

Anadarko Petroleum Corp.

Weld County, CO (NAD 83)

Sec. 15-T3N-R68W

RMF 5N-15HZ

Plan A

Plan: Rev A0

Sperry Drilling Services

Proposal Report

07 October, 2013

Well Coordinates: 1,327,102.71 N, 3,144,776.16 E (40° 13' 48.48" N, 104° 58' 53.30" W)

Ground Level: 4,967.00 usft

Local Coordinate Origin:

Viewing Datum:

TVDs to System:

North Reference:

Unit System:

Geodetic Scale Factor Applied

Version: 5000.1 Build: 70

Centered on Well RMF 5N-15HZ

RKB = 17' @ 4984.00usft (Drilling Rig)

N

True

Dec-Deg - API - US Survey Feet - Custom

HALLIBURTON

Project: Weld County, CO (NAD 83)
Site: Sec. 15-T3N-R68W
Well: RMF 5N-15HZ
Wellbore: Plan A
Design: Rev A0

Anadarko Petroleum Corp.

HALLIBURTON
Sperry Drilling

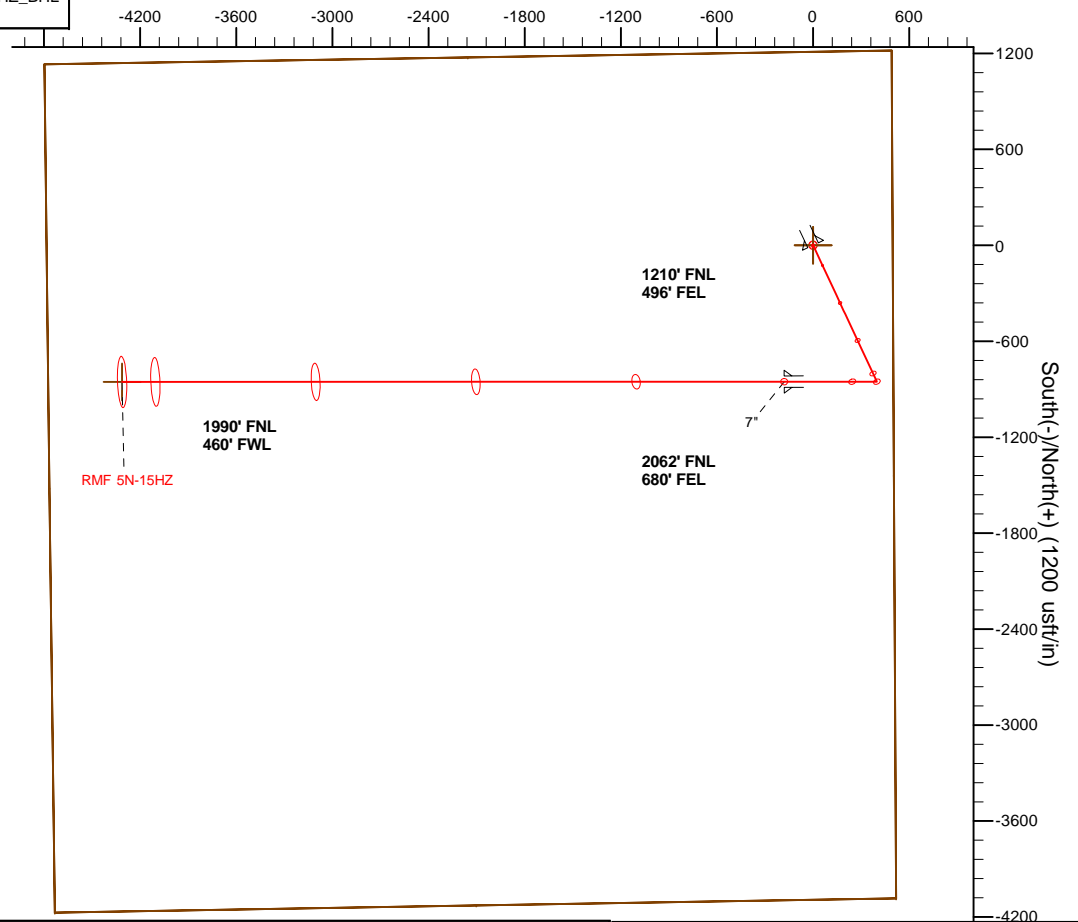
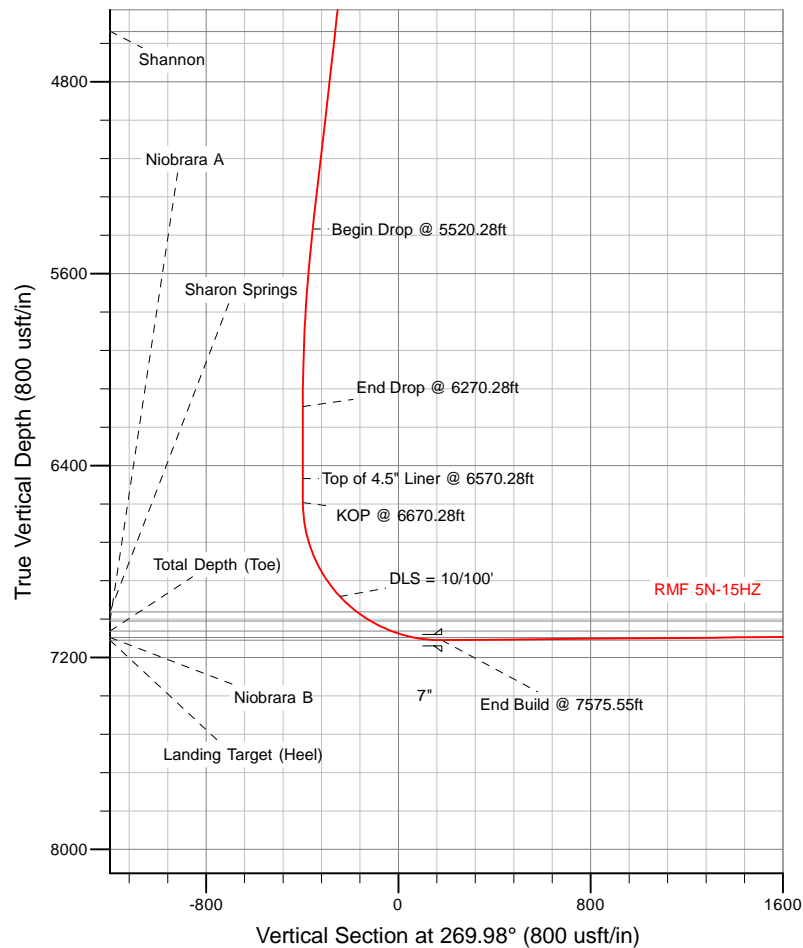
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	1890.28	0.00	0.00	1890.28	0.00	0.00	0.00	0.00	0.00	
3	2640.28	15.00	155.00	2631.74	-88.47	41.25	2.00	155.00	-41.22	
4	5520.28	15.00	155.00	5413.61	-764.03	356.27	0.00	0.00	-356.01	
5	6270.28	0.00	0.00	6155.07	-852.50	397.53	2.00	180.00	-397.23	
6	6670.28	0.00	0.00	6555.07	-852.50	397.53	0.00	0.00	-397.23	
7	7575.55	90.53	269.98	7128.00	-852.67	-180.70	10.00	269.98	181.00	
8	11707.73	90.53	269.98	7090.00	-853.90	-4312.71	0.00	0.00	4313.00	RMF 5N-15HZ_BHL

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
RMF 5N-15HZ_SEC	0.00	0.00	0.00	40.230133	-104.981473	Polygon
RMF 5N-15HZ_SHL	0.00	0.00	0.00	40.230133	-104.981473	Point
RMF 5N-15HZ_BHL	7090.00	-853.90	-4312.71	40.227788	-104.996918	Point

West(-)/East(+) (1200 usft/in)



