

**DIP LOG CALCULATIONS**

COMPANY: **WELLEX ENERGY CORPORATION**  
 WELL: **ST. LOUIS (NO. 3) SALEM COUNTY MARION STATE ORE.**  
 FIELD: **ST. LOUIS (FOURTH SALER)**  
 COUNTY: **MARION** STATE: **OREGON**  
 SECTION: **23** TOWNSHIP: **10N** RANGE: **10E**  
 DATE: **FEB 21 1982**  
 DRILLER: **T.D. DRILLER**  
 LOGGED BY: **T.D. DRILLER**  
 ELEVATION: **1170** FEET  
 DEPTH: **4800** FEET  
 D.F.: **K.B.** G.L.: **G.L.**

TYPE OF LOG	DATE	DRILLER	LOGGED BY
WELL	DATE	DRILLER	LOGGED BY
FIELD	DATE	DRILLER	LOGGED BY
COUNTY	DATE	DRILLER	LOGGED BY
STATE	DATE	DRILLER	LOGGED BY

DEPTH	TEMPERATURE	RESISTIVITY	GRAB SAMPLE
1170	50.0	100	
1200	50.0	100	
1300	50.0	100	
1400	50.0	100	
1500	50.0	100	
1600	50.0	100	
1700	50.0	100	
1800	50.0	100	
1900	50.0	100	
2000	50.0	100	
2100	50.0	100	
2200	50.0	100	
2300	50.0	100	
2400	50.0	100	
2500	50.0	100	
2600	50.0	100	
2700	50.0	100	
2800	50.0	100	
2900	50.0	100	
3000	50.0	100	
3100	50.0	100	
3200	50.0	100	
3300	50.0	100	
3400	50.0	100	
3500	50.0	100	
3600	50.0	100	
3700	50.0	100	
3800	50.0	100	
3900	50.0	100	
4000	50.0	100	
4100	50.0	100	
4200	50.0	100	
4300	50.0	100	
4400	50.0	100	
4500	50.0	100	
4600	50.0	100	
4700	50.0	100	
4800	50.0	100	
4900	50.0	100	
5000	50.0	100	
5100	50.0	100	
5200	50.0	100	
5300	50.0	100	
5400	50.0	100	
5500	50.0	100	
5600	50.0	100	
5700	50.0	100	
5800	50.0	100	
5900	50.0	100	
6000	50.0	100	

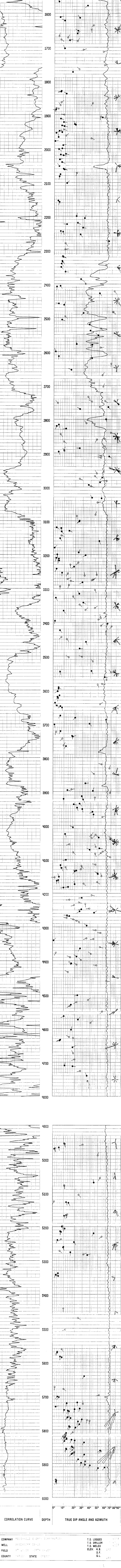
Magnetic Declination: **12.5 EAST**

**TABLE OF CONSTANTS FOR DETERMINING VERTICAL DIFFERENCE AT VARIOUS DIP ANGLES**

DIP ANGLES	CONSTANT	DIP ANGLES	CONSTANT	DIP ANGLES	CONSTANT	DIP ANGLES	CONSTANT
1	0.175	11	1.94	21	3.84	35	7.00
2	0.35	12	2.13	22	4.1	40	8.00
3	0.52	13	2.31	23	4.25	45	1.000
4	0.70	14	2.49	24	4.45	50	1.192
5	0.88	15	2.68	25	4.66	55	1.428
6	1.05	16	2.87	26	4.87	60	1.732
7	1.23	17	3.06	27	5.09	65	2.144
8	1.41	18	3.25	28	5.31	70	2.748
9	1.58	19	3.44	29	5.54	75	3.732
10	1.76	20	3.64	30	5.77	80	5.671

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**



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 FIELD: **ST. LOUIS (FOURTH SALER)** ELEV.: **K.B.**  
 COUNTY: **MARION** STATE: **OREGON** D.F.: **G.L.**