

SAN ISIDRO 15-7

RECEIVED
NOV 12 1991
OIL CON. DIV.
DIST. 3

SIDETRACK # 1

SUBSCRIBED AND SWORN TO BEFORE ME THIS 9th DAY OF

Oct, 19 91
Steve Harris
Harris

NOTARY PUBLIC

COUNTY, TEXAS

Geoservices-Directional

Deviation report

Well : SAN ISIDRO ST#1
 Field : RIO PUERCO
 Company : VETERAN EXPLORATION

Coordinates

Well head : Target : Impact :
 X = 0.0 X = 0.0 X = 0.0
 Y = 0.0 Y = 0.0 Y = 0.0
 Z = 0.0 Z = 0.0 Z = 0.0

Horizontal displacement 0.00 ft
 Total vertical depth 0.00 ft Kick off point 0.00 ft
 Magnetic declination 0.00 deg Convergence 0.00 deg
 Horizontal projection computed in azimuth North 283.00 deg. (NW 77.00)

Surv no	Measured depth feet	Drift angle degree	Azimuth magnt. degree	Azimuth geogr. degree	Vertical depth feet	Horizntl prjction feet	Horizntl displcmt feet	Average Az(geo) degree	.Relative East/West feet	Coordinates. Nor/South feet	Dog leg /100f
Computation method :			Radius of curvature								
1	3000.0	0.00	180.00	180.00	3000.0	0.0	0.0	90.00	0.0 E	0.0 N	0.0
2	3383.0	5.25	148.50	148.50	3382.5	-8.4	17.3	164.25	4.7 E	16.7 S	1.4
3	3473.0	5.25	150.00	150.00	3472.1	-14.1	25.4	159.43	8.9 E	23.7 S	0.1
4	3566.0	5.13	151.00	151.00	3564.7	-19.8	33.7	157.21	13.1 E	31.1 S	0.2
5	3600.0	5.38	151.00	151.00	3598.6	-21.9	36.8	156.68	14.6 E	33.8 S	0.7
6	3631.0	6.13	174.00	174.00	3629.4	-23.5	39.9	157.13	15.5 E	36.7 S	7.7
7	3662.0	9.88	198.00	198.00	3660.1	-24.0	43.7	159.85	15.0 E	41.0 S	15.9
8	3692.0	14.25	209.50	209.50	3689.4	-22.8	48.4	165.00	12.5 E	46.7 S	16.5
9	3721.0	18.50	215.00	215.00	3717.2	-20.1	54.3	171.35	8.2 E	53.6 S	15.6
10	3751.0	22.75	217.50	217.50	3745.3	-16.0	62.2	178.23	1.9 E	62.2 S	14.4
11	3787.0	27.38	224.50	224.50	3777.9	-8.8	74.1	186.26	8.1 W	73.7 S	15.2
12	3808.0	29.00	228.50	228.50	3796.4	-3.3	81.9	190.75	15.3 W	80.5 S	11.8
13	3834.0	27.13	228.00	228.00	3819.4	3.7	91.9	195.39	24.4 W	88.6 S	7.2
14	3864.0	26.38	227.00	227.00	3846.2	11.4	103.6	199.37	34.4 W	97.7 S	2.9
15	3895.0	25.50	227.50	227.50	3874.0	19.0	115.8	202.51	44.3 W	107.0 S	2.9
16	3926.0	24.25	224.50	224.50	3902.2	26.1	127.8	204.84	53.7 W	116.0 S	5.7
17	3956.0	23.38	224.00	224.00	3929.6	32.4	139.3	206.49	62.1 W	124.7 S	3.0
18	3987.0	22.38	224.00	224.00	3958.2	38.6	150.9	207.87	70.5 W	133.4 S	3.2
19	4002.0	22.00	225.00	225.00	3972.1	41.6	156.3	208.46	74.5 W	137.4 S	3.5
20	4013.0	21.38	222.00	222.00	3982.3	43.6	160.2	208.84	77.3 W	140.3 S	11.5
21	4042.0	20.25	220.50	220.50	4009.4	48.5	170.3	209.59	84.1 W	148.1 S	4.3
22	4073.0	21.25	221.00	221.00	4038.4	53.6	181.1	210.26	91.3 W	156.4 S	3.3
23	4104.0	23.25	222.50	222.50	4067.1	59.3	192.6	210.95	99.1 W	165.2 S	6.7
24	4136.0	25.25	224.50	224.50	4096.2	65.9	205.4	211.75	108.1 W	174.7 S	6.7
25	4165.0	27.63	225.50	225.50	4122.2	72.8	218.0	212.53	117.2 W	183.8 S	8.3
26	4195.0	29.88	225.50	225.50	4148.5	80.5	232.1	213.33	127.5 W	193.9 S	7.5
27	4242.0	33.75	225.00	225.00	4188.4	93.7	256.4	214.47	145.1 W	211.4 S	8.2
28	4273.0	37.88	227.00	227.00	4213.6	103.6	274.2	215.23	158.2 W	224.0 S	13.8
29	4302.0	42.88	227.00	227.00	4235.6	114.1	292.6	215.98	171.9 W	236.8 S	17.2
30	4333.0	48.63	226.00	226.00	4257.3	126.4	314.5	216.72	188.0 W	252.1 S	18.7
31	4362.0	54.00	226.00	226.00	4275.4	138.7	336.8	217.34	204.3 W	267.8 S	18.5
32	4393.0	58.50	229.50	229.50	4292.6	153.4	362.2	218.08	223.4 W	285.1 S	17.3
33	4423.0	62.75	234.50	234.50	4307.3	169.8	387.6	219.00	243.9 W	301.2 S	20.3
34	4454.0	67.63	237.50	237.50	4320.3	189.0	414.6	220.14	267.3 W	316.9 S	18.0
35	4484.0	71.50	238.00	238.00	4330.8	208.8	441.5	221.24	291.0 W	331.9 S	13.0

