

Post-It™ brand		transmittal memo 7671		# of pages » 08
To	Eng. M. A. RAER	From	Eng. I. Corzani	
Co.	PERUANA	Co.		
Dept.		Phone #		
Fax #	014-41423	Fax #	014-393137	

LOG-21R

PETRO-TECH PERUANA S.A.
 LO6
 slot #21
 LOBITOS
 Offshore Peru

SURVEY LISTING

Well name : L -21R

Your ref : A drill MWD Surveys LO6-21R
 Our ref : 276

Date printed : 1 Mar-96
 Date created : 1 Mar-96
 Last revised : 1 Mar-96

Field is centred on 46° 9.010,9508638.880

Structure is centred on 45° 2.950,9509026.240

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert. Depth	RECTANGULAR COORDINATE		Dogleg Deg/100ft	Vert Sect
0.00	0.00	0.00	0.00	0.00 N	0.00	0.00	0.00
778.00	1.75	32.00	777.88	10.08 N	6.30	0.22	-9.50
885.00	2.50	146.00	884.84	9.53 N	8.47	3.35	-8.76
949.00	5.00	141.00	948.70	6.20 N	11.00	3.94	-5.23
1059.00	11.50	140.00	1057.50	5.94 S	21.08	5.91	7.73
1186.00	15.25	143.00	1181.03	28.98 S	39.28	3.00	32.25
1310.00	20.50	144.00	1299.01	59.59 S	61.87	4.24	64.69
1372.00	23.00	145.00	1356.59	78.30 S	75.20	4.08	84.48
1621.00	24.00	147.00	1584.94	160.62 S	130.68	0.51	171.26
1838.00	23.50	147.00	1783.56	233.92 S	178.28	0.23	248.38
2053.00	22.25	149.00	1981.65	304.77 S	222.60	0.68	322.77
2270.00	25.50	148.00	2180.06	379.61 S	268.52	1.51	401.29
2491.00	25.50	147.00	2379.53	459.85 S	319.64	0.19	485.62
2802.00	26.00	152.00	2659.68	576.20 S	388.11	0.72	607.42
3050.00	27.50	155.00	2881.14	676.10 S	437.83	0.81	711.22
3299.00	26.75	153.00	3102.76	778.13 S	487.57	0.47	817.16
3548.00	26.00	158.00	3325.86	878.68 S	533.46	0.94	921.28
3862.00	25.50	162.00	3608.70	1006.79 S	580.13	0.58	1052.92
4073.00	26.00	160.00	3798.75	1093.44 S	609.99	0.48	1141.82
4319.00	23.75	161.00	4021.92	1190.96 S	644.56	0.93	1241.95
4605.00	24.00	158.00	4283.46	1299.35 S	685.10	0.43	1353.42
4823.00	24.00	164.00	4482.64	1383.09 S	713.94	1.12	1439.32
5193.00	25.00	172.00	4819.41	1532.89 S	745.57	0.94	1591.29
5300.00	25.34	172.35	4916.25	1577.97 S	751.76	0.35	1636.74
5358.00	30.90	175.20	4967.39	1605.14 S	754.66	9.85	1664.06
5420.00	32.70	181.90	5020.10	1637.75 S	755.44	6.39	1696.62
5451.00	33.10	181.50	5046.12	1654.59 S	754.94	1.47	1713.34
5483.00	34.30	181.50	5072.75	1672.33 S	754.47	3.75	1730.99
5545.00	37.40	183.60	5123.00	1708.60 S	752.83	5.38	1766.98
5610.00	40.50	187.10	5173.55	1749.26 S	748.98	5.85	1807.16
5670.00	42.00	192.00	5218.67	1788.24 S	742.40	5.94	1845.43

5.9° → 58 FT
x 100 FT

$$x = \frac{100 \times 5.9}{58}$$

10.17°/100 FT. OK

62 FT → 1.8°

100 - x

$$x = \frac{1.8 \times 100}{62}$$

= 2.9°/100 FT

1610 / 60' FT → 1.5
1620 / 100 → x
60 FT

2.5°/100

PETRO-TECH PERUANA S.A.
LO6 <not named>, LO6-21R
LOBITOS, Offshore Peru

SURVEY LOGGING Page 2
Your Name : Anadrill MWD Surveys LO6-21R
Last revision : 19-Mar-96

Targets associated with this wellpath
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Target name	Position	T.V.	Local rectangular coords.	Date revised
LO6-21R/Basal Salina	459384.980, 9508076.060	613 20	3098.26S 267.26E	28-Feb-96

All data is in feet unless otherwise stated.
Coordinates are from slot #21 and TVDs are from wellhead.
Vertical section is from wellhead on azimuth 175.07 degrees.
Calculation uses the minimum curvature method.

PETRO-TECH PERU S.A.

Structure: L06

Well

L06-21R

Field: LOBITOS

Location

Offshore Peru

Scale 1: 200.00

East =>

-800 -600 -400 -200 0 200 400 600 800 1000 1200

