COUNTY GRAND	
FIELD WILDCAT	
LOCATION	
WELL COLORADO TERRACE #2	
COMPANY SHELL PET.-CONTINENTAL OIL COMPANY	

SCHLUMBERGER

CONTINUOUS DIPMETER

Run No.	Date	Depth Driller	Depth Logger	Bottom Log Interval	Top Log Interval	Casing Driller	Casing Logger	Bit Size
ONE	7-8-61	2900	2900	2900	0	13 3/8 @ 30		12 1/4

Type Fluid in Hole: Water Base Mud

Source of Sample: Flow Stream

Rm @ Meas. Temp.: .07 @ 74

Rmf @ Meas. Temp.: .07 @ 74

Rmc @ Meas. Temp.: .07 @ 74

Rm @ BHT: .07 @ 74

Time Since Circulation: 12 Hrs.

Max. Rec. Temp. Deg. F.: 74

Equipment No.: 1-1-1-1

Location: 1 Mile E. of Kremmling

Recorded By: R. Walker, Frank Brown

Witnessed By: Mr. Gerrard

Run No.	Bit Type	Bit Size	Bit Nozzles	Footage Drilled	Hours Drilled	Mud Weight	Mud Viscosity	Mud Resistivity	Mud Temperature
ONE	Rock Roller	12 1/4	Open	2900	24	8.8	40	.07 @ 74	74

FIELD NAME: FOR ANALYSIS AND USE CONFORMS TO API RP 27, IP

Changes in Hole Type or Additional Samples	Run No.	Total Time	DCM No.	Recorded By	Computed By
Date Sample No.	ONE	COMP.		WALKER	DEPPE
Depth Driller					
Type Fluid in Hole					
Wt. / Visc.					
pH / Fluid Loss					
Source of Sample					
Rm @ Meas. Temp.					
Rmf @ Meas. Temp.					
Rmc @ Meas. Temp.					
Rm @ BHT					
Rmf @ BHT					
Rmc @ BHT					

REMARKS

"Any directional computations made from the dipmeter log must be regarded as approximate only. This is because the dipmeter log indicates the orientation of the dipping beds, but does not indicate the distance to the beds. The dipmeter log is a valuable tool in directional work when used in conjunction with other logs. However, it is the opinion of Schlumberger Well Surveying Corporation that its interpretations, when used in conjunction with other logs, will be correct in respect to dip, but, while, strike, azimuth or direction, normal or reversed that only could be any sole computation."

TABLE OF VERTICAL DISPLACEMENT IN FEET CORRESPONDING TO VARIOUS HORIZONTAL DISTANCES AND ANGLES OF DIP

VERTICAL DISPLACEMENT FOR HORIZONTAL DISTANCES

DIP ANGLES (degrees)	100'	1000'	1 mile (5280')
1	1.75	17.5	92.2
2	3.5	35.	184.
3	5.2	53.	277.
4	7.0	70.	369.
5	8.8	88.	462.
6	10.5	105.	554.
7	12.3	123.	648.
8	14.1	141.	742.
9	15.8	158.	836.
10	17.6	176.	931.
11	19.4	194.	1026.
12	21.3	213.	1122.
13	23.1	231.	1219.
14	24.9	249.	1316.
15	26.8	268.	1415.
16	28.7	287.	1514.
17	30.6	306.	1614.
18	32.5	325.	1716.

VERTICAL DISTANCE BELOW OR ABOVE

DIP ANGLES (degrees)	100'	1000'	1 mile (5280')
19	34.4	344.	1818.
20	36.4	364.	1922.
21	38.4	384.	2027.
22	40.4	404.	2133.
23	42.5	425.	2241.
24	44.5	445.	2351.
25	46.6	466.	2462.
26	48.7	487.	2574.
27	50.9	509.	2689.
28	53.1	531.	2805.
29	55.4	554.	2923.
30	57.7	577.	3042.
31	60.0	600.	3162.
32	62.4	624.	3284.
33	64.9	649.	3408.
34	67.4	674.	3534.
35	70.0	700.	3662.
36	72.7	727.	3792.
37	75.4	754.	3925.
38	78.2	782.	4060.
39	81.0	810.	4198.
40	83.9	839.	4339.
41	86.9	869.	4482.
42	90.0	900.	4628.
43	93.1	931.	4777.
44	96.4	964.	4929.
45	100.0	1000.	5085.
46	103.6	1036.	5244.
47	107.3	1073.	5407.
48	111.2	1112.	5574.
49	115.2	1152.	5745.
50	119.4	1194.	5920.
51	123.7	1237.	6100.
52	128.2	1282.	6285.
53	132.8	1328.	6475.
54	137.6	1376.	6670.
55	142.8	1428.	6870.
56	148.2	1482.	7076.
57	153.9	1539.	7288.
58	160.0	1600.	7507.
59	166.4	1664.	7732.
60	173.2	1732.	7964.
61	180.4	1804.	8204.
62	188.1	1881.	8452.
63	196.3	1963.	8709.
64	205.0	2050.	8976.
65	214.5	2145.	9254.
66	224.9	2249.	9545.
67	236.4	2364.	9850.
68	249.1	2491.	10172.
69	263.3	2633.	10514.
70	279.4	2794.	10877.
71	298.0	2980.	11266.
72	320.5	3205.	11685.
73	349.2	3492.	12140.
74	388.4	3884.	12638.
75	448.2	4482.	13189.
76	559.8	5598.	13800.
77	1000.	10000.	14480.
78	1000.	10000.	15240.
79	1000.	10000.	16100.
80	1000.	10000.	17080.

