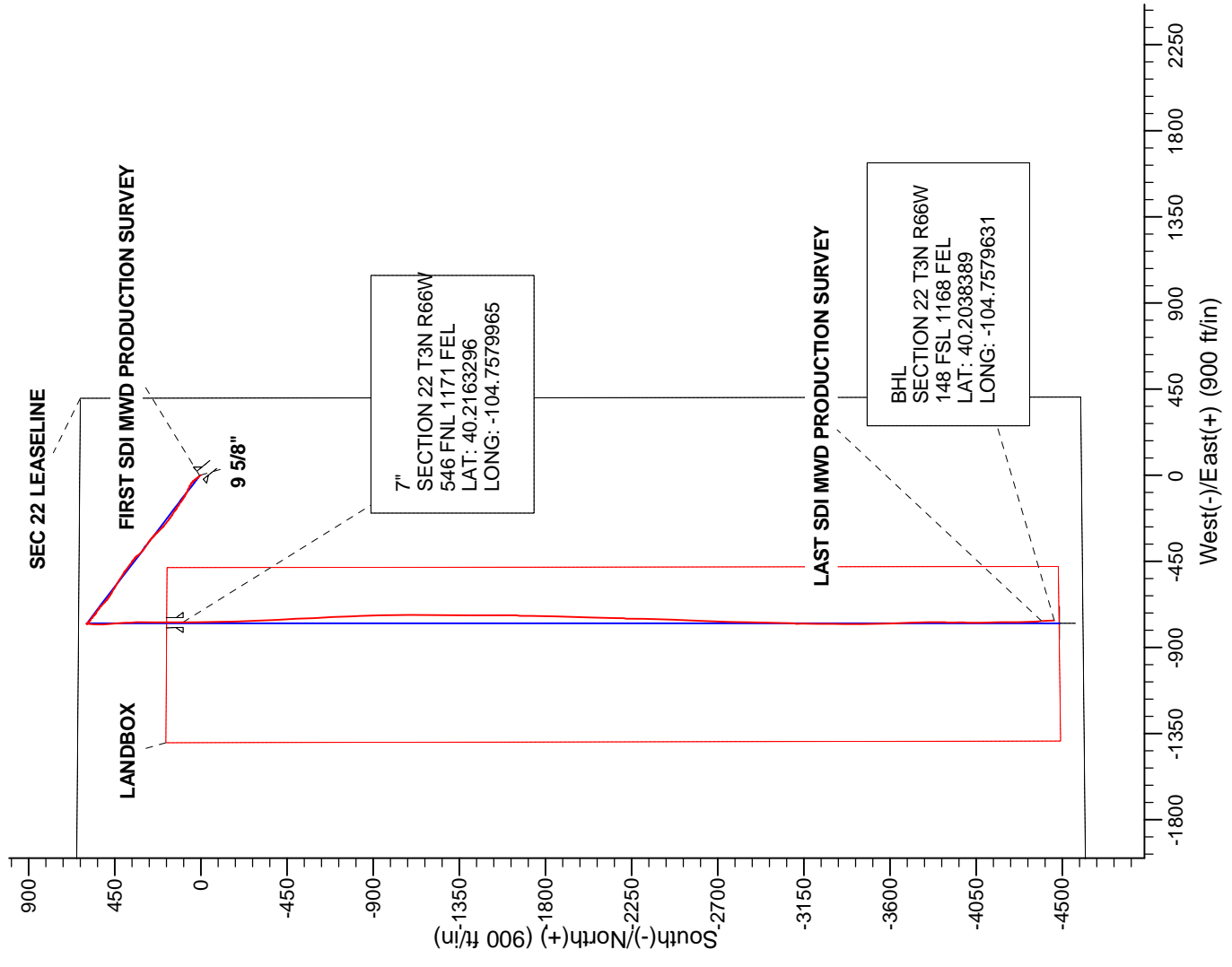
