

ATT
FATIH

505-622-8529

SURVEY CALCULATION REPORT
Version 3.60

Company: Chevron U.S.A.
Location: Eddy County, New Mexico
Field:
Declination: 10.00
Operator: J.Cosseay
Time: Sat May 25 01:35:14 1996
Filename: 25296199.8UR
Comments: Tie-In at 5000' MD.

Probe no: 252
Section Plane: 37.89
Well no: B.F.U. No.15
Vertical Section Origin:
North: 0.00 East: 0.00
Depth units: Feet

Data Source (D.S.) types : (Manually entered data starts with '*')
BL - BLENDED CS - Singleshot TI - Tiein Point
CM - Multishot

Calculation Method - Minimum Curvature

**** RECORD OF SURVEY ****

Measured Depth	Inc (deg)	Azimuth (deg)	TVD	T O T A L Rec Coordinates		Vertical Section	Dogleg Severity	D.S.
5000.0	2.53	290.83	4999.2	16.1S	22.0W	-26.2	0.00	*TI
5093.0	2.20	308.14	5092.2	14.3S	25.3W	-26.8	0.84	CM
5188.0	1.18	308.80	5187.1	12.5S	27.5W	-26.8	1.08	CM
5284.0	1.26	349.65	5283.1	10.9S	28.5W	-26.1	0.89	CM
5379.0	1.91	38.14	5378.1	8.8S	27.7W	-23.8	1.51	CM
5475.0	3.18	50.13	5474.0	5.6S	24.7W	-19.6	1.43	CM
5570.0	5.40	49.15	5568.7	1.0S	19.3W	-12.6	2.34	CM
5665.0	7.00	45.81	5663.1	5.9N	11.7W	-2.5	1.72	CM
5761.0	8.95	46.40	5758.2	15.2N	2.1W	10.7	2.03	CM
5856.0	10.72	46.90	5851.8	26.3N	9.7E	26.7	1.87	CM
5952.0	11.78	47.71	5948.0	39.0N	23.4E	45.2	1.13	CM
6047.0	13.30	47.78	6038.7	52.9N	38.7E	65.5	1.59	CM
6142.0	15.62	48.13	6130.7	68.7N	56.3E	88.9	2.44	CM
6238.0	16.54	47.80	6222.9	86.5N	76.1E	115.0	0.97	CM
6333.0	17.12	43.27	6313.9	105.8N	95.7E	142.3	1.51	CM
6429.0	16.89	38.72	6405.7	126.9N	114.0E	170.1	1.45	CM
6524.0	17.06	36.21	6496.6	148.8N	130.8E	197.7	0.86	CM
6619.0	18.94	35.64	6587.0	172.5N	148.0E	227.0	1.99	CM
6715.0	20.87	35.05	6677.2	199.2N	166.9E	259.7	2.02	CM
6810.0	21.58	32.81	6765.8	227.7N	186.1E	294.0	1.14	CM
6906.0	22.18	32.57	6854.9	257.8N	205.4E	329.6	0.83	CM
7001.0	22.50	31.29	6942.7	288.5N	224.5E	365.5	0.61	CM

CLOSURE: Distance - 365.54
Direction - 37.89