

YATES PETROLIUM CORP.
Directional Survey Report
Version 2.4

Company: YATES PETROLIUM CORP.
Well: ARREGUY AGM#1
Location: LEA COUNTY
Field: LOVINGTON, NEW MEXICO
Operator: M.MARTIN/J.CLARK
Job No.: 0081

Survey File -> ST0081
7 Sep 2000
Probe 2428
Depth Units: Feet
Dec: 9.0

VS Azimuth = 0.0 Method: Minimum Curvature
VS Origin North = 0.0
VS Origin East = 0.0

Station	MD	Inc	Az	North	East	TVD	VS	DL	DS
0	11900.0	7.0	173.6	-76.2	59.5	11896.1	96.7	0.0	TI
1	11945.0	6.4	172.8	-81.4	60.1	11940.8	-81.4	1.4	ST
2	11977.0	5.9	174.3	-84.8	60.5	11972.6	-84.8	1.6	KB
3	12008.0	5.3	173.9	-87.8	60.8	12003.5	-87.8	1.9	KB
4	12040.0	4.9	172.7	-90.6	61.1	12035.3	-90.6	1.2	ST
5	12071.0	4.9	173.0	-93.3	61.5	12066.2	-93.3	0.2	ST
6	12102.0	4.8	171.8	-95.9	61.8	12097.1	-95.9	0.5	ST
7	12135.0	4.7	168.1	-98.6	62.3	12130.0	-98.6	0.9	ST
8	12165.0	4.3	164.3	-100.8	62.9	12159.9	-100.8	1.9	ST
9	12196.0	3.9	162.3	-102.9	63.5	12190.8	-102.9	1.4	ST
10	12227.0	3.5	160.6	-104.8	64.1	12221.8	-104.8	1.3	ST
11	12257.0	3.0	162.1	-106.4	64.7	12251.7	-106.4	1.7	ST
12	12289.0	2.5	161.8	-107.9	65.1	12283.7	-107.9	1.4	KB
13	12320.0	2.0	161.0	-109.0	65.5	12314.7	-109.0	1.6	ST
14	12351.0	1.7	155.5	-110.0	65.9	12345.6	-110.0	1.1	ST
15	12382.0	1.6	154.4	-110.8	66.3	12376.6	-110.8	0.4	ST
16	12413.0	1.2	151.2	-111.5	66.6	12407.6	-111.5	1.2	ST
17	12444.0	0.8	136.7	-111.9	66.9	12438.6	-111.9	1.7	ST
18	12475.0	0.5	146.5	-112.9	67.1	12469.6	-112.9	0.8	ST