TVD

MD

6455.07

6570.28

Top of 4.5" Liner @ 6570.28ft

6555.07

6670.28

KOP @ 6670.28ft

WELL DETAILS: RMF 5N-15HZ

Ground Level: 4967.00

RKB = 17' @ 4984.00usft (Drilling Rig)

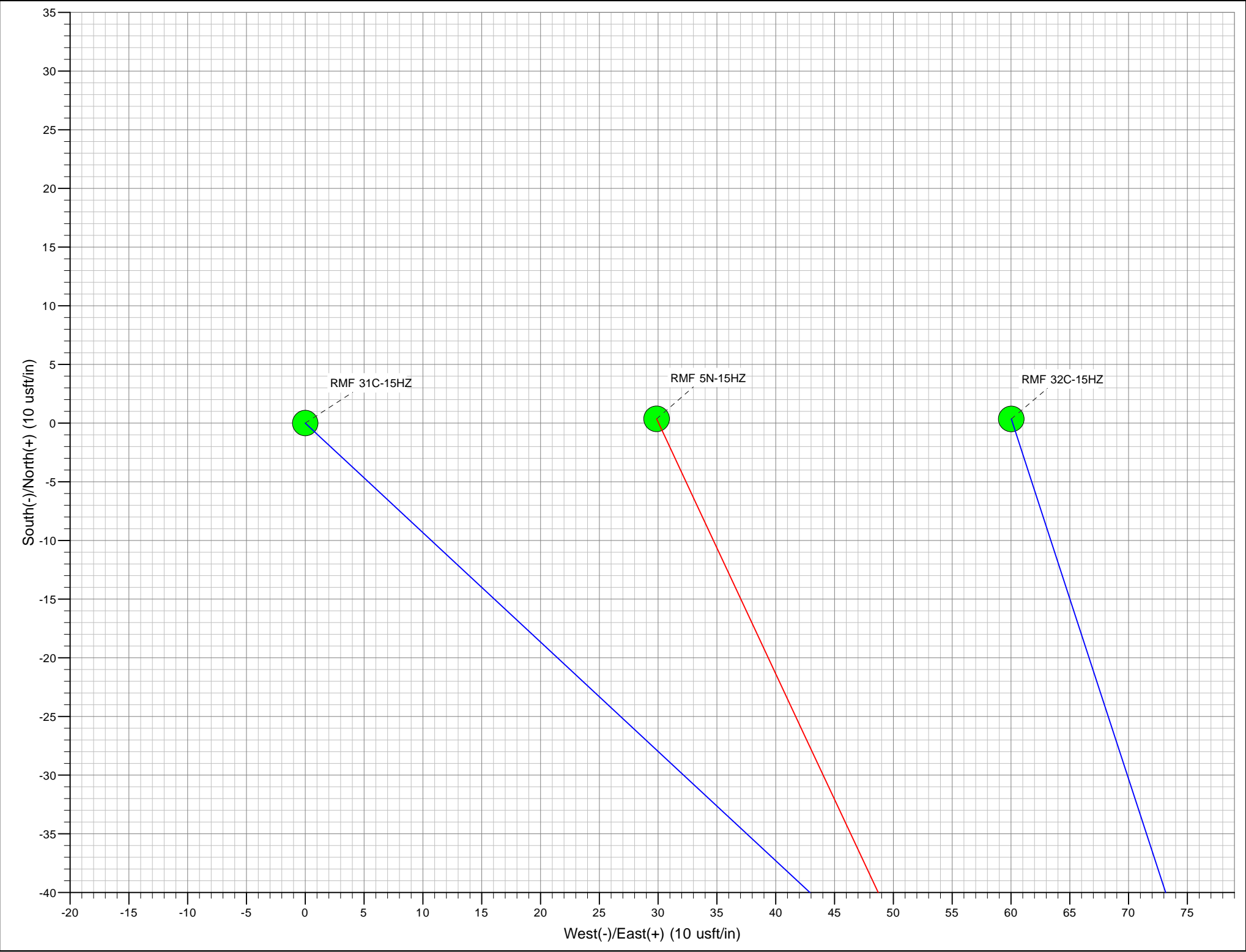
Plan: Rev A0 (RMF 5N-15HZ/Plan A)

