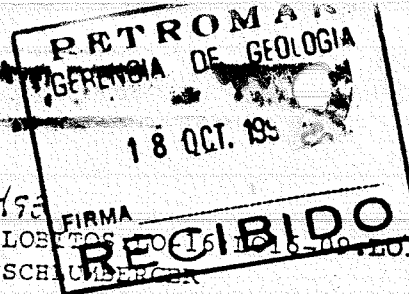


Ingo D. Calaña
well file

LO16-9 EQUIPO N°8
ANADRILL SCHLUMBERGER

J. J. J. J.



Line

File: Hard Disk:WELLS FILE:LO16-9-00-LO16-9/Survey File
ANADRILL / SCHLUMBERGER

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Report of Survey

LO16-9

Radius of Curvature Method

MEASURED DEPTH	INCL.	DIRECTION	VERTICAL DEPTH	VERTICAL SECTION	RECTANGULAR COORDINATES	DLS Deg/100'
405 0	14.00	S 72.89 W	0	0	0	0
FASE 17" BHA #1						
428.00	13.50	S 76.00 W	415.73	64.39	27.28 S	97.99 W .21
489.00	13.50	S 80.00 W	475.05	74.07	30.24 S	111.92 W 1.53
BHA # 2						
520.00	14.25	S 86.00 W	505.14	79.58	31.14 S	119.29 W 5.23
551.00	15.00	N 89.00 W	535.14	85.85	31.35 S	127.12 W 4.73
623.00	12.75	S 87.00 W	605.03	99.79	31.65 S	144.38 W 3.39
713.00	12.00	N 90.00 W	692.94	115.26	32.15 S	163.65 W 1.10
804.00	11.75	S 88.00 W	781.99	130.37	32.48 S	182.38 W .53
BHA # 3						
926.00	12.25	S 87.00 W	901.33	150.45	33.59 S	207.72 W .44
1082.00	14.50	N 89.00 W	1053.09	179.57	34.22 S	243.79 W 1.56
1239.00	16.50	N 87.00 W	1204.37	214.69	32.75 S	285.71 W 1.32
1302.00	17.50	N 87.00 W	1264.62	230.28	31.79 S	304.11 W 1.59
BHA # 2RR						
1458.00	17.50	N 87.00 W	1413.40	269.99	29.33 S	350.95 W 0
1645.00	16.50	N 85.00 W	1592.22	316.77	25.52 S	405.49 W .62
FASE 12.25" BHA # 5						
1763.00	16.00	N 83.00 W	1705.51	345.60	22.07 S	438.33 W .64
1917.00	15.75	N 80.00 W	1853.63	383.24	15.84 S	479.99 W .56
2103.00	16.00	N 77.00 W	2032.54	429.83	5.70 S	529.84 W .46
2319.00	15.50	N 72.50 W	2240.43	484.94	9.72 N	586.39 W .61
2449.00	15.75	N 73.00 W	2365.62	518.25	20.10 N	619.83 W .22
2666.00	16.00	N 73.00 W	2574.35	574.65	37.46 N	676.60 W .11
2944.00	16.75	N 70.00 W	2841.07	649.73	62.32 N	750.91 W .41
3252.00	17.00	N 65.00 W	3135.81	736.93	96.53 N	833.49 W .48
3534.00	16.75	N 62.00 W	3405.66	817.84	133.05 N	906.74 W .32
3844.00	16.75	N 58.50 W	3702.51	906.77	177.37 N	984.29 W .32
4122.00	17.25	N 53.50 W	3968.36	988.01	222.81 N	1051.65 W .56

