



DIP LOG CALCULATIONS

5th 100'

COMPANY REICHHOLD ENERGY CORPORATION
 CORON ZELLERBACH
 22-6 RD. No. 2
 WEST NEHALCH BASIN
 COLUMBIA COUNTY, OREGON

WELL MIST NEHALCH BASIN
 CORON ZELLERBACH 22-6 RD. No. 2
 COLUMBIA COUNTY, OREGON

Location 1564' SOUTH & 468' WEST FROM NORTH 1/4 CORNER
 ELEV. 1424.6
 ELEV. K.B. 1435.1
 O.F. 1424.6

Permanent Datum K.B.
 Log Measured From K.B.
 Drilling Method 2 1/2" S. 100'
 Date 10-2-60
 Driller T.D.W. 2431
 Dip Log No. 2423

Company Driller 2423
 Correlation 410'

Drift Scale 410'

Dip Scale 6" = 100'

Depth, Feet 0 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500

Interval and Quality
 Type Fluid in Hole MUD
 Density, Lbs. Per Gallon 8.4
 Viscosity, Centipoise 3
 Filter Loss, cc/30 Min. 1.8
 Mud Weight, Lbs. Per Gallon 8.4
 Mud Volume, Gallons 1000
 Mud Temperature, F. 70
 Mud pH 7
 Mud Specific Gravity 1.02
 Mud Solids, % 1.0
 Mud Solids, Lbs. Per Gallon 0.08
 Mud Solids, cc/30 Min. 0.08
 Mud Solids, F. 70
 Mud Solids, pH 7
 Mud Solids, Specific Gravity 1.02
 Mud Solids, Solids, % 1.0
 Mud Solids, Solids, Lbs. Per Gallon 0.08
 Mud Solids, Solids, cc/30 Min. 0.08
 Mud Solids, Solids, F. 70
 Mud Solids, Solids, pH 7
 Mud Solids, Solids, Specific Gravity 1.02

Service Ticket No. 055090

Remarks:

Change in Mud Type or Additional Samples

Date Sample No. I

Depth - Driller I

Type Fluid in Hole I

Dens. I

Visc. I

Filter Loss I

Source of Sample I

Rm. @ Meas. Temp. F

Rm. @ Meas. Temp. F

Rm. @ Meas. Temp. F

Source Rm. @ Meas. Temp. F

Rm. @ BHT 1.26 @ 402 F

Rm. @ BHT 1.17 @ 402 F

Rm. @ BHT 1.29 @ 402 F

Run No. 1 2 3 4

Tool Type DIF

Tool Number N/A

Pad Type FDRXL

Computed By

Correlated By

Remarks:

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

Magnetic Declination NORTH 2° 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	1.192
4	.070	14	.249	24	.445	50	1.428
5	.088	15	.268	25	.466	55	1.732
6	.105	16	.287	26	.487	60	2.144
7	.123	17	.306	27	.509	65	2.748
8	.141	18	.325	28	.531	70	3.732
9	.158	19	.344	29	.554	75	5.176
10	.176	20	.364	30	.577	80	7.176

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

GRAPHIC PRESENTATION

