CONSOLIDATION COAL CO.
P.O. Box 566
Sesser, IL 62884
Phone: (618) 625-2041
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DATE: ~~11/26/02~~ 12/7/02

TO: Priscilla Burton

Dept: Division of Oil Gas & Mining

FROM: Tim Kirschbaum

Number of originals: ~~[illegible]~~ 4 + Cover

Special Instructions:

Weather Data info on Weather Stations around Emery.

Fernon Water - FYI

Yes - Berms Topsoil is included as Part of the 10,000 calculated. I'll check working as Suggested.

Incoming
C/015/015
Copy Priscilla

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RECEIVED
DEC 0 9 2002
DIV. OF OIL, GAS & MINING

EMERY, UTAH (422484)

Period of Record Monthly Climate Summary

Period of Record : 1/ 1/1901 to 4/30/1978

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average Max. Temperature (F)	36.7	42.0	49.7	59.3	68.8	77.6	83.2	81.3	74.4	63.3	49.7	39.3	60.4
Average Min. Temperature (F)	10.9	16.1	22.8	30.0	37.8	45.4	52.2	50.7	42.0	32.3	21.6	13.5	31.3
Average Total Precipitation (in.)	0.47	0.50	0.43	0.39	0.60	0.51	0.83	1.12	0.90	0.81	0.33	0.44	7.33
Average Total SnowFall (in.)	5.3	5.0	2.8	0.6	0.4	0.0	0.1	0.0	0.0	0.6	1.7	4.4	20.9
Average Snow Depth (in.)	0	0	0	0	0	0	0	0	0	0	0	0	0

Percent of possible observations for period of record.
Max. Temp.: 94.7% Min. Temp.: 95.2% Precipitation: 95.9% Snowfall: 95.3% Snow Depth: 91.2%
Check Station Metadata or Metadata graphics for more detail about data completeness.

Western Regional Climate Center, wrcc@dri.edu

FERRON, UTAH (422798)

Period of Record Monthly Climate Summary

Period of Record : 7/ 1/1948 to 12/31/2001

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average Max. Temperature (F)	35.8	41.7	51.0	60.7	70.6	80.7	87.3	84.9	77.3	65.6	49.6	38.4	62.0
Average Min. Temperature (F)	11.1	17.2	25.3	33.3	42.4	51.1	57.8	55.4	46.7	35.3	22.9	14.0	34.4
Average Total Precipitation (in.)	0.67	0.59	0.61	0.50	0.74	0.50	0.89	1.12	0.96	0.84	0.55	0.50	8.47
Average Total SnowFall (in.)	8.4	6.5	3.3	1.0	0.0	0.0	0.0	0.0	0.1	0.6	2.2	5.1	27.2
Average Snow Depth (in.)	3	2	0	0	0	0	0	0	0	0	0	1	1

Percent of possible observations for period of record.
Max. Temp.: 97.2% Min. Temp.: 97.2% Precipitation: 98.8% Snowfall: 98.1% Snow Depth: 94.2%
Check Station Metadata or Metadata graphics for more detail about data completeness.

Western Regional Climate Center, wrcc@dri.edu

FERRON, UTAH

Monthly Total Precipitation (inches)

(422798)

File last updated on Nov 22, 2002
*** Note *** Provisional Data *** After Year/Month 200208
a = 1 day missing, b = 2 days missing, c = 3 days, ..etc..,
z = 26 or more days missing, A = Accumulations present
Long-term means based on columns; thus, the monthly row may not sum (or average) to the long-term annual value.
MAXIMUM ALLOWABLE NUMBER OF MISSING DAYS : 5
Individual Months not used for annual or monthly statistics if more than 5 days are missing.
Individual Years not used for annual statistics if any month in that year has more than 5 days missing.

