

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 (FT)	DIRECTION (DEG)	DOGLEG SEVERITY (DG/100')
12185.00	3.00	S 49.00 E	94.00	11908.83	122.50 S 1642.10 E	1642.10	1646.67	S 85.73 E	0.56
12280.00	3.00	S 48.00 E	95.00	12003.70	125.80 S 1645.83 E	1645.83	1650.63	S 85.63 E	0.06
12374.00	2.50	S 34.00 E	94.00	12097.59	129.14 S 1648.80 E	1648.80	1653.85	S 85.52 E	0.89
12469.00	2.00	S 41.00 E	95.00	12192.52	132.11 S 1651.05 E	1651.05	1656.33	S 85.43 E	0.60
PROJECTION @ T.D.									
12550.00	2.00	S 41.00 E	81.00	12273.47	134.25 S 1652.90 E	1652.90	1658.35	S 85.36 E	0.00

Survey Ref: Well Head Closure Ref: Well Head Vert Sect Ref: Well Head
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TOTAL P.04