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Geoservices, Inc.

BASF ENERGY CORP.
5 Post Oak Pk.
Suite 800
Houston, Texas 77027

Well Name:	Ute Mountain 28-14
Field:	Verde Gallup
County:	San Juan
State:	New Mexico

RECORD OF SURVEY

The attached ninety seven directional surveys, for the above mentioned well, are true and correct to the best my knowledge.

Jeffry Wilson, Operations Manager

F. D. WILKINS
MY COMMISSION EXPIRES
February 3, 1996

State of Texas
County of Harris
Sworn and subscribed before me on the 28th day of April, 1992

F. D. Wilkins

WINTERSHALL — GEOSERVICES MWD

Depth	Drift	Bearing	##	Vrtcl Depth	Coordinates N / W	Coordinates S / E	Departure	Dog lg o/100	No
293.0	0.33	246.3	##	293.0	0.0 N	0.0 W	0.00	0.00	1
384.0	0.33	289.3	##	384.0	0.0 S	0.5 W	0.52	0.26	2
446.0	0.11	356.0	##	446.0	0.2 N	0.7 W	0.69	0.49	3
540.0	0.22	15.8	##	540.0	0.4 N	0.6 W	0.78	0.13	4
633.0	0.49	359.7	##	633.0	1.0 N	0.6 W	1.16	0.31	5
726.0	0.86	15.7	##	726.0	2.1 N	0.4 W	2.14	0.44	6
818.0	1.18	17.9	##	818.0	3.7 N	0.1 E	3.66	0.35	7
910.0	1.35	14.5	##	910.0	5.6 N	0.6 E	5.65	0.20	8
1004.0	1.50	16.6	##	1003.9	7.9 N	1.2 E	7.96	0.16	9
1096.0	1.63	15.1	##	1095.9	10.3 N	1.9 E	10.46	0.15	10
1189.0	1.92	16.2	##	1188.8	13.1 N	2.7 E	13.34	0.31	11
1280.0	2.43	17.7	##	1279.8	16.4 N	3.7 E	16.78	0.56	12
1372.0	2.90	16.0	##	1371.7	20.5 N	5.0 E	21.05	0.52	13
1466.0	3.07	16.5	##	1465.6	25.2 N	6.3 E	25.94	0.18	14
1559.0	3.15	15.2	##	1558.4	30.0 N	7.7 E	30.98	0.12	15
1651.0	3.13	15.9	##	1650.3	34.9 N	9.1 E	36.02	0.05	16
1741.0	3.21	15.1	##	1740.1	39.7 N	10.4 E	41.00	0.10	17
1834.0	3.19	15.6	##	1833.0	44.7 N	11.8 E	46.19	0.00	18
1927.0	3.50	13.5	##	1925.8	49.9 N	13.1 E	51.61	0.36	19
2020.0	3.61	13.0	##	2018.7	55.5 N	14.5 E	57.38	0.12	20
2112.0	3.68	13.0	##	2110.5	61.2 N	15.8 E	63.22	0.07	21
2201.0	3.79	11.2	##	2199.3	66.9 N	17.0 E	69.02	0.17	22
2297.0	4.00	11.7	##	2295.1	73.3 N	18.3 E	75.53	0.22	23
2390.0	4.06	11.0	##	2387.8	79.7 N	19.6 E	82.06	0.08	24
2480.0	4.35	11.0	##	2477.6	86.2 N	20.8 E	88.65	0.32	25
2572.0	4.51	9.8	##	2569.3	93.2 N	22.1 E	95.75	0.20	26
2666.0	4.74	9.4	##	2663.0	100.6 N	23.4 E	103.31	0.25	27
2757.0	4.99	6.6	##	2753.7	108.3 N	24.4 E	111.00	0.38	28
2849.0	5.07	7.9	##	2845.3	116.3 N	25.5 E	119.03	0.15	29
3007.0	5.25	4.0	##	3002.7	130.4 N	26.9 E	133.17	0.25	30
3099.0	5.75	8.0	##	3094.3	139.2 N	27.9 E	141.94	0.68	31
3195.0	5.75	8.0	##	3189.8	148.7 N	29.2 E	151.55	0.00	32
3289.0	5.75	11.0	##	3283.3	158.0 N	30.7 E	160.96	0.32	33
3381.0	5.50	9.0	##	3374.9	166.9 N	32.3 E	169.98	0.34	34
3475.0	6.25	14.0	##	3468.4	176.3 N	34.2 E	179.60	0.96	35
3567.0	6.50	10.0	##	3559.8	186.3 N	36.4 E	189.81	0.55	36
3660.0	7.00	10.0	##	3652.2	197.1 N	38.3 E	200.74	0.54	37
3696.0	7.38	10.5	##	3687.9	201.5 N	39.1 E	205.25	1.07	38
3727.0	8.25	21.5	##	3718.6	205.5 N	40.2 E	209.42	5.57	39
3758.0	9.50	37.5	##	3749.2	209.6 N	42.6 E	213.91	8.89	40
3789.0	11.63	48.5	##	3779.7	213.7 N	46.5 E	218.73	9.43	41
3820.0	14.50	53.5	##	3809.9	218.1 N	52.0 E	224.21	9.94	42
3851.0	17.35	57.0	##	3839.7	222.9 N	59.0 E	230.60	9.70	43
3878.0	20.00	59.0	##	3865.3	227.5 N	66.3 E	236.97	10.10	44
3882.0	20.38	59.0	##	3869.0	228.2 N	67.5 E	237.98	9.47	45
3913.0	22.88	64.0	##	3897.8	233.6 N	77.5 E	246.16	10.01	46
3943.0	25.38	65.0	##	3925.2	238.9 N	88.6 E	254.81	8.44	47
3974.0	28.62	63.5	##	3952.8	245.0 N	101.3 E	265.13	10.68	48
4004.0	29.62	66.5	##	3979.0	251.2 N	114.5 E	276.06	5.90	49