Created By: Clint Eshelman

Date: 10/7/2013

Reviewed: _____

Date: _____



Plan Report for RMF 5N-15HZ - Rev A0

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)	Toolface Azimuth (°)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RMF 5N-15HZ_SHL - RMF 5N-15HZ_SEC										
100.00	0.00	0.00	100.00	0.00	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	0.00
300.00	0.00	0.00	300.00	0.00	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	0.00
500.00	0.00	0.00	500.00	0.00	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	0.00
700.00	0.00	0.00	700.00	0.00	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	0.00
900.00	0.00	0.00	900.00	0.00	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	0.00
1,015.00	0.00	0.00	1,015.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fox Hills Base										
1,065.00	0.00	0.00	1,065.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9 5/8"										
1,100.00	0.00	0.00	1,100.00	0.00	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	0.00
1,300.00	0.00	0.00	1,300.00	0.00	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	0.00
1,500.00	0.00	0.00	1,500.00	0.00	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	0.00
1,700.00	0.00	0.00	1,700.00	0.00	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	0.00
1,890.28	0.00	0.00	1,890.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Begin Nudge @ 1890.28ft										
1,900.00	0.19	155.00	1,900.00	-0.01	0.01	-0.01	2.00	2.00	0.00	155.00
2,000.00	2.19	155.00	1,999.97	-1.90	0.89	-0.89	2.00	2.00	0.00	0.00
2,100.00	4.19	155.00	2,099.81	-6.95	3.24	-3.24	2.00	2.00	0.00	0.00
2,200.00	6.19	155.00	2,199.40	-15.16	7.07	-7.06	2.00	2.00	0.00	0.00
2,300.00	8.19	155.00	2,298.60	-26.51	12.36	-12.35	2.00	2.00	0.00	0.00
2,400.00	10.19	155.00	2,397.31	-40.99	19.11	-19.10	2.00	2.00	0.00	0.00
2,500.00	12.19	155.00	2,495.41	-58.58	27.32	-27.30	2.00	2.00	0.00	0.00
2,600.00	14.19	155.00	2,592.76	-79.27	36.96	-36.94	2.00	2.00	0.00	0.00
2,640.28	15.00	155.00	2,631.74	-88.47	41.25	-41.22	2.00	2.00	0.00	0.00
End Nudge @ 2640.28ft										
2,700.00	15.00	155.00	2,689.43	-102.48	47.79	-47.75	0.00	0.00	0.00	0.00
2,800.00	15.00	155.00	2,786.02	-125.93	58.72	-58.68	0.00	0.00	0.00	0.00
2,900.00	15.00	155.00	2,882.61	-149.39	69.66	-69.61	0.00	0.00	0.00	0.00
3,000.00	15.00	155.00	2,979.20	-172.85	80.60	-80.54	0.00	0.00	0.00	0.00
3,100.00	15.00	155.00	3,075.80	-196.31	91.54	-91.47	0.00	0.00	0.00	0.00
3,200.00	15.00	155.00	3,172.39	-219.76	102.48	-102.40	0.00	0.00	0.00	0.00
3,300.00	15.00	155.00	3,268.98	-243.22	113.42	-113.33	0.00	0.00	0.00	0.00
3,400.00	15.00	155.00	3,365.58	-266.68	124.35	-124.26	0.00	0.00	0.00	0.00
3,500.00	15.00	155.00	3,462.17	-290.13	135.29	-135.19	0.00	0.00	0.00	0.00
3,600.00	15.00	155.00	3,558.76	-313.59	146.23	-146.12	0.00	0.00	0.00	0.00
3,700.00	15.00	155.00	3,655.35	-337.05	157.17	-157.05	0.00	0.00	0.00	0.00
3,800.00	15.00	155.00	3,751.95	-360.50	168.11	-167.98	0.00	0.00	0.00	0.00
3,900.00	15.00	155.00	3,848.54	-383.96	179.04	-178.91	0.00	0.00	0.00	0.00
4,000.00	15.00	155.00	3,945.13	-407.42	189.98	-189.84	0.00	0.00	0.00	0.00
4,100.00	15.00	155.00	4,041.72	-430.88	200.92	-200.77	0.00	0.00	0.00	0.00
4,117.89	15.00	155.00	4,059.00	-435.07	202.88	-202.73	0.00	0.00	0.00	0.00
Sussex										
4,200.00	15.00	155.00	4,138.32	-454.33	211.86	-211.70	0.00	0.00	0.00	0.00
4,300.00	15.00	155.00	4,234.91	-477.79	222.80	-222.63	0.00	0.00	0.00	0.00
4,400.00	15.00	155.00	4,331.50	-501.25	233.74	-233.56	0.00	0.00	0.00	0.00
4,500.00	15.00	155.00	4,428.09	-524.70	244.67	-244.49	0.00	0.00	0.00	0.00
4,600.00	15.00	155.00	4,524.69	-548.16	255.61	-255.42	0.00	0.00	0.00	0.00