YEAR (S)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1948	0.00z	0.00z	0.00z	0.00z	0.00z	0.00z	0.15	0.53	0.39	1.71	0.00	1.03	3.81
1949	2.65	0.41	0.50	0.55	0.58	1.68	0.41	0.71	0.46	0.63	0.14	1.39	10.11
1950	0.35	0.14	0.09	0.00	0.23	0.00	1.96	0.29	1.76	0.00	0.35	0.33	5.50
1951	0.00z	0.00z	0.00z	0.34	1.67	0.11	0.29	2.94	0.15	1.07	1.66	1.71	9.94
1952	0.00z	0.04	1.24	0.42	0.13	1.33	0.35	1.45	0.96	0.00	0.50	0.52	6.94
1953	0.52	0.08	0.44	0.37	0.38	0.22	0.70	2.51	0.00	1.23	0.67	0.20	7.32
1954	0.90	0.00	0.98	0.08	1.36	0.58	0.50	0.47	1.15	0.35	0.29	0.62	7.28
1955	0.58	1.16	0.00	0.00	0.40	0.25	0.48	1.68	0.18	0.00	0.19	0.40	5.32
1956	1.23	0.14	0.00	0.70	0.60	0.01	1.44	0.45	0.05	0.20	0.00	0.21	5.03
1957	1.49	0.36	0.18	1.39	2.06	0.98	1.17	1.15	0.00	2.49	2.22	0.33	13.82
1958	0.13	0.66	0.92	0.58	0.87	0.00	0.04	1.05	1.16	0.26	0.80	0.02	6.49
1959	0.12	1.03	0.03	0.34	0.21	0.61	0.70	1.28	1.06	0.39	0.65	0.62	7.04
1960	1.02	1.37	0.20	0.56	0.20	0.27	0.13	0.17	1.51	2.62	0.62	0.00	8.67
1961	0.09	0.05	1.51	0.59	0.17	0.00	0.52	2.54	3.28	1.10	0.56	0.52	10.93
1962	0.26	1.60	0.17	0.05	0.34	0.00	0.47	0.81	0.99	1.11	0.06	0.16	6.02
1963	0.35	0.18	0.36	0.39	0.06	0.48	0.24	1.63	2.06	0.23	0.16	0.06	6.20
1964	0.00	0.00	0.46	0.62	1.22	0.24	0.40	0.78	0.16	0.00	0.97	1.26	6.11
1965	0.05	1.10	0.30	1.61	1.22	1.23	2.11	1.44	1.40	0.07	1.46	1.17	13.16
1966	0.00	0.96	0.00	0.00	0.31	0.41	0.47	1.55	0.63	0.23	0.08	1.52	6.16
1967	0.84	0.00	0.04	0.05	1.27	1.95	0.29	0.95	0.33	0.14	0.14	1.58	7.58
1968	0.27	0.40	0.51	1.01	0.88	0.85	0.72	2.59	0.42	0.54	0.00	0.79	8.98
1969	2.30	1.28	0.58	0.36	1.61	1.48	1.07	2.19	1.63	0.56	0.13	0.00	13.19
1970	0.29	0.05	0.00z	0.60	0.13	0.92	1.47	0.91	0.51	0.48	0.26	0.25	5.87
1971	0.35	0.82	0.02	0.12	1.31	0.20	1.68	0.87	0.05	2.01	0.13	1.15	8.71

