GL01029

LITHOLOGIC WELL LOG

PROSPECT _____

COUNTY _____ STATE _____

CHEVRON RESOURCES COMPANY

DATE _____ SECTION _____

TOWNSHIP _____

WELL No. B-2-79 RANGE _____

TIME	DEPTH	LITHOLOGY	COMMENTS
	315-320	#16 Alluvium - subrounded to subang. sand to pebbles, mostly pebbles- some angular frags of larger fraction	
	335-340	#17 Same as #16	
	355-360	#18 Alluvium - subrounded to subangular sand to pebbles, mostly large pebbles and granules - some angular frags as before	
	375-380	#19 Alluvium - subrded to subang sand to pebbles, very little sand, mostly small pebbles - some ang. frags as before	
	395-400	#20 Same as #19	
	415-420	#21 Alluvium - subrded to subang sand to small pebbles, very little sand - a few ang. frags as before	
	425-430	#22 Same as #21	Began sampling every 10ft.
	435-440	#23 Same as #21	
	445-450	#24 Same as #21	
	455-460	#25 Same as #21	
	465-470	#26 Same as #21 with more ang. frags	
	475-480	#27 Same as #26	
	485-490	#28 Same as #26	
	495-500	#29 Same as #26	

LITHOLOGIC WELL LOG

CHEVRON RESOURCES COMPANY

PROSPECT BEOWAWE

COUNTY _____ STATE NEVADA

DATE _____ SECTION 5

TOWNSHIP 31N

RANGE 48E

WELL No. B-2-79

TIME	DEPTH	LITHOLOGY	COMMENTS
		Note: Samples taken every 20ft. not not 10 ft.	
	15-20	#1 Subrounded to subangular pebbles mostly of volcanic material	
	35-40	#2 Same as #1 with some granules	
	55-60	#3 Alluvium - sumangular to subrounded - sand to pebbles - some ang. frags off larger fraction	
	75-80	#4 Same as #3 with more sand	
	95-100	#5 Same as #3	
	115-120	#6 Same as #3	
	135-140	#7 Same as #3	
	155-160	#8 Same as #3	
	175-180	#9 Alluvium - subrounded to subangular pebbles to sand - mostly granular fragments off larger fraction broken up by bit	
	195-200	#10 Same as #9	
	215-220	#11 Same as #9	
	235-240	#12 Alluvium - subrounded to subang. sand to pebbles, mostly pebbles angular fragments as above.	
	255-260	#13 Same as #12	
	275-280	#14 Same as #12	
	295-300	#15 Subrounded to subangular pebble gravel w/trace of sand	

LITHOLOGIC WELL LOG

PROSPECT BEOWAWE

COUNTY _____ STATE NEV.

CHEVRON RESOURCES COMPANY

DATE _____ SECTION 7

TOWNSHIP 31N

WELL No. B-7-79 RANGE 48E

TIME	DEPTH	LITHOLOGY	COMMENTS
8:45	0-10	#1 Alluvium - subrounded to subang. pebbles with caliche coverings on 75% of material	Mud Temp. = 65°F
8:52	10-20	#2 Same as #1	MT = 65°F
9:07	20-30	#3 Alluvium - subrded. to subang. pebbles with a trace of silt & sand	MT = 65°F
9:15	30-40	#4 Alluvium as in #3 with a trace of opaline coatings on 70% of pebbles	MT = 60°F
9:35	40-50	#5 Sames as #4 with a trace of iron oxide staining	MT = 65°F
9:40	50-60	#6 Same as #5	MT = 65°F
10:10	60-70	#7 Alluvium 95% subrded. to subang. pebbles & granules 5% sand & silt a trace of opaline coatings	MT = 65°F
10:20	70-80	#8 Alluvium - subrded. to subang. pebbles - a trace of jasperoid? (silica) cemented sand aggregates- a trace of light tan jasperoid? coatings & opaline coatings	MT = 65°F
10:33	80-90	#9 Alluvium - 98% subrded. to subang. pebbles - 2% jasperoid? (silica) cemented silt & sand aggregates - a trace of clear chalcedony & opaline coatings on pebbles	MT = 65°F
10:37	90-100	#10 Alluvium - 90% subrded. to subang. pebbles, 10% subrded. to subang. granules - a trace of ang. jas- peroid & chalcedony frags, opaline coatings & jasperoid cemented sand & silt	MT = 65°F
10:44	100-110	#11 Same as #10	MT = 65°F

LITHOLOGIC WELL LOG

CHEVRON RESOURCES COMPANY

PROSPECT BEOWAWE

COUNTY _____ STATE NEVADA

DATE _____ SECTION 7

TOWNSHIP 31N

RANGE 48E

WELL No. B-7-79

TIME	DEPTH	LITHOLOGY	COMMENTS
10:48	110-120	#12 Alluvium - subrded. to subang. pebbles with a trace of granules & sand - 99% of material covered with siliceous (jasperoid) coating or opal	MT = 65°F
11:00	120-130	#13 Same as #12	MT = 68°F
11:08	130-140	#14 Same as #12	MT = 68°F
11:20	140-150	#15 Same as #12 a trace of iron oxide staining	MT = 65°F
11:29	150-160	#16 Same as #15	MT = 68°F
11:35	160-170	#17 Alluvium - subrded. to subang. pebbles (small) with a trace of sand & granules - a trace of silica? cemented sand with a trace of calcite - 99% of material has siliceous or opaline coating	MT = 68°F
11:40	170-180	#18 Alluvium as above	MT = 68°F
11:47	180-190	#19 Alluvium as above with a trace of grass, sinter covered	MT = 69°F
11:51	190-200	#20 Alluvium - 90% subrded. to subang. pebbles - 10% sand cemented, weakly, with siliceous material - 85% silica coated - trace of iron oxide staining	MT = 69°F
11:58	200-210	#21 Alluvium - subrded. to subang. pebbles a trace of sand weakly cemented with siliceous? material - 85% of material silica coated	MT = 70°F
12:05	210-220	#22 same as #21 with a trace of iron oxide staining.	MT=70°F

LITHOLOGIC WELL LOG

PROSPECT _____

COUNTY _____ STATE _____

CHEVRON RESOURCES COMPANY

DATE _____ SECTION _____

TOWNSHIP _____

WELL No. B-7-79 RANGE _____

TIME	DEPTH	LITHOLOGY	COMMENTS
12:18	220-230	#23 Alluvium - subrded. to subang. small pebbles & granules a trace of sand - a trace of ang. frags of sinter? & siliceous cemented sand - siliceous coatings	MT = 70°F
12:30	230-240	#24 Alluvium - subrded. to subang. pebbles a trace of sand & granules - a trace of ang. frags of sinter? & sand cemented with siliceous material - sinter? like coatings on 90% of material	MT = 70°F
12:43	240-250	#25 Same as #24	MT = 70°F
12:50	250-260	#26 Same as #24 with a trace of iron oxide staining	MT = 70°F
1:05	260-270	#27 Alluvium - subrded. to subang. pebbles with a trace of granules sand & ang. frags off larger alluvial material a trace of sand cemented with siliceous material - 90% of material coated with opal or other siliceous material	MT = 70°F
1:14	270-280	#28 Same as #27	MT = 70°F
1:25	280-290	#29 Same as #27	MT = 70°F
1:33	290-300	#30 Alluvium - subrded. to subang. pebbles & granules - a trace of ang. frags off larger alluvial material - a trace of sand cemented with siliceous material - opal & siliceous coatings on 75% of material.	MT = 70°F
1:45	300-310	#31 Same as #30	MT = 70°F
1:55	310-320	#32 Alluvium as in #30 - ang. frags acct. for 1-2% of material	MT = 70°F
2:12	320-330	#33 Same as #32	MT = 70°F

LITHOLOGIC WELL LOG

PROSPECT _____

COUNTY _____ STATE _____

CHEVRON RESOURCES COMPANY

DATE _____ SECTION 7
TOWNSHIP 31N
RANGE 48E

WELL No. _____

TIME	DEPTH	LITHOLOGY	COMMENTS
2:25	330-340	#34 Same as #32	MT = 70°F
2:45	340-350	#35 Alluvium - subrded. to subang. pebbles & granules - a trace of sand cemented with siliceous material - 45% of material has siliceous coatings, trace of opal coating	MT = 75°F
3:00	350-360	#36 Alluvium as above ∿ 25% of material coated with siliceous material, trace of opal coating	MT = 75°F
3:20	360-370	#37 Alluvium as in #35, a trace of ang. frags off larger fraction & sand aggregated w/siliceous cement - 20% w/siliceous coating trace of opal coatings	MT = 75°F
3:40	370-380	#38 Same as #37 with a trace of ang. frags of siliceous sinter or jasperoid?	MT = 75 °F
4:03	380-390	#39 Alluvium - subrded. to subang. pebbles - 1-2% ang. frags off larger material - 10% coated as above - trace of iron oxide staining	MT = 75°F
4:15	390-400	#40 Alluvium - 95% subrded. to subang. pebbles 5% ang. frags off larger material - 10% coated as above- a trace of sand aggregate with siliceous cement - a trace of iron oxide staining	MT = 75°F
4:35	400-410	#41 Alluvium subrded. to subang. med. pebbles a trace of granules & small pebbles 30% of material coated w/siliceous covering	MT = 75°F
8:35	410-420	#42 Alluvium subrd. to subang. small pebbles a trace of lg. pebbles, granules & sand - coating as in #41	MT = 70°F

LITHOLOGIC WELL LOG

PROSPECT _____

COUNTY _____ STATE _____

CHEVRON RESOURCES COMPANY

DATE _____ SECTION 7

TOWNSHIP 31N

WELL No. _____ RANGE 48E

TIME	DEPTH	LITHOLOGY	COMMENTS
8:55	420-430	#43 Alluvium - subrded. to subang. pebbles & granules - a trace of ang. frags from larger material & sand aggregate w/siliceous cement - 5% of material has siliceous coating	MT = 70°F
9:14	430-440	#44 Same as #43	MT = 70°F
9:35	440-450	#45 Same as #43	MT = 70°F
10:00	450-460	#46 Same as #43 a trace of iron oxide staining	MT = 70°F
10:18	460-470	#47 Same as #46	MT = 70°F
10:40	470-480	#48 Same as #46	MT = 70°F
11:04	480-490	#49 Same as #46	MT = 70°F
11:30	490-500	#50 Alluvium - subrded. to subang. small pebbles, granules & sand a trace of sand aggregate cemented w/siliceous cement - 1-2% coated with siliceous material or opal	MT = 70°F

LITHOLOGIC WELL LOG

PROSPECT BEOWAWE

COUNTY _____ STATE NEV.

CHEVRON RESOURCES COMPANY

DATE _____ SECTION _____

TOWNSHIP _____

WELL No. B-9-79 RANGE _____

TIME	DEPTH	LITHOLOGY	COMMENTS
	15-20	#1 Alluvium - subrounded to sub-angular sand to large pebbles - some silica (hotsprings deposits) most have been transported - many pebbles coated w/$CaCO_3$	Samples every 20' only
	35-40	#2 Alluvium - subrounded to angular (probably gravels broken by bit) sands to pebbles - same silica as before - Calcite coatings on some pebbles	
	55-60	#3 Same as #2	
	75-80	#4 Alluvium as before with fragments of silica cemented pebble conglomerate (probably Alluvial material cemented by hotsprings deposits)	
	95-100	#5 Same as #4	
	115-120	#6 Silica cemented silty sandst light grey in color - some angular frags of silica & basaltic andesite	
	135-140	#7 Alluvium - subrded. to subang. sand (little) to pebbles - some ang. frags from larger - frags of silty sandst & congl. as above	
	155-160	#8 50% silty s.s. & congl. & 50% alluvium	
	175-180	#9 70% silty s.s. & 30% alluvium some silica	
	195-200	#10 Alluvium - subrded. to subang. sand to pebbles (Ang. frags off gravel) a trace of silica	
	215-220	#11 Same as #10	
	235-240	#12 Alluvium - 95% large pebbles, subrded. 5% sand & silica	

LITHOLOGIC WELL LOG

CHEVRON RESOURCES COMPANY

PROSPECT _____

COUNTY _____ STATE _____

DATE _____ SECTION _____

TOWNSHIP _____

WELL No. B-9-79 RANGE _____

TIME	DEPTH	LITHOLOGY	COMMENTS
	255-260	#13 90% light carmel colored silica w/inclusions of altered basaltic andesite? (JI definition of carmel colored material is jasperoid) - 10% alluvium	
	275-280	#14 55% tar highly altered andesitic basalt - 40% jasperoid, carmel colored - 5% ang. basaltic andesite frags Tba_4?, vitreous dark grey to reddish brown in color	
	295-300	#15 Alluvium - Subrded. to subang. granules to small pebbles - composition of grains vary from silica cemented silty sanst to altered & unaltered basaltic andesite - many perhaps 75% of grains have opaline coating	
	315-320	#16 Same as #15 with 15% of grains showing opaline coating - ∿5% are pebbles and 1% sand, the remainder is granules - a trace of silica (opal & quartz)	
	335-340	#17 Alluvium - subrounded to subang. sand (less than 1%) to pebbles (95%) - a trace of opaline coatings - a trace of silica (transported?)	
	355-360	#18 Alluvium - subrded. to subang. granules & pebbles of various rock types - a trace of silica, probably transported	
	375-380	#19 Alluvium 90% as above, 10% jasperoid	
	395-400	#20 5% Alluvium as above - 95% buff, glossy, possible tuff? or sand aggregates cemented with silica - trace of quartz (clear) crystals	

LITHOLOGIC WELL LOG

PROSPECT _____

COUNTY _____ STATE _____

CHEVRON RESOURCES COMPANY

DATE _____ SECTION _____

TOWNSHIP _____

WELL No. B-9-79 RANGE _____

TIME	DEPTH	LITHOLOGY	COMMENTS
	415-420	#21 5% subrded. to subang. pebbles of basaltic andesite - 95% sand & silt aggregate almost silty sandst., slightly calcareous, breaks up in acid with a little effervescing, a lot of "cement" & little detrital material - a trace of jasperoid, quartz & opal	
	435-440	#22 Same as #21	
	455-460	#23 95% calcareous cemented silty sandst which is light to med. grey in color - little detritus & alot of cement - 5% alluvial material - a trace of jasperoid & quartz	
	475-480	#24 75% sandst as above - 25% andesite pebbles from variousunits - a trace of quartz, opal & jasperoid	
	495-500	#25 95% subrded. to ang. frags of med. grey to brown basaltic andesite-5% "sandst" as above - a trace of opal	

