



MUSEUM OF NATURAL HISTORY
ENVIRONMENTAL RESEARCH CENTER
DIVISION OF EARTH SCIENCES
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June 16, 1982

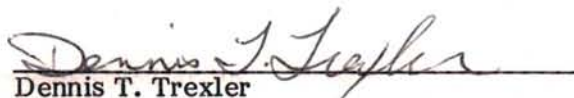
Becky Weimer McMillion
Nevada Bureau of Mines and Geology
University of Nevada, Reno
Reno, Nevada 89557

Dear Becky:

The University of Utah Research Institute, Earth Science Laboratory has a number of reports dealing with geothermal exploration in Nevada. I think you may have some of these (list attached). They would be willing to supply you free of charge any you don't have to make a complete set.

The librarian at UURI, ESL is Mr. Jim Stringfellow, phone (801) 581-8413.

Regards,


Dennis T. Trexler
Director

DTT:mj

Enclosure

TUSCARORA, ELKO CO., NEVADA

<u>OFR #</u>		<u>COST</u>
NV/TUS/AMAX-1	Thermal gradient/lithology study of 4 holes (td=50-60 m): location map, temp profiles, lithologic desc, computerized temp data	2.00
NV/TUS/AMAX-2	Thermal gradient/lithology study of 33 holes (td=150-250 ft) and 6 holes (td=1000-1750 ft): location map, temp profiles, lithologic desc, thermal studies contour maps, computerized temp data	12.35
NV/TUS/AMAX-3	Gravity survey by Microgeophysics Corp: 314 stations, 200 sq mi	3.00
NV/TUS/AMAX-4	Self-potential survey, Microgeophysics Corp: 9 lines of 12 mi each, station spacing 200 m, with 100-50 m fill-in	4.65
NV/TUS/AMAX-5	Magnetotelluric survey by Terraphysics: 30 stations, with 11 five-component bases & 19 telemetered orthogonal pairs; 70 sq mi	10.50
NV/TUS/AMAX-6	Aeromagnetic survey by Geometrics: approx 375 line miles, spacing of 1 mi flown at 1000 ft; location map, contoured mag intensity	2.15
NV/TUS/AMAX-7	Microearthquake survey by Microgeophysics Corp: approx 30 stations & 70 sq mi, P-wave delay study	10.45
NV/TUS/AMAX-8	Dipole-dipole resistivity study by Mining Geophysics: 3 lines of 2000-ft dipoles totaling 34 line miles	2.25
NV/TUS/AMAX-9	Magnetotelluric survey by Terraphysics -supplements NV/TUS/AMAX-5	2.45
NV/TUS/AMAX-10	Well #66-5 (td=5456 ft): drilling summary, geothermal log, gradient plot, lithologic log, flow test (by Enthalpy), directional survey	2.20
NV/TUS/AMAX-11	Geochemical soil survey for 17 elements; maps: NH ₃ , Li, F, B, Hg, Sb, As, Bi, Cl, Mn, Ag, Ni, Pb, Fe, Cu, Mo, Zn	11.00
NV/TUS/AMAX-12	"The Tuscarora Geothermal Prospect - A Continuous Case History" by F.E. Berkman, AMAX Exploration Inc	4.50
NV/TUS/AMAX-13	Tuscarora soil geochemistry	6.60
NV/TUS/AMAX-14	Tuscarora magnetotelluric profiles	3.00