1972	0.00	0.00	0.02	0.24	0.13	1.18	0.56	0.65	0.69	1.94	1.34	0.26	7.01
1973	0.49	0.80	1.58	0.51	0.54	0.51	3.47	0.98	0.18	0.12	0.19	0.28	9.65
1974	1.07	0.00	0.00c	0.18	0.03	0.00	1.48	0.25	0.30	2.16	0.44	0.00z	5.91
1975	0.00p	0.60	0.74	0.17	0.00z	1.11	1.22	1.20	0.58	0.26	0.41	0.00	6.29
1976	0.13	0.43	0.01	1.09	1.77	0.01	0.69	0.12	0.76	0.09	0.00	0.00	5.10
1977	0.49	0.13	0.00	0.20	1.25	0.19	2.13	0.75	0.70	0.28	0.17	0.40	6.69
1978	1.37	1.84	1.72	0.77	0.57	0.03	0.14	0.38	0.10	0.18	2.73	0.64	10.47
1979	1.40	0.87	1.88	0.15	0.66	0.00	0.16	0.62	0.01	0.00	0.27	0.19	6.21
1980	2.44	1.80	1.20	0.57	1.66	0.02	0.55	0.78	2.39	0.79	0.30	0.02	12.52
1981	0.03	0.01	1.44	0.30	0.38	0.66	1.74	1.15	2.19	1.55	0.24	0.25	9.94
1982	1.63	0.16	0.85	0.00	0.10	0.27	1.37	1.18	1.33	0.52	0.68	1.34	9.43
1983	0.82	0.50	1.08	0.08	0.42	0.35	0.67	1.46	0.54	0.88	1.17	1.13	9.10
1984	0.14	0.22	0.43	0.18	0.08	0.73	0.48	1.14	0.49	2.64	0.19	0.89	7.61
1985	0.23	0.19	0.84	1.15	1.06	0.43	2.21	0.01	0.91	0.95	1.54	0.51	10.03
1986	0.05	0.72	0.46	0.31	0.32	0.49	0.24	1.10	0.85	1.06	0.38	0.07	6.05
1987	0.72	0.64	1.00	0.39	1.85	0.19	1.96	1.05	0.42	2.07	1.65	0.71	12.65
1988	1.23	0.00	0.59	2.02	0.70	0.27	0.98	0.64	0.82	0.93	0.05	0.65	8.88
1989	0.49	0.35	0.39	0.10	0.66	0.31	0.74	2.05	0.42	0.15	0.07	0.08	5.81
1990	0.33	0.76	0.97	0.89	0.15	0.28	0.77	0.81	0.93	0.75	0.19	0.24	7.07
1991	0.27	0.00	0.91	0.15	0.84	0.63	0.76	0.98	1.97	0.25	0.80	0.18	7.74
1992	0.45	1.53	1.60	0.29	2.24	0.22	1.01	0.22	0.79	0.87	0.26	0.64	10.12
1993	1.82	2.01	1.40	0.31	0.23	0.26	0.01	0.68	0.10	2.21	0.90	0.10	10.03
1994	0.07	0.32	0.15	0.42	0.35	0.16	0.27	1.20	1.83	1.19	0.32	0.58	6.86
1995	0.82	0.17	0.71	1.20	1.69	0.55	1.21	3.14	1.12	0.00	0.21	0.20	11.02
1996	0.43	0.30	1.15	0.08	1.06	0.89	0.55	0.22	1.82	0.63	1.24	0.53	8.90
1997	1.36	0.16	0.00	0.86	0.58	1.18	1.90	2.08	4.36	0.30	0.34	0.13	13.25
1998	0.24	2.41	0.07	0.26	0.32	0.36	0.76	0.80	2.09	2.04	0.64	0.09	10.08
1999	0.16	0.27	0.00	2.30	0.08	0.41	1.16	1.91	1.48	0.00	0.00	0.05	7.82
2000	0.41	1.22	0.68	0.00	0.82	0.52	0.36	0.66	0.38	2.47	0.25	0.20	7.97
2001	1.59	0.96	0.83	0.30	0.65	0.38	0.66	0.65	0.17	0.21	0.72	0.14	7.26
2002	0.00	0.01	0.02	0.08	0.00m	0.00i	0.44m	0.05k	1.43k	0.90m	0.54o	0.00z	0.11
Period of Record Statistics													
MEAN	0.68	0.59	0.60	0.49	0.74	0.50	0.89	1.11	0.94	0.83	0.55	0.50	8.52
S.D.	0.68	0.61	0.55	0.50	0.60	0.47	0.70	0.73	0.87	0.81	0.59	0.47	2.39
SKEW	1.23	1.10	0.60	1.75	0.80	1.19	1.29	0.96	1.58	0.90	1.69	1.01	0.58
MAX	2.65	2.41	1.88	2.30	2.24	1.95	3.47	3.14	4.36	2.64	2.73	1.71	13.82
MIN	0.00	0.00	0.00	0.00	0.03	0.00	0.01	0.01	0.00	0.00	0.00	0.00	5.03
NO YRS	51	53	52	54	52	53	54	54	54	54	54	53	48