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Computation method :			Radius of curvature								
36	4514.0	74.88	233.00	233.00	4339.5	228.2	469.3	222.11	314.7 W	348.2 S	19.5
37	4535.0	78.13	231.00	231.00	4344.4	241.1	489.5	222.52	330.8 W	360.8 S	18.0
38	4567.0	82.75	228.00	228.00	4349.7	259.8	520.8	222.94	354.8 W	381.2 S	17.1
39	4586.0	84.50	229.50	229.50	4351.8	270.9	539.6	223.14	369.0 W	393.7 S	12.1
40	4627.0	84.00	230.00	230.00	4355.9	295.3	580.1	223.61	400.1 W	420.1 S	1.7
41	4658.0	84.25	231.00	231.00	4359.1	314.0	610.7	223.95	423.9 W	439.7 S	3.3
42	4689.0	84.25	230.00	230.00	4362.2	332.8	641.4	224.27	447.7 W	459.3 S	3.2
43	4719.0	84.88	229.50	229.50	4365.0	350.7	671.1	224.51	470.5 W	478.6 S	2.7
44	4750.0	85.63	230.50	230.50	4367.6	369.3	701.9	224.75	494.2 W	498.4 S	4.0
45	4780.0	85.75	232.00	232.00	4369.8	387.8	731.6	225.02	517.5 W	517.2 S	5.0
46	4812.0	85.75	230.50	230.50	4372.2	407.6	763.3	225.28	542.4 W	537.1 S	4.7
47	4841.0	85.63	230.50	230.50	4374.4	425.2	792.1	225.47	564.7 W	555.5 S	0.4
48	4872.0	86.00	230.50	230.50	4376.6	444.0	822.9	225.66	588.5 W	575.2 S	1.2
49	4904.0	86.00	230.50	230.50	4378.9	463.4	854.8	225.84	613.2 W	595.5 S	0.0
50	4935.0	86.13	231.00	231.00	4381.0	482.3	885.6	226.01	637.1 W	615.1 S	1.6
51	4965.0	85.88	231.00	231.00	4383.1	500.8	915.4	226.17	660.4 W	633.9 S	0.8
52	4996.0	85.75	230.50	230.50	4385.4	519.7	946.2	226.32	684.3 W	653.5 S	1.6
53	5027.0	85.75	230.50	230.50	4387.7	538.5	977.0	226.45	708.2 W	673.1 S	0.0
54	5059.0	85.50	231.50	231.50	4390.1	558.2	1008.9	226.60	733.0 W	693.2 S	3.2
55	5091.0	85.25	231.00	231.00	4392.7	577.9	1040.6	226.74	757.8 W	713.2 S	1.7
56	5122.0	85.38	231.50	231.50	4395.2	597.0	1071.5	226.87	781.9 W	732.5 S	1.6
57	5154.0	86.25	231.00	231.00	4397.5	616.8	1103.3	227.00	806.8 W	752.5 S	3.1

UTERAN EXPLORETO

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