LITHOLOGIC WELL LOG

CHEVRON RESOURCES COMPANY

PROSPECT Beowawe

COUNTY _____ STATE Nevada

DATE _____ SECTION 7

TOWNSHIP 31N

RANGE 48E

WELL No. B-11-79

TIME	DEPTH	LITHOLOGY	COMMENTS
8:35	0-10	#1 Alluvium-subrded to subang pebbles of various compositions-a trace of caliche.	Mud Temp. = 75°F
8:45	10-20	#2 Alluvium-subrd to subang pebbles as above-a trace of tan waxy coatings on pebbles.	MT = 75°F
9:04	20-30	#3 Alluvium same as #2.	MT = 70°F
9:15	30-40	#4 Alluvium-subrded to subang pebbles-a trace of sand & granules-75% of material coated w/tan waxy soft (3h) mineral, possibly hot spring type deposit?	MT = 70°F
9:30	40-50	#5 Same as #4 with a trace of sandst. cemented with tan waxy sometimes vitreous mineral (hot spring derived?).	MT = 70°F
9:38	50-60	#6 Alluvium-subrded to subang pebbles w/trace of sand & granules-30% of material coated as above-a trace of opaline coating also-a trace of sandst. as in #5.	MT = 70°F
9:50	60-70	#7 Alluvium-subrded to subang pebbles w/trace of sand, granules & ang. frags off larger fraction-20% of material coated with tan mineral, a trace of opaline coatings-a trace of tan mineral (silica?) cemented sandst.	MT = 75°F
10:00	70-80	#8 Alluvium as in #7 with 40% coated with tan mineral.	MT = 75°F
10:10	80-90	#9 Alluvium-99% subrded to subang pebbles-1% sand & silt, a trace of granules and ang. frags-70% of material coated with silica? & clay trace of silica? cemented sandst.	MT = 75°F

LITHOLOGIC WELL LOG

CHEVRON RESOURCES COMPANY

PROSPECT Beowawe

COUNTY _____ STATE Nevada

DATE _____ SECTION 7

TOWNSHIP 31N

RANGE 48E

WELL No. B-11-79

TIME	DEPTH	LITHOLOGY	COMMENTS
10:20	90-100	#10 Alluvium-subrded to subang pebbles, a trace of silt & sand-a trace of silica? cemented pebbly sandst.-85% of material coated with silica? & silt.	MT = 75°F
10:25	100-110	#11 Same as #10.	MT = 75°F
10:31	110-120	#12 Same as #10.	MT = 75°F
10:42	120-130	#13 Alluvium-95% subrounded to subang pebbles with a trace of granules, sand and silt-5% silica? cemented silty, pebbly sandst.-75% of material silica? & silt coated.	MT = 80°F
10:50	130-140	#14 95% alluvium as in #13-5% silica cemented silty, pebbly sandst. with silica layers (white to cream color)-material coated as in #13.	MT = 80°F
11:00	140-150	#15 Same as #14.	MT = 80°F.
11:06	150-160	#16 Same as #14 w/a trace of opaline coatings, broken qtz xls. & ang. frags off large alluvial material.	
11:17	160-170	#17 Alluvium-80% subrded to subang pebbles w/trace of sand & silt-15% silica cemented silty, pebbly sandst.-5% ang. frags as in #16.	MT = 80°F - 75% of material silica coated.
11:28	170-180	#18 Alluvium-90% subrded to subang pebbles w/trace of sand & silt-5% ang. frags off large alluvial material.	MT = 80°F
11:53	180-190	#19 Alluvium-subrded to subang pebbles (90% 10-20 mm) a trace of granules, sand & silt-trace of sandst. as above & ang. frags -75% silica & silt coated.	MT = 82°F

LITHOLOGIC WELL LOG

CHEVRON RESOURCES COMPANY

PROSPECT Beowawe

COUNTY _____ STATE Nevada

DATE _____ SECTION 7

TOWNSHIP 31N

RANGE 48E

WELL No. B-11-79

TIME	DEPTH	LITHOLOGY	COMMENTS
12:11	190-200	#20 Same as #19.	MT = 82°F
12:30	200-210	#21 Alluvium-subrounded to subang pebbles with a trace of granules, sand & silt-a trace of silica cemented sandst. & ang. frags-85% of alluvial material coated with silica-a trace of opaline coatings.	MT = 85°F
12:45	210-220	#22 Same as #21.	MT = 85°F
1:02	220-230	#23 Same as #21 w/trace of clear chalcedony.	MT = 86°F
1:25	230-240	#24 Same as #23.	MT = 86°F
1:45	240-250	#25 Alluvium-subrded to subang pebbles with a trace of granules, sand & silt-a trace of silica cemented sandst. & ang. frags off large alluvial material-75% of material silica coated (tan color w/some silt) or opaline material.	MT = 85°F
2:05	250-260	#26 Alluvium-85% pebbles 10-20 mm in diameter-15% granules & pebbles 4-6 mm-a trace of silica cemented sandst.-85% of material coated as in #25.	MT = 86°F
2:30	260-270	#27 Alluvium-subrded to subang pebbles of various sizes, a trace of granules, sand & silt-a trace of silica cemented sandst.-85% of material coated as in #25.	MT = 86°F
2:47	270-280	#28 60% ang. frags of med. grey vesicular basalt, a trace of ang. frags of brown basalt-40% pebbles (alluvium) a trace of sand & silt & silica cemented sandst.-alluvium 85% silica coated as above.	MT = 87°F

LITHOLOGIC WELL LOG

CHEVRON RESOURCES COMPANY

PROSPECT Beowawe
COUNTY _____ STATE Nevada
DATE _____ SECTION 7
TOWNSHIP 31N
RANGE 48E
WELL No. B-11-79

TIME	DEPTH	LITHOLOGY	COMMENTS
3:10	280-290	#29 60% of alluvium, subrded to subang pebbles with a trace of granules, sand & silt-40% ang. frags of dark grey glassy basalt-a trace of silica cemented sandst.	MT = 87°F
3:35	290-300	#30 Same as #29.	MT = 90°F
4:00	300-310	#31 60% ang. frag of med. grey glassy (appearing) basalt-40% pebbles-a trace of sand & silt & silica cemented sandst.-trace of iron oxide staining-70% of pebbles ilica coated, trace of silica on ang. frags.	MT = 90°F
4:15	310-320	#32 Alluvium 90% subrded to subang pebbles, a trace of granules, sand & silt-10% ang. frags-a trace of silica cemented sandst. 80% material silica coated.	MT = 90°F
4:30	320-330	#33 Same as #32.	MT = 90°F
8:15 am	330-340	#34 Alluvium 95% subrded to subang pebbles w/trace of sand & silt-a trace of ang. frags of tan silica with a trace of sand-5% ang. frags-a trace of chalcedony-75% of material coated with tan silica or opaline material.	MT = 80°F
8:45	340-350	#35 Alluvium-98% subrded to subang pebbles with a trace of granules & sand-a trace of silica cemented sandst.-2% ang. frags-85% of material silica coated.	MT = 80°F

LITHOLOGIC WELL LOG

CHEVRON RESOURCES COMPANY

PROSPECT Beowawe

COUNTY _____ STATE Nevada

DATE _____ SECTION 7

TOWNSHIP 31N

RANGE 48E

WELL No. B-11-79

TIME	DEPTH	LITHOLOGY	COMMENTS
9:00	350-360	#36 Alluvium-subrounded to subang pebbles with a trace of granules, sand, silt & ang. frags-a trace of silica? cemented sandst.-90% of material coated w/tan silica-a trace of opal coatings.	MT = 80°F
9:20	360-370	#37 Same as #36.	MT = 80°F
9:35	370-380	#38 Same as #37 with a trace of iron oxide staining.	
9:50	380-390	#39 Alluvium-subrded to subang pebbles with a trace of granules & ang. frags-70% of material coated w/tan silica-a trace of opal coatings-trace of sandst. as above.	MT = 80°F
10:05	390-400	#40 Alluvium 98% subrded to subang pebbles with a trace of granules & ang. frags-2% silica (tan) cemented sandst.-75% of material silica coated as above-a trace of opal coatings.	MT = 80°F
10:25	400-410	#41 Alluvium 98% subrded to subang pebbles with a trace of granules sand, silt & ang. frags-2% sandst. as above-80% of material silica coated as above-trace of opal coatings.	MT = 80°F
10:35	410-420	#42 Alluvium subrded to subang pebbles (50%) granules (50%) a trace of sand, silt & ang. frags-a trace of silica cemented sandst.-80% of material silica (tan) coated, a trace of opal coating-a trace of iron oxide staining.	MT = 80°F
10:45	420-430	#43 Same as #42 with no iron oxide staining.	MT = 80°

LITHOLOGIC WELL LOG

CHEVRON RESOURCES COMPANY

PROSPECT Beowawe

COUNTY _____ STATE Nevada

DATE _____ SECTION 7

TOWNSHIP 31N

RANGE 48E

WELL No. B-11-79

TIME	DEPTH	LITHOLOGY	COMMENTS
11:00	430-440	#44 Med. grey vesicular basalt, vesicles are elongate & coated with pale blue chalcedony-a trace of alluvium.	MT = 82°F - Malpais basalt.
11:15	440-450	#45 Same as #44.	MT = 85°F
11:25	450-460	#46 Med. grey vesicular basalt, vesicles are elongate & coated w/pale blue chalcedony-a trace of jasperoid around vesicles-a trace of alteration to pale grey-a trace of tan to yellow orange silica.	MT = 85°F
11:44	460-470	#47 Same as #46 with a trace of silica cemented sandst.	MT = 88°F
1:00	470-480	#48 Med. to dark grey slightly vesicular basalt (vesicles tend to be rded. & less elongated) vesicles are lined w/blue chalcedony-a trace of silica cemented sandst.	MT - 93°F
2:45	480-490	#49 Med. brown massive basalt-a trace of grey basalt as in #48, ang. frags of tan silica, white to clear chalcedony & silica cemented sandst. (sluff).	MT = 95°F
2:55	490-500	#50 90% med. brown vesicular basalt, vesicles lined with thin layer of yellow to yellow brown chalcedony-10% med. grey vesicular basalt, vesicles lined w/blue chalcedony-trace of ang. frags of chalcedony, & iron oxide staining.	MT = 95°F

LITHOLOGIC WELL LOG

CHEVRON RESOURCES COMPANY

PROSPECT Beowawe

COUNTY _____ STATE Nevada

DATE _____ SECTION 13

TOWNSHIP 31N

RANGE 48E

WELL No. B-14-79

TIME	DEPTH		LITHOLOGY	COMMENTS
	0-10	#1	Alluvium-subrded to subang pebbles (95%), granules (5%) and sand (trace)-a trace of ang frags of calcite (yellowish in color) & caliche coatings on pebbles.	Mud Temp. = 72°F
	10-20	#2	Subrded to subang, caliche covered pebbles (10-30 mm) a trace of sand.	MT = 72°F
	20-30	#3	Alluvium-subrded to subang pebbles (98%), granules (2%) & sand (trace)-trace of silica? cemented sandst.-45% of pebbles silica or calcite coated (less calcite).	MT = 72°F
	30-40	#4	Alluvium as in #3-a trace of silica cemented sandst.-45% of material silica (hotspring deposit) coated.	MT = 73°F
	40-50	#5	Same as #4 with a trace of opal coatings.	
	50-60	#6	Alluvium-subrded to subang granules & sand-65% of material silica coated-a trace of silica cemented sandst. & chalcedony (ice blue).	MT = 73°F
	60-70	#7	Same as #6 chalcedony frags clear to red in color.	MT = 74°F
	70-80	#8	Alluvium-subrded to subang pebbles (98%) granules & sand-55% of material silica coated-trace of silica cemented sandst. -trace of iron oxide staining.	
	80-90	#9	Same as #8 with a trace of clear chalcedony & qtz sandst. frags (alluvium).	MT = 75°F

LITHOLOGIC WELL LOG

CHEVRON RESOURCES COMPANY

PROSPECT Beowawe
COUNTY _____ STATE Nevada
DATE _____ SECTION 13
TOWNSHIP 31N
RANGE 47E
WELL No. B-14-79

TIME	DEPTH		LITHOLOGY	COMMENTS
	90-100	#10	Alluvium, subrded to subang pebbles (98%), granules (2%) 70% of material silica coated-a trace of silica cemented sandst.	MT = 74°F
	100-110	#11	Same as #10 with 60% silica coatings, trace of opal coatings	MT = 76°F
	110-120	#12	Alluvium-subrded to subang pebbles 65% coated as above-a trace of silica cemented sandst.	MT = 76°F
	120-130	#13	Alluvium subrded to subang pebbles 90%, granules 10%, sand (trace)-45% of material siliceous coating; a trace of chalcedony silica cemented sandst.	MT = 76°F
	130-140	#14	Alluvium-subrded to subang pebbles (99%), 1% granules & sand-90% of material coated with hot spring-like deposit, slightly calcareous-a trace of silica cemented sandst.-trace of opal coating.	MT = 78°F
	140-150	#15	Alluvium-98% subrded to subang pebbles (small) & granules - 2% lger. pebbles & sand-45% material has siliceous coatings-a trace tuff?-a trace of chalcedony.	MT = 77°F
	150-160	#16	Med. grey vesicular nearly aphanitic basalt, vesicles are elongated and coated with amber mineral (not identified) a trace of iron oxide staining & white lithic tuff.	MT = 77°F
	160-170	#17	Grey basalt as in #16-a trace of tuff and basalt altered to pale grey to buff color.	

