

HALLIDAY DRILLING SYSTEMS

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Survey Report

Date: 11/26/97

Time: 7:19 am

Wellpath ID: survey

Date Created: 11/21/97

Last Revision: 11/26/97

Calculated using the Minimum Curvature Method
Computed using WIN-CADDS REV2.2.2
Vertical Section Plane: 270.00 deg.

Survey Reference: WELLHEAD

Reference World Coordinates: Lat. 32.49.00 N - Long. 103.54.00 W

Reference GRID System: UTM Zone: 13, Cent. Merid: 105.00.00 W

Reference GRID Coordinates: (ft): 11914547.04 N 1978269.42 E

North Aligned To: TRUE NORTH

Offset, Reference To WellHead: (ft): 0.00 N 0.00 E 0.00 TVD

Vertical Section Reference: WELLHEAD

Closure Reference: WELLHEAD

TVD Reference: KB

WISER OIL COMPANY

SKELLY UNIT #402

EDDY COUNTY, NEW MEXICO

SEC. 28-T17S-R31E

DMI STEERING TOOL - DECLINATION 9.3° EAST

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	T O T A L Rectangular Offsets (ft) (ft)		DLS (dg/100ft)
BHA#2 BIT#3RR-F27 IN:2121 6.5" SS X 1.5° BH								
2138.00	2.40	250.40	94.00	2137.19	32.51	32.07 N	32.51W	0.82
2230.00	2.40	226.50	92.00	2229.11	35.72	30.10 N	35.72W	1.08
2324.00	1.60	241.70	94.00	2323.05	38.31	28.12 N	38.31W	1.01
2417.00	1.50	250.40	93.00	2416.02	40.60	27.10 N	40.60W	0.27
2511.00	3.80	253.10	94.00	2509.91	44.74	25.78 N	44.74W	2.45
2605.00	4.60	259.40	94.00	2603.66	51.42	24.18 N	51.42W	0.98
2699.00	5.60	265.80	94.00	2697.29	59.70	23.15 N	59.70W	1.22
2793.00	6.90	255.90	94.00	2790.73	69.75	21.44 N	69.75W	1.79
2887.00	7.10	253.50	94.00	2884.03	80.80	18.42 N	80.80W	0.38
2981.00	7.40	253.80	94.00	2977.28	92.18	15.08 N	92.18W	0.32
3075.00	7.20	252.30	94.00	3070.52	103.61	11.60 N	103.61W	0.29
3170.00	7.30	257.60	95.00	3164.76	115.17	8.49 N	115.17W	0.71
3261.00	7.60	251.50	91.00	3254.99	126.53	5.34 N	126.53W	0.93
3356.00	6.90	262.60	95.00	3349.23	138.14	2.61 N	138.14W	1.64
3450.00	7.10	271.80	94.00	3442.54	149.55	2.07 N	149.55W	1.21