

PETRO-TECH PERUANA S.A.

LO16
slot #24
LOBITOS
Offshore Peru

P R O P O S A L L I S T I N G

Well name : LO16-24

Your ref : Revision #3
Our ref : prop327

Date printed : 14-Jan-98
Date created : 9-Jan-98
Last revised : 9-Jan-98

Field is centred on 463049.010,9508638.880

Structure is centred on 459705.340,9506366.580

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert. Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100Ft	Vert Sect	
0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00	0.00	
100.00	0.00	180.00	100.00	0.00 N	0.00 E	0.00	0.00	
200.00	0.00	180.00	200.00	0.00 N	0.00 E	0.00	0.00	
300.00	0.00	180.00	300.00	0.00 N	0.00 E	0.00	0.00	
400.00	0.00	180.00	400.00	0.00 N	0.00 E	0.00	0.00	
500.00	0.00	180.00	500.00	0.00 N	0.00 E	0.00	0.00	
600.00	0.00	180.00	600.00	0.00 N	0.00 E	0.00	0.00	
700.00	0.00	180.00	700.00	0.00 N	0.00 E	0.00	0.00	
800.00	0.00	180.00	800.00	0.00 N	0.00 E	0.00	0.00	
900.00	0.00	180.00	900.00	0.00 N	0.00 E	0.00	0.00	
1000.00	0.00	180.00	1000.00	0.00 N	0.00 E	0.00	0.00	KOP 4.0/100 ft
1100.00	4.00	180.00	1099.92	3.49 S	0.00 E	4.00	1.16	
1200.00	8.00	180.00	1199.35	13.94 S	0.00 E	4.00	4.65	
1250.00	10.00	180.00	1248.73	21.76 S	0.00 E	4.00	7.25	
1300.00	10.53	190.85	1297.94	30.59 S	0.86 W	4.00	11.00	
1400.00	12.50	208.42	1395.95	49.08 S	7.73 W	4.00	23.65	
1500.00	15.27	220.51	1493.04	68.62 S	21.44 W	4.00	43.08	
1600.00	18.49	228.72	1588.73	89.11 S	41.92 W	4.00	69.22	
1700.00	21.96	234.49	1682.56	110.44 S	69.07 W	4.00	101.93	
1800.00	25.58	238.73	1774.07	132.52 S	102.76 W	4.00	141.05	
1900.00	29.29	241.97	1862.81	155.23 S	142.83 W	4.00	186.39	
2000.00	33.07	244.53	1948.35	178.47 S	189.07 W	4.00	237.74	
2100.00	36.89	246.62	2030.27	202.12 S	241.27 W	4.00	294.84	
2200.00	40.73	248.36	2108.18	226.07 S	299.17 W	4.00	357.41	
2300.00	44.60	249.86	2181.70	250.20 S	362.49 W	4.00	425.15	
2400.00	48.49	251.16	2250.46	274.39 S	430.92 W	4.00	497.73	
2445.84	50.28	251.70	2280.30	285.47 S	463.90 W	4.00	532.52	Start Tangent Section
2500.00	50.28	251.70	2314.91	298.55 S	503.45 W	0.00	574.17	
2946.10	50.28	251.70	2600.00	406.28 S	829.23 W	0.00	917.22	Chacra
3000.00	50.28	251.70	2634.44	419.29 S	868.58 W	0.00	958.66	
3500.00	50.28	251.70	2953.98	540.03 S	1233.72 W	0.00	1343.16	
4000.00	50.28	251.70	3273.51	660.77 S	1598.85 W	0.00	1727.66	
4432.65	50.28	251.70	3550.00	765.25 S	1914.80 W	0.00	2060.36	Parinas
4500.00	50.28	251.70	3593.04	781.51 S	1963.98 W	0.00	2112.15	
4667.37	50.28	251.70	3700.00	821.93 S	2086.20 W	0.00	2240.86	Palegreda
5000.00	50.28	251.70	3912.57	902.25 S	2329.11 W	0.00	2496.65	
5500.00	50.28	251.70	4232.10	1022.99 S	2694.24 W	0.00	2881.15	
6000.00	50.28	251.70	4551.64	1143.73 S	3059.37 W	0.00	3265.64	
6500.00	50.28	251.70	4871.17	1264.47 S	3424.51 W	0.00	3650.14	
6936.31	50.28	251.70	5150.00	1369.84 S	3743.13 W	0.00	3985.66	Mogollon
7000.00	50.28	251.70	5190.70	1385.22 S	3789.64 W	0.00	4034.64	
7500.00	50.28	251.70	5510.23	1505.96 S	4154.77 W	0.00	4419.13	
8000.00	50.28	251.70	5829.76	1626.70 S	4519.90 W	0.00	4803.63	
8188.14	50.28	251.70	5950.00	1672.13 S	4657.29 W	0.00	4948.31	San Cristobal
8500.00	50.28	251.70	6149.30	1747.44 S	4885.03 W	0.00	5188.13	
9000.00	50.28	251.70	6468.83	1868.18 S	5250.16 W	0.00	5572.63	
9500.00	50.28	251.70	6788.36	1988.92 S	5615.29 W	0.00	5957.12	
9752.93	50.28	251.70	6950.00	2049.99 S	5800.00 W	0.00	6151.62	LO16-24/Basal Salina
10000.00	50.28	251.70	7107.89	2109.66 S	5980.43 W	0.00	6341.62	
10500.00	50.28	251.70	7427.43	2230.40 S	6345.56 W	0.00	6726.12	
10691.80	50.28	251.70	7550.00	2276.71 S	6485.62 W	0.00	6873.61	Balcones
10926.52	50.28	251.70	7700.00	2333.39 S	6657.03 W	0.00	7054.11	T.D.

All data is in feet unless otherwise stated
Coordinates are from slot #24 and TVDs are from wellhead.
Vertical section is from wellhead on azimuth 250.53 degrees.
Calculation uses the minimum curvature method.

PETRO-TECH PERUANA S.A.
 LO16 <not named>, LO16-24
 LOBITOS, Offshore Peru

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 Your ref : Revision #3
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Comments in wellpath
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MD	TVD	Rectangular Coords.		Comment
1000.00	1000.00	0.00 N	0.00 E	KOP 4.0/100 ft
2445.84	2280.30	285.47 S	463.90 W	Start Tangent Section
2946.10	2600.00	406.28 S	829.23 W	Chacra
4432.65	3550.00	765.25 S	1914.80 W	Parinas
4667.37	3700.00	821.93 S	2086.20 W	Palegreda
6936.31	5150.00	1369.84 S	3743.13 W	Mogollon
8188.14	5950.00	1672.13 S	4657.29 W	San Cristobal
9752.93	6950.00	2049.99 S	5800.00 W	LO16-24/Basal Salina
10691.80	7550.00	2276.71 S	6485.62 W	Balcones
10926.52	7700.00	2333.39 S	6657.03 W	T.D.

Casing positions in string 'A'
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Top MD	Top TVD	Rectangular Coords.		Bot MD	Bot TVD	Rectangular Coords.		Casing
0.00	0.00	0.00N	0.00E	2500.00	2314.91	298.55S	503.45W	Csg. 13 3/8"
0.00	0.00	0.00N	0.00E	6900.00	5126.80	1361.07S	3716.61W	Csg. 9 5/8"

Targets associated with this wellpath
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Target name	Position	T.V.D. Local rectangular coords.			Date revised
LO16-24/Basal Salina	457943.300,9505741.080	6950.00	2049.99S	5800.00W	9-Jan-98

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