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TIME	DEPTH	LITHOLOGY	COMMENTS
	170-180	#18 60% med. brown massive basalt w/sparse phenocrysts-40% med. grey vesicular basalt-a trace of basalt altered to pale grey color, a trace of tuff & ang. frags of clear chalcedony.	MT = 77°F
	180-190	#19 Med. brown massive basalt w/a trace of yellow blotches-a trace of grey basalt as in #18-a trace of siliceous deposit similar to hot springs deposits.	MT = 77°F
	190-200	#20 70% brown massive basalt-30% grey slightly perlitic basalt-(some chips show both grey & brown basalt) a trace of alluvium (rounded pebbles)-a trace of joint or plate planes stained w/iron oxide.	MT = 78°F
	200-210	#21 60% med. grey vesicular basalt with a trace of poorly developed perlitic texture. 40% med. brown massive basalt-a trace of iron oxide staining white tuff.	MT = 78°F Vesicles 75% coated w/ chalcedony amber mineral or green waxy mineral.
	210-220	#22 75% grey basalt as in #21 25% med. brown basalt #21 a trace of basalt altered to cream color-trace of iron oxide staining.	MT - 76°F Vesicles elongated & line as in #21.
	220-230	#23 Med. grey vesicular basalt; 80% of vesicles lined w/amber mineral, white, blue or purple chalcedony-a trace of alteration to white or pale grey especially around vesicles-a trace of brown basalt & tuff (Sluff) and iron oxide staining.	MT = 80°F
	230-240	#24 Same as #23 w/a trace of chips altered to pale grey.	MT = 78°F

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TIME	DEPTH	LITHOLOGY	COMMENTS
	240-250	#25 Med. grey vesicular basalt with green or pale blue chalcedony lining in vesicles- a trace of brown massive basalt & basalt altered to pale grey or tan color.	MT = 69°F
	250-260	#26 60% med. grey vesicular basalt- vesicles lined with amber mineral & chalcedony- 40% med. brown vesicular basalt-a trace of basalt altered to pale grey color-a trace of muscovite flakes-a trace of iron oxide staining.	MT = 69°F
	260-270	#27 95% grey basalt as in #26 5% brown basalt as in #26 a trace of muscovite, iron oxide staining-trace of white chalky mineral & altered basalt as above.	MT = 70°F
	270-280	#28 Med. grey vesicular basalt, vesicles lined w/amber mineral & chalcedony-a trace of brown basalt, muscovite & white chalky mineral & iron oxide staining.	MT = 72°F
	280-290	#29 Same as #28 with a trace of pale green waxy mineral.	MT = 70°F
	290-300	#30 Same as #29 with a trace of buff lithic tuff.	MT = 74°F
	300-310	#31 Med. brown to med. grey mottled (grey & Brown in one chip) vesicular basalt with vesicles lined w/yellow orange or amber soft (3h) mineral & a trace of chalcedony-trace of iron oxide staining & basalt altered to light brown or pale grey.	MT = 74°F
	310-320	#32 Same as #31.	MT = 74°F

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TIME	DEPTH	LITHOLOGY	COMMENTS
	320-330	#33 Dark brown to med. grey basalt with a trace of vesicles-a trace of fracture or plate planes, smooth surfaces stained with iron oxide-vesicles lined as above-a trace of basalt altered to pale grey or brown.	MT = 78°F
	330-340	#34 Dark to med. brown massive basalt-a trace of fracture or plate surfaces with iron oxide staining-a trace of altered basalt as in #33.	MT = 78°F
	340-350	#35 Greyish brown massive basalt with a trace of vesicles-a trace of altered basalt as in #33.	MT = 80°F

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TIME	DEPTH	LITHOLOGY	COMMENTS
	5-10	#1 Subrounded to subang sand to pebbles with an abundance of secondary silica & $CaCO_3$, some as cement between sand grains.	
	15-20	#2 Subrounded to subang sand to pebbles (more pebbles than #1)-abundance of silica & calcite, some coatings of this on pebbles, some cementing sand grains.	
	25-30	#3 Same as #2 with some angular fragments probably off larger grains broken by bit.	
	35-40	#4 Subrounded to subangular sand to pebbles, less silica & calcite than above, however, most grains have some coating.	
	45-50	#5 Alluvial material-subrded to subang. sand to pebbles-very little secondary silica or calcite.	
	55-60	#6 Alluvial material as in #5-a little more silica & calcite than #5.	
	65-70	#7 Same as #6.	
	75-80	#8 Subrded to subang. sand to pebbles, some ang. frags off larger grains-some cemented aggregates of sand (silica & some calcite cement)-yellowish waxy, soft mineral, not identifiable.	
	85-90	#9 Same as #8 with larger pieces of secondary silica.	
	95-100	#10 Subrounded to subang sand to pebbles-some cemented aggregates of sand as before & siliceous coatings on some grains.	

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TIME	DEPTH	LITHOLOGY	COMMENTS
	105-110	#11 Same as #10 with a trace of the yellow waxy soft mineral as before.	
	115-120	#12 Same as #10 with less sand.	
	125-130	#13 Subrounded to subang sand to pebbles-some ang. frags off larger material-some aggregates of sand w/silica & calcite cement-some ang. frags of silica.	
	135-140	#14 Same as #13.	
	145-150	#15 Same as #13 without ang. frags of silica.	
	155-160	#16 Same as #13-more sand.	
	165-170	#17 Subrounded to subang sand to small pebbles (mostly coarse sand) some aggregates of sand with silica cement-some ang. frags of silica.	
	175-180	#18 Subrounded to subang sand to pebbles-some sand aggregates as above-some ang. frags probably off larger fraction broken by bit-some silica coatings on gns.	
	185-190	#19 Same as #18.	
	195-200	#20 Same as #18.	
	205-210	#21 Same as #18.	
	215-220	#22 Subrded to subang sand to pebbles-~ 40% ang. frags off larger fraction-some pale green to pale blue chalcedony, some silica cemented aggregates & coatings on some pebbles.	

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TIME	DEPTH	LITHOLOGY	COMMENTS
	225-230	#23 95% med. to light grey massive basalt-light grey areas tend to be weathered? or altered areas-a trace of brown basalt-a trace of silica cemented sandst.-5% alluvium (pebbles).	
	235-240	#24 75% med. to light grey massive glassy basalt as in #23-25% silica? cemented sandst.-a trace of brown basalt, alluvium and chalcedony.	
	245-250	#25 40% grey massive basalt-5% light grey altered basalt-60% silica? cemented sandst. (silica? yellow to yellowish green) a trace of red jasperoid (chalcedony), brown basalt, rounded pebbles & reddish altered basalt.	
	255-260	#26 60% grey glassy vesicular basalt vesicles lined w/silica & greenish mineral-20% brown massive basalt-20% siliceous cemented sandst. (cement tan to buff color) a trace of ang. frags of chalcedony & opaline chalcedony.	
	265-270	#27 45% grey glassy massive basalt-30% brown massive basalt-10% pale grey or pale brown altered basalt-15% siliceous cemented sandst. as in #26-a trace of ang. frags of green & reddish jasperoid & chalcedony.	
	275-280	#28 95% med. grey to brown basalt-2% basalt altered to pale grey or brown-5% silica cemented sandst., a trace of ang. frags of chalcedony.	

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TIME	DEPTH	LITHOLOGY	COMMENTS
	285-290	#29 95% med. to dark grey massive basalt, with a trace of vesicles-a trace of brown basalt-5% silica? cemented sandst.-a trace of pebbles, chalcedony, jasperoid pebbles.	
	295-300	#30 35% med. to dark grey basalt-30% pale grey altered basalt-30% silica cemented sandst.-5% subrded pebbles-a trace of chalcedony.	
	305-310	#31 70% med. to dark grey basalt-15% buff to pale grey altered basalt-15% silica? cemented sandst.-a trace of ang. frags of chalcedony, a trace of subrded pebbles.	
	315-320	#32 30% med. to dark grey glassy basalt-65% pale grey to steel grey altered basalt-5% silica cemented sandst.-a trace of chalcedony, rounded pebbles & brown basalt.	
	325-330	#33 30% med. to dark grey basalt-30% pale to steel grey basalt as above-30% greyish brown to brown basalt-10% silica? cemented sandst. (cement yellowish green)-a trace of qtz, sandst., chalcedony, buff color silica? cemented sandst.	
	335-340	#34 Same as #33.	
	345-350	#35 60% med. to dark grey basalt-10% pale grey altered basalt-20% greyish brown to brown basalt-10% sandst. as in #33-a trace of subrded pebbles, chalcedony, jasperoid & qtz xls.	
	355-360	#36 Same as #35.	

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TIME	DEPTH	LITHOLOGY	COMMENTS
	365-370	#37 50% med. grey massive basalt-20% pale grey (altered) basalt-10% med. brown massive basalt-20% silica? cemented sandst. (pale green to yellowish waxy cement) a trace of ang. frags of jasperoid (red brown & green) clear chalcedony, qtz sandst. & small pebbles out of silica? cemented sandst. (covered with cement & pebbles sometimes).	
	375-380	#38 85% med. grey basalt-5% pale grey altered basalt-10% silica? cemented pebbly sandst.-a trace of subrded pebbles, red jasperoid & clear chalcedony.	
	385-390	#39 Same as #38.	
	395-400	#40 40% med. reddish brown basalt-10% med. to dark grey basalt-a trace of basalt altered to pale grey or buff color-50% rework silicified tuff? buff color-a trace of jasperoid, chalcedony and subrounded pebbles.	
	405-410	#41 50% med. to dark grey massive basalt-40% med. brown massive basalt-10% tuff as in #40-a trace of qtz chalcedony & greenish siliceous? mineral.	
	415-420	#42 40% med. brown to grey massive basalt-60% white to cream color fine grained lithic tuff with a trace of pumice (megascopic) -a trace of buff silicified? tuff?, chalcedony & subrded pebbles.	

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TIME	DEPTH	LITHOLOGY	COMMENTS
	425-430	#43 70% white tuff as in #42-30% basalt as in #42-a trace of chalcedony, green waxy mineral, buff silicified tuff?, light grey altered basalt & qtz.	
	435-440	#44 40% buff silicified tuff? (appears to be altered white tuff, one chip may have both types) not calcareous-20% white to cream calcareous tuff-40% brown to grey basalt.	
	445-450	#45 70% white chalky calcareous tuff-5% buff silicified tuff-25% brown to grey basalt-a trace of ang. frags of calcite, chalcedony & qtz.	
	455-460	#46 80% dark grey to black vesicular basalt-vesicles lined with pale blue opaline chalcedony-20% tuff as in #45.	Malpais basalt?
	465-470	#47 Dark grey to black vesicular basalt vesicles lined with opaline chalcedony-a trace of basalt altered to pale grey,tuff as in #45 & iron oxide staining.	
	475-480	#48 95% basalt as in #47-5% med. brown massive basalt-a trace of pale grey altered basalt, tuff as above, chalcedony & iron oxide staining.	
	485-490	#49 Med. to dark grey basalt with a trace of vesicles-a trace of pale grey basalt, tuff, chalcedony & iron oxide staining.	
	495-500	#50 Same as #49 with a trace of calcite.	

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TIME	DEPTH	LITHOLOGY	COMMENTS
	5-10	#1 Alluvium - subrded. to subang. granules to pebbles of various volcanic units - 95% pebbles	
	15-20	#2 Alluvium as above - 40% jasperoid coated - a trace of angular frags off larger Alluvial fraction	
	25-30	#3 Alluvium as above - 60% jasperoid coated - a trace of jasperoid cemented sand aggregates - trace of opal	
	35-40	#4 Alluvium as above - a trace of red to white angular frags of jasperoid - a trace of sand aggregate as above - a trace of opal	
	45-50	#5 Alluvium as above - 5% jasperoid coated - a trace of jasperoid cemented sand aggregate - 85% pebbles	
	55-60	#6 Alluvium as above - 40% jasperoid coated - a trace of red sandst?	
	65-70	#7 Alluvium - subrded. to subang. sand to pebbles (80% pebble, 1-2% sand) a trace of jasperoid cemented sand aggregate a trace of jasperoid frags, quartz & angular frags off large sized alluvial material	
	75-80	#8 Alluvium as in #7 (40% pebbles, 50-60% granules, 1-2% sand) - trace of jasperoid cemented sand aggregate, jasperoid frags & iron oxide staining - as high as 3-5% angular frags off large alluvial fraction	
	85-90	#9 Alluvium as in #7 (40% pebbles, 20% granules 40% sand) trace of jasperoid cemented aggregate, jasperoid frags, ang. frags & iron oxide staining	

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TIME	DEPTH	LITHOLOGY	COMMENTS
	95-100	#10 Alluvium as in #7 (85% pebbles, 10-15% granules, 1-2% sand) trace of jasperoid cemented aggregate, jasperoid, iron oxide staining & opal	
	105-110	#11 Alluvium - 35% subrded to subang. pebbles & granules 65% ang. frags of various basalts & andesites probably off large alluvial fraction - a trace of sand, jusperoid cemented sand aggregate jasperoid, opal & iron oxide staining	
	115-120	#12 Same as #11	
	125-130	#13 Alluvium, 75% subrded. to subang. pebbles to sand - 25% ang. frags from larger fraction - traces of aggregate as above, jasperoid & opal	
	135-140	#14 Alluvium 90% subrded. to subang. pebbles to sand - 10% ang. frags a trace of frags jasperoid & opal - ∿35% of alluvium jasperoid coated	
	145-150	#15 Alluvium - 60% subrded. to subang. pebbles & granules - 40% ang. frags - trace of jasperoid frags, opal coatings, jasperoid cemented sand - ∿ 40% of alluvium coated with jasperoid	
	155-160	#16 Same as #15	
	165-170	#17 Alluvium - 60% pebbles, 30% granules 10% sand - 25% of alluvium jasperoid coated - trace of opal, jasperoid & iron oxide staining	
	175-180	#18 - 90% angular frags of light brown to grey aphanitic basalt - 10% ang. frags of med. to dark grey glassy, vesicular basalt w/alterations in vesicles - trace of alluvium	