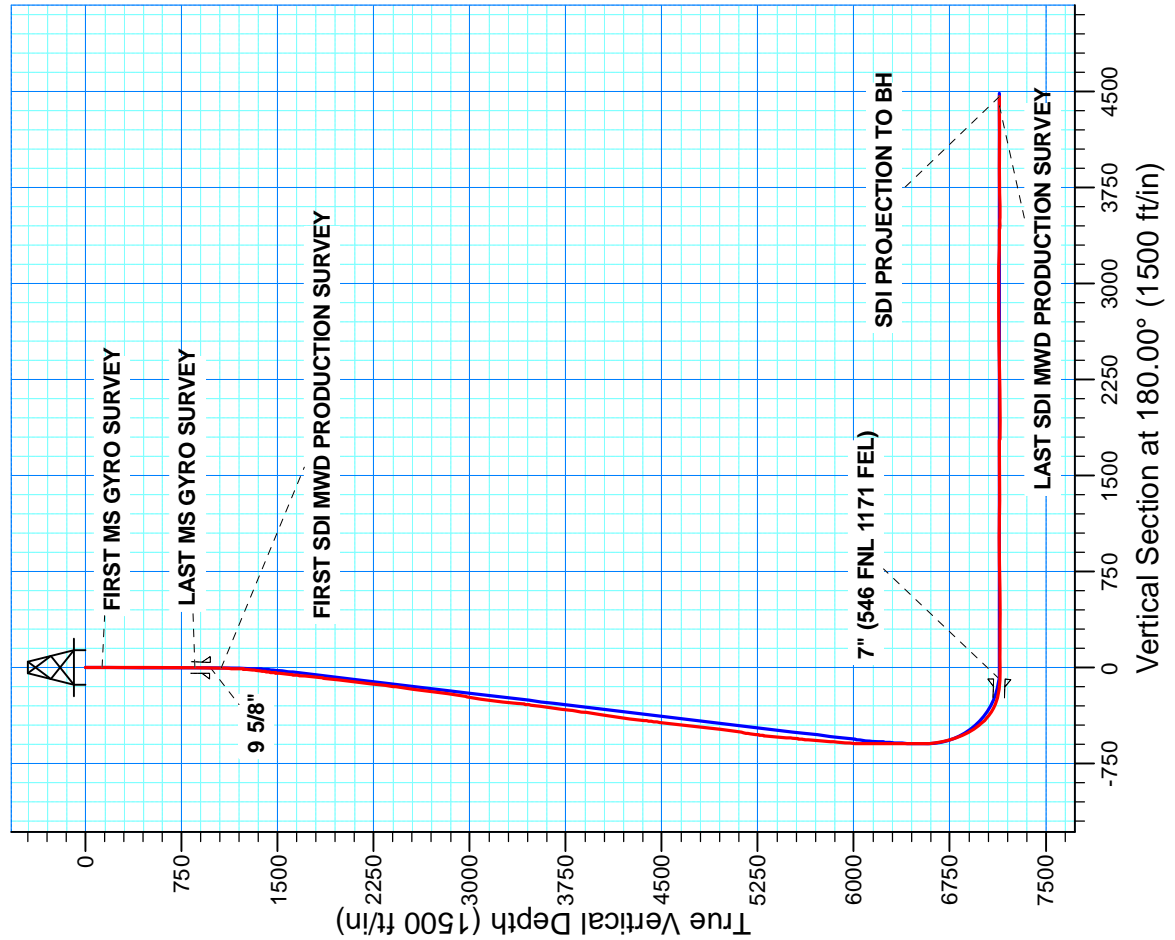


