4-23-10E

JACKSON BROTHERS

JACKSON-COVERT NO. 3

DIPMETER REPORT

SCHLUMBERGER WELL SERVICES
A DIVISION OF SCHLUMBERGER TECHNOLOGY CORPORATION
5000 GULF FREEWAY P. O. BOX 2175 HOUSTON, TEXAS 77001

December 16, 1966

PLEASE REPLY TO
SUITE 1120 WICHITA PLAZA BLDG.
WICHITA, KANSAS 67202

Jackson Brothers
514 North Main
Eureka, Kansas

Gentlemen:

This report is intended to summarize our interpretation of the Continuous Dipmeter Survey ran on your Jackson-Covert No. 3, Greenwood County, Kansas. Included in this report is the graphic presentation of dip calculations, the tabular presentation of dip calculations and a series of dip frequency polar diagrams the interpretation of which is discussed below.

The Bartlesville Sand in this well is a N55°E trending bar and the thicker part of the bar is located S35°E from this well.

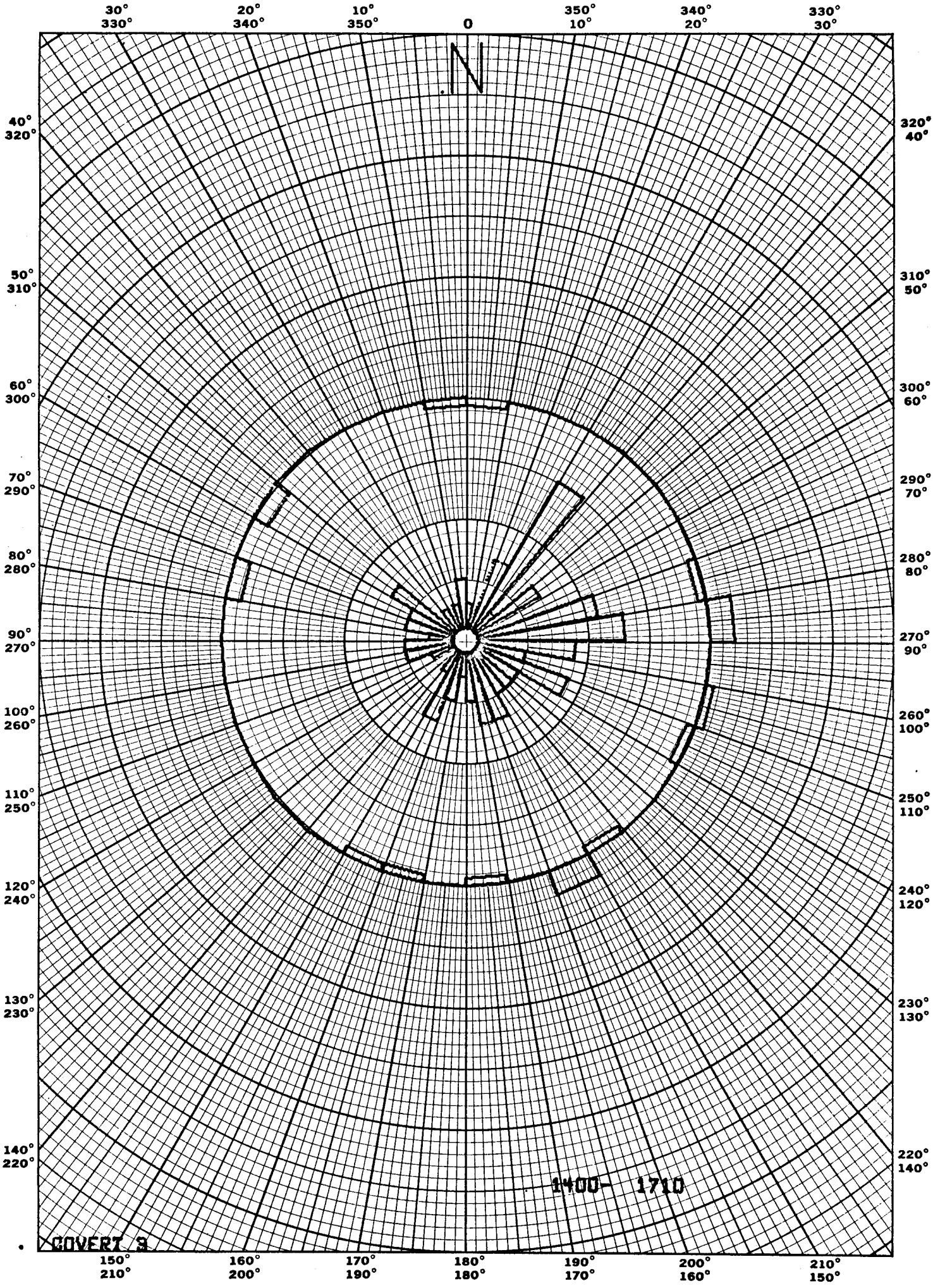
Structural dip is down at less than 1° to the east.