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TIME	DEPTH	LITHOLOGY	COMMENTS
	185-190	#19 Angular frags of light brown to med. grey basalt, grey frags tend to be glassy - 1-5% of light brown frags show yellow blotches- a trace of sluff - a trace of jasperoid	Malpais basalt
	195-200	#20 Angular frags of brown to light brown & pale to med. grey basalt 85-90% of frags have yellow blotches - a trace of med. grey vesicular glass basalt	
	205-210	#21 Same as #20 with a trace of jasperoid	
	215-220	#22 Angular frags of dark grey glassy vesicular basalt altered to tan to white colored rims in 40% of vesicles - ∿ 5% of vesicles have green jasperoid coatings	
	225-230	#23 Angular frags of brown to med. grey massive basalt with plag. xls ∿ 1mm long - 15% of brown frags have yellow blotches a trace of grey vesicular basalt	
	235-240	#24 95% angular frags of brown, massive, yellow blotched basalt with plagiclase xls up to 1mm long - 5% med. grey basalt - a trace of iron oxide staining & gypsum?	
	245-250	#25 Ang. frags of greyish basalt with yellow blotches - a trace of iron oxide staining	
	255-260	#26 Same as #25	
	265-270	#27 Same as #25	

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TIME	DEPTH	LITHOLOGY	COMMENTS
	275-280	#28 Angular Fragments of med. to dark grey glassy vesicular basalt - 60% of frags show alteration or coatings of jasperoid in vesicles - traces of iron oxide staining	
	285-290	#29 Ang. frags of med. grey glassy highly vesicular basalt, many (+90%) of the vesicles are elongated - traces of calcite & jasperoid in vesicles trace of iron oxide staining	
	295-300	#30 Ang. frags of med. grey glassy basalt 20% of frags have vesicles - trace of jasperoid on what appears to be fracture planes	
	305-310	#31 Ang. frags of med. grey, glassy vesicular basalt - 90% of vesicles have jasperoid coatings and/or iron oxide staining - a trace of calcite	
	315-320	#32 Same as #31 with 85% showing perlitic texture	
	325-330	#33 70% med. grey glassy vesicular basalt - 30% brown massive basalt with yellow blotches - trace of iron oxide & jasperoid	
	335-340	#34 30% grey [illegible] as above 70% brown as above	

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TIME	DEPTH	LITHOLOGY	COMMENTS
9:05	0-10	#1 Alluvium - subrounded to subang small to med pebbles of various composition, predominately volcanic 95% of material has caliche & jasperoid coatings	Mud Temp = 67°F
9:15	10-20	#2 Alluvium - same #1	MT = 67°F
9:30	20-30	#3 Alluvium - same as #1	MT = 68°F
9:35	30-40	#4 Alluvium - same as #1 with a trace of iron oxide staining	MT = 68°F
9:45	40-50	#5 Alluvium - same as #4 with ang. jasperoid frags.	MT = 68°F
9:49	50-60	#6 Alluvium - same as #5	MT = 68°F
9:52	60-70	#7 Alluvium - subrounded to subang pebbles and granules - 1-2% jasperoid cemented sandst - 95% of material is coated with jasperoid and 1%? calcite	MT = 68°F
9:58	70-80	#8 same as #7 with ∿ 75% of the material jasperoid coated - a trace of ang. frags off larger alluvial fraction	MT = 68°F
10:00	80-90	#9 Alluvium - 75% subrounded to subang pebbles of various composition - 25% jasperoid cemented sandst, some pebbles have this sandst coating, their surfaces (<1%) 10-20% of pebbles have jasperoid coating	MT = 69°F
10:07	90-100	#10 Alluvium - 30% subrounded to subang pebbles - 65% subrded to subang granules, a trace of sand 5% jasperoid cemented sandst - 70% of material jasperoid coated	MT = 71°F

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TIME	DEPTH	LITHOLOGY	COMMENTS
10:15	100-110	#11 Alluvium - subrded to subang pebbles (20%) granules (40%) & sand (35%) - jasperoid cemented sandst (5%) - 35% of material jasperoid coated - trace of iron oxide staining	MT = 73°F
10:22	110-120	#12 Alluvium - subrounded to subang. pebbles 10%, granules 40%, & sand 50% - a trace of jasperoid cemented sandst - ang. frags of jasperoid & quartz	MT = 74°F
10:30	120-130	#13 Alluvium same as #12 possibly has pebbles and 1-5% jasperoid cemented sand	MT = 75°F
10:42	130-140	#14 Alluvium as above with 75% pebbles 25% granules and sand - a trace of jasperoid cemented sandst, jasperoid coatings & quartz	MT = 77°F
10:55	140-150	#15 Alluvium as above with 85% pebbles, 15% granules & sand a trace of jasperoid cemented sandst iron oxide staining & jasperoid coatings	MT = 78°F
11:05	150-160	#16 Alluvium - subrded to subang pebbles & granules - a trace of jasperoid cemented sandst. - 40% of material has jasperoid coatings - trace of iron oxide staining	MT = 78°F
11:15	160-170	#17 Alluvium - same as #16	MT = 80°F
11:25	170-180	#18 Alluvium - same as #16 - trace of ang. frags off larger alluvial fraction	MT = 80°F

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TIME	DEPTH	LITHOLOGY	COMMENTS
11:40	180-190	#19 Alluvium - subrded to subang pebbles some ang. frags (5%) off larger fraction - a trace of jasperoid cemented sandst - 20% of material has jasperoid coating - trace of iron oxide staining	MT = 82°F
11:50	190-200	#20 same as #19	MT = 83°F
12:07	200-210	#21 same as #19	MT = 84°F
12:23	210-220	#22 Alluvium - 60% subrded to subang pebbles & 40% granules - a trace of ang. frags off larger fraction & jasperoid cemented sandst - 30% of material is jasperoid coated - trace of iron oxide	MT = 85°F - (some 1-5% of alluvium looks altered this is probably alteration before deposition as alluvium)
12:45	220-230	#23 Alluvium as above 45% pebbles, 45% granules, 10% coarse sand - a trace of ang. frags of volcanics off larger alluvial fraction & ang. jasperoid frags - trace of jasperoid cemented sandst - 10% of material jasperoid or opal coated	MT = 85°F
12:55	230-240	#24 Alluvium as above 65% pebbles 30% granules, 5% sand, a trace of ang. frags of volcanics & jasperoid - trace of jasperoid cemented sandst - 40% jasperoid and/or opal coated	MT = 85°F
1:25	240-250	#25 Alluvium - same as #24 with a trace of qtz	MT = 86°F
1:45	250-260	#26 Alluvium - same as 24 with only 1-2% sand, ∿ 40% granulars & 59% pebbles	MT = 86°F
3:05	260-270	#27 Alluvium as above - 50% pebbles 45% granules, & 5% ang. frags off larger fraction	MT = 86°F

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TIME	DEPTH	LITHOLOGY	COMMENTS
3:15	270-280	#28 Alluvium - 85% subang to subrded pebbles, 15% granules - a trace of angular frags of volcanics, jasperoid cemented sandst & iron oxide staining - 25% of material shows varying amounts of jasperoid coating	MT = 86°F
3:35	280-290	#29 same as #28	MT = 87°F
3:50	290-300	#30 Alluvium - subrded to subang. pebbles 15%, granules, 40% sand 55% - a trace of ang frags of jasperoid, almost perfect unabraided qtx xls (sand sized) - pebbles have 20% jasperoid coating	MT = 86°F
4:05	300-310	#31 Alluvium - subrounded to subang pebbles 20%, granules, 60% sand 20% - a trace of ang frags of volcanics & jasperoid 10% is jasperoid coated a trace of iron oxide staining	MT = 85°F
4:20?	310-320	#32 Alluvium - subrded to subang pebbles 20% granules, 70% sand 10% - a trace of ang. volcanic frags & jasperoid - trace of jasperoid cemented sandst & iron oxide staining - 5% of material jasperoid coated	MT = 88°F
4:35?	320-330	#33 Alluvium - subrded to subang pebbles 5%, granules, 90%, sand 10% - a trace of ang. volcanic frags & jasperoid & iron oxide staining - 5% of material jasperoid coated	MT = 88°F

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TIME	DEPTH	LITHOLOGY	COMMENTS
4:52	330-340	#34 Alluvium - subrded to subang pebbles 3% granules, 90% sand 7% - a trace of ang frags of volcanics, jasperoid & qtz - a trace of jasperoid cemented sandst. - 10% of material is jasperoid coated - 15% of material looks altered - trace of iron oxide staining	MT = 89°F
5:15	340-350	#35 Alluvium - subrded to subang pebbles 15% granules, 75% & sand 10% - a trace of ang volcanic frags. qtz & jasperoid - 5-10% of material jasperoid coated	MT = 88°F
5:25	350-360	#36 Same as #35	MT = 89°F
8:15	360-370	#37 Alluvium - subrded to subang pebbles 45%, granules, 50%, sand 5%, - a trace of ang volcanic frags qtz & jasperoid - 15% of material has varying amts of jasperoid coating	MT = 82°F
8:45	370-380	#38 same as #37 with a trace of jasperoid cemented sandst.	MT = 85°F
9:18	380-390	#39 same as #38	MT = 82°F
9:35	390-400	#40 same as #38 with a trace of iron	MT = 84°F
10:10	400-410	#41 Alluvium - subrded to subang. pebbles 40%, granules, 58% sand 2% - a trace of ang. volcanic frags qtz & jasperoid & jasperoid cemented sandst - 10% of material jasperoid coated - trace of iron oxide staining	MT = 88°F
10:25	410-420	#42 95% ang frags of med to dark grey glassy vesicular aphanitic basalt, the vesicles tend to be elongated	MT = 88°F - Malpais basalt

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TIME	DEPTH	LITHOLOGY	COMMENTS
		#42 cont... and filled with cream, tan, green or grey blue jasperoid ← silica - trace of jasperoid frags - 5% alluvium	
10:50	420-430	#43 90% Malpais basalt as above trace of jasperoid frags & iron oxide staining - 10% alluvium, granules and pebbles	MT = 88°F
11:10	430-440	#44 same as #43	MT = 89°F
12:50	440-450	#45 98% med to dark grey glassy aphanitic vesicular basalt - vesicles are filled, coated with jasperoid - a trace of ang. frags of jasperoid - 2% subrded pebbles - trace of iron oxide staining	MT = 88°F
1:15	450-460	#46 Med to dark grey glassy aphanitic basalt with poorly developed perlitic structure in 2-5% of frags - a trace of alteration to pale grey, a trace of ang. frags of jasperoid - a trace of frags are vesicular - trace of iron oxide staining	MT = 89°F -
1:25	460-470	#47 same as #46	MT = 90°F
1:30	470-480	#48 Med grey, glassy aphanitic vesicular basalt - a trace of alteration to light grey color - a trace of jasperoid frags & iron oxide staining - vesicles are lined with jasperoid	MT = 88°F Malpais
1:45	480-490	#49 same as #46	MT = 91°F
2:05	490-500	#50 same as #46	MT = 93°F

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TIME	DEPTH	LITHOLOGY	COMMENTS
	5-10	#1 Subrounded to subangular pebbles to sand (95% pebbles, 5% gravels smaller - material is from various basaltic andesite w/a trace of jasperiod (rounded) a trace of caliche.	
	15-20	#2 Alluvium - subrounded to subang. pebbles to sand (<1%) as above -	
	25-30	#3 Alluvium - same as #2 with some silica cemented aggregate (transported or in situ?)	
	35-40	#4 Alluvium - same as #2 - a trace of the pebbles show siliceous coatings	
	45-50	#5 Alluvium - same as #2 - with a trace of silica cemented aggregate some siliceous coatings on pebbles	
	55-60	#6 Same as #5	
	65-70	#7 Same as #5	
	75-80	#8 Same as #5 - siliceous coatings are tan to white in color and jasperoid? or opal in appearance as high as 40% are silica coated	
	85-90	#9 Same as #8 - 95% of material is dark grey glass sometimes vesicular basaltic andesite, however it still appears to be alluvial material	
	95-100	#10 Alluvium - subrounded to subang. gravels & pebbles with a trace of sand - 45% of material shows tan to white jasperoid and opaline coatings - a trace of jasperiod cemented aggregate	

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TIME	DEPTH	LITHOLOGY	COMMENTS
	105-110	#11 Same as #10 with some (30%) angular frags (probably broken gravel)	
	115-120	#12 Alluvium as before 55-65% opal or jasperoid? coated - a trace of jasperoid? cemented aggregates	
	125-130	#13 Alluvium as before - 1-5% jasperoid? cemented aggregate	
	135-140	#14 Same as #13 with less than 1% jasperoid?	
	145-150	#15 Alluvium as before - 1-2% jasperoid and jasperoid? cemented aggregates	
	155-160	#16 Alluvium as before - jasperoid? coatings common (65-75%) less than 1% frags of jasperoid	
	165-170	#17 Same as #16	
	175-180	#18 95% dark grey glassy vesicular basalt, which in 75% of chips shows alteration to tan or buff color in vesicles and along former fractures? - a trace of jasperoid frags as well as coatings on basalt andesite Tba 6? - 5% alluvium probably upper unit of 5 — omit. (omit)	Malpais basalt
	185-190	#19 95% dark grey glassy vesicular basalt (6) - ~ 25% of chips probably upper unit of 5 show alterations as above - trace of vesicular fillings (jasperoid?) - trace of jasperoid - Iron oxide staining (trace)	omit Probably upper unit of 5 Malpais basalt
	195-200	#20 95% dark brown aphanitic basalt with yellow blotches Tba 5, — omit showing iron oxide staining - 5% Tba 6 from above	

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TIME	DEPTH	LITHOLOGY	COMMENTS
	205-210	#21 brown basalt as above a trace of grey basalt with a trace of jasperoid	
	215-220	#22 same #21	
	225-230	#23 65% brown basalt as above - 35% medium grey aphanitic basalt some have yellow blotches as in 5 - a trace of jasperoid coatings & ~~iron~~ oxide - also a few chips of Tba 4?	omit cr-lco
	235-240	#24 brown aphanitic, scattered yellow blotches basalt - trace of jasperoid coatings & iron oxide - a trace of jasperoid chips	
	245-250	#25 same as #24 - slightly more jasperoid chips (<1%) a trace of grey basalt	
	255-260	#26 same as #24	
	265-270	#27 same as #24	
	275-280	#28 same as #24	
	285-290	#29 50% brown basalt as above - 50% dark grey to black glass vesicular basaltic andesite Tba4, rarely altered to buff or tan color in vesicles or fractures - a trace of tan, green & white jasperoid	Malpais Note: 4 differs from 6 by being slightly darker grey to black (6 med to dark grey - 4 is more glass and has less of a sugary or grain texture - This "4" is probably a black section of 5 since brown 5 is found below with 4 below that
	295-300	#30 75% dark, grey to black glassy vesicular basalt - 25% brown basalt some alteration of grey basalt to buff color - close to 1% jasperoid, 90% green in color soft and waxy	

