

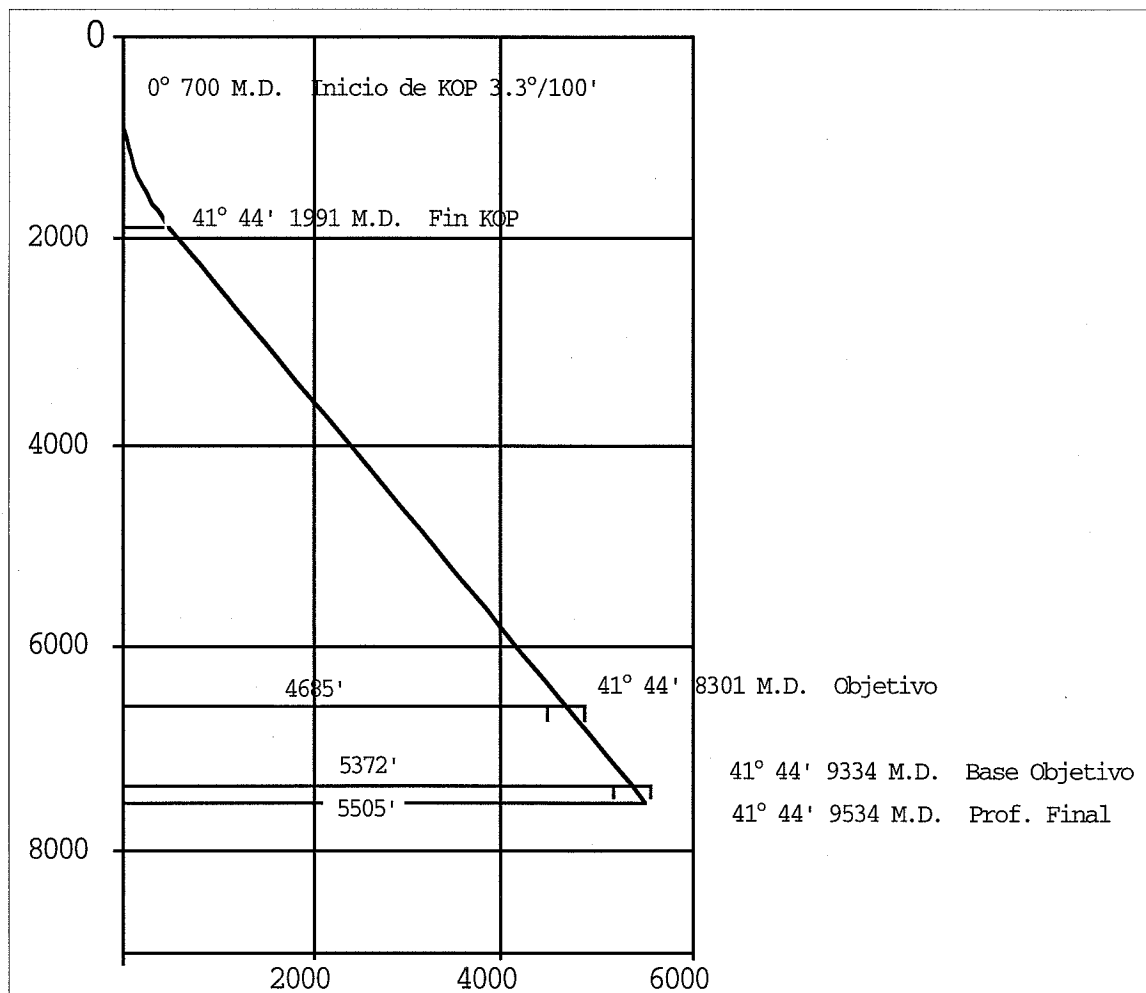
INFORMACION GENERAL

PROYECTO	:PROGRAMA PERFORACION 95
POZO	:LO 16 20
ING. DIRECCIONAL	:GLAUCO IPARAGUIRRE
ING. DIRECCIONAL	:JOSE FRAIJA
OPERADOR MWD	:IVAN KATIC
OPERADOR MWD	:RUBEN MAMANI
CONTRATISTA PERFORACION	:PEPESA
COMPAÑIA OPERADORA	:PETROTECH
RIG	:P-40
PUSHERS	:L.QUINTANA , R.TURKAL
DISTRITO	:TALARA
SUPERVISOR ANADRILL	:LAWRENCE MESSER

INFORMACION DEL POZO

NOMBRE DEL POZO	:LO 16 20
PLATAFORMA	:D LO16
CAMPO	:LOBITOS
AREA	:TALARA/PERU
BLOQUE	:Z2B
SECTOR	:21 013
OBJETIVO	:BASAL SALINA
TIPO	:SLANT
PROFUNDIDAD FINAL	:8866
COORD. SUPERFICIE	:9506366.78 mts N 459713.34 mts E
COORD.OBJETIVO	:9505490.00 mts N 459370.00 mts E

