

D I G Inc.

YATES PETROLEUM CORP.
 ZINNIA AMZ FED. #1
 SEC.27 T20S R29E
 EDDY COUNTY, NEW MEXICO

Calculated by Minimum Curvature Method
 Vert Sect Plane: N 90.00 E

- RECORD OF SURVEY -

MEASURED DEPTH (FT)	INCL ANGLE (DEG)	D R I F T DIRECTION (DEG)	COURSE LENGTH (FT)	TRUE VERTICAL DEPTH	T O T A L RECTANGULAR COORDINATES (FT)		VERTICAL SECTION (FT)	C L O S U R E DISTANCE DIRECTION (FT) (DEG)		DOGLEG SEVERITY (DG/100')
9070.00	22.75	S 88.00 E	94.00	8872.85	74.21 S	1079.21 E	1079.21	1081.76	S 86.07 E	1.65
9165.00	22.50	S 89.00 E	95.00	8960.54	75.17 S	1115.74 E	1115.74	1118.27	S 86.15 E	0.48
9259.00	22.00	N 90.00 E	94.00	9047.54	75.48 S	1151.33 E	1151.33	1153.80	S 86.25 E	0.67
9354.00	22.00	S 88.00 E	95.00	9135.63	76.10 S	1186.91 E	1186.91	1189.34	S 86.33 E	0.79
END OF 1st. MULTI-SHOT										
9510.00	22.00	N 90.00 E	156.00	9280.27	77.12 S	1245.33 E	1245.33	1247.72	S 86.46 E	0.48
9635.00	21.00	N 89.00 E	125.00	9396.57	76.73 S	1291.14 E	1291.14	1293.42	S 86.60 E	0.85
9729.00	19.00	N 88.00 E	94.00	9484.90	75.90 S	1323.27 E	1323.27	1325.45	S 86.72 E	2.16
9824.00	17.75	N 89.00 E	95.00	9575.05	75.11 S	1353.21 E	1353.21	1355.29	S 86.82 E	1.36
9918.00	17.00	S 89.00 E	94.00	9664.76	75.10 S	1381.28 E	1381.28	1383.32	S 86.89 E	1.02
10013.00	15.50	N 89.00 E	95.00	9755.97	75.12 S	1407.86 E	1407.86	1409.86	S 86.95 E	1.69
10107.00	15.00	N 86.00 E	94.00	9846.66	74.05 S	1432.55 E	1432.55	1434.46	S 87.04 E	0.99
10202.00	13.50	N 90.00 E	95.00	9938.73	73.20 S	1455.90 E	1455.90	1457.74	S 87.12 E	1.89
10296.00	13.00	S 89.00 E	94.00	10030.23	73.38 S	1477.45 E	1477.45	1479.27	S 87.16 E	0.59
10390.00	12.00	S 88.00 E	94.00	10122.00	73.91 S	1497.78 E	1497.78	1499.61	S 87.18 E	1.09
10485.00	10.50	S 83.00 E	95.00	10215.18	75.31 S	1516.25 E	1516.25	1518.12	S 87.16 E	1.88
10579.00	8.75	S 83.00 E	94.00	10307.85	77.22 S	1531.85 E	1531.85	1533.79	S 87.11 E	1.86
10674.00	7.00	S 82.00 E	95.00	10401.95	78.91 S	1544.75 E	1544.75	1546.77	S 87.08 E	1.85
10768.00	6.00	S 76.00 E	94.00	10495.35	80.89 S	1555.19 E	1555.19	1557.29	S 87.02 E	1.28
10863.00	5.25	S 76.00 E	95.00	10589.89	83.15 S	1564.23 E	1564.23	1566.43	S 86.96 E	0.79
10957.00	4.50	S 74.00 E	94.00	10683.55	85.20 S	1571.94 E	1571.94	1574.25	S 86.90 E	0.82
11052.00	4.50	S 71.00 E	95.00	10778.25	87.44 S	1579.05 E	1579.05	1581.47	S 86.83 E	0.25
11146.00	4.50	S 70.00 E	94.00	10871.96	89.90 S	1586.00 E	1586.00	1588.55	S 86.76 E	0.08
11241.00	4.50	S 77.00 E	95.00	10966.67	92.02 S	1593.14 E	1593.14	1595.79	S 86.69 E	0.58
11335.00	4.50	S 70.00 E	94.00	11060.38	94.11 S	1600.19 E	1600.19	1602.96	S 86.63 E	0.58
11430.00	4.00	S 66.00 E	95.00	11155.12	96.73 S	1606.72 E	1606.72	1609.63	S 86.55 E	0.61
11524.00	3.75	S 57.00 E	94.00	11248.91	99.74 S	1612.30 E	1612.30	1615.38	S 86.46 E	0.70
11618.00	3.50	S 58.00 E	94.00	11342.72	102.93 S	1617.31 E	1617.31	1620.58	S 86.36 E	0.27
11713.00	3.50	S 59.00 E	95.00	11437.54	105.96 S	1622.25 E	1622.25	1625.71	S 86.26 E	0.06
11807.00	3.00	S 56.00 E	94.00	11531.39	108.82 S	1626.75 E	1626.75	1630.39	S 86.17 E	0.56
11902.00	3.00	S 50.00 E	95.00	11626.26	111.80 S	1630.72 E	1630.72	1634.54	S 86.08 E	0.33
11996.00	3.00	S 45.00 E	94.00	11720.13	115.13 S	1634.34 E	1634.34	1638.39	S 85.97 E	0.28
12091.00	3.50	S 46.00 E	95.00	11814.98	118.90 S	1638.18 E	1638.18	1642.49	S 85.85 E	0.53

Survey Ref: Well Head Closure Ref: Well Head
 Mon Feb 20 1995 20:38:07

Vert Sect Ref: Well Head
 File: yatesz1.dat