Plan Report for RMF 5N-15HZ - Rev A0

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)	Toolface Azimuth (°)
4,668.65	15.00	155.00	4,591.00	-564.26	263.12	-262.92	0.00	0.00	0.00	0.00
Shannon										
4,700.00	15.00	155.00	4,621.28	-571.62	266.55	-266.35	0.00	0.00	0.00	0.00
4,800.00	15.00	155.00	4,717.87	-595.07	277.49	-277.28	0.00	0.00	0.00	0.00
4,900.00	15.00	155.00	4,814.46	-618.53	288.43	-288.21	0.00	0.00	0.00	0.00
5,000.00	15.00	155.00	4,911.06	-641.99	299.36	-299.14	0.00	0.00	0.00	0.00
5,100.00	15.00	155.00	5,007.65	-665.45	310.30	-310.07	0.00	0.00	0.00	0.00
5,200.00	15.00	155.00	5,104.24	-688.90	321.24	-321.00	0.00	0.00	0.00	0.00
5,300.00	15.00	155.00	5,200.83	-712.36	332.18	-331.93	0.00	0.00	0.00	0.00
5,400.00	15.00	155.00	5,297.43	-735.82	343.12	-342.86	0.00	0.00	0.00	0.00
5,500.00	15.00	155.00	5,394.02	-759.27	354.05	-353.79	0.00	0.00	0.00	0.00
5,520.28	15.00	155.00	5,413.61	-764.03	356.27	-356.01	0.00	0.00	0.00	0.00
Begin Drop @ 5520.28ft										
5,600.00	13.41	155.00	5,490.89	-781.76	364.54	-364.27	2.00	-2.00	0.00	180.00
5,700.00	11.41	155.00	5,588.55	-801.23	373.62	-373.34	2.00	-2.00	0.00	180.00
5,800.00	9.41	155.00	5,686.90	-817.59	381.25	-380.97	2.00	-2.00	0.00	180.00
5,900.00	7.41	155.00	5,785.82	-830.84	387.43	-387.14	2.00	-2.00	0.00	180.00
6,000.00	5.41	155.00	5,885.19	-840.95	392.14	-391.85	2.00	-2.00	0.00	180.00
6,100.00	3.41	155.00	5,984.89	-847.91	395.39	-395.09	2.00	-2.00	0.00	180.00
6,200.00	1.41	155.00	6,084.80	-851.72	397.16	-396.87	2.00	-2.00	0.00	180.00
6,270.28	0.00	0.00	6,155.07	-852.50	397.53	-397.23	2.00	-2.00	0.00	-180.00
End Drop @ 6270.28ft										
6,300.00	0.00	0.00	6,184.79	-852.50	397.53	-397.23	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,284.79	-852.50	397.53	-397.23	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,384.79	-852.50	397.53	-397.23	0.00	0.00	0.00	0.00
6,570.28	0.00	0.00	6,455.07	-852.50	397.53	-397.23	0.00	0.00	0.00	0.00
Top of 4.5" Liner @ 6570.28ft										
6,600.00	0.00	0.00	6,484.79	-852.50	397.53	-397.23	0.00	0.00	0.00	0.00
