



DIP LOG CALCULATIONS

COMPANY: OREGON NATURAL GAS DEVELOPMENT CORP.
 WELL: CROWN ZELLERBACH NO. 1
 FIELD: TILLAMOOK AREA
 COUNTY: TILLAMOOK
 STATE: OREGON

LOCATION: 17.4 SOUTH & 20.9 EAST OF THE NORTHWEST CORNER OF SECTION 36, T. 11N., R. 10E., S. 10E.
 PERMANENT DATUM: G. L. OR. 108
 ELEVATION: 399.7
 LOG MEASURED FROM: K. B. 210.5
 LOG MEASURED TO: K. B. 210.5
 DATE: 1-29-77
 TIME: 11:58 AM
 DRILLER: T. D. DRILLER
 SURVEYOR: C. A. VAIL

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Service Ticket No. 048984

Date	Sample No.	Run No.
1-29-77	1	1
	2	2
	3	3
	4	4

Tool Type: DIP
 Tool Number: 12892
 Pad Type: FORXO
 Correlated By: MAND, 15632
 Computed By: TRAN, 12892

Vertical difference in feet is obtained by multiplying the constant for any given dip angle by the horizontal distance in feet.
 Example: Dip angle 10°. Horizontal distance 440 ft.
 Vertical difference = .176 x 440 = 77.44

DIP ANGLES Degrees	CONSTANT	DIP ANGLES Degrees	CONSTANT	DIP ANGLES Degrees	CONSTANT	DIP ANGLES Degrees	CONSTANT
1	.0175	11	.306	21	.364	35	.700
2	.035	12	.313	22	.371	40	.839
3	.052	13	.321	23	.378	45	1.000
4	.070	14	.329	24	.385	50	1.192
5	.088	15	.337	25	.392	55	1.428
6	.105	16	.345	26	.400	60	1.732
7	.123	17	.353	27	.407	65	2.144
8	.141	18	.361	28	.415	70	2.748
9	.158	19	.369	29	.422	75	3.732
10	.176	20	.377	30	.430	80	5.671

Magnetic Declination: NORTH 20.5° EAST

GRAPHIC PRESENTATION