The interpretations of Dipmeter logs and the geological conclusions which are discussed in this report represent our best judgment. Nevertheless, since all interpretations and the conclusions reached are based on inferences from electrical and other measurements, as well as geological data which necessarily includes the consideration of some unproven factors, we must advise you that we cannot and do not guarantee their accuracy or correctness and shall not be liable or responsible, except in the case of willful negligence on our part, for any loss, costs, damages or expenses that may be incurred or sustained from such interpretations or the geological conclusions set out in this report.

Thank you for calling Schlumberger on this well. If we can be of further assistance, please feel free to call on us at any time.

Jerry Harper

JLH:ep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230° 130°
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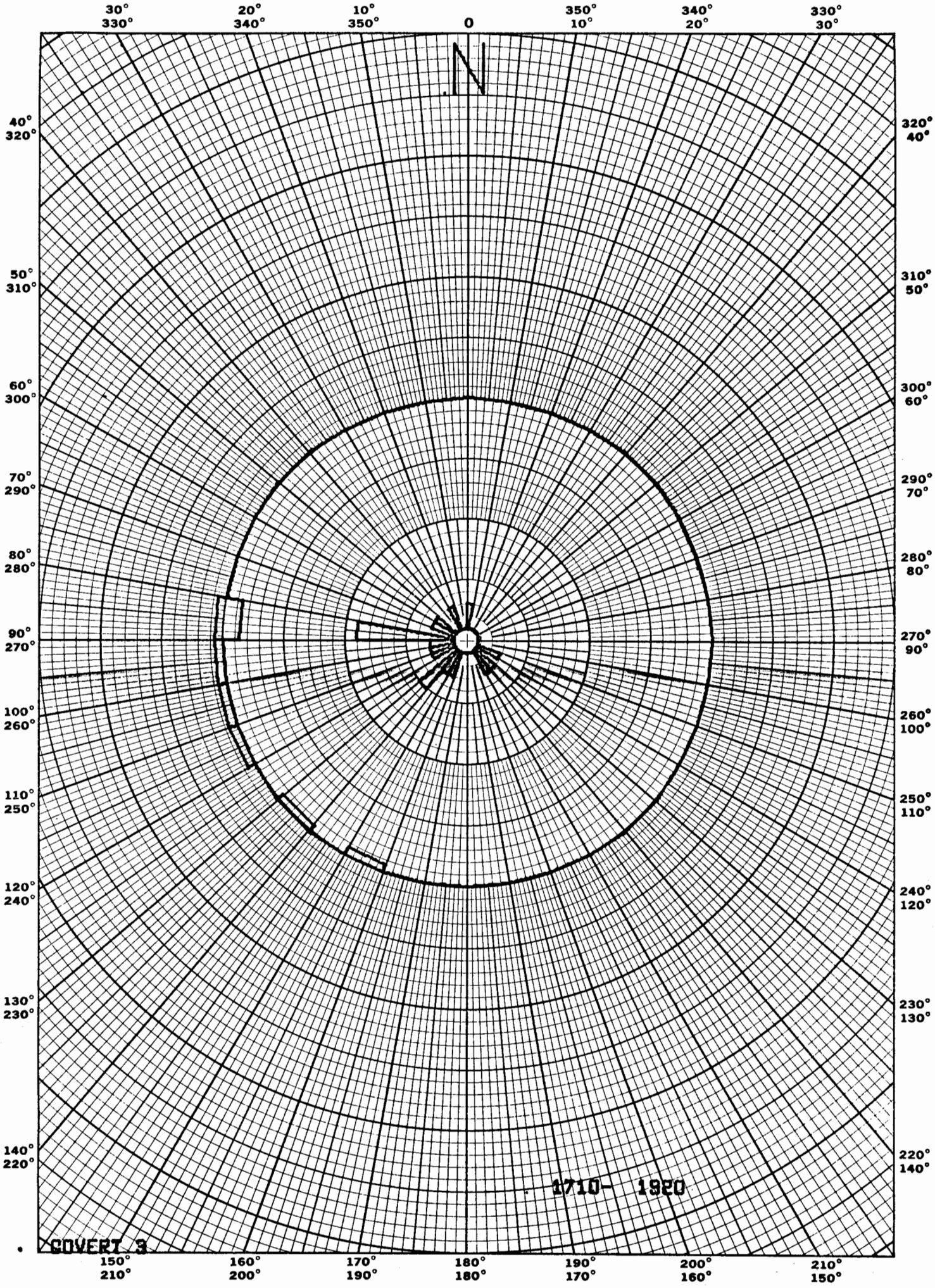
210° 150°
1400- 1710
COVERT 3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250° 110°
240° 120°
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200° 160°
210° 150°
