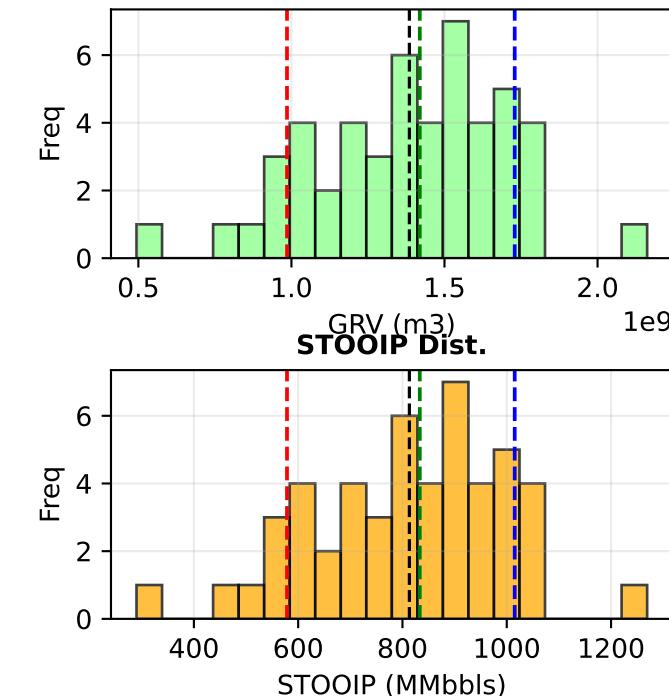
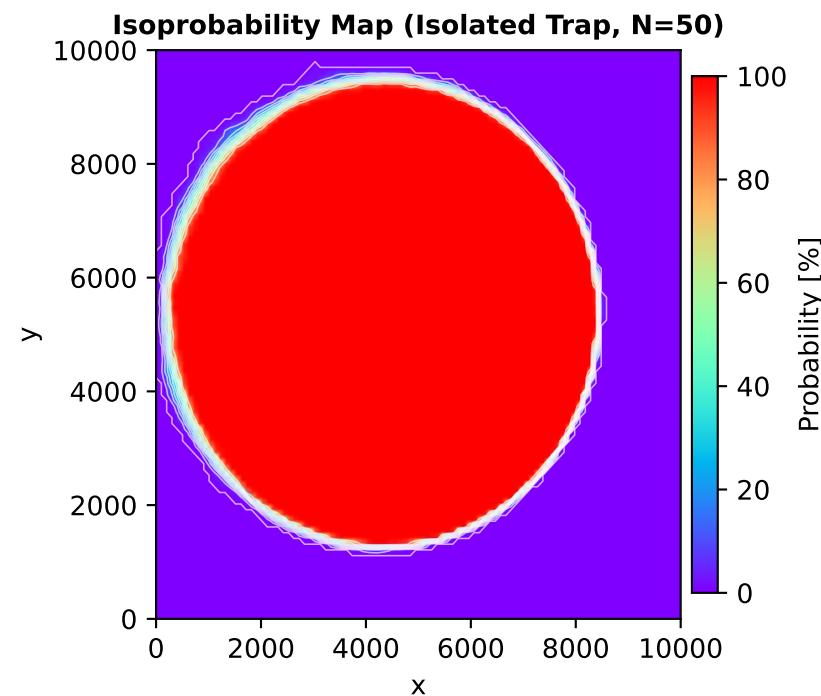
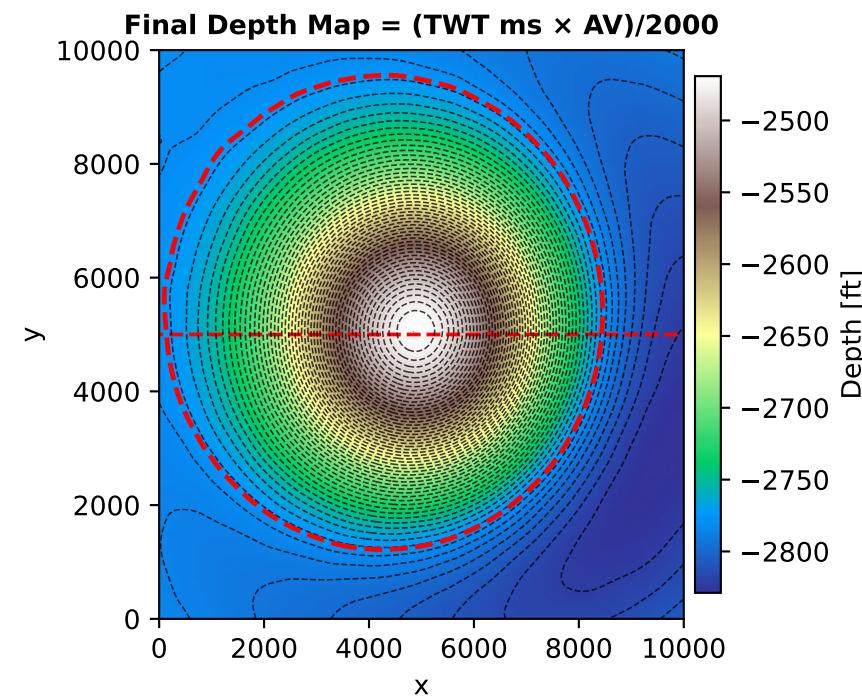