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TIME	DEPTH	LITHOLOGY	COMMENTS
	305-310	#31 99% basalt as above some show fractures - a trace of alteration to buff color - 1% green to cream colored jasperoid	
	315-320	#32 99% grey basalt as above with some showing perlitic textures - 1% jasperoid - a trace of andesite perlites cemented with jasperoid	Malpais basalt
	325-330	#33 Grey basalt as above, some showing fractures filled with silica, a trace of buff alteration - some (a trace) of Tba5 frags - trace of jasperoid	omit
	335-340	#34 Grey basalt as above, some vesicles filled with opaline material - a trace of altered (buff colored) grey basalt & a trace of jasperoid	
	345-350	#35 45% grey basalt as above - a trace has been altered to buff color - 55% brown & black mottled basaltic andesite (pieces of Tba3 in 42) this unit is massive - a trace of jasperoid & opal - trace of iron oxide staining	omit
	355-360	#36 75% brown basalt with scattered plag xls 1-2mm long - some (trace) buff colored alteration of brown basalt - 25% grey basalt as above - a trace of jasperoid	omit
	365-370	#37 Brown basalt with tan, yellow & buff blotches probably caused by alteration - a trace of jasperoid - trace of grey basalt	probably 5, part of Malpais basalt

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TIME	DEPTH	LITHOLOGY	COMMENTS
	375-380	#38 some as #37	
	385-390	#39 Dark brown to grey basalt with buff colored alteration occasionally - trace of jasperoid & calcite, calcite appears as fracture fillings	probably 5 part of Malpais basalt
	395-400	#40 same as #39 with no calcite	probably Tba5 as above
	405-410	#41 Dark grey to black highly vesicular, with portions showing perlitic texture, Malpais basalt; 99% of vesicles are filled with blue opaline material with some pink, white & yellow - a trace of jasperoid - some vesicles (5%) show alteration rims less than 1mm thick - a trace of clear chaleedony	
	415-420	#42 same as #41 with a trace of quartz? amygdules	
	425-430	#43 85% grey basalt as above 15% brown basalt - a trace of jasperoid	
	435-440	#44 45% grey basalt as above. 55% highly altered to orangish red color - less than 1% jasperoid however, it is more abundant than in samples above	
	445-450	#45 brown to black mottled massive basalt - some iron oxide staining - a trace of jasperoid	Malpais

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TIME	DEPTH	LITHOLOGY	COMMENTS
10:00	0-10	#1 Alluvium - subrounded to subang pebbles of various volcanic composition caliche & silica coated 99% of pebbles - few ang frags of larger alluvial fraction	64°F = Mud Temp
10:15	10-20	#2 Alluvium as above with some med sized pebbles ∿ 30mm	Mud Temp - 62°F
10:30	20-30	#3 Alluvium as in #1	MT = 62°F
10:35	30-40	#4 Alluvium as in #1 with a trace of jasperoid cemented sandst (poorly cemented)	MT = 62°F
11:00	40-50	#5 Alluvium as in #1	MT = 64°F
11:10	50-60	#6 Alluvium - 99% subrounded to subangular pebbles of various volcanic composition - a trace of jasperoid, sand & sandst cemented with jasperoid - 98% of material is jasperoid coated	MT = 65°F
11:15	60-70	#7 Alluvium 65% pebbles, 34% granulars 1% sand mostly of volcanic composition; a trace of metamorphic material & jasperoid - 75% of material is jasperoid coated - a trace of iron oxide staining	MT = 65°F
11:25	70-80	#8 Alluvium as above 95% pebbles 5% granules - 75% of material is jasperoid coated	MT = 65°F
12:15	80-90	#9 Alluvium - subangular to subrounded pebbles (95%) & granules, (5%) a trace of jasperoid cemented sandst. ang. frags of jasperoid 98% of material is jasperoid? silica coated	MT = 64°F

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TIME	DEPTH	LITHOLOGY	COMMENTS
12:25	90-100	#10 Alluvium - 65% subrded to subang granules - 35% subrded to subang pebbles - trace of jasperoid cemented, sandst - 35% of material jasperoid coated	MT = 68°F
12:35	100-110	#11 Alluvium - 45% pebbles - 55% granules, a trace of jasperoid cemented sandst - trace of jasperoid - 65% jasperoid coated	MT = 68°F
12:45	110-120	#12 Alluvium - 65% pebbles - 35% granules, a trace of sand - a trace of jasperoid cemented sandstone - 20% jasperoid coated	MT = 68°F
12:55	120-130	#13 Alluvium as in #12 with no sand - trace of ang. jasperoid frags.	MT = 70°F
1:05	130-140	#14 same as #13 - a trace of iron oxide staining	MT = 70°F
1:12	140-150	#15 Alluvium - Subrded to ang pebbles granules, and sand - 70% of material is jasperoid coated - trace of jasperoid cemented sandst & ang. frags of jasperoid	MT = 70°F
1:20	150-160	#16 Alluvium - subrded to ang pebbles (75%) and granules - 40% jasperoid coated - trace of jasperoid cemented sandst & ang frags of jasperoid	MT = 71°F
1:45	160-170	#17 95% allumium as above - 5% ang frags of med to dark grey glass basaltic andesite - trace of jasperoid cemented sandst, jasperoid & iron oxide staining	MT = 71°F

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TIME	DEPTH	LITHOLOGY	COMMENTS
2:00	170-180	#18 Alluvium (95%) subrded to subang pebbles a trace of sand & granules - 5% ang frags of basaltic andesite? as above - a trace of ang frags of jasperoid	MT = 73°F
2:20	180-190	#19 Alluvium - subrded to subang pebbles - 40% jasperoid coated - a trace of ang frags of jasperoid & qtz xls	MT = 73°F
2:35	190-200	#20 same as #19 (no qtz)	MT = 73°F
3:35	200-210	#21 same as #19 (no qtz) trace of ang frags of med. brown aphanitic basaltic andesite	MT = 72°F
4:05	210-220	#22 Alluvium - subrounded to subang pebbles & granules, 40% coated with jasperoid - a trace of ang frags of jasperoid & jasperoid cemented sandst - a trace of ang frags off larger alluvial fraction	MT = 74°F
4:15	220-230	#23 same as #22, with a trace of white quartz sandst.	MT = 75°F
4:55	230-240	#24 same as #22	MT = 71°F
5:05	240-250	#25 Alluvium - subrounded to subang pebbles (35%), granules, (60%), sand (5%) - a trace of ang frags of jasperoid & jasperoid cemented sandst - 30% of material has jasperoid or opaline coatings	MT = 72°F
5:15	250-260	#26 Alluvium subrded to subang. pebbles. 35% having jasperoid coatings - a trace of ang. frags. of jasperoid & jasperoid cemented sandst.	MT = 76°F

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TIME	DEPTH	LITHOLOGY	COMMENTS
5:30	260-270	#27 same as #26 with a trace of white qtz. sandst.	MT = 71°F
5:45	270-280	#28 95% alluvium as in #26 - 5% ang. frags. of med to dark grey & brownish grey aphanitic vesicular basalt?	MT = 77°F - appears to be Malpais Basalt
9:05	280-290	#29 40% subrd. to subang pebbles - 60% ang. frags of med to dark grey & med brown aphanitic vesicular glassy basalt (Malpais basalt) 75-80% of vesicles are lined with jasperoid?- color of the basalt is mottled from grey to brown	MT = 70°F
:20	290-300	#30 95% ang. frags of med brown aphanitic basalt with blotches of dark grey basalt - 5% med to dark grey vesicular aphanitic basalt - 70% of vesicles are lined with jasperoid?	MT = 68°F
10:00	300-310	#31 90% ang frags of med brown aphanitic basalt - 10% med to dark grey vesicular glassy aphanitic basalt - 90% of vesicles are lined with jasperoid?- a trace of iron oxide staining and white qtz sandst (sluff?)	MT = 74°F - Malpais basalt
10:45	310-320	#32 98% med brown aphanitic basalt with blotches of dark grey basalt 2% med to dark grey basalt as in #31 - a trace of alteration of the dark grey vesicular basalt to a cream color - a trace of iron oxide staining - 75%? of vesicles are jasperoid? lined	MT = 73°F

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TIME	DEPTH	LITHOLOGY	COMMENTS
12:00	320-330	#33 60% med brown aphanitic basalt with a trace of yellow blotches (cooling phenomena) and jasperoid? and opal coatings - 40% med to dark grey glassy slightly vesicular basalt - 75-80% of vesicles are jasperoid? lined - some frags show mixture of brown basalt and black glassy basalt and visa versa (40% of chips)	MT = 78°F dark grey basalt brown basalt
12:55	330-340	#34 same as #33 with a trace of iron oxide staining & alteration of black basalt to a cream color	MT = 71°F
2:00	340-350	#35 90% brown basalt as in #33 10% dark grey glassy aphanitic basalt with 1-2% vesicles - 90% of vesicles are jasperoid? lines - trace of opal and jasperoid? coatings (outside vesicles) - trace of iron oxide staining & sluff	MT = 80°F - 1-2% of frags show mixture of grey & brown basalt
3:15	350-360	#36 95% brown basalt as above 5% dark grey basalt as above - trace of jasperoid frags & coatings, iron oxide staining & sluff	MT = 85°F
5:35	360-370	#37 same as #36	MT = 82°F
10:00	370-380	#38 Brown aphanitic basalt with yellow blotches - a trace of black & brown basalt in same fragment - a trace of iron oxide staining & alteration to yellowish cream color	MT = 79°F
11:20	380-390	#39 same as #38 with 1-2% frags of med to dark grey basalt as above	MT = 81°F
2:55	390-400	#40 same as #39	MT = 85°F

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TIME	DEPTH	LITHOLOGY	COMMENTS
9:55	400-410	#41 Med to light brown aphanitic basalt with yellow blotches - a trace of alteration to cream color, jasperoid filling fractures and iron oxide staining - trace of black glassy basalt as before	MT = 81°F
10:43	410-420	#42 Med grey aphanitic basalt, a trace of alteration to a cream color along fractures? - a trace of brown basalt as above - a trace of jasperoid frags and as fracture filling	MT = 85°F
12:45	420-430	#43 same as #42	MT = 86°F

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WELL No. B-27-79 RANGE 41E

TIME	DEPTH	LITHOLOGY	COMMENTS
	5-10	#1 Alluvium - subangular sand (trace) to pebbles - some angular frag. from larger piece which have been broken - some have caliche coating	
	15-20	#2 85% siliceous sinter, 10% ang to subang basaltic andesite, 5% sand cemented with silica	
	25-30	#3 Subang to angular basaltic pebbles	
	35-40	#4 Subrounded to angular sand to pebbles mostly basaltic pebbles little sand	
	45-50	#5 some as #4 with some calcite and silica	
	55-60	#6 Angular fragments of basaltic andesite which has been slightly altered - Tba,? - iron oxide staining present	
	65-70	#7 same as #6	
	75-80	#8 same as #6	
	85-90	#9 same as #6 - trace of siliceous sinter sluff?	
	95-100	#10 ang frags of basaltic andesite slightly altered - some iron oxide staining - mostly Tbl? with a few chips of Tbu and Tbuv sluff?	
	105-110	#11 same as #10 without chips of Tbuv?	
	115-120	#12 same as #11 possibly a little more alteration	
	125-130	#13 same as #12	

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TIME	DEPTH	LITHOLOGY	COMMENTS
	135-140	#14 Angular fragments of basaltic andesite Tbl? - with white chalky looking material, sinter.	
	145-150	#15 Angular frags. of basaltic andesite, Tbl, some with white coatings - a few rounded fragments (sluff?) - iron oxide staining - some alteration of andesite - trace of red jasper	
	150-160	#16 same as #15 no jasper	
	165-170	#17 Angular fragments of basaltic andesite, Tbl - some alteration and iron oxide staining - siliceous sinter possibly fracture fillings	
	175-180	#18 same as #17	
	185-190	#19 same as #17 some of the plag is altered to greenish tinged material - more iron oxide staining	
	195-200	#20 same as #19	
	205-210	#21 Angular frags of basaltic andesite, Tbl, less iron oxide staining than #19 & 20 - very little sinter	
	215-220	#22 same as #21 - with green mineral as #19	
	225-230	#23 same #22	
	235-240	#24 same as #22	

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RANGE 47E

WELL No. B-29-79

TIME	DEPTH	LITHOLOGY		COMMENTS
	0-10	#1	95% grey fine grained basalt-3% cream fine grained lithic calcareous tuff?-2% subrded pebbles.	Mud Temp. = 70°F
	10-20	#2	98% subround to subang pebbles (mostly grey basalt)-2% ang. frags of basalt off larger fraction?-a trace of cream fine grained, lithic, calcareous tuff?	MT = 70°F
	20-30	#3	Subrounded to subang. pebbles with a trace of ang. frags, alluvium.	MT = 70°F
	30-40	#4	Alluvium-subrounded to subang pebbles & a trace of sand-~ 5% ang. frags off larger fraction.	MT = 65°F
	40-50	#5	Alluvium-95% subrded to subang pebbles, a trace of sand & granules - 5% ang. frags.	MT = 68°F
	50-60	#6	Same as #5.	MT = 68°F
	60-70	#7	Alluvium-98% subrounded to subang pebbles-1-2% ang. frags, a trace of sand & granules-a trace of silica (tan) cemented sandst.	MT = 68°F
	70-80	#8	Alluvium-subrded to subang pebbles w/trace of ang. frags sand & granules-trace of silica cemented sandst. as #7.	MT = 68°F
	80-90	#9	Alluvium 95% as above-5% buff silicified? lithic tuff? a trace of qtz sandst. (very hard & clean).	
	90-100	#10	Med. grey diktytaxitic olivine basalt-a trace of alluvium.	MT = 68°F

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TIME	DEPTH	LITHOLOGY	COMMENTS
	100-110	#11 Med. grey to reddish diktytaxitic olivine basalt with a trace of vesicles-a trace of alluvium.	MT = 70°F
	110-120	#12 50% diktytaxitic basalt as above-48% med. grey to brown massive basalt-2% alluvium.	MT = 70°F Poor sample?
	120-130	#13 99% diktytaxitic basalt as above-1% alluvium-a trace of massive basalt as in #12, qtz, chalcedony & iron oxide staining.	MT = 70°F
	130-140	#14 Med. to dark grey perlitic vesicular basalt-a trace of tan waxy to vitreous mineral, tuff & chalcedony.	MT = 70°F Loss circ. material.
	140-150	#15 Med. to dark grey massive basalt with a trace of vesicles -a trace of basalt altered to pale grey to brown-trace of iron oxide staining.	MT = 70°F
	150-160	#16 85% med. to dark grey vesicular basalt, vesicles lined w/red mineral (trace) green to pale blue chalcedony or green to yellow waxy mineral-15% grey massive basalt-a trace of alteration to pale grey of both types-vesicles tend to be elongated.	MT = 70°F Linings < /mm.
	160-170	#17 Med. grey vesicular basalt, vesicles lined w/blue to green chalcedony, or greenish waxy mineral-40% of chips show alteration to pale grey color, especially around vesicles.	MT = 70°F
	170-180	#18 Med. grey basalt as in #16-a trace of alteration.	MT = 70°F Loss circ. material.