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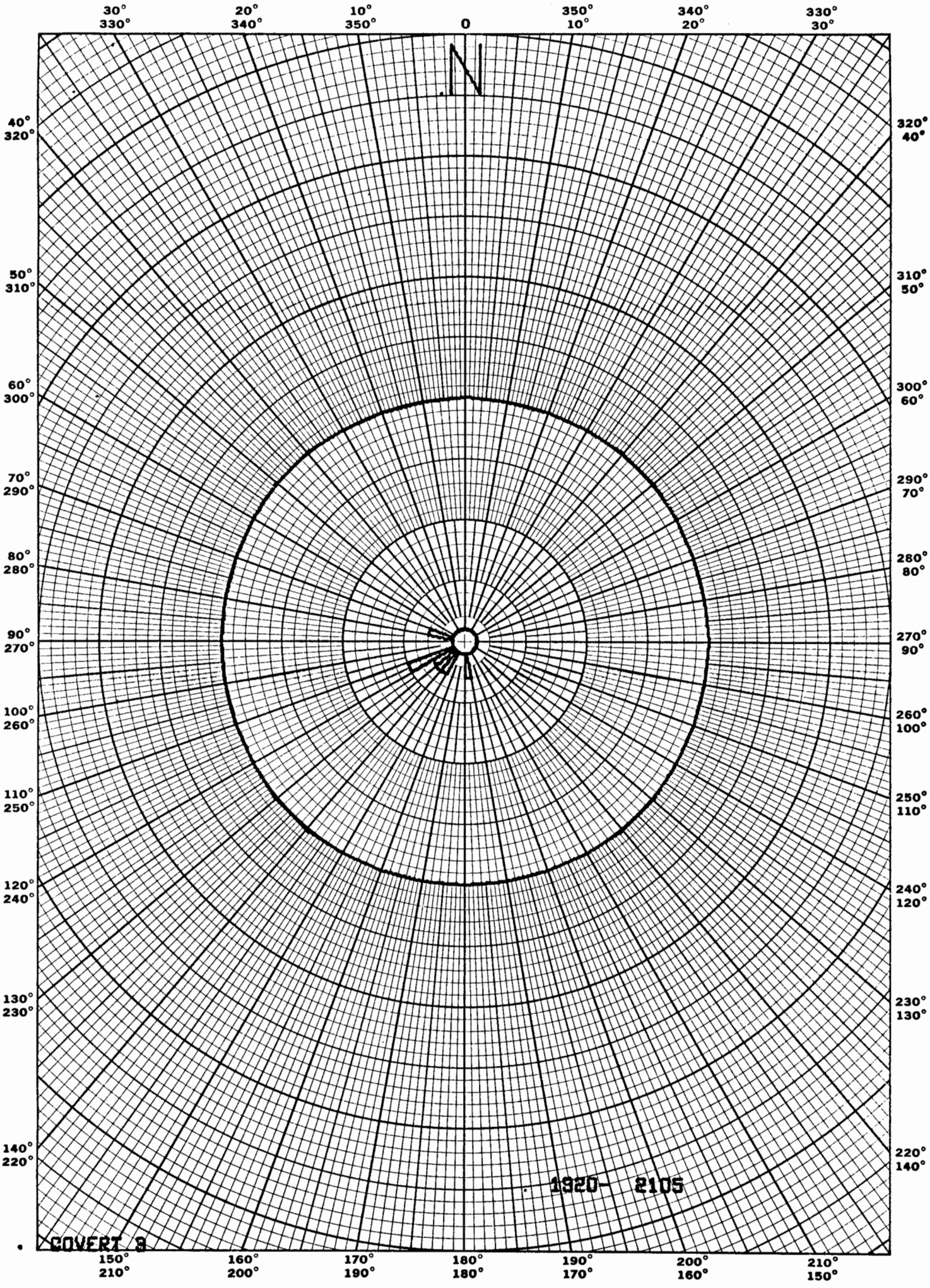
1710- 1920
COVERT 3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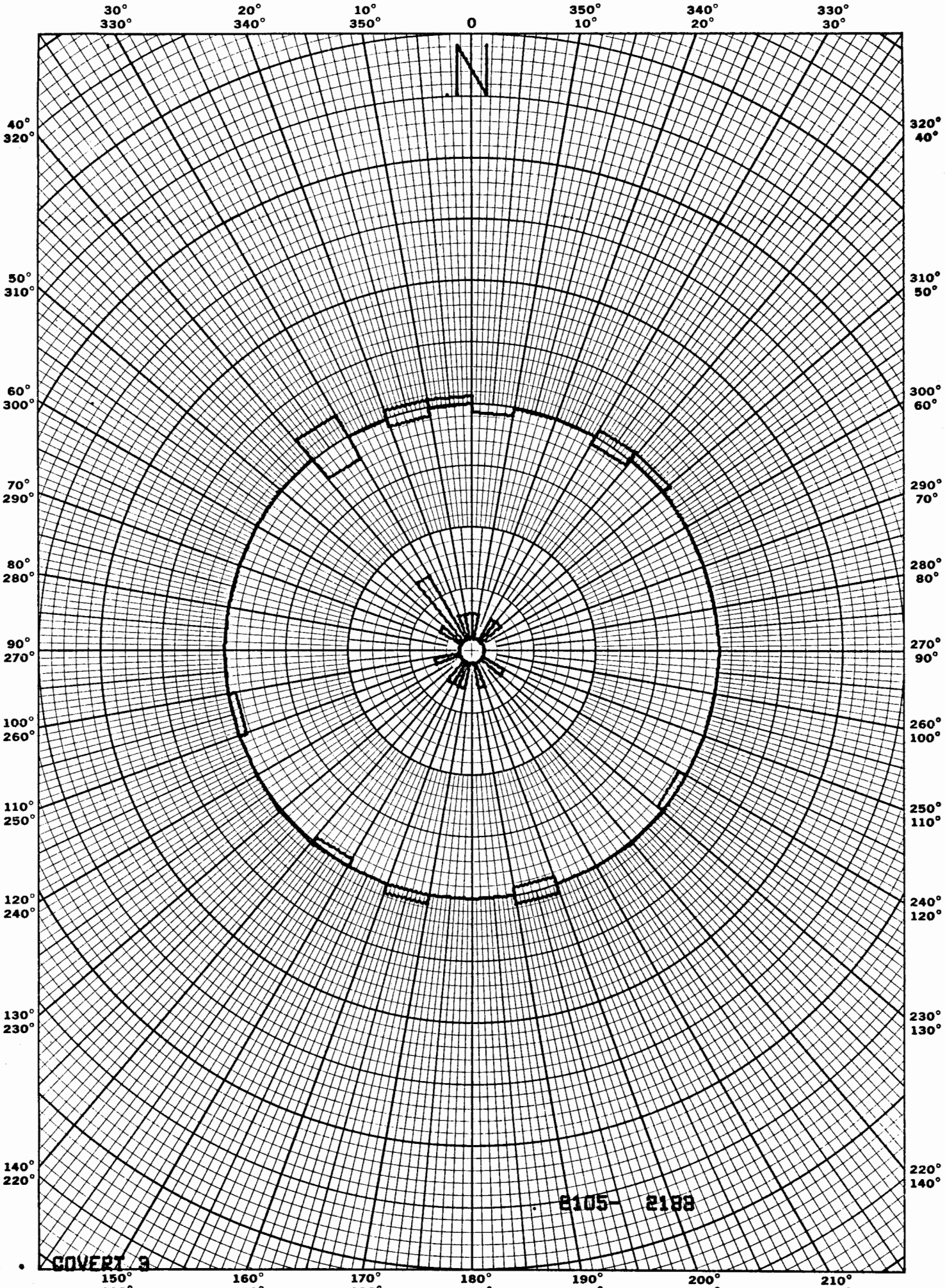
1920- 2105
COVERT 8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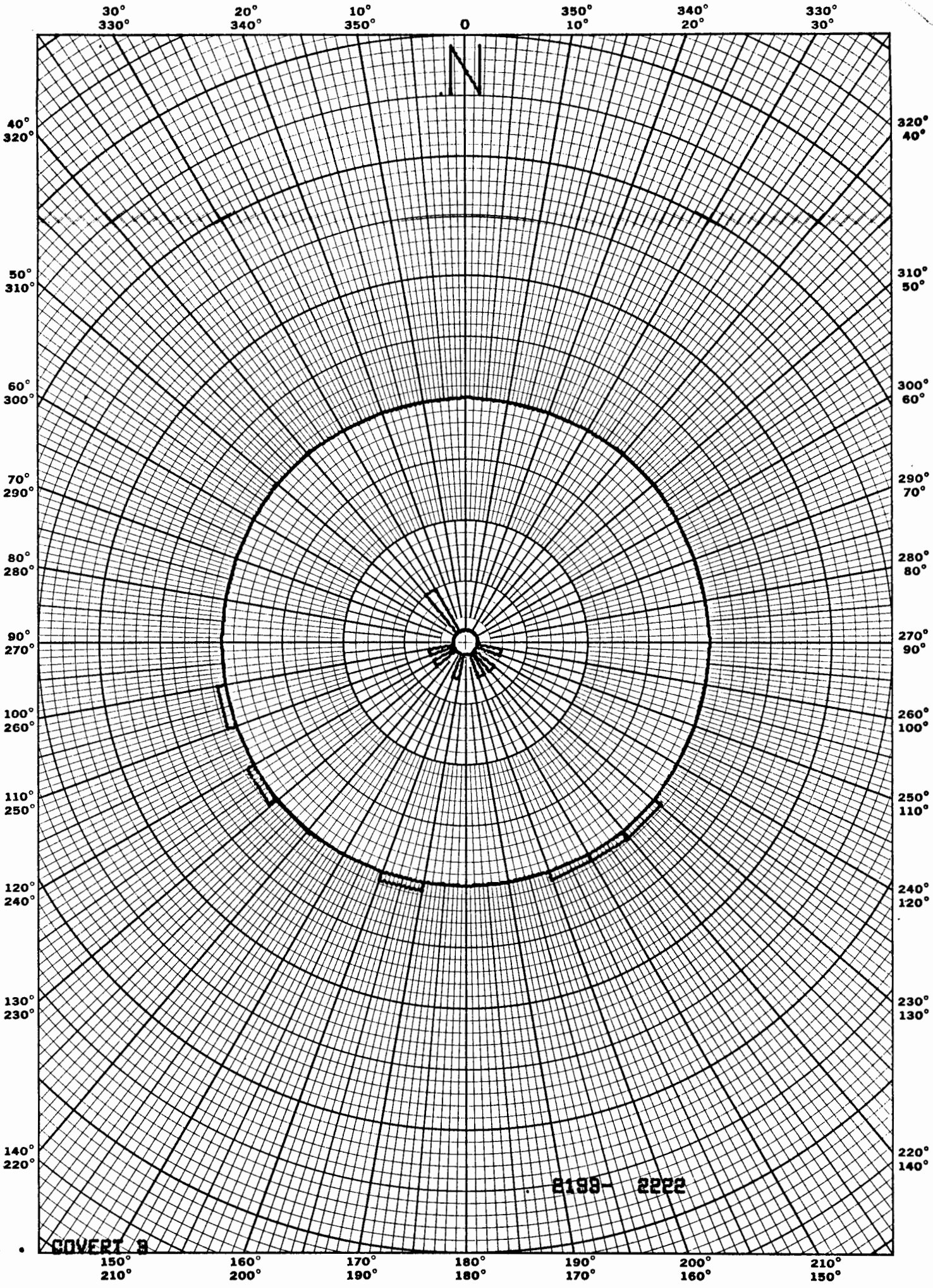
E105- 2188
COVERT 3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8199- 2222
COVERT 9