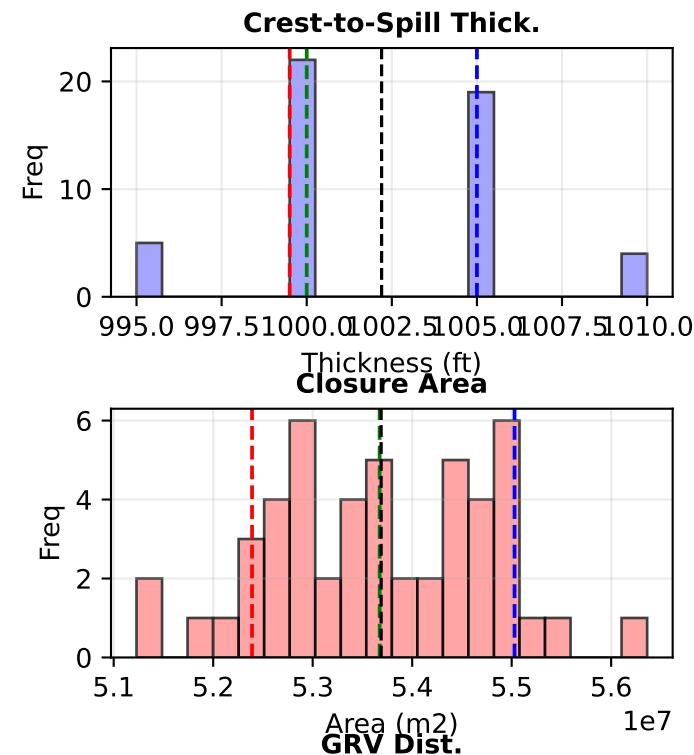
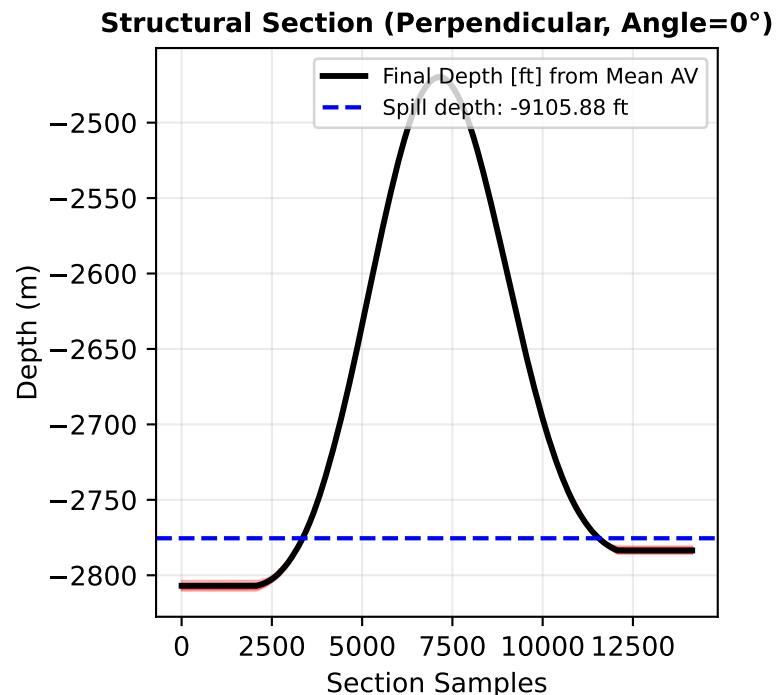
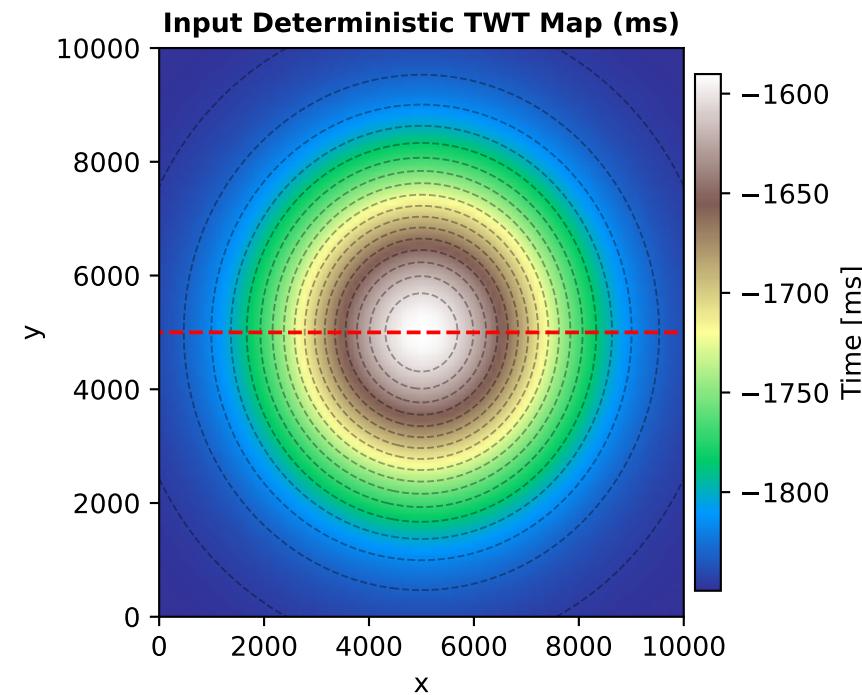


