

# DIP LOG CALCULATIONS

COMPANY REICHOLD ENERGY CORPORATION

REICHOLD ENERGY CORPORATION  
 COLUMBIA COUNTY  
 WELL NO. 6 R/D NO. 1  
 FIELD NEHALEM BASIN  
 COUNTY COLUMBIA STATE OREGON

WELL COLUMBIA COUNTY NO. 6 REDRILL NO. 1  
 FIELD NEHALEM BASIN  
 COUNTY COLUMBIA STATE OREGON

Location: SOUTH & 66' WEST OF THE CENTER OF SECTION (W.B. & M.)  
 Sec. 10 Twp. 6N Rge. 5W

Permanent Datum: G.L. - OR Elev. 742.41  
 Lev. Measured From: K.B. Elev. D1 742.41  
 Drilling Measured From: K.B. Elev. D1 742.41

Date: 8-3-79  
 Run No.: ONE  
 Depth - Driller: 2956  
 Depth - Welex: 2953

Top Log Interval: 402 @ 401  
 Cont'd. Interval: 402

Run No.: 1  
 Tool Type: DIP  
 Tool Number: 13364  
 Pad Type: FORXO  
 Correlated By:  
 Computed By:

Remarks:  
 Rm @ Meas. Temp. @ F  
 Rmc @ Meas. Temp. @ F  
 Source: Rmt | Rmc  
 Rm @ BHT 1.58 @ 113 F  
 Rmt @ BHT 1.24 @ 113 F  
 Rmc @ BHT 1.39 @ 113 F

Fluid Loss: 10.5 | 5.1 ml  
 pH: 7.4 | 1.40  
 Source of Sample: PIT  
 Rm @ Meas. Temp.: 2.3 @ 88 F  
 Rmt @ Meas. Temp.: 2.0 @ 69 F  
 Rmc @ Meas. Temp.: 2.3 @ 68 F  
 Source: Rmt | Rmc  
 Rm @ BHT: 1.58 @ 113 F  
 Rmt @ BHT: 1.24 @ 113 F  
 Rmc @ BHT: 1.39 @ 113 F

Time Since Circ.: 3 HRS  
 Estimated Circulation: 1.30 (MIN)  
 Estimated Circulation: 1.30 (MAX)  
 Forwarded By: KENNEDY  
 Witnessed By: BRUER

Service Ticket No. 045592  
 Change in Mud Type or Additional Samples:  
 Date: Sample No.: I  
 Depth: Driller: I  
 Type: Fluid in Hole: I

Dens.: I Visc.: I  
 pH: I Fluid Loss: I ml  
 Source of Sample: I  
 Rm @ Meas. Temp.: @ F  
 Rmc @ Meas. Temp.: @ F  
 Source: Rmt | Rmc  
 Rm @ BHT: 1.58 @ 113 F  
 Rmt @ BHT: 1.24 @ 113 F  
 Rmc @ BHT: 1.39 @ 113 F

Remarks:  
 Rm @ Meas. Temp. @ F  
 Rmc @ Meas. Temp. @ F  
 Source: Rmt | Rmc  
 Rm @ BHT 1.58 @ 113 F  
 Rmt @ BHT 1.24 @ 113 F  
 Rmc @ BHT 1.39 @ 113 F

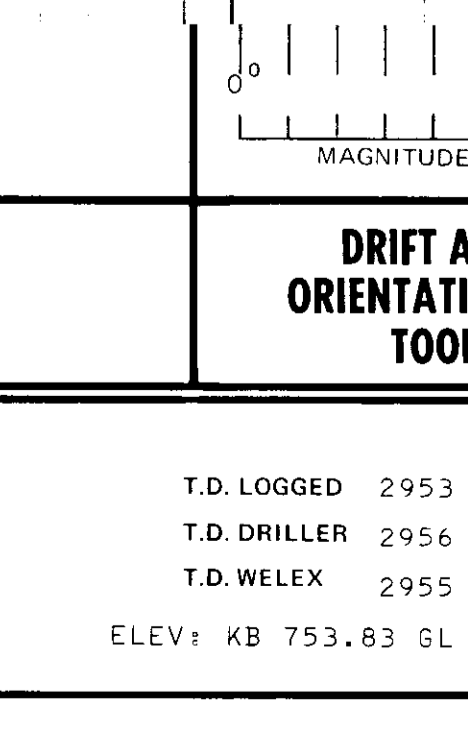
Vertical distance in feet is obtained by multiplying the constant for any given dip angle by the horizontal distance in feet.  
 Example: Dip angle 10°. Horizontal distance 440 ft.  
 Vertical difference = 176 x 440 = 77.44

Magnetic Declination NORTH 20.5° EAST

TABLE OF CONSTANTS FOR DETERMINING VERTICAL DIFFERENCE AT VARIOUS DIP ANGLES

DIP ANGLES Degrees	CONSTANT	DIP ANGLES Degrees	CONSTANT	DIP ANGLES Degrees	CONSTANT	DIP ANGLES Degrees	CONSTANT
1	0175	11	194	21	384	35	700
2	035	12	213	22	404	40	839
3	052	13	231	23	425	45	1000
4	070	14	249	24	445	50	1192
5	088	15	268	25	466	55	1428
6	105	16	287	26	487	60	1732
7	123	17	306	27	509	65	2144
8	141	18	325	28	531	70	2748
9	158	19	344	29	554	75	3732
10	176	20	364	30	577	80	5671

## GRAPHIC PRESENTATION



REICHOLD ENERGY CORPORATION  
 COLUMBIA COUNTY NO. 6 REDRILL NO. 1  
 NEHALEM BASIN  
 COLUMBIA COUNTY, OREGON

T.D. LOGGED 2953  
 T.D. DRILLER 2956  
 T.D. WELEX 2955

ELEV: KB 753.83 GL 742.41