6,670.28	0.00	0.00	6,555.07	-852.50	397.53	-397.23	0.00	0.00	0.00	0.00
KOP @ 6670.28ft										
6,700.00	2.97	269.98	6,584.78	-852.50	396.76	-396.46	10.00	10.00	0.00	269.98
6,800.00	12.97	269.98	6,683.68	-852.50	382.91	-382.61	10.00	10.00	0.00	0.00
6,900.00	22.97	269.98	6,778.68	-852.51	352.09	-351.79	10.00	10.00	0.00	0.00
7,000.00	32.97	269.98	6,866.89	-852.53	305.24	-304.95	10.00	10.00	0.00	0.00
7,100.00	42.97	269.98	6,945.62	-852.55	243.80	-243.50	10.00	10.00	0.00	0.00
DLS = 10/100'										
7,195.89	52.56	269.98	7,010.00	-852.57	172.88	-172.58	10.00	10.00	0.00	0.00
Sharon Springs										
7,200.00	52.97	269.98	7,012.49	-852.57	169.61	-169.31	10.00	10.00	0.00	0.00
7,263.81	59.35	269.98	7,048.00	-852.58	116.63	-116.34	10.00	10.00	0.00	0.00
Niobrara A										
7,300.00	62.97	269.98	7,065.45	-852.59	84.94	-84.64	10.00	10.00	0.00	0.00
7,400.00	72.97	269.98	7,102.91	-852.62	-7.65	7.94	10.00	10.00	0.00	0.00
7,457.68	78.74	269.98	7,117.00	-852.64	-63.56	63.85	10.00	10.00	0.00	0.00
Niobrara B										
7,500.00	82.97	269.98	7,123.72	-852.65	-105.33	105.62	10.00	10.00	0.00	0.00
7,575.55	90.53	269.98	7,128.00	-852.67	-180.70	181.00	10.00	10.00	0.00	0.00
End Build @ 7575.55ft - Landing Target (Heel) - 7"										
7,600.00	90.53	269.98	7,127.78	-852.68	-205.15	205.45	0.00	0.00	0.00	0.00
7,700.00	90.53	269.98	7,126.86	-852.71	-305.15	305.44	0.00	0.00	0.00	0.00
7,800.00	90.53	269.98	7,125.94	-852.74	-405.14	405.44	0.00	0.00	0.00	0.00
7,900.00	90.53	269.98	7,125.02	-852.77	-505.14	505.43	0.00	0.00	0.00	0.00
8,000.00	90.53	269.98	7,124.10	-852.80	-605.13	605.43	0.00	0.00	0.00	0.00
8,100.00	90.53	269.98	7,123.18	-852.83	-705.13	705.43	0.00	0.00	0.00	0.00
8,200.00	90.53	269.98	7,122.26	-852.86	-805.12	805.42	0.00	0.00	0.00	0.00
8,300.00	90.53	269.98	7,121.34	-852.89	-905.12	905.42	0.00	0.00	0.00	0.00
8,400.00	90.53	269.98	7,120.42	-852.92	-1,005.12	1,005.41	0.00	0.00	0.00	0.00
8,500.00	90.53	269.98	7,119.50	-852.95	-1,105.11	1,105.41	0.00	0.00	0.00	0.00

