

SYSDRILL
Closest Approach Summary Report
Wellbore: HDI KF 03-232HN (PWB)
Wellpath: HDI 03-232HN (PWP#1)

Ellipse separations are reported ONLY if BOTH wells have uncertainty data
Only Depth and Magnetic Reference Field error terms are correlated across tie points
Scan limit is calculated on CENTRE to CENTRE distance

Summary data uses Closest Approach clearance calculation for all minima
Hole size/Casings ARE included
Hole size/Casings are NOT subtracted from Centre-Centre distance
Confidence limit of 95.00% / 2.80 SD.

Wellbore

Name	HDI KF 03-232HN (PWB)
Created	24-Mar-2016
Last Revised	6-May-2016

Well

Name	HDI KF 03-232HN
Government ID	
Last Revised	25-Mar-2016

Slot

Name	Slot 02 - HDI KF 03-232HN
Grid Northing	1266084.309
Grid Easting	3239911.186
Latitude	N40 3 38.1888
Longitude	W104 38 34.3284
North	0.000
East	69.420

Installation

Name	HDI
Easting	3239841.773
Northing	1266083.639
Map Name	<unknown>
North Alignment	True

Field

Name	Wattenburg
Easting	#####
Northing	#####
Map Name	<unknown>
North Alignment	Grid

Clearance Summary

Offset WellName	Offset Wellbore	Offset Slot	Offset Structure	Separation [ft]	MD[ft]	Diverging From[ft]	Ellipse Separation [ft]	Ellipse MD[ft]	Clearance Factor	Clearance MD[ft]
HDI KF 03-232HC	HDI KF 03-232HC (PWB)	Slot 03 - HDI	HDI	14.560	3439.000	7203.640	8.460	3444.680	2.390	3444.680
HDI KF 03-231HN	HDI KF 03-231HN (PWB)	Slot 01 - HDI	HDI	14.840	3027.000	14839.630	9.400	3027.000	2.710	14839.630
HDI KF 03-233HN	HDI KF 03-233HN (PWB)	Slot 04 - HDI	HDI	29.390	3439.000	14839.630	23.300	3444.680	3.040	14829.190
HDI KF 03-234HN	HDI KF 03-234HN (PWB)	Slot 05 - HDI	HDI	45.070	3439.000	14839.630	38.970	3444.680	5.400	14829.190
HDI KF 03-234HC	HDI KF 03-234HC (PWB)	Slot 06 - HDI	HDI	59.620	3439.000	14839.630	53.530	3444.680	6.300	14829.190
HDI KF 03-236HN	HDI KF 03-236HN (PWB)	Slot 07 - HDI	HDI	74.460	3439.000	14839.630	68.360	3444.680	8.340	14829.190
HDI KF 03-237HN	HDI KF 03-237HN (PWB)	Slot 08 - HDI	HDI	90.130	3439.000	14839.630	84.040	3444.680	10.790	14829.190
HDI KF 03-237HC	HDI KF 03-237HC (PWB)	Slot 09 - HDI	HDI	104.970	3439.000	14839.630	98.870	3444.680	11.450	14829.190
HDI KF 03-238HN	HDI KF 03-238HN (PWB)	Slot 10 - HDI	HDI	119.520	3439.000	14839.630	113.430	3444.680	13.700	14829.190
HDI KF 03-239HC	HDI KF 03-239HC (PWB)	Slot 11 - HDI	HDI	134.360	3439.000	14839.630	128.260	3444.680	15.270	14829.190
HDI KF 03-239HN	HDI KF 03-239HN (PWB)	Slot 12 - HDI	HDI	150.030	3439.000	14835.740	143.940	3444.680	16.390	14829.190
HDI KF 03-240HN	HDI KF 03-240HN (PWB)	Slot 13 - HDI	HDI	164.590	3439.000	14839.630	158.490	3444.680	18.930	14839.630
CSPK- Ottesen 3L-3H-L1	CSPK- Ottesen 3L-3H-L165 (PWB)	AA - CSPK- CHDI		516.790	7854.770	14839.630	450.380	7857.410	7.780	7857.410
CSPK- Ottesen 3K-3H-L1	CSPK- Ottesen 3K-3H-L165 (PWB)	AA - CSPK- CHDI		736.900	7853.780	14839.630	669.380	7853.780	10.910	7853.780
CSPK- Ottesen 3J-3H-L1	CSPK- Ottesen 3J-3H-L165 (PWB)	AA - CSPK- CHDI		938.310	7853.370	7853.370	868.460	7853.370	13.430	7853.370
KMG- SPARBOE 7C-3HZ KMG- SPARBOE 7C-3HZ (AWB)		AA - KMG- SfHDI		972.260	14839.630	14839.630	938.730	14839.630	29.000	14839.630
GWOG Perry #1	GWOG Perry #1 (AWB)	AA - GWOG fHDI		972.500	3904.000	8932.050	964.250	3936.800	68.140	8792.450
KMG- SPARBOE 7N-3HZ KMG- SPARBOE 7N-3HZ (AWB)		AA - KMG- SfHDI		1016.600	14839.630	14839.630	959.300	14839.630	17.740	14839.630
CSPK- Ottesen 3I-3H-L1	CSPK- Ottesen 3I-3H-L165 (PWB)	AA - CSPK- CHDI		1172.880	7853.140	14796.380	1103.700	7853.140	16.960	7853.140
KMG- SPARBOE 24C-3HKMG- SPARBOE 24C-3HZ (AWB)		AA - KMG- SfHDI		1296.150	14839.630	14839.630	1200.780	14839.630	13.590	14839.630
KMG- SPARBOE 24C-3HKMG- SPARBOE 24C-3HZ (AWB)		AA - KMG- SfHDI		1296.150	14839.630	14839.630	1200.780	14839.630	13.590	14839.630
KMG- SPARBOE 24N-3HKMG- SPARBOE 24N-3HZ (AWB)		AA - KMG- SfHDI		1420.510	14839.630	14839.630	1315.470	14839.630	13.520	14839.630
CSPK- Ottesen 3H-3H-L1	CSPK- Ottesen 3H-3H-L165 (PWB)	AA - CSPK- CHDI		1421.650	7852.670	14839.630	1352.450	7852.670	20.540	7824.600
KMG- SPARBOE 8C-3HZ KMG- SPARBOE 8C-3HZ (AWB)		AA - KMG- SfHDI		1612.190	14839.630	14839.630	1502.850	14839.630	14.750	14839.630
CSPK- Ottesen 3G-3H-L1	CSPK- Ottesen 3G-3H-L165 (PWB)	AA - CSPK- CHDI		1646.600	7851.790	7851.790	1576.700	7851.790	23.540	7808.190
CSPK- Ottesen 3F-3H-L1	CSPK- Ottesen 3F-3H-L165 (PWB)	AA - CSPK- CHDI		1813.580	14839.630	14839.630	1746.980	14839.630	26.650	7791.790
KMG- SPARBOE 8N-3HZ KMG- SPARBOE 8N-3HZ (AWB)		AA - KMG- SfHDI		1835.950	14839.630	14839.630	1719.660	14839.630	15.790	14839.630
KMG- SPARBOE 40C-3HKMG- SPARBOE 40C-3HZ (AWB)		AA - KMG- SfHDI		2199.470	14839.630	14839.630	2078.160	14839.630	18.130	14839.630
KMG- SPARBOE 40N-3HKMG- SPARBOE 40N-3HZ (AWB)		AA - KMG- SfHDI		2519.420	14839.630	14839.630	2394.910	14839.630	20.230	14839.630