GRAFICO & SURVEYS



Anodized Quality Control		Date:
Drawn by:	Juan Rodriguez	06/04
Checked by:	Miguel Di Siervo	06/04
Client OK:		

ANADRILL / SCHLUMBERGER

Report of Survey

Minimum Curvature Method

MEASURED DEPTH	INCL.	DIRECTION	VERTICAL DEPTH	VERTICAL SECTION	R E C T A N G U L A R C O O R D I N A T E S		DLS Deg/100'
0	0	N 0.00 E	0	0	0	0	
BHA #1							
489.00	.90	S 29.20 W	488.98	3.80	3.35 S	1.87 W	.18
549.00	1.30	S 7.60 E	548.97	4.87	4.44 S	2.01 W	1.32
579.00	1.90	S 13.60 W	578.96	5.66	5.26 S	2.08 W	2.78
611.00	2.50	S 27.00 W	610.93	6.88	6.40 S	2.53 W	2.46
641.00	3.40	S 36.70 W	640.89	8.39	7.69 S	3.36 W	3.42
701.00	5.30	S 23.90 W	700.72	12.87	11.65 S	5.54 W	3.54
731.00	6.30	S 28.90 W	730.57	15.89	14.36 S	6.90 W	3.73
762.00	7.30	S 36.30 W	761.35	19.48	17.44 S	8.89 W	4.28
792.00	8.20	S 32.70 W	791.07	23.42	20.77 S	11.17 W	3.41
822.00	9.00	S 26.10 W	820.74	27.85	24.68 S	13.36 W	4.23
852.00	9.80	S 25.60 W	850.33	32.74	29.09 S	15.49 W	2.68
882.00	10.80	S 25.00 W	879.85	38.09	33.94 S	17.79 W	3.35
912.00	11.60	S 20.40 W	909.28	43.91	39.32 S	20.03 W	4.00
943.00	12.50	S 16.50 W	939.60	50.37	45.45 S	22.06 W	3.91
973.00	13.40	S 18.60 W	968.83	57.08	51.86 S	24.10 W	3.38
1003.00	14.30	S 18.30 W	997.96	64.25	58.67 S	26.37 W	3.01
1033.00	15.00	S 15.80 W	1026.99	71.81	65.93 S	28.59 W	3.14
1064.00	15.90	S 13.60 W	1056.87	80.01	73.92 S	30.68 W	3.46
1094.00	16.80	S 13.60 W	1085.65	88.38	82.12 S	32.66 W	3.00
1126.00	17.90	S 13.60 W	1116.20	97.83	91.40 S	34.91 W	3.44
1157.00	19.00	S 14.40 W	1145.60	107.56	100.92 S	37.28 W	3.64
1189.00	20.30	S 13.60 W	1175.74	118.23	111.36 S	39.88 W	4.15
1220.00	21.20	S 12.90 W	1204.73	129.11	122.05 S	42.40 W	3.01
1251.00	21.80	S 12.50 W	1233.57	140.34	133.13 S	44.90 W	1.99
1283.00	22.10	S 13.60 W	1263.25	152.17	144.78 S	47.60 W	1.59
1314.00	22.80	S 15.80 W	1291.90	163.93	156.23 S	50.61 W	3.53
1345.00	23.50	S 17.20 W	1320.40	176.07	167.92 S	54.07 W	2.87
1376.00	24.10	S 17.90 W	1348.77	188.55	179.84 S	57.84 W	2.14
1404.00	24.90	S 17.90 W	1374.25	200.14	190.89 S	61.41 W	2.86
1439.00	25.80	S 17.20 W	1405.88	215.09	205.18 S	65.93 W	2.71
1453.00	26.00	S 16.50 W	1418.47	221.19	211.03 S	67.70 W	2.61
1519.00	26.60	S 15.80 W	1477.64	250.31	239.12 S	75.83 W	1.02
1614.00	27.10	S 16.50 W	1562.40	293.04	280.33 S	87.77 W	.62
BHA #2							
1707.00	27.10	S 15.80 W	1645.19	335.22	321.03 S	99.55 W	.34

