.37	10.89	6.41	-80.55	98.17	98.96	666.12	649.10	17.02	39.140	
3,300.00	3,047.78	2,740.07	2,720.63	12.41	6.39	-33.88	97.18	97.92	765.32	752.93	12.39	61.786	
3,400.00	3,072.44	2,730.53	2,712.15	14.04	6.34	-17.56	94.16	94.75	863.16	853.53	9.63	89.656	



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Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	HAMILTON 2-29	Database:	EDM 5000.1 Single User Db
Reference Design:	PLAN 3	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 6354.00ft (Original Well Elev)

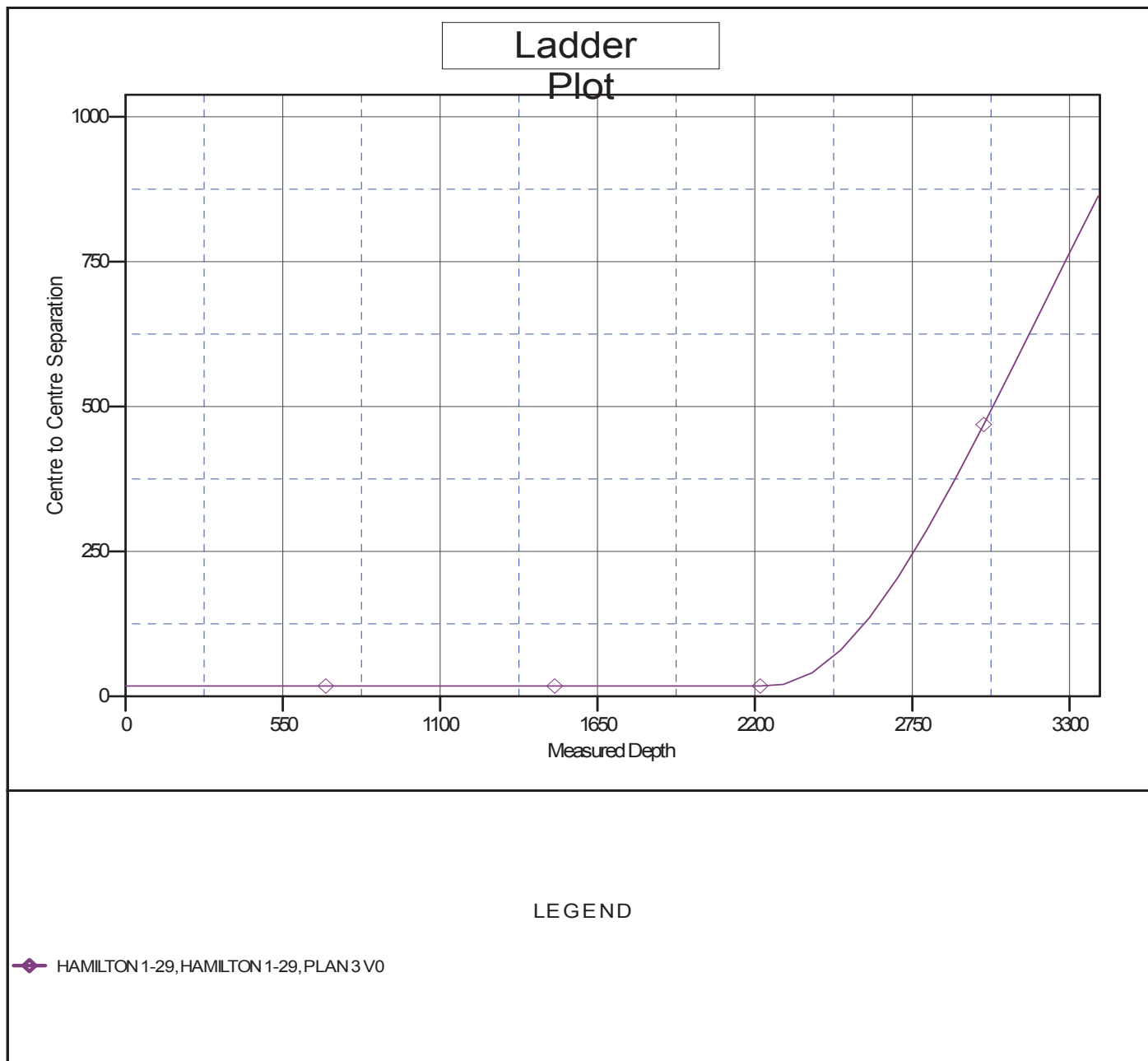
Offset Depths are relative to Offset Datum

Central Meridian is 105° 30' 0.000 W

Coordinates are relative to: HAMILTON 2-29

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: -1.37°





Company:	SHELL E&P	Local Co-ordinate Reference:	Well HAMILTON 2-29
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