WELL DETAILS: HEDGE 37N-22HZ			
GL 4905 & KB 25 @ 4930.00ft (HP 311)			
+N/-S	+E/-W	Northing	Longitude
0.00	0.00	1322434.24	-104.7552480
		Easting	Latitude
		3207981.41	40.2160819





Scientific Drilling

US ROCKIES REGION PLANNING

COLORADO NORTHERN ZONE - 83

HEDGE 1-22HZ PAD

HEDGE 37N-22HZ

OH

Design: OH

Standard Survey Report

11 September, 2013



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well HEDGE 37N-22HZ
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	GL 4905 & KB 25 @ 4930.00ft (HP 311)
Site:	HEDGE 1-22HZ PAD	MD Reference:	GL 4905 & KB 25 @ 4930.00ft (HP 311)
Well:	HEDGE 37N-22HZ	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Denver Sales Office

Project	COLORADO NORTHERN ZONE - 83, KERR MCGEE OIL & GAS ONSHORE LP		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site	HEDGE 1-22HZ PAD, NENE SECTION 22 T3N R66W				
Site Position:		Northing:	1,322,434.03 usft	Latitude:	40.2160800
From:	Lat/Long	Easting:	3,208,041.18 usft	Longitude:	-104.7550340
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	0.48 °

Well	HEDGE 37N-22HZ					
Well Position	+N/-S	0.00 ft	Northing:	1,322,434.24 usft	Latitude:	40.2160820
	+E/-W	0.00 ft	Easting:	3,207,981.41 usft	Longitude:	-104.7552480
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	4,905.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2013	7/29/2013	8.59	66.82	52,743

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	180.00	

Survey Program	Date	9/11/2013			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
25.00	855.00	Survey #1 MS GYRO (OH)	NS-GYRO-MS	North sensing gyrocompassing m/s	
1,058.00	12,073.00	Survey #2 SDI MWD PRODUCTION (OH)	SDI_MWD+CRUST_1.0	SDI MWD + Crustal anomaly, Version 1.0	

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	0.00
25.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.00	0.15	35.19	125.00	0.11	0.08	-0.11	0.15	0.15	0.00	
FIRST MS GYRO SURVEY										
225.00	0.03	4.34	225.00	0.24	0.15	-0.24	0.13	-0.12	-30.85	
325.00	0.21	78.33	325.00	0.30	0.33	-0.30	0.20	0.18	73.99	
425.00	0.15	29.60	425.00	0.45	0.58	-0.45	0.16	-0.06	-48.73	
525.00	0.07	10.33	525.00	0.63	0.65	-0.63	0.09	-0.08	-19.27	
625.00	0.13	57.89	625.00	0.75	0.76	-0.75	0.10	0.06	47.56	
725.00	0.17	59.64	725.00	0.88	0.99	-0.88	0.04	0.04	1.75	

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well HEDGE 37N-22HZ
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	GL 4905 & KB 25 @ 4930.00ft (HP 311)
Site:	HEDGE 1-22HZ PAD	MD Reference:	GL 4905 & KB 25 @ 4930.00ft (HP 311)
Well:	HEDGE 37N-22HZ	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Denver Sales Office