MEASURED DEPTH	INCL.	DIRECTION	VERTICAL DEPTH	VERTICAL SECTION	R E C T A N G U L A R C O O R D I N A T E S		DLS Deg/100'
1831.00	27.40	S 15.80 W	1755.42	391.73	375.66 S	115.01 W	.24
2080.00	27.80	S 15.80 W	1976.09	506.54	486.66 S	146.42 W	.16
2236.00	28.70	S 16.50 W	2113.51	580.07	557.58 S	166.97 W	.61
2361.00	29.10	S 15.80 W	2222.94	640.23	615.61 S	183.77 W	.42
BHA #3							
2510.00	29.20	S 16.50 W	2353.07	712.50	685.32 S	203.96 W	.24
2696.00	29.10	S 16.50 W	2515.51	802.77	772.19 S	229.69 W	.05
2885.00	28.40	S 15.80 W	2681.21	893.30	859.50 S	254.98 W	.41
3135.00	27.20	S 15.80 W	2902.35	1009.34	971.69 S	286.73 W	.48
3385.00	26.60	S 15.80 W	3125.30	1121.91	1080.53 S	317.52 W	.24
3695.00	26.00	S 15.80 W	3403.21	1258.61	1212.69 S	354.92 W	.19
4004.00	25.50	S 15.10 W	3681.53	1392.14	1342.08 S	390.69 W	.19
BHA #4							
4129.00	25.10	S 15.10 W	3794.54	1445.23	1393.65 S	404.60 W	.32
4223.00	24.30	S 15.80 W	3879.93	1484.30	1431.51 S	415.06 W	.91
4317.00	23.00	S 18.60 W	3966.04	1521.90	1467.53 S	426.19 W	1.83
BHA #5							
4441.00	21.40	S 21.40 W	4080.85	1568.72	1511.56 S	442.17 W	1.55
4530.00	21.10	S 24.20 W	4163.80	1600.96	1541.29 S	454.66 W	1.19
4674.00	21.80	S 27.70 W	4297.83	1653.43	1588.61 S	477.72 W	1.01
BHA #6							
4839.00	23.60	S 27.70 W	4450.04	1716.71	1644.98 S	507.32 W	1.09
5025.00	25.30	S 27.70 W	4619.36	1793.23	1713.14 S	543.10 W	.91
5213.00	28.70	S 28.40 W	4786.84	1877.98	1788.44 S	583.26 W	1.82
BHA #7							
5305.00	29.90	S 28.40 W	4867.07	1922.67	1828.04 S	604.67 W	1.30
5393.00	30.00	S 27.70 W	4943.32	1966.30	1866.82 S	625.33 W	.41
5578.00	28.60	S 26.30 W	5104.65	2056.40	1947.47 S	666.45 W	.84
5763.00	27.90	S 27.00 W	5267.61	2143.59	2025.73 S	705.72 W	.42
5949.00	26.80	S 28.40 W	5432.82	2228.52	2101.39 S	745.42 W	.68
6164.00	30.10	S 27.70 W	5621.83	2330.24	2191.79 S	793.55 W	1.54
6350.00	29.50	S 25.60 W	5783.24	2422.27	2274.38 S	835.02 W	.65
6504.00	26.70	S 29.80 W	5919.09	2494.33	2338.62 S	868.61 W	2.22
6690.00	26.10	S 29.80 W	6085.69	2576.14	2410.39 S	909.71 W	.32
6875.00	25.60	S 28.40 W	6252.18	2656.07	2480.86 S	948.94 W	.43
7061.00	24.90	S 28.40 W	6420.41	2734.82	2550.65 S	986.68 W	.38
7247.00	24.30	S 30.50 W	6589.53	2811.47	2618.07 S	1024.73 W	.57
7433.00	22.90	S 33.30 W	6759.97	2884.67	2681.30 S	1064.02 W	.96
BHA #8							
7607.00	23.40	S 34.00 W	6919.96	2951.51	2738.24 S	1101.93 W	.33
7810.00	24.80	S 39.70 W	7105.29	3031.28	2804.43 S	1151.67 W	1.34

POZO : LO16-20 RIG PEPESA # 40

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MEASURED DEPTH	INCL.	DIRECTION	VERTICAL DEPTH	VERTICAL SECTION	R E C T A N G U L A R C O O R D I N A T E S		DLS Deg/100'
7994.00	27.20	S 43.90 W	7270.66	3106.78	2864.43 S	1205.50 W	1.64
8091.00	28.20	S 44.60 W	7356.55	3148.33	2896.73 S	1236.96 W	1.08
MULTISHOT							
8251.00	30.20	S 44.30 W	7496.21	3220.14	2952.45 S	1291.62 W	1.25
8344.00	30.30	S 47.70 W	7576.55	3262.72	2984.98 S	1325.31 W	1.84
8437.00	29.80	S 49.30 W	7657.05	3304.17	3015.84 S	1360.18 W	1.01
8530.00	29.40	S 50.20 W	7737.92	3344.59	3045.52 S	1395.24 W	.64
8623.00	28.80	S 50.80 W	7819.18	3384.11	3074.29 S	1430.14 W	.72
8716.00	27.70	S 51.60 W	7901.10	3422.30	3101.88 S	1464.44 W	1.25
8809.00	26.80	S 53.50 W	7983.78	3458.74	3127.78 S	1498.23 W	1.35
The following is a projection -							
FINAL DEPTH @ 8866							
8866.00	26.18	S 54.35 W	8034.79	3480.17	3142.75 S	1518.78 W	1.27

Final location: 3490.50 feet at S 25.79 W
Plane of Vertical Section: 201.38 degrees

BHA'S USADOS