Structural Uncertainty Evaluation



Structural Uncertainty Evaluation — Summary Table



Summary Statistics (P90 / P50 / P10 / Mean)

Metric	P90	P50	P10	Mean
Thickness (ft)	999.5	1000.0	1005.0	1002.2
Area (m ²)	52390572.391	53673094.582	55029078.665	53687991.021
GRV (m ³)	985569817.6	1419314176.0	1729411072.0	1385296317.44
STOOIP (MMbbls)	578.577	833.206	1015.247	813.235

Structural Uncertainty Evaluation — Per-Realization Results (1-40 of 50)



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Realization	SpillDepth(ft)	CrestDepth(ft)	Thickness(ft)	Area(m2)	GRV(m3)	STOOIP(MMbbls)
1.0	-9106.227	-8101.227	1005.0	55014794.409	1505290240.0	883.678
2.0	-9100.477	-8100.477	1000.0	53014998.47	897940736.0	527.134
3.0	-9102.011	-8097.011	1005.0	53351698.806	1651763712.0	969.665
4.0	-9106.115	-8101.115	1005.0	54627078.87	1750011136.0	1027.341
5.0	-9101.459	-8101.459	1000.0	53474135.292	493986816.0	289.994
6.0	-9102.052	-8102.052	1000.0	53484338.333	778007808.0	456.728
7.0	-9101.554	-8096.554	1005.0	52974186.308	1404481536.0	824.498
8.0	-9095.332	-8100.332	995.0	51851851.852	1193128704.0	700.424
9.0	-9101.077	-8101.077	1000.0	53259871.442	1345501440.0	789.874
10.0	-9105.895	-8095.895	1010.0	54596469.748	1002689536.0	588.627
11.0	-9106.104	-8106.104	1000.0	54453627.181	1727122176.0	1013.904
12.0	-9107.182	-8102.182	1005.0	54963779.206	1692471296.0	993.562
13.0	-9099.473	-8099.473	1000.0	52902765.024	1371733248.0	805.273
14.0	-9107.466	-8102.466	1005.0	54984185.287	1823897856.0	1070.716
15.0	-9102.965	-8097.965	1005.0	53627180.9	1546697984.0	907.986
16.0	-9108.396	-8098.396	1010.0	55076012.652	1007768064.0	591.608
17.0	-9099.031	-8099.031	1000.0	52504846.444	1489127936.0	874.19
18.0	-9098.423	-8098.423	1000.0	52402816.039	925160192.0	543.113
19.0	-9099.643	-8099.643	1000.0	53137434.956	1686955520.0	990.324
20.0	-9102.435	-8102.435	1000.0	53616977.859	1332476416.0	782.228
21.0	-9097.441	-8097.441	1000.0	52086521.783	1260432384.0	739.934
22.0	-9102.879	-8097.879	1005.0	53719008.264	1068527616.0	627.277
23.0	-9099.683	-8099.683	1000.0	52810937.659	1813778688.0	1064.775
24.0	-9106.657	-8106.657	1000.0	54780124.477	1313835264.0	771.284
25.0	-9104.332	-8104.332	1000.0	54310784.614	1185302016.0	695.829
26.0	-9108.733	-8103.733	1005.0	55320885.624	1237857280.0	726.682
27.0	-9100.248	-8105.248	995.0	52912968.064	1557121536.0	914.105