SODA LAKE, CHURCHILL CO., NEVADA

<u>OFR #</u>		<u>COST</u>
NV/SL/CRC-1	Dipole-dipole resistivity survey by McPhar Geophysics, 1973-4: 63 sq miles, a=2000', n=1-4	2.75
NV/SL/CRC-2	Magnetotelluric survey by Geotronics, 1975: 14 stations, 20 Mi ²	6.05
NV/SL/CRC-3	Magnetotelluric survey by Geotronics, 1977	8.80
NV/SL/CRC-4	Reflection seismic survey by Reynolds & Assoc, 1975, 24 line mi	5.50
NV/SL/CRC-5	Reflection seismic survey by Chevron Geophysical Co, 1977: 1200% stacked CDP sections & base map, 12 line mi	3.30
NV/SL/CRC-6	Temperature gradient survey & cuttings desc., by Boyles Bros, 1974: eleven 500' holes	1.10
NV/SL/CRC-7	Temp gradient hole #36-78 (td=2000'): drill history & lithology	0.40
NV/SL/CRC-8	Well #44-5 (td=5070'): drilling & completion history, directional survey, core & lithologic descriptions	1.40
NV/SL/CRC-9	Well #1-29: drilling & completion history, flow test data, prod- uction record, static temp mud log, report of analysis	1.40
NV/SL/CRC-10	Chevron Resources Co. Final Report: "Geothermal Reservoir Assess- ment, Intermediate Depth holes 11-33 and 63-33"	4.35

STILLWATER, CHURCHILL CO., NEVADA

<u>OFR #</u>		<u>COST</u>
NV/STR/UOC-1	GSI reflection seismic survey (Vibroseis source): 3 lines totaling 12 line mi, location map, velocity analysis, final CDP stack	9.35
NV/STR/UOC-2	Union Oil Co Technical report on well De Braga #2: includes well summary, geologic report, fluid analysis	3.00
NV/STR/UOC-3	Addendum to report on De Braga #2: flow test & fluid sample	1.35

McCOY AREA, CHURCHILL & LANDER COS., NEVADA

<u>OFR #</u>		<u>COST</u>
NV/MC/AMAX-6	Aeromagnetic study by Geometrics. Approx. 450 line miles, line spacing 1 mi, flown at 1000' mean terrain clearance. Line location, contoured magnetic intensity maps	1.65
NV/MC/AMAX-7	Microearthquake survey by Microgeophysics Corp. Approx. 22 stations covering about 70 sq mi	10.50
NV/MC/AMAX-8	"The McCoy Geothermal Prospect - An Interim Case History" by Arthur L. Lange (AMAX Exploration Inc)	5.50
NV/MC/AMAX-9	Resistivity survey, by Mining Geophysical Surveys Inc.	3.00
NV/MC/AMAX-10	Magnetotelluric profiles, by AMAX Exploration Inc.	3.60

SAN EMIDIO, WASHOE CO., NEVADA

<u>OFR #</u>		<u>COST</u>
NV/SE/CRC-1	Electrical resistivity survey by McPhar Geophysics, 1973: 25 line miles, dipole-dipole, a=2000'	3.00
NV/SE/CRC-2	Dipole-dipole resistivity survey by Phoenix Geophysics Inc., 1973, 8 line miles, a=2000'	3.30
NV/SE/CRC-3	Self-potential survey by Senturion Sciences, 1974: 126 measurements (spacing 1000') along 3 north-south lines	0.45
NV/SE/CRC-4	Gravity survey by Photogravity Inc, 1975: 1056 stations, 1/8 mile spacing, lines 1/2 mile apart with tie lines & terrain correction	1.65
NV/SE/CRC-5	Seismic/ground noise survey by Senturion Sciences, 1974: 35 stations, 100 sq miles	5.50
NV/SE/CRC-6	Seismic reflection survey by Western Geophysical Co, 1976: 2.1 line miles, high resolution, 700% stacked sections migrated	4.40
NV/SE/CRC-7	Seismic reflection survey by United Geophysical Co, 1977: 10 line miles, split spread, 110' group interval, processed, deconvolved	3.60
NV/SE/CRC-8	Temperature gradient report by Geonomics, 1976-7-8: temp & lithologic data for 64 holes (td=200-500')	22.00
NV/SE/CRC-9	Aerial & structural geology by Intra-Search; 1:24,000; 50 miles ²	0.55
NV/SE/CRC-10	KOSMOS #1-9 (td=5370'): drilling history & summary, directional survey, fluid analysis, lithologic log, core description, drill stem test, Johnston-Schlumberger technical report	4.40
NV/SE/CRC-11	KOSMOS #1-8 (td=4013'): drilling history, lithology, drill stem test, sidewall sample desc., max-reading thermometer survey, Johnston-Schlumberger technical report	1.40