JOB NO. 467

SCHLUMBERGER WELL SERVICES
CONTINUOUS DIPMETER CALCULATIONS

JACKSON BROTHERS
JACKSON - COVERT NO. 3
GREENWOOD COUNTY, KANSAS

DEPTH	DIP	DIP AZM	DIP RPT	DEV	DEV AZM
1403	1.8	103	S 77 E	0.0	84
1405	2.4	116	S 64 E	0.0	84
1407	1.4	24	N 24 E	0.0	84
1409	2.1	73	N 73 E	0.0	84
1411	0.7	144	S 36 E	0.0	84
1413	1.4	144	S 36 E	0.0	84
1415	1.2	114	S 66 E	0.0	84
1417	1.8	88	S 88 E	0.0	79
1419	2.0	90	E	0.0	79
1421	1.8	88	S 88 E	0.0	79
1423	1.4	79	N 79 E	0.0	79
1425	2.0	116	S 64 E	0.0	79
1427	0.7	134	S 46 E	0.0	74
1429	2.1	180	S 0 W	0.0	69
1431	1.4	129	S 51 E	0.0	69
1433	0.7	0	N 0 E	0.0	69
1435	1.4	180	S 0 W	0.0	69
1437	2.5	263	S 83 W	0.0	69
1439	1.2	274	N 86 W	0.0	64
1441	1.2	34	N 34 E	0.0	64
1443	0.7	124	S 56 E	0.0	64
1445	1.4	119	S 61 E	0.0	59
1447	0.7	299	N 61 W	0.0	59
1449	0.7	59	N 59 E	0.0	59
1451	1.4	59	N 59 E	0.0	59
1453	1.2	89	N 89 E	0.0	59
1455	0.7	359	N 1 W	0.0	59
1457	1.2	269	S 89 W	0.0	59
1459	0.7	359	N 1 W	0.0	59
1461	1.4	119	S 61 E	0.0	59
1463	1.4	179	S 1 E	0.0	59
1465	1.2	329	N 31 W	0.0	59
1467	1.4	294	N 66 W	0.0	54
1469	0.7	114	S 66 E	0.0	54
1471	0.7	109	S 71 E	0.0	49
1473	0.7	349	N 11 W	0.0	49
1475	0.7	169	S 11 E	0.0	49
1477	0.7	349	N 11 W	0.0	49
1479	1.8	68	N 68 E	0.0	49
1481	1.8	30	N 30 E	0.0	49
1483	0.7	349	N 11 W	0.0	49
1485	1.2	79	N 79 E	0.0	49
1487	1.4	49	N 49 E	0.0	49

1490	1.8	34	N	34	E	0.8	244
1491	2.8	51	N	51	E	0.8	240
1492	2.0	74	N	74	E	0.8	254
1495	1.1	28	N	28	E	0.8	240
1497	1.1	260	S	80	W	0.8	240
1499	1.4	58	N	58	E	0.8	254
1501	1.0	38	N	38	E	0.0	250
1503	1.0	38	N	38	E	0.0	250
1505	0.3					1.0	250
1507	1.0	270	S	28	W	1.0	250
1509	0.4					1.0	250
1511	1.0	70	N	70	E	1.0	250
1513	1.5	132	S	48	E	1.0	250
1515	2.3	166	S	14	E	1.0	250
1517	2.3	30	N	30	E	1.0	250
1519	0.0	33	N	33	E	1.0	254
1521	0.6	165	S	15	E	1.0	254
1523	0.7	158	S	22	E	1.0	254
1525	1.2	160	S	11	E	1.1	254
1527	1.2	160	S	11	E	1.1	254
1529	2.2	102	S	12	W	1.1	250
1531	2.0	255	S	75	W	1.1	254
1533	2.0	51	N	51	E	1.1	250
1539	0.8	206	S	26	W	1.0	274
1541	2.8	100	S	10	W	1.0	260
1543	1.3	120	S	51	E	1.0	274
1545	2.1	170	S	10	E	1.0	270
1547	4.2	148	S	31	E	0.0	270
1549	2.6	130	S	50	E	0.0	264
1551	4.0	113	S	67	E	0.8	284
1553	4.1	90	N	90	E	0.8	284
1555	11.2	206	S	26	W	0.8	284
1557	4.1	81	N	81	E	0.8	270
1559	2.4	82	N	82	E	0.8	274
1561	5.5	26	N	26	E	0.8	274
1563	2.0	72	N	72	E	0.8	274
1567	1.0	0	N	0	E	0.8	274
1569	5.1	250	N	1	W	0.8	274
1571	4.7	85	N	85	E	0.8	274
1573	2.8	207	S	27	W	0.8	274
1575	2.6	140	S	31	E	0.8	274
1577	4.1	183	S	3	W	0.8	276
1505	1.5	304	N	56	W	0.0	4
1507	0.8	304	N	56	W	0.0	4
1601	2.8	304	N	56	W	0.0	4
1603	5.2	210	S	30	W	0.0	0
1620	1.7	350	N	1	W	0.0	350
1651	2.5	344	N	16	W	0.7	310
1653	2.8	247	S	67	W	0.7	300
1658	22.0	161	S	19	E	0.7	300
1661	32.2	250	S	70	W	0.7	300
1669	20.5	280	N	80	W	0.0	240
1672	32.0	280	N	80	W	0.0	240
1679	2.6	70	N	70	E	0.0	220
1691	5.6	150	S	30	E	0.0	224
1693	2.2	159	S	21	E	0.0	210
1695	0.8	156	S	24	E	0.0	214