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)	
825.00	0.25	87.98	825.00	0.97	1.33	-0.97	0.13	0.08	28.34	
855.00	0.38	73.26	855.00	1.00	1.49	-1.00	0.51	0.43	-49.07	
LAST MS GYRO SURVEY										
970.00	1.14	320.36	969.99	1.99	1.12	-1.99	1.16	0.66	-98.18	
9 5/8"										
1,058.00	2.15	313.20	1,057.95	3.80	-0.64	-3.80	1.16	1.14	-8.14	
FIRST SDI MWD PRODUCTION SURVEY										
1,150.00	3.47	325.94	1,149.84	7.29	-3.46	-7.29	1.58	1.43	13.85	
1,241.00	6.34	317.62	1,240.50	13.28	-8.39	-13.28	3.24	3.15	-9.14	
1,331.00	8.80	319.14	1,329.71	22.16	-16.24	-22.16	2.74	2.73	1.69	
1,422.00	10.32	322.80	1,419.44	33.92	-25.72	-33.92	1.80	1.67	4.02	
1,514.00	11.72	307.05	1,509.76	46.11	-38.17	-46.11	3.59	1.52	-17.12	
1,604.00	11.69	298.83	1,597.90	56.02	-53.45	-56.02	1.85	-0.03	-9.13	
1,695.00	11.87	292.16	1,686.99	64.00	-70.20	-64.00	1.51	0.20	-7.33	
1,786.00	12.52	298.37	1,775.94	72.21	-87.54	-72.21	1.61	0.71	6.82	
1,877.00	13.99	300.22	1,864.51	82.44	-105.73	-82.44	1.68	1.62	2.03	
1,969.00	12.19	303.17	1,954.12	93.35	-123.47	-93.35	2.09	-1.96	3.21	
2,060.00	12.68	305.82	2,042.98	104.45	-139.61	-104.45	0.83	0.54	2.91	
2,151.00	13.02	304.83	2,131.70	116.15	-156.12	-116.15	0.45	0.37	-1.09	
2,244.00	11.75	301.47	2,222.54	127.08	-172.80	-127.08	1.57	-1.37	-3.61	
2,336.00	13.00	304.32	2,312.40	137.80	-189.34	-137.80	1.51	1.36	3.10	
2,427.00	13.14	303.26	2,401.04	149.25	-206.44	-149.25	0.31	0.15	-1.16	
2,519.00	11.63	308.15	2,490.90	160.71	-222.48	-160.71	2.00	-1.64	5.32	
2,610.00	11.97	304.74	2,579.98	171.76	-237.45	-171.76	0.85	0.37	-3.75	
2,702.00	11.43	311.61	2,670.07	183.25	-252.10	-183.25	1.62	-0.59	7.47	
2,794.00	11.34	308.66	2,760.26	194.95	-265.98	-194.95	0.64	-0.10	-3.21	
2,888.00	12.44	317.04	2,852.25	208.13	-280.10	-208.13	2.17	1.17	8.91	
2,983.00	12.51	317.17	2,945.01	223.17	-294.07	-223.17	0.08	0.07	0.14	
3,077.00	13.60	313.06	3,036.58	238.18	-309.06	-238.18	1.52	1.16	-4.37	
3,171.00	11.61	311.71	3,128.31	252.02	-324.20	-252.02	2.14	-2.12	-1.44	
3,265.00	11.98	308.66	3,220.33	264.41	-338.88	-264.41	0.77	0.39	-3.24	
3,360.00	10.47	303.20	3,313.51	275.30	-353.80	-275.30	1.94	-1.59	-5.75	
3,454.00	10.78	303.67	3,405.90	284.85	-368.27	-284.85	0.34	0.33	0.50	
3,643.00	11.12	313.09	3,591.47	307.10	-396.29	-307.10	0.96	0.18	4.98	
3,832.00	10.52	318.66	3,777.11	332.50	-421.00	-332.50	0.64	-0.32	2.95	
3,926.00	12.92	310.13	3,869.15	345.72	-434.70	-345.72	3.14	2.55	-9.07	
4,020.00	14.95	306.15	3,960.39	359.65	-452.53	-359.65	2.39	2.16	-4.23	
4,114.00	15.01	305.09	4,051.19	373.80	-472.28	-373.80	0.30	0.06	-1.13	
4,208.00	13.49	306.50	4,142.30	387.32	-491.05	-387.32	1.66	-1.62	1.50	
4,303.00	11.55	307.23	4,235.03	399.67	-507.54	-399.67	2.05	-2.04	0.77	
4,397.00	12.08	302.79	4,327.04	410.69	-523.30	-410.69	1.12	0.56	-4.72	
4,491.00	11.39	301.81	4,419.08	420.91	-539.45	-420.91	0.76	-0.73	-1.04	
4,680.00	12.26	301.15	4,604.07	441.12	-572.49	-441.12	0.47	0.46	-0.35	
4,775.00	13.25	301.34	4,696.72	452.00	-590.42	-452.00	1.04	1.04	0.20	

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well HEDGE 37N-22HZ
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	GL 4905 & KB 25 @ 4930.00ft (HP 311)
Site:	HEDGE 1-22HZ PAD	MD Reference:	GL 4905 & KB 25 @ 4930.00ft (HP 311)
Well:	HEDGE 37N-22HZ	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Denver Sales Office