28.0	-9099.934	-8104.934	995.0	52617079.89	1498018560.0	879.409
29.0	-9106.554	-8096.554	1010.0	55065809.611	1545895424.0	907.515
30.0	-9103.392	-8103.392	1000.0	54116926.844	1539482880.0	903.75
31.0	-9103.032	-8103.032	1000.0	53882256.913	2161992448.0	1269.193
32.0	-9105.203	-8100.203	1005.0	54372002.857	1199378432.0	704.093
33.0	-9105.829	-8100.829	1005.0	54565860.626	1155744000.0	678.477
34.0	-9098.226	-8103.226	995.0	52280379.553	987190784.0	579.528
35.0	-9098.535	-8098.535	1000.0	52739516.376	1581828864.0	928.609
36.0	-9100.291	-8100.291	1000.0	52719110.295	1781707776.0	1045.948
37.0	-9102.863	-8097.863	1005.0	53790429.548	1314439680.0	771.639
38.0	-9109.702	-8104.702	1005.0	55555555.556	1024959744.0	601.701
39.0	-9093.956	-8093.956	1000.0	51229466.381	970981120.0	570.013
40.0	-9104.776	-8099.776	1005.0	54065911.642	1631238400.0	957.615

Structural Uncertainty Evaluation — Per-Realization Results (41-50 of 50)



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Realization	SpillDepth(ft)	CrestDepth(ft)	Thickness(ft)	Area(m2)	GRV(m3)	STOOIP(MMbbls)
41.0	-9108.155	-8103.155	1005.0	55024997.449	1685519104.0	989.481
42.0	-9093.946	-8098.946	995.0	51229466.381	1527387648.0	896.65
43.0	-9110.408	-8100.408	1010.0	56361595.756	1110263552.0	651.778
44.0	-9103.274	-8098.274	1005.0	54014896.439	1462776320.0	858.72
45.0	-9099.028	-8099.028	1000.0	52545658.606	1387694080.0	814.643
46.0	-9100.169	-8100.169	1000.0	52974186.308	1434146816.0	841.913
47.0	-9105.899	-8100.899	1005.0	54443424.14	1719316480.0	1009.321
48.0	-9105.113	-8100.113	1005.0	54412815.019	1467490304.0	861.487
49.0	-9102.45	-8102.45	1000.0	53759820.426	1636278528.0	960.574
50.0	-9100.869	-8095.869	1005.0	53372104.887	1378017792.0	808.963

Structural Uncertainty Evaluation — Parameters and Configuration

Input & Realizations

- Surface: Synthetic TWT Input
- Number of realizations: 50
- Velocity Std. Dev. (ft/s): 3.937
- Smoothing sigma: 2.0
- Section/Cut angle (°): 0
- Torch acceleration enabled: True
- Contour step (spill search, ft): 5

Variogram

- Model type: Gaussian
- Range (m): 1500
- Sill: 1.0
- Nugget: 0.0

Volumetrics

- Thickness mean (m): 102
- Thickness std. dev. (m): 37
- N/G: 0.8
- Porosity: 0.2
- Water saturation (Sw): 0.3
- FVF: 1.2

Equations

- Depth = TWT × AV / 2000 (with current unit selections)
- STOOIP = $(GRV \times N/G \times \Phi \times (1 - Sw)) / FVF$