

Halliburton \ Sperry-Sun Drilling Services

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Survey Report

Date: 08/19/1999

Time: 4:22 pm

Wellpath ID: SURVEY

Date Created: 07/28/1999

Last Revision: 08/19/1999

Calculated using the Minimum Curvature Method

Computed using PDS VER2.2.6

Vertical Section Plane: 270.00 deg.

Survey Reference: WELLHEAD

Vertical Section Reference: WELLHEAD

Closure Reference: WELLHEAD

TVD Reference: WELLHEAD

SANTA FE ENERGY
ROARING SPRINGS #14-2
EDDY COUNTY, NEW MEXICO
SEC. 14 - T21S - R23E

SURVEYS

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)	DLS (dg/100ft)
TIE INTO GYRO							
7760.00	1.26	80.29	0.00	7758.48	47.62	65.73 N 47.62W	0.00
BHA #1 @ 7757' 4 3/4" MOTOR x 4.0° BEND-EDT-537-CS							
7795.00	18.10	268.00	35.00	7792.94	52.72	65.60 N 52.72W	55.28
7827.00	30.10	261.30	32.00	7822.10	65.67	64.21 N 65.67W	38.41
7858.00	42.40	269.70	31.00	7847.07	83.89	62.98 N 83.89W	42.71
7889.00	55.00	271.60	31.00	7867.49	107.13	63.28 N 107.13W	40.90
7921.00	68.30	271.70	32.00	7882.65	135.21	64.09 N 135.21W	41.56
7952.00	80.50	272.70	31.00	7890.97	164.99	65.24 N 164.99W	39.48
BHA #2 @ 7959' 4 3/4" F2000S x 1.83° BEND - XR-30							
7984.00	86.90	272.70	32.00	7894.48	196.75	66.74 N 196.75W	20.00
8015.00	91.80	271.70	31.00	7894.83	227.71	67.93 N 227.71W	16.13
8047.00	95.70	271.70	32.00	7892.74	259.62	68.87 N 259.62W	12.19
8078.00	97.00	271.00	31.00	7889.31	290.43	69.60 N 290.43W	4.76
8110.00	98.00	270.30	32.00	7885.13	322.15	69.96 N 322.15W	3.80
8142.00	97.90	270.10	32.00	7880.71	353.84	70.07 N 353.84W	0.69
8172.00	96.80	268.30	30.00	7876.87	383.59	69.65 N 383.59W	6.99
8204.00	96.90	268.30	32.00	7873.05	415.35	68.71 N 415.35W	0.31
8236.00	96.80	267.60	32.00	7869.24	447.10	67.57 N 447.10W	2.19
8267.00	96.80	267.30	31.00	7865.56	477.85	66.21 N 477.85W	0.96
8299.00	96.80	267.40	32.00	7861.78	509.59	64.74 N 509.59W	0.31
8362.00	96.80	266.40	63.00	7854.32	572.06	61.35 N 572.06W	1.58
8425.00	97.40	266.60	63.00	7846.53	634.46	57.54 N 634.46W	1.00