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)
4,869.00	12.96	300.43	4,788.27	462.95	-608.71	-462.95	0.38	-0.31	-0.97
4,964.00	13.09	304.18	4,880.83	474.39	-626.79	-474.39	0.90	0.14	3.95
5,058.00	12.04	304.06	4,972.58	485.86	-643.72	-485.86	1.12	-1.12	-0.13
5,152.00	12.97	312.60	5,064.35	498.49	-659.61	-498.49	2.20	0.99	9.09
5,247.00	12.48	312.97	5,157.02	512.70	-674.97	-512.70	0.52	-0.52	0.39
5,341.00	11.16	313.92	5,249.03	525.94	-688.95	-525.94	1.42	-1.40	1.01
5,436.00	8.46	303.80	5,342.63	536.20	-701.39	-536.20	3.36	-2.84	-10.65
5,530.00	9.38	301.55	5,435.50	544.06	-713.66	-544.06	1.05	0.98	-2.39
5,624.00	9.63	311.90	5,528.21	553.32	-726.04	-553.32	1.84	0.27	11.01
5,719.00	7.73	303.24	5,622.12	562.13	-737.30	-562.13	2.42	-2.00	-9.12
5,813.00	8.25	313.18	5,715.22	570.21	-747.51	-570.21	1.57	0.55	10.57
5,907.00	7.75	302.50	5,808.31	578.23	-757.77	-578.23	1.67	-0.53	-11.36
6,002.00	6.99	313.90	5,902.53	585.68	-767.34	-585.68	1.73	-0.80	12.00
6,096.00	3.90	315.78	5,996.09	591.94	-773.69	-591.94	3.29	-3.29	2.00
6,191.00	1.04	278.19	6,091.00	594.38	-776.80	-594.38	3.31	-3.01	-39.57
6,285.00	0.46	339.74	6,184.99	594.85	-777.77	-594.85	0.97	-0.62	65.48
6,380.00	0.90	117.53	6,279.99	594.86	-777.24	-594.86	1.35	0.46	145.04
6,474.00	0.80	64.54	6,373.98	594.81	-776.00	-594.81	0.81	-0.11	-56.37
6,568.00	0.63	22.85	6,467.97	595.56	-775.20	-595.56	0.57	-0.18	-44.35
6,600.00	0.33	306.64	6,499.97	595.78	-775.21	-595.78	1.99	-0.94	-238.16
6,631.00	0.78	173.39	6,530.97	595.62	-775.26	-595.62	3.34	1.45	-429.84
6,663.00	2.52	180.67	6,562.95	594.70	-775.24	-594.70	5.47	5.44	22.75
6,694.00	5.11	183.74	6,593.88	592.65	-775.34	-592.65	8.38	8.35	9.90
6,726.00	7.26	182.10	6,625.69	589.20	-775.51	-589.20	6.74	6.72	-5.13
6,757.00	9.58	184.38	6,656.36	584.67	-775.77	-584.67	7.56	7.48	7.35
6,789.00	11.50	184.53	6,687.82	578.84	-776.23	-578.84	6.00	6.00	0.47
6,820.00	13.83	182.84	6,718.06	572.05	-776.66	-572.05	7.61	7.52	-5.45
6,852.00	15.41	182.71	6,749.02	563.99	-777.05	-563.99	4.94	4.94	-0.41
6,883.00	17.70	182.46	6,778.74	555.16	-777.44	-555.16	7.39	7.39	-0.81
6,915.00	19.80	182.36	6,809.04	544.89	-777.88	-544.89	6.56	6.56	-0.31
6,946.00	21.90	180.70	6,838.01	533.86	-778.16	-533.86	7.04	6.77	-5.35
6,978.00	24.78	181.32	6,867.38	521.18	-778.39	-521.18	9.03	9.00	1.94
7,009.00	28.00	178.52	6,895.15	507.41	-778.35	-507.41	11.13	10.39	-9.03
7,040.00	30.92	176.82	6,922.14	492.18	-777.72	-492.18	9.80	9.42	-5.48
7,072.00	34.69	172.81	6,949.03	474.93	-776.13	-474.93	13.59	11.78	-12.53
7,103.00	38.34	173.37	6,973.95	456.62	-773.91	-456.62	11.82	11.77	1.81
7,135.00	42.20	176.22	6,998.36	436.03	-772.06	-436.03	13.36	12.06	8.91
7,166.00	46.38	177.66	7,020.54	414.42	-770.91	-414.42	13.87	13.48	4.65
7,198.00	50.99	177.95	7,041.67	390.41	-769.99	-390.41	14.42	14.41	0.91
7,229.00	55.28	178.12	7,060.26	365.63	-769.14	-365.63	13.85	13.84	0.55
7,261.00	59.41	178.81	7,077.52	338.70	-768.43	-338.70	13.03	12.91	2.16
7,292.00	63.03	180.12	7,092.44	311.53	-768.18	-311.53	12.25	11.68	4.23
7,324.00	66.89	179.75	7,105.99	282.55	-768.14	-282.55	12.11	12.06	-1.16

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well HEDGE 37N-22HZ
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	GL 4905 & KB 25 @ 4930.00ft (HP 311)
Site:	HEDGE 1-22HZ PAD	MD Reference:	GL 4905 & KB 25 @ 4930.00ft (HP 311)
Well:	HEDGE 37N-22HZ	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Denver Sales Office