HUMBOLDT HOUSE, PERSHING CO., NEVADA

<u>OFR #</u>		<u>COST</u>
NV/HUM/PPC-1	Phillips Petroleum Co.: surface geologic map, cross section, magnetotelluric slice map	0.85
NV/HUM/PPC-2	Phillips well Campbell E-#1: lithologic log, daily drilling report, directional survey	0.85

((see also NV/DP/PPC-5 and NV/DV/SR-4))

LEACH HOT SPRINGS, PERSHING CO., NEVADA

<u>OFR #</u>		<u>COST</u>
NV/LCH/AMN-1	Water geochemistry and hydrothermal alteration study	1.25
NV/LCH/AMN-2	Gravity survey data & interpretation; 500 new grav stations plus interpretation of 900 stations by EDCON	11.55
NV/LCH/AMN-3	Geologic report & Kelsh Plotter Photomapping (blk & white photos)	5.70
NV/LCH/AMN-4	Temperature gradient & heat flow data for Grass Valley, Nevada by Geothermex Inc.	12.00
NV/LCH/AMN-5	Magnetotelluric survey: Leach Hot Springs area by Geotronics	24.80
NV/LCH/AMN-6	Seismic reflection survey of Grass Valley by Geophysical Serv.	13.35
NV/AMN-7	Geology & geothermal regime of well #11-36 by Geothermex Inc	6.25
NV/LCH/AMN-8	Well #11-36: daily drilling report, workover record	4.85

McCOY AREA, CHURCHILL & LANDER COS., NEVADA

<u>OFR #</u>		<u>COST</u>
NV/MC/AMAX-1	Thermal gradient/lithologic study of 15 holes (td=38 m) by AMAX. Location map, temperature profiles, computer representation of temp data, lithologic description	5.25
NV/MC/AMAX-2	Thermal gradient/lithologic study of 25 holes (td=300'). Location map, temp profiles, computer rep. of temp data, lithologic desc.	8.95
NV/MC/AMAX-3	Gravity survey by Microgeophysics Corp & AMAX. 363 stations over approx. 70 sq mi area	5.40
NV/MC/AMAX-4	Self-potential survey of 9 lines, approx. 12 mi each with station spacing of 450 ft; by Microgeophysics Corp	5.50
NV/MC/AMAX-5	Telluric-magnetotelluric survey by Terraphysics. Rotated sensor data from 14 5-component bases & 26 telemetered orthogonal pair satellites over approx. 70 sq mi	11.80

DIXIE VALLEY, CHURCHILL CO., NEVADA

<u>OFR #</u>		<u>COST</u>
NV/DV/SR-5	"Seismicity Report of the Dixie Valley Prospect" by Micro-geophysics Co., 1976; 200 sq mi	3.30
NV/DV/SR-6	"High Precision Multilevel Aeromagnetic Survey over Dixie Valley Part I" by Senturion Sciences, 1977; 100 sq mi, 5 profiles	8.25
NV/DV/SR-7	"High Precision Multilevel Aeromagnetic Survey Part II" by Senturion Sciences, 1978; 50 sq mi, 7 profiles	4.15
NV/DV/SR-8	"South Dixie Valley, Nevada Scalar Magnetotelluric Survey" by Senturion Sciences, 1978; 20 sq mi, 27 scalar stations	6.35
NV/DV/SR-9	"Interim Evaluation of Exploration & Development Status, Geothermal Potential & Associated Economics, Dixie Valley" by Kepplinger	6.60
NV/DV/SR-10	Temperature survey data, 6 thermal gradient holes (td=500-1500')	1.55
NV/DV/SR-11	Dixie Federal well #45-14 (td=9022'): well history, daily drilling report, temp-press & directional surveys, chem analysis of fluid	3.45
NV/DV/SR-12	Dixie Federal #66-21 (td=9780'): well history, daily drilling rpt, bit record, directional survey, static temp & press survey, 24-hour flow test, circulation & caustic wash record, rig test rpt	2.35
NV/DV/SR-13	"Geothermal Reservoir Assessment Case Study, northern Basin & Range Province, northern Dixie Valley - Final Report" by Mackay Minerals Research Inst.; vol. I 248 p.; vol II 8 plates	20.50
NV/DV-SR-14	Reflection seismic survey (Vibroseis): 3 lines totaling 16 line miles; 8 stacked & F-D migrated sections; location map; report by Haskins-Pfeiffer, Inc.	4.10
NV/DV/SR-15	Thermal gradient holes SR-3 & SR-4 (td=1500'): temperature survey, well histories, lithologic logs, thin section study, location map	4.60
NV/DV/SR-16	Mackay School of Mines Case Study Report vol. III: Dixie Valley soil geochemistry & petrochemical study; 170 pages, 9 plates	17.05
NV/DV/SR-17	Mackay School of Mines, vol. III Appendix: Environmental Isotope Hydrology Study	4.15