WINTERSHALL — GEOSERVICES MWD

Depth	Drift	Bearing	##	Vrtcl Depth	Coordinates N / W	Coordinates S / E	Departure	Dog lg o/100	No
4035.0	30.50	72.0	##	4005.9	256.7 N	129.0 E	287.28	9.33	50
4066.0	32.00	76.0	##	4032.4	261.1 N	144.5 E	298.40	8.26	51
4098.0	34.25	79.5	##	4059.2	264.8 N	161.5 E	310.18	9.23	52
4128.0	36.13	83.5	##	4083.7	267.3 N	178.6 E	321.53	9.91	53
4158.0	36.88	88.0	##	4107.8	268.7 N	196.4 E	332.80	9.26	54
4188.0	38.50	91.5	##	4131.6	268.7 N	214.8 E	343.99	8.94	55
4219.0	40.88	93.5	##	4155.4	267.8 N	234.5 E	356.02	8.71	56
4251.0	43.75	94.0	##	4179.1	266.4 N	256.0 E	369.51	9.03	57
4287.0	46.62	95.5	##	4204.5	264.3 N	281.5 E	386.12	8.50	58
4318.0	47.50	96.0	##	4225.6	262.0 N	304.1 E	401.39	3.07	59
4349.0	47.25	96.0	##	4246.6	259.7 N	326.7 E	417.35	0.80	60
4369.0	46.75	95.0	##	4260.2	258.3 N	341.3 E	427.99	4.43	61
4474.0	46.00	94.5	##	4332.6	252.0 N	417.0 E	487.25	0.79	62
4505.0	45.75	94.5	##	4354.2	250.2 N	439.2 E	505.50	0.81	63
4530.0	45.63	94.5	##	4371.7	248.8 N	457.1 E	520.40	0.48	64
4561.0	45.63	94.0	##	4393.4	247.2 N	479.2 E	539.15	1.15	65
4594.0	45.38	97.0	##	4416.5	244.9 N	502.6 E	559.08	6.53	66
4625.0	48.75	96.0	##	4437.6	242.4 N	525.1 E	578.36	11.12	67
4656.0	54.00	98.0	##	4457.0	239.4 N	549.2 E	599.07	17.67	68
4686.0	58.75	98.5	##	4473.6	235.8 N	573.9 E	620.43	15.89	69
4715.0	63.38	98.0	##	4487.6	232.2 N	599.0 E	642.40	16.04	70
4747.0	68.13	96.0	##	4500.7	228.6 N	627.9 E	668.26	15.90	71
4776.0	73.63	94.0	##	4510.2	226.2 N	655.2 E	693.18	20.05	72
4807.0	78.25	93.5	##	4517.8	224.3 N	685.2 E	720.99	14.98	73
4839.0	80.88	94.5	##	4523.6	222.1 N	716.6 E	750.23	8.77	74
4870.0	81.75	95.0	##	4528.2	219.5 N	747.1 E	778.73	3.23	75
4901.0	82.13	95.5	##	4532.6	216.7 N	777.7 E	807.35	2.01	76
4932.0	83.25	95.5	##	4536.5	213.8 N	808.3 E	836.11	3.61	77
4961.0	85.00	95.5	##	4539.5	211.0 N	837.0 E	863.22	6.03	78
4993.0	87.00	95.0	##	4541.7	208.1 N	868.8 E	893.39	6.44	79
5024.0	89.13	95.5	##	4542.8	205.3 N	899.7 E	922.79	7.06	80
5055.0	89.88	95.5	##	4543.0	202.3 N	930.5 E	952.26	2.42	81
5081.0	89.88	95.5	##	4543.1	199.8 N	956.4 E	977.05	0.00	82
5111.0	90.50	95.0	##	4543.0	197.1 N	986.3 E	1005.77	2.65	83
5175.0	90.00	95.5	##	4542.7	191.2 N	1050.0 E	1067.28	1.10	84
5205.0	89.75	95.5	##	4542.8	188.3 N	1079.9 E	1096.17	0.83	85
5236.0	89.75	95.5	##	4542.9	185.4 N	1110.7 E	1126.09	0.00	86
5268.0	89.38	96.0	##	4543.2	182.1 N	1142.6 E	1156.99	1.94	87
5299.0	89.00	95.5	##	4543.6	179.0 N	1173.4 E	1186.99	2.03	88
5330.0	88.38	95.5	##	4544.3	176.1 N	1204.3 E	1217.06	2.00	89
5361.0	87.75	96.0	##	4545.4	173.0 N	1235.1 E	1247.14	2.59	90
5393.0	88.63	95.5	##	4546.4	169.8 N	1266.9 E	1278.23	3.16	91
5423.0	89.13	96.0	##	4547.0	166.8 N	1296.8 E	1307.43	2.36	92
5454.0	89.38	95.5	##	4547.4	163.7 N	1327.6 E	1337.64	1.80	93
5485.0	88.75	95.0	##	4547.9	160.8 N	1358.5 E	1367.94	2.59	94
5516.0	88.88	95.0	##	4548.5	158.1 N	1389.3 E	1398.30	0.41	95
5548.0	87.88	94.5	##	4549.4	155.5 N	1421.2 E	1429.69	3.49	96
5577.0	88.25	94.5	##	4550.4	153.2 N	1450.1 E	1458.17	1.28	97