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COMPUTER PRINTOUT

AND DRAWING OF

SUB - SURFACE

DIRECTIONAL SURVEY

CHEVRON STANDARD LTD.

IRVING CHEVRON SCOTSBURN #2

DATE: 19811209

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* UNITED DIRECTIONAL DRILLING LTD. *
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UNITED DIRECTIONAL DRILLING LTD.

COMPLETION SURVEY

CHEVRON STANDARD LTD.

19811209

IRVING CHEVRON SCOTSBURN #2

STA NO.	TOTAL DEPTH	DRIFT ANGLE	VERT. DEPTH	DRIFT DIRECT	LATITUDE	DEPARTURE	VERT. SECTION	DOG LEG
0	0.00	0.00	0.00	N 00 E	0.00 N	0.00 E	0.00	0.00
1	312.00	0.60	311.99	N 44 E	1.18 N	1.13 E	1.28	0.06
2	340.40	1.00	340.39	N 23 E	1.51 N	1.33 E	1.52	0.52
3	368.80	0.60	368.79	N 22 E	1.88 N	1.49 E	1.72	0.42
4	397.20	0.75	397.19	N 42 E	2.15 N	1.67 E	1.93	0.29
5	425.60	0.80	425.58	N 61 E	2.39 N	1.97 E	2.26	0.28
6	454.00	0.90	453.98	N 70 E	2.56 N	2.35 E	2.66	0.18
7	482.40	1.00	482.38	N 32 E	2.85 N	2.69 E	3.03	0.66
8	510.80	1.00	510.77	N 52 E	3.21 N	3.02 E	3.40	0.37
9	539.20	1.10	539.17	N 32 E	3.59 N	3.36 E	3.79	0.40
10	567.60	1.00	567.56	N 50 E	3.98 N	3.69 E	4.17	0.36
11	596.00	0.90	595.96	N 47 E	4.29 N	4.04 E	4.56	0.12
12	624.40	0.75	624.36	N 47 E	4.57 N	4.34 E	4.89	0.16
13	652.80	0.75	652.75	N 54 E	4.81 N	4.63 E	5.21	0.10
14	681.20	0.60	681.15	N 49 E	5.02 N	4.89 E	5.49	0.17
15	709.60	0.75	709.55	N 51 E	5.23 N	5.15 E	5.78	0.16
16	738.00	0.90	737.95	N 64 E	5.44 N	5.49 E	6.15	0.25
17	766.40	0.75	766.34	N 66 E	5.62 N	5.86 E	6.53	0.16
18	794.80	0.50	794.74	N 66 E	5.74 N	6.15 E	6.83	0.26
19	823.20	0.50	823.14	N 64 E	5.85 N	6.37 E	7.07	0.02
20	851.60	0.50	851.54	N 54 E	5.98 N	6.58 E	7.29	0.09
21	880.00	0.60	879.94	N 53 E	6.14 N	6.80 E	7.53	0.11
22	908.40	0.75	908.34	N 64 E	6.31 N	7.09 E	7.84	0.21
23	936.80	0.60	936.74	N 76 E	6.43 N	7.40 E	8.16	0.22
24	965.20	0.90	965.13	N 42 E	6.63 N	7.69 E	8.48	0.55
25	993.60	1.00	993.53	N 39 E	6.99 N	8.00 E	8.83	0.12
26	1022.00	1.00	1021.93	N 60 E	7.30 N	8.37 E	9.23	0.39
27	1050.40	1.00	1050.32	N 47 E	7.60 N	8.76 E	9.67	0.24
28	1078.80	1.00	1078.72	N 59 E	7.89 N	9.16 E	10.09	0.22
29	1105.70	0.75	1105.61	N 53 E	8.12 N	9.50 E	10.46	0.30
30	1134.10	1.50	1134.01	N 66 E	8.38 N	9.99 E	10.98	0.83
31	1162.50	1.70	1162.40	N 62 E	8.73 N	10.70 E	11.73	0.24
32	1190.90	1.40	1190.79	N 32 E	9.22 N	11.25 E	12.34	0.90
33	1219.30	1.50	1219.18	N 67 E	9.66 N	11.78 E	12.92	0.93
34	1247.70	2.40	1247.56	N 82 E	9.89 N	12.71 E	13.87	1.09
35	1276.10	2.00	1275.94	N 84 E	10.03 N	13.79 E	14.96	0.43
36	1304.50	2.50	1304.32	N 88 E	10.10 N	14.90 E	16.08	0.55
37	1332.90	3.10	1332.68	N 84 E	10.20 N	16.29 E	17.46	0.67
38	1361.30	2.90	1361.05	N 74 E	10.48 N	17.74 E	18.94	0.59
39	1389.70	2.80	1389.41	N 90 E	10.68 N	19.13 E	20.34	0.84
40	1418.10	3.60	1417.77	N 90 E	10.68 N	20.71 E	21.91	0.85
41	1446.50	3.60	1446.11	N 74 E	10.92 N	22.46 E	23.68	1.06
42	1474.90	3.75	1474.45	N 82 E	11.30 N	24.24 E	25.49	0.56
43	1503.30	4.00	1502.79	N 78 E	11.63 N	26.13 E	27.40	0.39
44	1531.70	3.50	1531.13	N 86 E	11.90 N	27.96 E	29.25	0.76

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STA NO.	TOTAL DEPTH	DRIFT ANGLE	VERT. DEPTH	DRIFT DIRECT	LATITUDE	DEPAR- TURE	VERT. SECTION	DOG LEG
45	1560.10	4.00	1559.47	S 87 E	11.91 N	29.81 E	31.09	0.72
46	1588.50	4.60	1587.79	N 90 E	11.86 N	31.94 E	33.20	0.68
47	1616.90	4.30	1616.10	S 82 E	11.71 N	34.13 E	35.35	0.73
48	1645.30	4.60	1644.42	S 72 E	11.21 N	36.27 E	37.41	0.88
49	1673.70	5.00	1672.72	S 66 E	10.35 N	38.49 E	39.50	0.68
50	1702.10	5.25	1701.00	S 69 E	9.38 N	40.83 E	41.70	0.39
51	1730.50	4.90	1729.29	S 72 E	8.54 N	43.20 E	43.93	0.46
52	1758.90	5.50	1757.58	S 81 E	7.96 N	45.69 E	46.34	1.07
53	1787.30	6.00	1785.83	S 77 E	7.41 N	48.48 E	49.03	0.68
54	1815.70	6.25	1814.07	S 74 E	6.65 N	51.42 E	51.84	0.43

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COMPANY: CHEVRON STANDARD LTD.

WELLNAME: IRVING CHEVRON SCOTSBURN #2

THESE CALCULATIONS WERE COMPUTED
USING THE MINIMUM CURVATURE METHOD

THE DRIFT DIRECTION IS EXPRESSED IN QUADRANT DIRECTION.

ALL ANGLES ARE EXPRESSED IN DECIMAL DEGREES

ALL DISTANCES ARE EXPRESSED IN METRES

A DECLINATION OF 22 DEGREES EAST HAS BEEN APPLIED.

VERTICAL SECTION WAS CALCULATED ALONG N 82.63 E

CLOSURE IS 51.84 METRES N 82.63 E

DOGLEG SEVERITY IS IN DEGREES PER 30 METRES.

UNITED DIRECTIONAL DRILLING LTD.