COLADO HOT SPRINGS, PERSHING CO., NEVADA

<u>OFR #</u>		<u>COST</u>
NV/COL/GOC-1	Getty Oil Co.: "An Electrical Resistivity Survey of Colado H.S., vol. I & II" by Electrodyne Surveys Inc.; resistivity, grav & magnetic recon surveys, scalar & vector AMT-MT, roving vector telluric soundings, d.c. resis & time domain elec & mag field soundings; 14 maps, about 100 sq mi coverage	13.50
NV/COL/GOC-2	Getty Oil wells RG-1 & RG-2: temperature gradient survey, 1976, (td= 450' & 445')	0.25
NV/COL/GOC-3	Getty Oil temperature data for 18 temp grad holes (td=500')	2.60
NV/COL/GOC-4	Getty Oil hole IGH#2 (td=1165'): well history & completion rpts	0.70
NV/COL/GOC-5	Getty Oil hole IGH#1 (td=1500'): well history & completion rpts	0.40

DESERT PEAK, CHURCHILL CO., NEVADA

<u>OFR #</u>		<u>COST</u>
NV/DP/PPC-1	Phillips Petroleum: geologic map, 2 cross sections, magneto-telluric slice map	1.40
NV/DP/PPC-2	Ground magnetics map & gravity map, Carson Sink area	2.15
NV/DP/PPC-3	Equilibrium temperature profiles, strat tests #2 & #5	0.85
NV/DP/PPC-4	Desert Peak #21-1 water analysis & drilling reports; DP #21-2 drilling report; DP #29-1 drilling reports	1.40
NV/DP/PPC-5	Phillips Petroleum Co.: "Final Report for Geothermal Reservoir Assessment Case Study"; integrated summary of drilling history & results for DP #B-23-1 and Humboldt House well Campbell E-#2	7.70

DIXIE VALLEY, CHURCHILL CO., NEVADA

<u>OFR #</u>		<u>COST</u>
NV/DV/SR-1	Southland Royalty 6 temp grad holes lithology data (td=500-1500')	3.60
NV/DV/SR-2	Geothermex report: "Geothermal Potential of the Quest Leasehold, Dixie Valley, Nevada" 1976	12.10
NV/DV/SR-3	"Preliminary Evaluation of Dixie Valley Geothermal Potential and Associated Economics" by Kepplinger & Assoc, 1977	4.70
NV/DV/SR-4	"Gravity & Magnetic Survey over the Humboldt Salt Marsh, Dixie Valley, Nevada" by EDCON, 1976	1.10