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)	
7,355.00	71.90	179.67	7,116.89	253.54	-768.00	-253.54	16.16	16.16	-0.26	
7,386.00	76.66	179.69	7,125.29	223.71	-767.83	-223.71	15.35	15.35	0.06	
7,418.00	81.38	179.61	7,131.38	192.30	-767.64	-192.30	14.75	14.75	-0.25	
7,449.00	84.08	180.24	7,135.30	161.56	-767.60	-161.56	8.94	8.71	2.03	
7,471.00	85.90	180.01	7,137.23	139.64	-767.65	-139.64	8.34	8.27	-1.05	
7,520.50	88.26	179.82	7,139.75	90.21	-767.57	-90.21	4.78	4.76	-0.38	
7" (546 FNL 1171 FEL)										
7,555.00	89.90	179.69	7,140.30	55.72	-767.43	-55.72	4.78	4.76	-0.38	
7,646.00	89.80	179.71	7,140.54	-35.28	-766.95	35.28	0.11	-0.11	0.02	
7,737.00	89.83	178.06	7,140.84	-126.26	-765.18	126.26	1.81	0.03	-1.81	
7,829.00	89.97	177.78	7,141.00	-218.20	-761.84	218.20	0.34	0.15	-0.30	
7,920.00	90.00	177.35	7,141.02	-309.12	-757.97	309.12	0.47	0.03	-0.47	
8,015.00	89.36	177.87	7,141.55	-404.03	-754.01	404.03	0.87	-0.67	0.55	
8,109.00	89.66	177.97	7,142.35	-497.97	-750.60	497.97	0.34	0.32	0.11	
8,203.00	90.47	177.35	7,142.25	-591.89	-746.76	591.89	1.09	0.86	-0.66	
8,298.00	91.31	175.94	7,140.77	-686.71	-741.20	686.71	1.73	0.88	-1.48	
8,392.00	90.87	176.93	7,138.98	-780.51	-735.36	780.51	1.15	-0.47	1.05	
8,486.00	90.44	177.99	7,137.91	-874.41	-731.19	874.41	1.22	-0.46	1.13	
8,581.00	90.64	179.07	7,137.01	-969.37	-728.76	969.37	1.16	0.21	1.14	
8,675.00	89.19	180.76	7,137.15	-1,063.37	-728.62	1,063.37	2.37	-1.54	1.80	
8,769.00	89.30	180.31	7,138.39	-1,157.36	-729.50	1,157.36	0.49	0.12	-0.48	
8,863.00	89.83	180.73	7,139.11	-1,251.35	-730.35	1,251.35	0.72	0.56	0.45	
8,958.00	89.97	180.66	7,139.27	-1,346.34	-731.50	1,346.34	0.16	0.15	-0.07	
9,052.00	90.90	179.54	7,138.56	-1,440.34	-731.66	1,440.34	1.55	0.99	-1.19	
9,146.00	89.90	179.79	7,137.90	-1,534.33	-731.12	1,534.33	1.10	-1.06	0.27	
9,240.00	89.26	180.70	7,138.59	-1,628.33	-731.52	1,628.33	1.18	-0.68	0.97	
9,335.00	89.43	181.07	7,139.68	-1,723.31	-732.98	1,723.31	0.43	0.18	0.39	
9,429.00	89.30	181.88	7,140.72	-1,817.27	-735.40	1,817.27	0.87	-0.14	0.86	
9,523.00	89.26	181.09	7,141.90	-1,911.23	-737.84	1,911.23	0.84	-0.04	-0.84	
9,617.00	88.95	182.63	7,143.37	-2,005.17	-740.89	2,005.17	1.67	-0.33	1.64	
9,711.00	90.87	181.57	7,143.52	-2,099.10	-744.33	2,099.10	2.33	2.04	-1.13	
9,806.00	91.65	181.18	7,141.43	-2,194.05	-746.61	2,194.05	0.92	0.82	-0.41	
9,900.00	91.88	180.72	7,138.53	-2,287.99	-748.17	2,287.99	0.55	0.24	-0.49	
9,994.00	91.85	181.31	7,135.47	-2,381.92	-749.84	2,381.92	0.63	-0.03	0.63	
10,089.00	90.27	182.60	7,133.71	-2,476.85	-753.08	2,476.85	2.15	-1.66	1.36	
10,184.00	90.64	182.78	7,132.96	-2,571.74	-757.53	2,571.74	0.43	0.39	0.19	
10,278.00	90.94	182.11	7,131.66	-2,665.64	-761.54	2,665.64	0.78	0.32	-0.71	
10,372.00	89.90	182.38	7,130.98	-2,759.57	-765.23	2,759.57	1.14	-1.11	0.29	
10,467.00	89.06	181.00	7,131.84	-2,854.52	-768.03	2,854.52	1.70	-0.88	-1.45	
10,561.00	89.63	180.94	7,132.91	-2,948.50	-769.62	2,948.50	0.61	0.61	-0.06	
10,656.00	90.87	181.53	7,132.50	-3,043.47	-771.67	3,043.47	1.45	1.31	0.62	
10,751.00	88.56	181.14	7,132.97	-3,138.44	-773.88	3,138.44	2.47	-2.43	-0.41	
10,846.00	88.48	180.55	7,135.42	-3,233.40	-775.28	3,233.40	0.63	-0.08	-0.62	