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WELL No. B-29-79 RANGE 47E

TIME	DEPTH	LITHOLOGY	COMMENTS
	180-190	#19 Med. grey massive basalt with a trace of vesicles-a trace of basalt altered to pale grey or tan-a trace of tan waxy soft mineral (2-3h).	MT = 72°F
	190-200	#20 Med. brown massive basalt with a trace of yellow blotches-a trace of plate or fracture surfaces, smooth surfaces with iron oxide staining-a trace of chalcedony coatings.	MT = 70°F Malpais basalt.
	200-210	#21 95% brown basalt as in #20-5% med. grey vesicular basalt-a trace of pale tan to grey altered basalt-trace of tan waxy mineral-a trace of plate or fracture surfaces as in #20.	MT = 73°F Loss circ. material
	210-220	#22 Brown massive basalt with a trace of yellow blotches & plate or fracture surfaces as in #20-a trace of grey vesicular basalt-a trace of chalcedony & tan waxy mineral-trace of sluff.	MT = 70°F
	220-230	#23 Same as #22 with no chalcedony, waxy mineral or sluff.	MT = 70°F
	230-240	#24 Med. brown massive basalt with a trace of yellow blotches-a trace of plate or fracture surfaces as above-trace of clay? (drilling mud?).	MT = 72°F
	240-250	#25 Basalt as in #24-a trace of dark grey vesicular basalt, basalt altered to tan color, tan waxy mineral & iron oxide staining.	MT = 70°F
	250-260	#26 Same as #25 with a trace of clay.	MT = 70°F

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WELL No. B-29-79 RANGE 47E

TIME	DEPTH	LITHOLOGY	COMMENTS
	260-270	#27 Brown massive basalt with yellow blotches-a trace of grey vesicular basalt & grey to whitish altered basalt-a trace of plate or fracture surfaces as above-a trace of sluff.	MT = 69°F
	270-280	#28 Same as #27-no sluff, a trace of tan waxy mineral.	MT = 70°F
	280-290	#29 Same as #28 w/trace of black glassy perlitic basalt w/40% of surface covered with iron oxide staining.	MT = 68°F
	290-300	#30 Same as #29.	MT = 66°F
	300-310	#31 95% med. brown massive basalt with yellow blotches-5% med. to dark grey perlitic basaltic andesite-a trace of med. grey vesicular basalt-a trace of basalt altered to pale grey color.	MT = 68°F
	310-320	#32 35% med. brown massive basalt w/yellow blotches-30% med. grey massive basalt (small chips, may be vesicular) 35% med. grey perlitic porphyritic basaltic andesite-a trace of chalcedony.	MT = 68°F
	320-330	#33 75% med. grey perlitic porphyritic basaltic andesite-20% brown massive basalt-5% altered andesite pale grey-a trace of chalcedony, white, and iron oxide staining.	MT = 70°F
	330-340	#34 85% med. brown massive basalt-15% med. grey perlitic porphyritic basalt-a trace of altered basalt & andesite to white or white, grey or tan-a trace of chalcedony.	MT = 70°F

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WELL No. B-29-79 RANGE 475

TIME	DEPTH	LITHOLOGY	COMMENTS
	340-350	#35 85% med brown massive b salt- 10% grey perlitic porphyritic basaltic andesite - 5% grey vesicular bosalt - trace of tan waxy mineral, chalcedory and altered bosalt as in #34	MT = 70°F
	350-360	#36 20% med brown massive basalt - 60% purplish grey brown porphyritic basaltic andesite 20% grey perlitic porphyritic basaltic andesite	MT = 72°F Tbl.
	360-370	#37 90% purplish grey-brown porphyritic basaltic andesite - 5% grey perlitic, porphyritic basaltic andesite - 5% brown massive basalt - trace of iron oxide staining altered andesite & basalt & chalcedony	MT = 64°F
	370-380	#38 Purplish grey porphyritic basaltic andesite - a trace of secondary silica, chalcedony, perlitic porphyritic basaltic andesite & altered (pale grey) andesite	MT = 62°F
	380-390	#39 Same as #38 with some (trace) of sluff	MT = 66°F
	390-400	#40 Grey-brown porphyritic basaltic andesite a trace of chalcedony & iron oxide staining	MT = 63°F
	400-410	#41 Same as #40 with sluff	MT = 69°F
	410-420	#42 Light grey-brown porphyritic basaltic andesite with a trace of alteration to white clay - trace of chalcedony & iron oxide staining	MT = 68°F
	420-430	#43 Same as #42; chips coated with with pale pinkish white clay	MT = 70°F

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RANGE 47E

WELL No. B-29-79

TIME	DEPTH	LITHOLOGY	COMMENTS
	430-440	#44 Purplish-grey brown porphyritic basaltic andesite with a trace of vesicles - trace of grey andesite, chalcedony & iron oxide staining	MT = 70°F
	440-450	#45 Pale greyish brown porphyritic basaltic andesite with a trace of vesicles - a trace of dark to med. grey porphyritic andesite - 2 trace of chalcedony	MT = 70°F
	450-460	#46 Same as #45	MT = 69°F

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WELL No. B-31-79 RANGE 48E

TIME	DEPTH	LITHOLOGY		COMMENTS
9:00	0-10	#1	Alluvium - 95% pebbles, 5% granulars & sand. - 99% of material coated with calcareous and/or siliceous? coatings	
9:20	10-20	#2	Alluvium - same as #1	
9:40	20-30	#3	Alluvium - same as #1 a trace of calcite & sandst. cemented with calcareous & possibly siliceous cement - 60% of material coated	
9:45	30-40	#4	same as #3	
9:50	40-50	#5	Subang to ang. frags of medium grey aphanitic basalt with a trace of vesicles - <1% of material coated as above	Possibly Malpais basalt?
?	50-60	#6	99% ang. frags of medium brown aphanitic massive basalt - 1% sluff - Malpais basalt	
11:00	60-70	#7	Angular frags of medium brown aphanitic basalt with yellow blotches a trace of iron oxide staining & Manganese? staining - Malpais basalt	
11:05	70-80	#8	Ang frags of med to dark grey glassy aphanitic basalt with a trace of vesicles and poorly developed perlitic texture - a trace of altered basalt & brown basalt as above - 99% of the vesicles are coated with yellow to cream or grey blue mineral	Alteration to cream color
11:10	80-90	#9	same as #8 with no brown basalt	
11:12	90-100	#10	Ang frags of med to dark grey glassy apanitic basalt with a trace of vesicles - a trace of alteration to cream color in vesicles & along fractures? vesicles fill as above, a trace of calcite & jasperoid? - some sluff	

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TIME	DEPTH	LITHOLOGY	COMMENTS
11:18	100-110	#11 Subang to ang frags of med to dark grey glassy aphanitic basalt with a trace of vesicles and poorly developed perlitic texture - a trace of qtz. jasperoid & alteration as above - 95% of vesicles lined as above	
11:29	110-120	#12 Ang frags of med grey glassy, aphanitic basalt with a trace of vesicles lined with yellow brown to cream or light grey to blue mineral - a trace of alteration rimming vesicles	
11:27	120-130	#13 Ang to subang frags of med to dark grey, glassy aphanitic basalt with a trace of vesicles 95% of which are elongated or flattened - 50% vesicles are lined as in #12 - a trace of perlitic texture (poor) - a trace of cream or pale grey alteration - a trace of jasperoid?	Malpais basalt
11:31	130-140	#14 Ang frags of med grey glassy, aphanitic vesicular basalt? vesicles are flattened and/or elongated - 75% of vesicles are line as in #12 - a trace of alteration and jasperoid?	
11:37	140-150	#15 40% ang frags of brown aphanitic basalt - 60% ang frags of med to dark grey basalt with a trace of brown blotches - a trace of jasperoid and sluff	
11:45	150-160	#16 Ang frags of brown aphanitic basalt with very rare phenocrysts 1-3 mm long - a trace of vesicles - a trace of grey basalt as above	

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WELL No. E-31-79

TIME	DEPTH	LITHOLOGY	COMMENTS
11:50	160-170	#17 frags of med grey glassy vesicular perlitic basaltic andesite with phenocrysts 1-3 mm - alteration to white color in all chips - a trace of reddish colored phenocrysts: jasperoid	(Tbuv?)
12:30	170-180	#18 (very fine frags) 65% med grey perlitic basaltic andesite with a few phenocrysts - 35% jasperoid & chalcedony	very fine frags makes id difficult. Tbuv?
12:37	180-190	#19 60% med grey perlitic vesicular basaltic andesite - alteration to white sugary material in 75-85% of andesite - 40% jasperoid & chalcedony - a few phenocrysts <1% 1-3mm seen - trace of red spots in andesite	very fine frags makes id difficult
12:40	190-200	#20 60% med grey to yellowish brown perlitic vesicular basaltic andesite and reddish brown aphanitic andesite (altered) 40% jasperoid & chalcedony a trace of 1-3mm phenocrysts	fine frags
12:48	200-210	#21 Subang. to ang. frags of med grey perlitic basaltic andesite with 1-3mm phenocrysts - a trace of brown perlites - a trace of jasperoid and chalcedony	Tbuv
12:55	210-220	#22 25% basaltic andesite as in 21-75% reddish brown massive basaltic andesite with 1-4mm plag. phenocryst & 1-2mm Ti-Fe pheno. a trace of iron oxide staining - Tbu.	
1:00	220-230	#23 Ang frags of reddish brown porphyritic basaltic andesite with phenocrysts of plag, olivine & Ti-fe mineral? - trace of jasperoid & iron oxide staining	

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WELL No. B-31-79

TIME	DEPTH	LITHOLOGY	COMMENTS
1:05	230-240	#24 basaltic andesite as in #23 - trace of iron oxide -	
1:20	240-250	#25 Medium pinkish brown porphyritic basaltic andesite with phenocrysts of plag. olivine & Ti-Fe mineral? - alteration to pink clay mineral - trace of iron oxide staining Tbu.	
1:48	250-260	#26 andesite as in #25 with 75% pale green jasperoid?	Mud temp = 90°F - very fine frags.
1:55	260-270	#27 same as #26 with a trace of pale green jasperoid?	MT = 86°F
2:04	270-280	#28 same as #27	MT=81°F
2:19	280-290	#29 Angular frags of grey-brown porphyritic basaltic andesite with sparse vesicles 75% which are filled with pale yellow-green jasperoid? - phenocrysts 1-4mm of plag & mafics - some glomeromorphs - trace of iron oxide staining and pink clay (alteration)	MT = 89°F (Tbl)
2:30	290-300	#30 Grey-brown basaltic andesite as above with 1-2% vesicles 40% of vesicles filled or lined with yellow - to greenish yellow jasperoid? - trace of iron oxide staining and deutric alteration	MT = 95°F
8:15	300-310	#31 Poor sample - alot of sluff - 60% grey-brown basaltic andesite deutric alteration?	MT = 80°F
8:20	310-320	#32 sluff	MT=80°F
3:10	320-330	#33 Reddish grey brown to yellow grey brown porphyritic basaltic andesite (reddish color appears to be due to alteration of mafics and hematitie stains? -)	85°F Tbl

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WELL No. B-31-79

TIME	DEPTH	LITHOLOGY	COMMENTS
		#33 cont. yellow color tends to be alteration also - 5% alteration to white color rk. - trace of iron oxide staining	
3:52	330-340	#34 basaltic andesite as in #33	MT = 85°F
10:45	340-350	#35 Grey-brown basaltic andesites with glomeromorphs of mafics & plag. - a trace of iron oxide staining & deutric alteration? trace of sluff	MT = 75°F
1:42	350-360	#36 70% basaltic andesite as in #35 30% carmel colored cryptoxlline mineral with hardness of 1-3 almost spongy or waxy	MT = 75°F
2:30	360-370	#37 same as #36 with 85% andesite 15% "carmel mineral"	MT = 80°F
10:45	370-380	#38 95% andesite as above 5% "carmel" mineral	MT = 80°F
11:30	380-390	#39 Grey reddish brown porphyritic glomeromorphic basaltic andesite - a trace of iron oxide staining, green alteration of plag and "carmel" mineral as above	MT = 80°F
2:10	390-400	#40 basaltic andesite as in #39 - a trace of "carmel" mineral & iron oxide staining - one frag of black vesicular basalt? Sluff possibly	MT = 85°F
3:40	400-410	#41 Light greyish brown porphyritic basaltic andesite 30% which is altered to soft whitish color (deutric alteration?) a trace of carmel mineral & iron oxide staining	MT = 85°F

