

SYSDRILL
Closest Approach Summary Report
Wellbore: Schneider HD 11-382HNX (PWB)
Wellpath: Schneider HD 11-392HNX (PWF#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	Schneider HD 11-382HNX (PWB)
Created	7-Dec-2016
Last Revised	22-Dec-2016

Well

Name	Schneider HD 11-382HNX
Government ID	
Last Revised	22-Dec-2016

Slot

Name	Slot 16 - Schneider HD 11-382HNX
Grid Northing	1360909.664
Grid Easting	3187171.606
Latitude	N40 19 19.7508
Longitude	W104 49 43.3884
North	-225.510
East	1.670

Installation

Name	Schneider - South
Easting	3187168.226
Northing	1361135.142
Map Name	<unknown>
North Alignment	True

Field

Name	Wattenburg
Easting	41136929.757
Northing	12284170.646
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]
Schneider HD 11-342HNX	Schneider HD 11-342HNX (PWB)	Slot 15 - Schneider HD 11-342HNX	Schneider - South	14.960	4568.000	17143.960	7.020	4568.000	1.880	4576.770
Schneider HD 11-339HN	Schneider HD 11-339HN (PWB)	Slot 14 - Schneider HD 11-339HN	Schneider - South	30.250	4568.000	17143.960	22.310	4568.000	3.810	4576.770
Schneider HD 11-392HN	Schneider HD 11-392HN (AWB)	Slot 13 - Schneider HD 11-392HN	Schneider - South	40.750	880.980	14458.180	38.240	4183.070	1.880	14468.500
Schneider HD 11-369HN	Schneider HD 11-369HN (AWB)	Slot 12 - Schneider HD 11-369HN	Schneider - South	57.580	2919.950	14460.930	52.240	3001.970	1.900	14452.100
Schneider HD 11-369HC	Schneider HD 11-369HC (AWB)	Slot 11 - Schneider HD 11-369HC	Schneider - South	71.200	4576.770	14043.610	63.260	4576.770	4.360	14468.500
Schneider HD 11-352HN	Schneider HD 11-352HN (AWB)	Slot 10 - Schneider HD 11-352HN	Schneider - South	87.200	508.530	14465.360	84.360	4576.770	4.590	14452.100
Schneider HD 11-339HC	Schneider HD 11-339HC (PWB)	Slot 09 - Schneider HD 11-339HC	Schneider - South	105.290	4568.000	17143.960	97.350	4568.000	5.370	17143.960
Schneider HD 11-299HN	Schneider HD 11-299HN (PWB)	Slot 08 - Schneider HD 11-299HN	Schneider - South	120.220	4568.000	17143.960	112.290	4568.000	6.870	17143.960
Schneider HD 11-299HNX	Schneider HD 11-299HNX (PWB)	Slot 07 - Schneider HD 11-299HNX	Schneider - South	135.520	4568.000	17143.960	127.590	4568.000	7.110	17143.960
Schneider HD 11-262HC	Schneider HD 11-262HC (PWB)	Slot 06 - Schneider HD 11-262HC	Schneider - South	150.830	4568.000	17143.960	142.890	4568.000	8.590	17143.960
Schneider HD 11-262HN	Schneider HD 11-262HN (PWB)	Slot 05 - Schneider HD 11-262HN	Schneider - South	165.030	4568.000	17143.960	157.090	4568.000	8.760	17143.960
Schneider HD 11-259HN	Schneider HD 11-259HN (PWB)	Slot 04 - Schneider HD 11-259HN	Schneider - South	179.970	4568.000	17143.960	172.030	4568.000	10.410	17143.960
Schneider HD 11-259HNX	Schneider HD 11-259HNX (PWB)	Slot 03 - Schneider HD 11-259HNX	Schneider - South	195.270	4568.000	17143.960	187.330	4568.000	10.670	17143.960
Schneider HD 11-222HC	Schneider HD 11-222HC (PWB)	Slot 02 - Schneider HD 11-222HC	Schneider - South	210.570	4568.000	17143.960	202.630	4568.000	11.190	17143.960
Synergy Brownwood 11-1	Synergy Brownwood 11-1 (AWB)	Z-Synergy Brownwood 11-1	Schneider - South	524.840	15500.000	15500.000	440.860	15498.230	6.230	15485.560
Noble Steele 2-11	Noble Steele 2-11 (AWB)	Z-Noble Steele 2-11	Schneider - South	574.420	16994.910	16994.910	477.040	16994.910	5.900	16978.350
Noble Ehrlick Feed Lot 1	Noble Ehrlick Feed Lot 1 (AWB)	Z-Noble Ehrlick Feed Lot 1	Schneider - South	892.360	10719.450	10719.450	849.920	10719.450	21.030	10711.940
Synergy Brownwood 11-2	Synergy Brownwood 11-2 (AWB)	Z-Synergy Brownwood 11-2	Schneider - South	1681.630	15464.100	15464.100	1597.730	15469.160	20.020	15518.370
Noble Steele 1-11	Noble Steele 1-11 (AWB)	Z-Noble Steele 1-11	Schneider - South	1932.000	17017.420	17017.420	1834.390	17027.560	19.760	17100.000

All data is in Feet unless otherwise stated
Coordinates are from Slot MD's one from Rig and TVD's are from Rig (Planned Datum #1 4755.1ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 264.780 degrees
Prepared by Great Western Operating Company
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