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well HEDGE 37N-22HZ
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	GL 4905 & KB 25 @ 4930.00ft (HP 311)
Site:	HEDGE 1-22HZ PAD	MD Reference:	GL 4905 & KB 25 @ 4930.00ft (HP 311)
Well:	HEDGE 37N-22HZ	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Denver Sales Office

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)	
10,940.00	88.66	180.21	7,137.77	-3,327.37	-775.90	3,327.37	0.41	0.19	-0.36	
11,034.00	88.56	180.14	7,140.05	-3,421.34	-776.19	3,421.34	0.13	-0.11	-0.07	
11,129.00	89.36	179.18	7,141.77	-3,516.32	-775.63	3,516.32	1.32	0.84	-1.01	
11,223.00	90.54	177.12	7,141.86	-3,610.26	-772.59	3,610.26	2.53	1.26	-2.19	
11,317.00	91.04	178.63	7,140.56	-3,704.19	-769.11	3,704.19	1.69	0.53	1.61	
11,412.00	91.17	179.46	7,138.73	-3,799.16	-767.52	3,799.16	0.88	0.14	0.87	
11,506.00	89.97	180.59	7,137.79	-3,893.15	-767.57	3,893.15	1.75	-1.28	1.20	
11,601.00	89.87	180.73	7,137.93	-3,988.14	-768.66	3,988.14	0.18	-0.11	0.15	
11,695.00	89.43	179.53	7,138.50	-4,082.14	-768.87	4,082.14	1.36	-0.47	-1.28	
11,789.00	89.93	178.89	7,139.02	-4,176.13	-767.58	4,176.13	0.86	0.53	-0.68	
11,884.00	89.76	178.68	7,139.28	-4,271.10	-765.56	4,271.10	0.28	-0.18	-0.22	
11,979.00	89.70	177.76	7,139.73	-4,366.06	-762.61	4,366.06	0.97	-0.06	-0.97	
12,005.00	89.90	177.37	7,139.82	-4,392.03	-761.51	4,392.03	1.69	0.77	-1.50	
LAST SDI MWD PRODUCTION SURVEY										
12,073.00	89.90	177.37	7,139.94	-4,459.96	-758.39	4,459.96	0.00	0.00	0.00	
SDI PROJECTION TO BH										

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL_HEDGE 37N-22H	0.00	0.00	7,140.00	-4,485.40	-773.00	1,317,942.51	3,207,246.11	40.2037690	-104.7580154
- hit/miss target									
- Shape									
- actual wellpath misses target center by 29.34ft at 12073.00ft MD (7139.94 TVD, -4459.96 N, -758.39 E)									
- Point									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
970.00	969.99	9 5/8"	9.625	12.250	
7,520.50	7,139.75	7" (546 FNL 1171 FEL)	7.000	7.500	

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
125.00	125.00	0.11	0.08	FIRST MS GYRO SURVEY	
855.00	855.00	1.00	1.49	LAST MS GYRO SURVEY	
1,058.00	1,057.95	3.80	-0.64	FIRST SDI MWD PRODUCTION SURVEY	
12,005.00	7,139.82	-4,392.03	-761.51	LAST SDI MWD PRODUCTION SURVEY	
12,073.00	7,139.94	-4,459.96	-758.39	SDI PROJECTION TO BH	

Checked By: _____ Approved By: _____ Date: _____