To obtain vertical displacements corresponding to multiples of 5 and ten feet, thousands of feet or miles, multiply the number found in the table by the number of hundreds, thousands or miles.

Example: The formation dip is 18 degrees. The vertical displacement occurring at a spot 600 feet away from the well is desired. The table shows 28.7 feet per 100 feet for 18° dip. Therefore 28.7 x 6.00 = 172.2 or 172 feet.

GRAPHIC PRESENTATION

CORRELATION METHOD
—●— 1 BEST
—○— 2 GOOD
—△— 3 FAIR

DEPTHS	TRUE DIP ANGLE (0° 10° 20° 30° 40° 50° 60° 70° 80° 90°)	DEPTH INTERVAL	TRUE DIP & TRUE DIP DIRECTION	DRIFT & TRUE DRIFT DIRECTION OF SCHEME 1
700				
		700-750	29 N-77°-E	
800				
		750-800	26 N-70°-E	
		800-850	34 N-70°-E	
900				
1000				
1100				
1200				
1300				
1400		1400-1450	38 N-70°-E	
		1450-1500	35 N-77°-E	
1500				
1600				
1700				
1800				
1900		1900-1950	33 N-66°-E	
		1950-2000	33 N-66°-E	
		2000-2050	29 N-63°-E	
		2050-2100	28 N-63°-E	
		2100-2150	27 N-62°-E	
2000				
2100				
2200				
2300				
2400				
2500				
2600				
2700				
2800		2800-2850	31 N-70°-E	
		2850-2900	35 N-65°-E	
		2900-2950	36 N-65°-E	
		2950-3000	36 N-70°-E	
2900				
3000				
3100		3100-3150	36 N-60°-E	
		3150-3200	35 N-70°-E	
		3200-3250	37 N-65°-E	
		3250-3300	36 N-72°-E	
3000				
3100				
3200				
3300				
3400				
3500				
3600				
3700		3700-3750	39 N-75°-E	
		3750-3800	43 N-75°-E	
		3800-3850	43 N-75°-E	
		3850-3900	36 N-79°-E	
3800				
3900				
4000		4000-4050	45 N-77°-E	
		4050-4100	47 N-76°-E	
		4100-4150	45 N-72°-E	
		4150-4200	45 N-73°-E	
4100				
4200				
4300		4300-4350	45 N-81°-E	
		4350-4400	43 N-81°-E	
		4400-4450	43 N-77°-E	
		4450-4500	45 N-71°-E	
		4500-4550	45 N-73°-E	
4400				
4500				
4600		4600-4650	45 N-81°-E	
		4650-4700	35 N-81°-E	
		4700-4750	38 N-60°-E	
		4750-4800	41 N-71°-E	
4700				
4800				
4900		4900-4950	38 N-66°-E	
		4950-5000	45 N-70°-E	
5000				
5100		5100-5150	40 N-65°-E	
		5150-5200	43 N-75°-E	
5200				
5300				
5400		5400-5450	43 N-63°-E	
		5450-5500	35 N-75°-E	
5500				
5600				
5700		5650-5700	40 N-60°-E	
		5700-5750	43 N-63°-E	
5800				

DEPTHS	TRUE DIP ANGLE (0° 10° 20° 30° 40° 50° 60° 70° 80° 90°)	DEPTH INTERVAL	TRUE DIP & TRUE DIP DIRECTION	DRIFT & TRUE DRIFT DIRECTION OF SCHEME 1
5900				
6000				
6100				
6200				
6300				
6400				
6500				
6600				
6700				
6800				
6900				
7000				

COMPANY SHELL PET.-CONTINENTAL OIL COMPANY	Rm 2.0 @ 80 °F	SWSC FR 1768	
WELL COLORADO TERRACE #2	Rmf @ °F	SWSC TO 1760	
FIELD WILDCAT	Rmc @ °F	DRILL TO 1789	
	BHT 130 °F	Elev. KB 8362	
COUNTY GRAND	STATE COLORADO	GL	
		DF 7980	