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TIME	DEPTH	LITHOLOGY	COMMENTS
10:15	410-420	#42 50% andesite as in #41 50% "carmel" mineral as above	MT = 84°F = abundance of LCM
11:45	420-430	#43 98% grey to yellowish grey basaltic andesite - 2% "carmel" mineral - a trace of iron oxide staining	MT = 86°F
12:30	430-440	#44 Grey to greyish brown basaltic andesite with pale areas (30%) of alteration - a trace of chalcedony carmel mineral and iron oxide staining	MT = 90°F
1:50	440-450	#45 Grey to brown porphyritic basaltic andesite 60% showing varying degrees of alteration - a trace of carmel mineral & iron oxide staining	MT = 90°F
4:10	450-460	#46 80% basaltic andesite as in #45 20% "carmel mineral" - trace of iron oxide staining	MT = 90°F

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TOWNSHIP 31N

RANGE 48E

WELL No. B-32-79

TIME	DEPTH	LITHOLOGY	COMMENTS
9:42	0-10	#1 Alluvium - subang pebbles of various units, a trace of granules and sand - a trace of caliche & siliceous coatings on <1% of grains - trace of iron oxide staining	MT = 69°F
9:52	10-20	#2 Alluvium -subrounded to subang. pebbles a trace of granules sand & ang frags off larger material - coatings as in #1 - iron oxide staining	MT = 72°F
9:58	20-30	#3 98% ang frags of medium grey aphanitic some what glassy vesicular basalt - vesicles are elongated lined or filled with tan silica, pale green-yellow material - basalt around vesicles is altered to buff color for ∿0.5mm a few (trace) are completely altered to buff color - a trace of siliceous frags (sinter?) and iron oxide staining - 2% alluvium	MT = 72°F
10:00	30-40	#4 95% ang. frags as in #3 - 80% of frags show alteration as above - 2% opal & opaline material - 3% alluvium	MT = 75°F Malpais basalt
10:12	40-50	#5 85% ang frags of basalt as #3 40-50% are partially or completely altered to buff color - 15% opal and chalcedony & other silica minerals (contaminated chalcedony? soft)	MT = 73°F - Malpais basalt
10:15	50-60	#6 40% angular frags of jasperoid? (silica) tan to white in color a trace of silica breccia; 30% ang basalt frags as in #5 - 30% ang frags of grey porphyritic, glassy, a trace of vesicles and perlitic texture basaltic andesite (Tbuv ?) a trace of opal	MT = 75°F

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TIME	DEPTH	LITHOLOGY	COMMENTS
10:21	60-70	#7 40% med grey glassy porphyritic basaltic andesite with a trace of vesicles and perlitic texture - phenos 1-3mm. - 40% altered andesite, alteration is to white grey or buff color to chip - 15% reddish grey brown porphyritic vesicular basaltic andesite (Tbu?) 5% opal and silica	MT = 75°F
10:26	70-80	#8 85% med grey glassy, perl, porp, basaltic andesite (phenos tend to be glomeromorphic) a trace of vesicles and a trace of red alteration of plag phenos and some mafics - 8% reddish andesite as above with a trace of vesicles - 7% opal and silica	MT = 75°F (perl = perlitic porp = porphyritic
10:28	80-90	#9 70% med grey basaltic andesite as in #8 - 10% basaltic andesite altered to white or buff color 20% silica, a trace of opal & Chalcedony - trace of reddish andesite as in #8	MT = 75°F
10:31	90-100	#10 40% grey basaltic andesite as in #8, 40% reddish brown andesite as in #8, 10% altered andesite as in #9, 10% silica	MT = 77°F
10:34	100-110	#11 40% med grey glassy porphyritic vesicular perlitic basaltic andesite 35% med brown, slightly vesicular, porphyritic basaltic andesite, 5% basaltic andesite altered to buff color - 20% silica, trace of qtz (terminated xls <1mm) and opal.	MT = 80°F
10:41	110-120	#12 20% med grey glassy, porphyritic perlitic andesite 75% med reddish brown porphyritic basaltic andesite (Tbu) with a trace of vesicles - 4% silica - 1% qtz xls as in #11 - a trace of iron oxide staining	MT = 82°F

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TIME	DEPTH	LITHOLOGY	COMMENTS
10:45	120-130	#13 Reddish grey brown, porphyritic basaltic andesite (Tbu) - a trace of Tbuv, qtz xls (drusy) & silica - trace of iron oxide staining	MT = 83°F
13:22	130-140	#14 same as #13 with a trace of very altered pale yellow vesicular basaltic andesite	MT = 90°F
14:40	140-150	#15 Reddish grey brown porphyritic basaltic andesite at times is glomeromorphic - a trace of iron oxide staining - evidence for fractures or plates, smooth surfaces with iron oxide staining - a trace of qtz	MT = 92°F some loss in circ. material Tbu
15:45	150-160	#16 same as #15 with a trace of Tbuv no qtz.	MT = 100°F
16:27	160-170	#17 same as #15 with a trace of altered andesite, white in color - no qtz - a trace of silica yellow green cryptoxilline	MT = 104°F
16:47	170-180	#18 Reddish grey brown basaltic andesite as above - alteration of plag to clay (trace only) iron oxidation of FeMgs? a trace of jasperoid	MT = 115°F Tbu
9:35	180-190	#19 Reddish grey brown to grey brown porphyritic sparsely vesicular basaltic andesite - vesicles trend to be lined with chalcedony and zeolite stilbite? - trace of iron oxide staining and alteration to buff color especially around vesicles - trace of chunks of drusy quartz	MT = 80°F Tbl.

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WELL No. B-32-79 RANGE _____

TIME	DEPTH	LITHOLOGY	COMMENTS
9:53	190-200	#20 Reddish brown porphyritic slightly vesicular basaltic andesite - phenocryst tend to be glomeromorphic - vesicles lined with silica (chalcedony?) and zeolite? as above - a trace of iron oxide staining alteration of plag. to clay. Tbuv sluff? - a trace of jasperoid? frags	MT = 83°F Tbl
10:15	200-210	#21 same as #20 with no sluff	MT = 91°F
10:40	210-220	#22 Greyish brown porphyritic basaltic andesite with a trace of vesicles lined as above - a trace of iron oxide staining	MT = 100°F
11:04	220-230	#23 same as #22	MT = 102°F - loss circ. material
11:29	230-240	#24 same as #23 with a trace of sluff	MT = 105°F
12:17	240-250	#25 Greyish brown porphyritic basaltic andesite with a trace of vesicles lined as before - a trace of iron oxide staining, alteration to clay of plag. and ang. frags of jasperoid?	MT = 104°F
12:45	250-260	#26 Light greyish brown porp. basaltic andesite - a trace of alteration wo whitish color, iron oxide staining - very slight trace of vesicles lined as above (Tbl)	MT = 97°F - loss cir. material
13:13	260-270	#27 same as #26 with a trace of ang frags of jasperoid and very altered basalt or andesite from above sluff?	MT = 100°F
13:57	270-280	#28 same as #26 no sluff	MT = 100°F
14:30	280-290	#29 Med grey-brown porphyritic basaltic andesite, phenocryst mostly plag. - trace of ang frags of jasperoid, iron oxide staining and clay alteration.	MT = 97°F - loss circ. material

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WELL No. B-32-79 RANGE _____

TIME	DEPTH	LITHOLOGY	COMMENTS
16:12	290-300	#30 same as #29 with a fracture filled with chalcedony	MT = 101°F
16:40	300-310	#31 med grey-brown porphyritic basal. andesite - a trace with very dense aphanitic ground mass - a trace of iron oxide staining Clay alteration and jasperoid frags.	MT=104°F
17:06	310-320	#32 Med grey-brown porphyritic basaltic andesite with 1% alteration to clay - a trace of iron oxide staining	MT = 108°F loss circ. materia
9:56	320-330	#33 same as #32	MT = 104°F loss circ. material
10:45	330-340	#34 same as #33	MT = 108°F
11:40	340-350	#35 basaltic andesite as above - 2-4% alteration to clay - trace of iron oxide staining	MT = 99°F
12:35	350-360	#36 same as #35 with ∿ 5% of frags showing iron oxide staining	MT = 97°F
13:05	360-370	#37 Mad brown-grey porphyritic basalt-andesite with a trace of clay alteration and 1-2% iron oxide staining	MT = 100°F
14:20	370-380	#38 Med grey-brown porphyritic basaltic andesite with a trace of clay alteration and iron oxide staining	MT = 100°F
14:35	380-390	#39 75% med grey-brown basaltic andesite as above - 25% brown porphyritic basaltic andesite with an aphanitic ground mass tends to show more alteration of phenocryst to clay - trace of iron oxide staining and clay alteration	MT = 104°F
15:00	390-400	#40 98% grey brown porphyritic basaltic andesite with 30% showing	MT = 107°F

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WELL No. B-32-79

TIME	DEPTH	LITHOLOGY	COMMENTS
		#40 (cont...) alteration to light grey to white color - 2% brown basaltic andesite as in #39, a trace of clay alteration and iron oxide staining	
15:10	400-410	#41 Greyish-brown porphyritic basaltic andesite (sugary textured groundmass) 20% show alteration to white color - a trace of iron oxide staining, jasperoid? and alteration of plag to clay	MT = 108°F
15:25	410-420	#42 same as #41 with a trace of chalcedony fracture filling	MT = 107°F
15:45	420-430	#43 same as #41 - 2-4% iron oxide staining	MT = 102°F
16:05	430-440	#44 Grey-brown porphyritic basaltic andesite (ground mass sugary texture) 10% alteration of plag. phenos. to clay - 20% iron oxide stained frags - a trace of alteration of ground mass to white color	MT = 105°F
16:32	440-450	#45 same as #44	MT = 107°F
17:00	450-460	#46 Grey-brown basaltic andesite as above - 5% of plag is altered to clay 5% iron oxide staining - a trace of alteration of groundmass to white color	MT = 106°F
17:15	460-470	#47 same as #46 with a trace of jasperoid? frags.	MT = 110°F
17:40	470-480	#48 same as #47	MT = 100°F
18:07	480-490	#49 same as #47 with a trace of chalcedony	MT = 111°F
18:20	490-500	#50 same as #46	MT = 112°F

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TOWNSHIP 31N

RANGE 48E

WELL No. B-33-79

TIME	DEPTH	LITHOLOGY	COMMENTS
	0-10	#1 Medium to dark brown massive porphyritic basaltic andesite plag. phenocryst up to 4mm long- a trace of qtz, chalcedony & iron oxide staining	Drilled w/air Tbu
	10-20	#2 Same as #1 phenocryst tend to be glomeromorphic	
	20-30	#3 Same as #2	
	30-40	#4 Same as #2 with a trace of dark grey to black perlitic porphyritic basaltic andesite	
	40-50	#5 Grey to purplish-brown-grey, porphyritic vesicular basaltic andesite - a trace of vesicles lined with qtz with alleration rims around vesicles of white to pale grey color - a trace of grey perlitic andesite & massive brown andesite - a trace of qtz xls & chalcedony	
	50-60	#6 40% brown porphyritic basaltic andesite (Tbu) 60% grey to grey-purplish brown porphyritic vesicular basaltic andesite (Tbl) a trace of grey perlitic andesite qtz fracture fillings, chalce-dony & iron oxide staining	
	60-70	#7 Brown porphyritic basaltic andesite as in #2 - a trace of qtz chalcedony, iron oxide staining & jasperoid?	Tbu?
	70-80	#8 50% Brown andesite as in #7 - 50% brown to grey porphyritic vesicular basaltic andesite - vesicles line w/qtz - trace of iron oxide staining qtz, jasperoid - trace of Tbuv	

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WELL No. B-33-79 RANGE 48E

TIME	DEPTH	LITHOLOGY	COMMENTS
	80-90	#9 Purplish brown porphyritic vesicular basaltic andesite vesicles lined w/pale yellow on chalcedony - a trace of iron oxide staining, qtz, & zeolite?	
	90-100	#10 Same as #9	
	100-110	#11 Brown porphyritic vesicular basaltic andesite with clay alteration of plag in 5% of phenocrysts - visicles lined with qtz or chalcedony	
	110-120	#12 Same as #11 trace of iron oxide staining	
	120-130	#13 Med purplish grey-brown porphyritic basaltic andesite with a trace of alteration to buff or white color - a trace of iron oxide staining, qtz & chalcedony	
	130-140	#14 Same as #13	
	140-150	#15 Med purplish grey brown to yellow brown porphyrite basaltic andesite - with a trace of iron oxide staining qtz & calcite	Tbl?
	150-160	#16 Med purple brown to yellow brown porphyritic basaltic andesite - with a trace of qtz, calcite, chalcedony & iron oxide staining	
	160-170	#17 Same as #16	
	170-180	#18 Same as #16 with a trace of alteration to pale grey color of the andesite	
	180-190	#19 60% red-brown to orange brown jasperoid with trace of drusy qtz or very altered andesite 40% basaltic andesite as in #16 trace of qtz & calcite	

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CHEVRON RESOURCES COMPANY

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TIME	DEPTH	LITHOLOGY	COMMENTS
	190-200	#20 45% blood red to red brown jasperoid - 10% jasperoid breccia with calcite & qtz - 35% calcite - a trace of basaltic andesite	jasperoid may actually be very altered selicified andesite - T/S will determine

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TIME	DEPTH	LITHOLOGY	COMMENTS
13:15	0-10	#1 Medium brown aphanite basalt w/ yellow splotches - a trace of calcite & 2nd silica	Mud temp = 81°F *malpais basalt*
13:50	10-20	#2 Medium brown aphanitic basalt w/ yellow blotches - 2 trace of iron & manganese oxide staining - a trace of platiness or fractures, flat surfaces with an abundance of iron or manganese oxide	MT = 82°F Malpais basalt
14:15	20-30	#3 Same as #2 w/a trace of calcite some in fractures phenocrysts & alteration to pale yellow color	Drilled w/air
45	30-40	#4 Same as #3	Drilled w/air
14:55	40-50	#5 50% med brown aphanitic basalt w/yellow blotches & a trace of vesicles a trace of ateration to pale yellow color 25% dark grey, glassy, perlitic aphanitic, vesicular basalt vesicles tend to be filled w/ opaline material or lined - a trace of alteration to pale grey or buff color 5% black glassy vitrophyric basalt? 25% buff lithic tuff? Composed of sand sized frags of rock glass & pumice a trace of chalcedony and Tbuv?	
15:04	50-60	#6 5% med brown basalt as in #5 93% dark grey vesicular basalt as in #5 2% tuff? as in #5 a trace of chalcedony & opal as fracture & visicle fillings	Drilled w/air
20	60-70	#7 92% med brown aphanitic basalt w/yellow blotches & a trace of vesicles-vesicular chips tend (a trace) to alter to pale grey or buff color - vesicles coated or filled w/chalcedony & opal	Drilled w/air

