

990N-1931W
C-6-205 37E

Job Number: P96-216R
Company: TEXACO E&P, INC.
Lease/Well: J. R. PHILLIPS #9
Location: LEA COUNTY, NEW MEXICO
Rig Name:

State/Country:
Declination:
Grid:
File name: C:\WINSERVE\TEXJRP9.SVY
Date/Time: 11-Feb-97 / 05:38
Curve Name: WELL PATH REF. SL

PHOENIX DRILLING SERVICES, INC.

WINSERVE SURVEY CALCULATIONS Minimum Curvature Method Vertical Section Plane 193.80

Measured Depth Ft	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Subsea TVD Ft	N-S Ft	E-W Ft	Dogleg Severity Deg/100
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KOP: 5614' MD, 69.87°/100'

5614.00	.00	193.80	5614.00	2040.00	.00	.00	.00
5624.00	6.99	193.80	5623.98	2049.98	-59	-15	69.87
5634.00	13.97	193.80	5633.80	2059.80	-2.36	-.58	69.87
5644.00	20.96	193.80	5643.34	2069.34	-5.27	-1.29	69.87
5654.00	27.95	193.80	5652.43	2078.43	-9.29	-2.28	69.87

5664.00	34.94	193.80	5660.96	2086.96	-14.35	-3.52	69.87
5674.00	41.92	193.80	5668.79	2094.79	-20.38	-5.01	69.87
5684.00	48.91	193.80	5675.80	2101.80	-27.30	-6.70	69.87
5694.00	55.90	193.80	5681.90	2107.90	-34.99	-8.59	69.87
5704.00	62.89	193.80	5686.99	2112.99	-43.34	-10.64	69.87

5714.00	69.87	193.80	5690.99	2116.99	-52.23	-12.83	69.87
5724.00	76.86	193.80	5693.85	2119.85	-61.53	-15.11	69.87
5734.00	83.85	193.80	5695.53	2121.53	-71.10	-17.46	69.87

EOB: 5743' MD, 5696' TVD, 90.0° INC.

5742.81	90.00	193.80	5696.00	2122.00	-79.63	-19.55	69.87
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