Plan Report for RMF 5N-15HZ - Rev A0

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)	Toolface Azimuth (°)
8,600.00	90.53	269.98	7,118.58	-852.98	-1,205.11	1,205.40	0.00	0.00	0.00	0.00
8,700.00	90.53	269.98	7,117.66	-853.01	-1,305.10	1,305.40	0.00	0.00	0.00	0.00
8,800.00	90.53	269.98	7,116.74	-853.04	-1,405.10	1,405.40	0.00	0.00	0.00	0.00
8,900.00	90.53	269.98	7,115.82	-853.07	-1,505.09	1,505.39	0.00	0.00	0.00	0.00
9,000.00	90.53	269.98	7,114.90	-853.10	-1,605.09	1,605.39	0.00	0.00	0.00	0.00
9,100.00	90.53	269.98	7,113.98	-853.13	-1,705.09	1,705.38	0.00	0.00	0.00	0.00
9,200.00	90.53	269.98	7,113.06	-853.16	-1,805.08	1,805.38	0.00	0.00	0.00	0.00
9,300.00	90.53	269.98	7,112.14	-853.18	-1,905.08	1,905.38	0.00	0.00	0.00	0.00
9,400.00	90.53	269.98	7,111.22	-853.21	-2,005.07	2,005.37	0.00	0.00	0.00	0.00
9,500.00	90.53	269.98	7,110.30	-853.24	-2,105.07	2,105.37	0.00	0.00	0.00	0.00
9,600.00	90.53	269.98	7,109.38	-853.27	-2,205.06	2,205.36	0.00	0.00	0.00	0.00
9,700.00	90.53	269.98	7,108.47	-853.30	-2,305.06	2,305.36	0.00	0.00	0.00	0.00
9,800.00	90.53	269.98	7,107.55	-853.33	-2,405.06	2,405.35	0.00	0.00	0.00	0.00
9,900.00	90.53	269.98	7,106.63	-853.36	-2,505.05	2,505.35	0.00	0.00	0.00	0.00
10,000.00	90.53	269.98	7,105.71	-853.39	-2,605.05	2,605.35	0.00	0.00	0.00	0.00
10,100.00	90.53	269.98	7,104.79	-853.42	-2,705.04	2,705.34	0.00	0.00	0.00	0.00
10,200.00	90.53	269.98	7,103.87	-853.45	-2,805.04	2,805.34	0.00	0.00	0.00	0.00
10,300.00	90.53	269.98	7,102.95	-853.48	-2,905.04	2,905.33	0.00	0.00	0.00	0.00
10,400.00	90.53	269.98	7,102.03	-853.51	-3,005.03	3,005.33	0.00	0.00	0.00	0.00
10,500.00	90.53	269.98	7,101.11	-853.54	-3,105.03	3,105.32	0.00	0.00	0.00	0.00
10,600.00	90.53	269.98	7,100.19	-853.57	-3,205.02	3,205.32	0.00	0.00	0.00	0.00
10,700.00	90.53	269.98	7,099.27	-853.60	-3,305.02	3,305.32	0.00	0.00	0.00	0.00
10,800.00	90.53	269.98	7,098.35	-853.63	-3,405.01	3,405.31	0.00	0.00	0.00	0.00
10,900.00	90.53	269.98	7,097.43	-853.66	-3,505.01	3,505.31	0.00	0.00	0.00	0.00
11,000.00	90.53	269.98	7,096.51	-853.69	-3,605.01	3,605.30	0.00	0.00	0.00	0.00
11,100.00	90.53	269.98	7,095.59	-853.72	-3,705.00	3,705.30	0.00	0.00	0.00	0.00
11,200.00	90.53	269.98	7,094.67	-853.75	-3,805.00	3,805.29	0.00	0.00	0.00	0.00
11,300.00	90.53	269.98	7,093.75	-853.78	-3,904.99	3,905.29	0.00	0.00	0.00	0.00
11,400.00	90.53	269.98	7,092.83	-853.81	-4,004.99	4,005.29	0.00	0.00	0.00	0.00
11,500.00	90.53	269.98	7,091.91	-853.84	-4,104.98	4,105.28	0.00	0.00	0.00	0.00
11,600.00	90.53	269.98	7,090.99	-853.87	-4,204.98	4,205.28	0.00	0.00	0.00	0.00
11,700.00	90.53	269.98	7,090.07	-853.90	-4,304.98	4,305.27	0.00	0.00	0.00	0.00
11,707.72	90.53	269.98	7,090.00	-853.90	-4,312.70	4,312.99	0.00	0.00	0.00	0.00
Total Depth (Toe)										
11,707.73	90.53	269.98	7,090.00	-853.90	-4,312.71	4,313.00	0.00	0.00	0.00	0.00
TD Well @ 11707.73ft - RMF 5N-15HZ_BHL										