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ANADRILL SCHLUMBERGER

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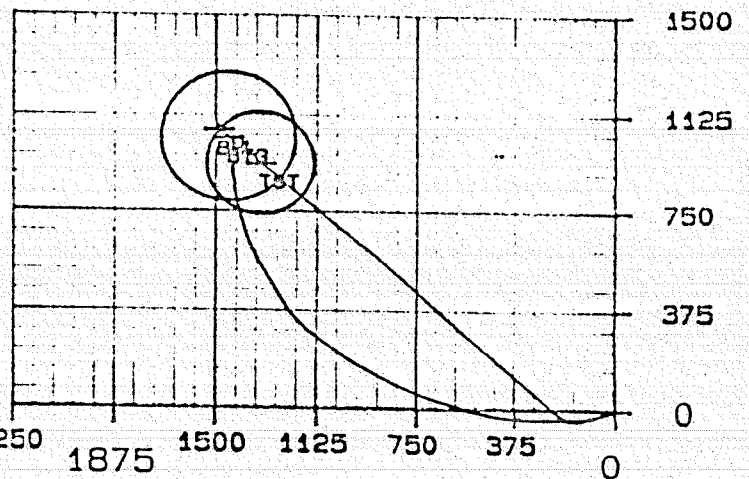
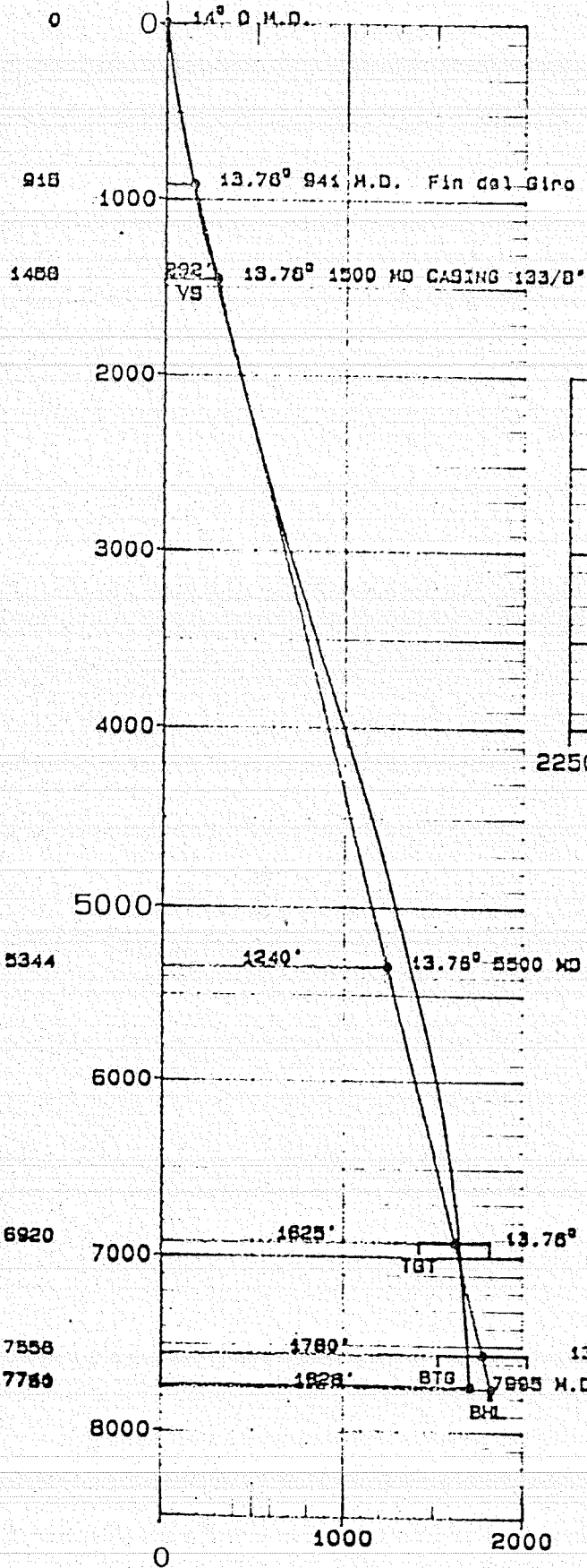
MEASURED DEPTH	INCL.	DIRECTION	VERTICAL DEPTH	VERTICAL SECTION	RECTANGULAR COORDINATES	DLS Deg/100'
4245.00	17.75	N 53.50 W	4085.67	1024.99	244.81 N 1081.39 W	.41
BHA # 6						
4326.00	17.25	N 53.00 W	4162.92	1049.33	259.38 N 1100.90 W	.64
4451.00	17.25	N 52.00 W	4282.29	1086.37	281.95 N 1130.31 W	.24
4543.00	17.25	N 51.00 W	4370.16	1113.60	298.93 N 1151.66 W	.32
4632.00	18.00	N 47.50 W	4454.98	1140.42	316.52 N 1172.07 W	1.46
BHA # 7						
4668.00	17.00	N 44.00 W	4489.31	1151.11	324.07 N 1179.82 W	4.03
BHA # 8						
4761.00	16.75	N 43.00 W	4578.31	1177.58	343.65 N 1198.41 W	.41
4853.00	16.75	N 43.00 W	4666.40	1203.53	363.04 N 1216.49 W	0
BHA # 7RR						
4880.00	16.25	N 43.50 W	4692.29	1211.04	368.63 N 1221.74 W	1.92
4923.00	14.75	N 36.00 W	4733.73	1222.13	377.46 N 1229.09 W	5.81
BHA # 8RR						
4978.00	15.25	N 33.00 W	4786.85	1235.48	389.19 N 1237.15 W	1.68
5193.00	15.50	N 31.50 W	4994.16	1288.11	437.40 N 1267.56 W	.22
5380.00	15.00	N 33.00 W	5174.57	1333.52	478.99 N 1293.81 W	.34
5696.00	14.75	N 30.00 W	5479.98	1408.00	548.15 N 1336.19 W	.26
FASE 8.5" BHA # 9 para rotar cemento - BHA # 10						
5921.00	14.25	N 23.00 W	5697.81	1457.56	598.54 N 1361.31 W	.81
6170.00	14.25	N 19.00 W	5939.15	1508.46	655.75 N 1383.27 W	.39
6450.00	12.00	N 15.00 W	6211.82	1558.67	716.53 N 1401.86 W	.87
6730.00	10.25	N 17.00 W	6486.55	1600.75	768.46 N 1416.75 W	.64
7040.00	9.00	N 10.00 W	6792.18	1639.65	818.83 N 1428.84 W	.55
BHA # 11- Sin monel Rumbos Extrapolados segun tendencia de giro						
7811.00	5.00	N 0.00 E	7557.28	1700.17	912.29 N 1437.02 W	.54
7995.00	4.00	N 2.00 E	7740.71	1708.28	926.73 N 1436.76 W	.55

Final location: 1709.71 feet at N 57.18 W
Plane of Vertical Section: 305.17 degrees

305.72°

VERTICAL SECTION
Scale 1" = 1000'

L016-9 EQUIPO N° 8
ANADRILL SCHLUMBERGER
PETROMAR S.A.



HORIZONTAL PLAN
Scale 1" = 750'