

Job Number: WTX0700D229

State/Country: New Mexico

Company: EOG Resources

Declination: 9.1 EAST

Lease/Well: James Ranch Unit #27

Grid:

Location: Eddy County

File name: C:\WINSERVE\JAMES27.SVY

Rig Name: McVEY #7

Date/Time: 11-Aug-00 / 07:36

RKB:

Curve Name: WORK

G.L. or M.S.L.:

DAILEY INTERNATIONAL Inc.
MIDLAND, TEXAS

WINSERVE SURVEY CALCULATIONS

Minimum Curvature Method

Vertical Section Plane 65.22

Vertical Section Referenced to offset from Wellhead: EW = .00 Ft, NS = .00 Ft

COPI

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	BUILD RATE Deg/100	Dogleg Severity Deg/100
FROM GYRODATA GYRO										
3720.00	2.46	122.88	3719.10	-15.19	-22.49	-26.79	27.14	235.96	.00	.00
3881.00	1.25	131.00	3880.01	-18.22	-18.26	-24.22	25.80	225.07	-.75	.77
4064.00	1.75	146.00	4062.95	-21.84	-15.19	-22.95	26.61	214.82	.27	.35
4241.00	1.60	128.00	4239.88	-25.61	-11.74	-21.39	28.17	204.62	-.08	.31
4427.00	1.20	133.60	4425.82	-28.55	-8.28	-19.48	29.72	196.17	-.22	.23
4609.00	1.20	135.00	4607.78	-31.21	-5.55	-18.12	31.70	190.08	.00	.02
4797.00	.90	129.70	4795.75	-33.54	-3.02	-16.80	33.68	185.15	-.16	.17
4906.00	1.10	127.60	4904.73	-34.73	-1.54	-15.95	34.76	182.53	.18	.19
5016.00	1.10	128.60	5014.71	-36.03	.13	-14.99	36.03	179.80	.00	.02
5109.00	2.30	88.60	5107.67	-36.54	2.69	-12.87	36.64	175.79	1.29	1.74
5262.00	6.30	69.60	5260.22	-33.54	13.63	-1.68	36.21	157.88	2.61	2.74
5388.00	7.00	68.40	5385.37	-28.06	27.15	12.89	39.04	135.95	.56	.63
5452.00	8.30	66.80	5448.80	-24.68	34.97	21.40	42.80	125.21	2.03	2.03
5547.00	9.90	66.10	5542.60	-18.67	48.74	36.43	52.19	110.96	1.68	1.69
5643.00	11.30	63.60	5636.96	-11.14	64.71	54.08	65.66	99.77	1.46	1.53
5738.00	13.00	65.30	5729.83	-2.54	82.75	74.07	82.79	91.76	1.79	1.83
5832.00	14.60	64.30	5821.11	7.02	103.04	96.49	103.27	86.10	1.70	1.72
5927.00	16.20	61.10	5912.70	18.62	125.43	121.68	126.80	81.56	1.68	1.91
6021.00	17.40	60.40	6002.69	31.90	149.13	148.77	152.50	77.93	1.28	1.29
6117.00	18.60	61.10	6093.99	46.39	175.01	178.34	181.06	75.16	1.25	1.27
6213.00	19.90	61.80	6184.62	61.51	202.82	209.92	211.94	73.13	1.35	1.38