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,890.28	1,890.28	0.00	0.00	Begin Nudge @ 1890.28ft
2,640.28	2,631.74	-88.47	41.25	End Nudge @ 2640.28ft
5,520.28	5,413.61	-764.03	356.27	Begin Drop @ 5520.28ft
6,270.28	6,155.07	-852.50	397.53	End Drop @ 6270.28ft
6,570.28	6,455.07	-852.50	397.53	Top of 4.5" Liner @ 6570.28ft
6,670.28	6,555.07	-852.50	397.53	KOP @ 6670.28ft
7,100.00	6,945.62	-852.55	243.80	DLS = 10/100'
7,575.55	7,128.00	-852.67	-180.70	End Build @ 7575.55ft
11,707.73	7,090.00	-853.90	-4,312.71	TD Well @ 11707.73ft

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin		Start TVD (usft)
				+N/_S (usft)	+E/-W (usft)	
User	No Target (Freehand)	269.98	Slot	0.00	0.00	0.00

Plan Report for RMF 5N-15HZ - Rev A0

Survey tool program

From (usft)	To (usft)	Survey/Plan	Survey Tool
0.00	7,575.55	Rev A0	MWD
7,575.55	11,707.73	Rev A0	MWD

Casing Details

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
1,065.00	1,065.00	9 5/8"	9-5/8	13-1/2
7,575.55	7,128.00	7"	7	8-3/4

Formation Details

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,015.00	1,015.00	Fox Hills Base		0.00	
4,117.89	4,059.00	Sussex		0.00	
4,668.65	4,591.00	Shannon		0.00	
7,195.89	7,010.00	Sharon Springs		0.00	
7,263.81	7,048.00	Niobrara A		0.00	
7,457.68	7,117.00	Niobrara B		0.00	
7,575.55	7,128.00	Landing Target (Heel)		0.00	
11,707.72	7,090.00	Total Depth (Toe)		0.00	

Targets associated with this wellbore

Target Name	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Shape
RMF 5N-15HZ_SHL	0.00	0.00	0.00	Point
RMF 5N-15HZ_SEC	0.00	0.00	0.00	Polygon
RMF 5N-15HZ_BHL	7,090.00	-853.90	-4,312.71	Point

Directional Difficulty Index

Average Dogleg over Survey:	1.03 °/100usft	Maximum Dogleg over Survey:	10.00 °/100usft at 7,575.55 usft
Net Tortousity applicable to Plans:	1.03 °/100usft	Directional Difficulty Index:	6.190

Audit Info

North Reference Sheet for Sec. 15-T3N-R68W - RMF 5N-15HZ - Plan A

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to True North Reference.
Vertical Depths are relative to RKB = 17' @ 4984.00usft (Drilling Rig). Northing and Easting are relative to RMF 5N-15HZ
Coordinate System is US State Plane 1983, Colorado Northern Zone using datum North American Datum 1983, ellipsoid GRS 1980
Projection method is Lambert Conformal Conic (2 parallel)
Central Meridian is -105.50°, Longitude Origin:0.000000°, Latitude Origin:40.783333°
False Easting: 3,000,000.00usft, False Northing: 1,000,000.00usft, Scale Reduction: 0.99995691

Grid Coordinates of Well: 1,327,102.71 usft N, 3,144,776.16 usft E
Geographical Coordinates of Well: 40° 13' 48.48" N, 104° 58' 53.30" W
Grid Convergence at Surface is: 0.34°

Based upon Minimum Curvature type calculations, at a Measured Depth of 11,707.73usft
the Bottom Hole Displacement is 4,396.43usft in the Direction of 258.80° (True).
Magnetic Convergence at surface is: -8.35° (7 October 2013, , BGGM2013)