BALTAZOR HOT SPRINGS, HUMBOLDT CO., NEVADA

<u>OFR #</u>		<u>COST</u>
NV/BAL/EPP-1	Geothermex report: "Geothermal Interpretation of Groundwaters, Continental Lake Region, Humboldt Co., Nevada" (Dec 1977)	2.50
NV/BAL/EPP-2	Geothermex report: "Photogeologic Interpretation of the Baltazor-McGee Geothermal Prospect, Humboldt Co., Nevada"	1.30
NV/BAL/EPP-3	Senturion Science Inc. report: "NW Nevada Microearthquake Survey Report for Earth Power Production Corp"; two, 6-station, 9-km diameter seismometer arrays	6.05
NV/BAL/EPP-4	27 shallow thermal gradient holes: temperatures, lithology, temperature gradient map	2.75
NV/BAL/EPP-5	Aeromagnetic map, Vya sheet: 1,015 sq mi; scale 1:62,500, flown at 9000 ft by Scintrex Mineral Surveys in 1972	1.35
NV/BAL/EPP-6	Gravity map from USGS Open-File 76-601 & 77-67C; @ 400 sq mi	1.35
NV/BAL/EPP-7	Earth Power Production Co: Geochemical map, geologic cross section, sulfate map, microearthquake survey map	4.35
NV/BAL/EPP-8	Three deep thermal gradient holes (to 1500 ft): temperature logs, drilling & completion histories, location map	3.00
NV/BAL/EPP-9	Dipole-dipole resistivity survey, 10 line miles at a=1500 ft; self-potential survey, 20 line miles at 200 meter stations; by Mining Geophysical Surveys Inc. (Mar 1980)	3.85
NV/BAL/EPP-10	Geochemical soil survey (Hg, As) for 173 samples at 1000 ft station spacing covering @ 5 sq mi	1.25

BEOVAWE AREA, LANDER AND EUREKA COS., NEVADA

<u>OFR #</u>		<u>COST</u>
NV/BEO/CRC-1	Dipole-dipole resistivity survey: McPhar Geophysics, 1974, 6 lines, a=2000 ft.	2.50
NV/BEO/CRC-2	Dipole-dipole resistivity survey: Phoenix Geophysics Inc, 1976, a=2000 ft	2.20
NV/BEO/CRC-3	Magnetotelluric survey: Geotronics Corp, 1976, 30 sq mi	12.35
NV/BEO/CRC-4	Self-potential survey: Terraphysics, 1977, 10 sq mi	2.50
NV/BEO/CRC-5	Aeromagnetic survey: Senturion Sciences, 1976, 30 sq mi, 80 line mi single level and 14 line mi multilevel	4.40
NV/BEO/CRC-6	Seismic emissions survey: Seismic Exploration Inc, 1977, 5 stations of 5 geophone arrays, 16 sq mi	4.40
NV/BEO/CRC-7	Reflection seismic survey: Chas B Reynolds Assoc, 1975: 17.5 line mi, 300 lb drop 3.5 ft or 700 lb drop 6.5 ft	9.35
NV/BEO/CRC-8	Ground noise survey with contoured ground noise power map: Chas B Reynolds Assoc, 1974	1.10
NV/BEO/CRC-9	Ground noise survey: Senturion Sciences Inc, 1974	24.75
NV/BEO/CRC-10	GINN #1-13 (td=9551'): well summary & history, pressure survey, core desc. at 9551', drill stem test, water samples & chem, formation testing service report	2.50
NV/BEO/CRC-11	ROSSI # 21-19 (td=5680'): drill & completion report, directional survey, static temp & press surveys, flow test, fluid chemistry, cuttings description	4.15
NV/BEO/CRC-12	Reflection Seismic survey: 3 lines totalling 8 line mi CDP coverage, 3-5 lb charge at 35 m depth; 2 ms sample interval; 5 stacked profiles plus line location map	4.30
NV/BEO/CRC-13	Self-potential survey: 300-500 ft stations, 4 sq mi, map 1:1000	1.65
NV/BEO/CRC-14	Chevron well 85-18: daily drilling report, Baroid mud report	8.00
NV/BEO/CRC-15	Chevron shallow temp. gradient holes: lithologic desc., temp. data	12.50
NV/BEO/GOC-1	Electrodyne Surveys Inc report: gravity & magnetic survey, MT-AMT and galvanic resistivity, TDEM, interpretative report, maps & sections (for Getty Oil)	5.45
NV/BEO/GOC-2	Geophysical surveys Part B: Appendices II, III, IV with data from galvanic and magnetotelluric soundings, gravity data	1.90
NV/BEO/GOC-3	Getty Oil Co.: well histories of 14½ temperature gradient holes: 2 temp runs/hole 30 days apart & 1 month after drilling	4.00