1687	6.1	80	N	80	E	0.0	200
1689	2.0	108	S	72	E	0.0	208
1703	2.5	294	N	64	W	0.0	204
1709	1.0	98	S	82	E	0.0	100
1807	4.3	142	S	38	E	2.2	114
1811	8.8	337	N	23	W	2.2	114
1815	1.6	142	S	38	E	2.2	100
1819	8.0	?	N	?	E	2.2	100
1841	5.4	308	N	52	W	2.1	90
1845	5.7	254	S	74	W	2.1	94
1849	3.2	243	S	63	W	2.1	90
1853	3.1	300	N	61	W	2.0	96
1867	6.5	211	S	31	W	2.0	89
1873	1.5	272	N	88	W	2.8	94
1877	2.4	226	S	46	W	2.8	74
1891	5.3	270			W	2.6	59
1893	7.3	271	N	89	W	2.6	59
1895	4.5	260	S	80	W	2.6	64
1897	5.2	270	N	81	W	2.7	84
1899	1.1	228	S	48	W	2.7	84
1901	2.6	207	S	27	W	2.8	89
1905	0.7	195	S	15	W	2.8	89
1909	2.7	55	N	55	E	2.0	94
1915	1.4	112	S	68	E	2.0	94
1919	1.2	130	S	41	E	2.8	59
1921	4.4	318	N	42	W	2.8	64
1933	7.4	244	S	64	W	2.6	79
1947	2.7	223	S	43	W	2.8	74
1953	3.0	280	N	80	W	2.8	74
1993	4.7	234	S	54	W	2.2	49
1999	5.7	249	S	69	W	3.5	69
2083	6.9	178	S	?	E	7.1	0
2085	5.9	210	S	30	W	7.1	0
2149	6.2	347	N	13	W	0.5	349
2151	20.3	328	N	32	W	0.5	354
2153	10.7	326	N	34	W	0.5	344
2157	23.5	326	N	34	W	0.5	349
2161	18.0	353	N	7	W	0.6	344
2163	16.4	340	N	20	W	0.7	344
2167	20.6	304	S	24	W	0.8	344
2171	23.7	122	S	58	E	0.9	344
2177	35.0	163	S	17	E	0.7	344
2179	11.2	197	S	17	W	0.5	339
2181	7.5	307	N	53	W	0.4	344
2183	14.5	6	N	6	E	0.5	339
2185	31.7	34	N	34	E	0.4	339
2189	24.2	44	N	44	E	0.4	344
2191	11.8	257	S	77	W	0.5	339
2193	15.1	215	S	25	W	0.6	344
2195	20.1	143	S	37	E	0.6	339
2197	2.7	134	S	46	E	0.4	334
2199	18.0	237	S	57	W	0.7	334
2201	15.7	253	S	73	W	10.0	339
2203	10.8	327	N	33	W	10.1	339
2207	7.2	101	S	79	E	10.4	339
2211	0.7	320	N	40	W	10.7	339
2213	18.2	193	S	13	W	10.6	339

2210 5.3 183 S 27 E 10.8 330