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TIME	DEPTH		LITHOLOGY	COMMENTS
			8% black to med grey perlitic, glassy aphanitic basalt with a trace of vesicles - vesicles h have a trace of opal & chalcedony - a trace of frags of chalcedony, jasperoid? & iron oxide staining.	
15:45	70-80	#8	Med brown basalt with a trace of vesicles & yellow blotches a trace of fracture or plate surfaces stained w/iron oxide - a trace of dark grey perlitic glassy basalt.	drilled w/air - Malpais
16:04	80-90	#9	Same as #8 w/a trace of calcite-black basalt shows red-brown alteration around vesicles (1mm)	drilled w/air
16:30	80-100	#10	Same as #8 with a trace of calcite & chalcedony	drilled w/air
9:55	100-110	#11	Med brown to greyish-brown aphanite basalt w/a trace of dark grey basalt-ang. frags of chalcedony & jasperoid - 25% of brown to greyish brown basalt altered to tan or pale yellow color	drilled/with air
10:20	110-120	#12	Same as #11 with a slight trace phenocryst in the basalt	drilled w/air
10:38	120-130	#13	Same as #12 a trace of iron oxide staining & fracture or plate surfaces - 10% of chips show alteration as above.	drilled w/air
10:55	130-140	#14	Medium greyish brown basalt w/ a slight trace of phenocrysts a trace of iron oxide staining, fracture or plate surfaces, black visicular glassy basalt 5% of chips altered to pale yellow color.	drilled w/air

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TIME	DEPTH	LITHOLOGY	COMMENTS
11:10	140-150	#15 Med grey brown basalt with a t trace of vesicles filled w/ chalcedony? & a slight trace of phenocrysts - a trace of fracture or plate surfaces w/ iron oxide staining & trace of alteration to pale yellow color	Drilled w/air
11:20	150-160	#16 Med grey brown basalt - a trace of fracture or plate surfaces coated with iron oxide staining & chalcedony & alteration as above.	Drilled w/air
11:48	160-170	#17 Med grey brown basalt as in #16 a trace of yellow blotches, phenocrysts, iron oxide staining alteration to pale yellow color & plate or fracture surfaces	Drilled w/air
12:05	170-180	#18 Same as #17 with a trace of brown aphanitic vesicular basalt	Drilled w/air
12:25	180-190	#19 Same as #17	Drilled w/air
12:50	190-200	#20 Same as #17	Drilled w/air
13:03	200-210	#21 Same as #17	Drilled w/air
13:17	210-220	#22 Med grey-brown neatly aphanite basalt (phenos rare) a trace of yellow blotches, iron oxide staining & ang frags of jasperoid	Drilled w/air
13:40	220-230	#23 Med grey-brown basalt as in #22 a trace of phenocrysts - a trace of qtz & chalcedony & alteration to buff color	Drilled w/air
14:40	230-240	#24 same as 23	Drilled w/air
15:00	240-250	#25 Med grey-brown basalt with a trace of phenocrysts - a trace of fracture or plate surface stained w/iron oxide, a trace of qtz & chalcedony & alteration to buff color	Drilled w/air

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TIME	DEPTH	LITHOLOGY	COMMENTS
15:05	250-260	#26 60% buff to brick red lithic vitric tuff, buff tuff very punky-20% brown basalt as in #25 20% med grey to black perlitic amygdaloidal porphyritic basaltic andesite - amygdules consist of chalcedony a trace of ang frags of jasperoid & chalcedony - grey to black andesite shows a trace of alteration around amygdules (<1mm)	Drilled w/air grey basaltic andesite Tbuv alteration consists of grey (light) color
15:15	260-270	#27 90% dark grey to black perlitic porphyritic basaltic andesite w/ a trace of alteration to buff color. 10% whitish-cream lithic vitric tuff a trace of brown basalt & jasperoid frags	Drilled w/air
15:20	270-280	#28 Med grey perlitic porphyritic basaltic andesite w/a trace of fractures andesite is altered along these fractures - phenocryst pinkish - a trace of tuff# drusy qtz along fracture	Air - andesite altered to buff color
15:42	280-290	#29 Same as #28 no qtz, hematite? along a trace of fractures	Fractures minute <0.1mm
15:48	290-300	#30 75% med grey perlitic, porphyritic basaltic andesite w/trace of fractures filled w/ chalcedony, a trace of alteration along fractures to white color 25% red brown porphyritic basalt andesite with aphanitic ground mass phenocryst tend to be glomeroporphic a/trace of tuff as above and andesite breccia (very altered to white color)	
:16	300-310	#31 50% med grey andesite as in #30 45% red-brown andesite as in #30 5% white fine grained tuff - a trace of drusy qtz in tuff voids a trace of chips totally altered to white color-trace ofchalcedony	

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TIME	DEPTH	LITHOLOGY	COMMENTS
16:26	310-320	#32 60% med grey porphyritic basaltic andesite with an almost waxy luster, aphanitic ground mass w/pink phenocrysts - a trace of round blobs of red-brown andesite within grey andesite - a trace of alteration to white color 40% red brown porphyritic glomeromorphic basaltic andesite w/aphanitic ground mass - a trace of silica alteration, chips appear glossy, fractured red to yellow brown in color	
16:37	320-330	#33 55% red-brown porphyritic glomeromorphic basaltic andesite w/aphanitic ground mass - 45% med grey porphyritic basaltic andesite w/pinkish red phenocrysts & a trace of blobs (rounded) of red-brown andesite a trace of grey andesite has been altered to pale grey or white color, phenocrysts in altered andesite do not appear altered - a trace of chalcedony	
16:50	330-340	#34 85% med to dark grey basaltic andesite as in #33 - 15% red brown andesite as in #33 - alteration as in #33 trace of chalcedony & opal as fracture fillings & coatings on chips	
17:00	340-350	#35 35% med to dark grey andesite as above 35% red brown andesite as above - 30% altered andesite, the alteration is to a white, light buff or yellow green color, fractures filled w/ chalcedony common in altered rk. - trace of silica alteration of brown andesite, altered rk is yellow brown & glossy	

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TIME	DEPTH	LITHOLOGY	COMMENTS
8:45	350-360	#36 Dark grey slightly perlitic porphyritic basaltic andesite a trace of brown basaltic andesite as in #35 & altered andesite as above a trace of chalcedony	
9:12	360-370	#37 60% brown porphyritic basaltic andesite as above 37% dark grey to black slightly perlitic porphyritic basaltic andesite 3% altered andesite as above (#35) a trace of chalcedony	
9:25	370-380	#38 70% white grey or greenish white altered basaltic andesite w/an abundance of silicification w/very fine fractures sealed w/silica - 25% dark grey perlitic basaltic andesite. 5% brown massive porphyritic basaltic andesite - a trace of qtz crystals, fracture fillings	
9:32	380-390	#39 White to greyish white altered basaltic andesite w/abundance of qtz & chalcedony within basaltic andesite - 50% - 60% of penocrysts not altered (appear unaltered w/binocular scope - a trace of unaltered grey & brown andesite as above	
9:38	390-400	#40 55% altered andesite as in #39 45% med grey porphyritic basaltic andesite w/poor perlitic texture - a trace of ang frags of qtz & chalcedony	
9:46	400-410	#41 60% greyish white to white altered andesite w/varing amts of silicification 40% med grey andesite as in #40 - a trace of drusy qtz on altered andesite ang frags of chalcedony 1-6 mm	

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TIME	DEPTH	LITHOLOGY	COMMENTS
9:52	410-420	#42 95% white to greyish white altered basaltic andesite, partial silicia alteration (silicified) a trace of qtz (drusy) & chalcedony in altered rk 5% pale grey to med grey partially altered porphyritic basaltic andesite, more altered areas are found around vesicles? or fractures	
9:58	420-430	#43 60% altered andesite as in #42 w/pink to pale blue waxy mineral hardness of 2.5 lining voids 40% med grey perlitic porphyritic basaltic andesite with a trace of alteration to pale grey perlitic porphyritic basaltic andesite with a trace of alteration to pale grey color	Voids may be vesicles or solution cavities
10:07	430-440	#44 85% buff to white altered basaltic andesite (clay alteration?) - voids lined w/pale blue to yellow green waxy, soft mineral 15% grey perlitic porphyritic basaltic andesite w/a trace of alteration around voids - a trace of qtz & chalcedony	
10:19	440-450	#45 75% altered andesite as in #44 25% grey andesite as in #44 a trace of ang frags of green waxy mineral, drusy qtz & chalcedony	
10:42	450-460	#46 90% med to dark grey perlitic porphyritic basaltic andesite w/pink to pinkish brown phenocryst, a trace of round blobs of brown aphanitic basaltic andesite - a trace of ang frags of porphyritic basaltic andesite 10% altered basaltic andesite as in #45 - a trace of qtz & chalcedony	

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TIME	DEPTH	LITHOLOGY	COMMENTS
11:05	460-470	#47 90% red-brown porphyritic basaltic andesite 10% grey basaltic andesite as in #46, a trace of altered andesite as in #45, green waxy mineral	
11:42	470-480	#48 Same as #47	
12:17	480-490	#49 Red-brown porphyritic basaltic andesite w/nearly aphanitic ground mass - a trace of andesite altered to white or cream color - a trace of grey porphyritic andesite w/trace of brown blobs & perlitic texture trace of green waxy mineral	
3:22	490-500	#50 Med grey slightly glassy perlitic porphyritic basaltic andesite & brown porphyritic basaltic andesite with nearly aphanitic ground mass - brown andesite appears as blobs in grey andesite - a trace of obsidian inclusions in grey andesite - trace of altered andesite & chalcedony	

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RANGE 48E'

WELL No. B-37-79

TIME	DEPTH	LITHOLOGY	COMMENTS
	0-10	#1 Brown-grey vesicular basalt w/ vesicles lined with chalcedony & a trace of calcite, a trace of alteration rims around vesicles (altered basalt cream color) a trace of iron oxide staining & caliche	Mud temp = 75°F Malpais basalt Chalcedony pale green, yellow or clear
	10-20	#2 Basalt as in #1 with only a trace of the vesicles lined as in #1 - cream color alteration very rare	MT -76°F
	20-30	#3 Med brown vesicular basalt - 50% of vesicles lined w/chalcedony? (green to amber amorphous mineral) a trace of alteration of basalt to cream color rims (1mm) around vesicles - a trace of qtz xls in vesicles	MT-77°F
	30-40	#4 Med brown, yellow blotchy basalt w/a trace of vesicles a trace of alteration rims as in #3 a trace of iron oxide staining & vesicles linings of chalcedony	MT = 76°F
	40-50	#5 Same as #4 with no vesicles	MT = 80°F
	50-60	#6 Med brown, yellow blotchy basalt with rare vesicles - a trace of alteration of basalt to cream color - trace of iron oxide staining & manganese coatings	MT = 80°F
	60-70	#7 Same as #6 however yellow blotches are very small 0.1mm in diameter a trace of plate or fracture planes (smooth surfaces with iron oxide & manganese staining)	
	70-80	#8 No returns	

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TIME	DEPTH		LITHOLOGY	COMMENTS
	80-90	#9	Dark grey to black glassy vesicular basalt - a trace of alteration to cream color around vesicles filled with apple green waxy mineral (contaminated chalcedony?) a trace of brown vesicular basalt w/trace of yellow blotches	MT = 82°F
	90-100	#10	Same as #9 with slightly more altered basalt (still 1%) a trace of iron oxide staining	MT = 82°F some loss circ. material
	100-110	#11	Dark grey to black glassy, vesicular basalt with vesicles lined w/chalcedony (pale blue to clear) a trace of cream colored basalt (altered) usually around vesicles & along fractures	
	110-140		No returns	
	140-150	#15	75% med grey perlitic porphyritic basaltic andesite (Tbuv) w/a trace of vesicles, vescles lined w/chalcedony 25% med grey nearly aphanitic basaltic andesite - a trace of iron oxide staining & clay	No Mud Temp.
	150-160	#16	96% light to med grey perlitic vesicular porphyritic basaltic andesite - 1-2% basaltic andesite altered to blue-grey white or tan - 1-2% silica? Cemented sandst. - a trace of iron oxide staining & chalcedony	(T/S of s.s.)
	160-170	#17	Med grey slightly perlitic basaltic andesite with a trace of vesicles lined with chalcedony - a trace of silica cemented sandst., suite clay coating chips - trace of calcite	

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TIME	DEPTH	LITHOLOGY	COMMENTS
	170-180	#18 Med grey perlitic vesicular porphyritic basaltic andesite w/chalcedony lining vesicles - a trace of silica cemented sandst, malpais basalt (brown) (sluff) - calcite & iron oxide staining - trace of alteration of andesite to pale grey color	
	180-190	#19 Brown massive porphyritic basaltic andesite, phenocrysts tend to form glomeromorphs - a trace of grey andesite as in #18	Tbu
	190-200	#20 Same as #19	
	200-210	#21 Same as #19 with few glomeromorphs	
	210-220	#22 Med brown massive porphyritic basaltic andesite - a trace of grey perlitic basaltic andesite, andesite altered to buff color, iron oxide staining & fracture or plate surfaces in brown andesite	
	220-230	#23 Light brown vesicular, porphyritic basaltic andesite with ground mass tending to show sugary texture as oppose to massive aphanitic texture of Tbu-vesicles tend to be lined w/chalcedony or yellow xls (unknown) - a trace of andesite altered to buff color, perlitic andesite as above & iron oxide staining	Tbl
	230-240	#24 90% brown porphyritic basaltic andesite with a trace of vesicles "sugary" ground mass - 10% calcite a trace of perlitic andesite as above - a trace of andesite altered to buff color - trace of iron oxide staining	

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TIME	DEPTH	LITHOLOGY	COMMENTS
	240-250	No Returns	
	250-260	#26 Purplish grey porphyritic basaltic andesite w/poorly developed perlites w/clay rims - 60% of chips show some buff colored alteration - a trace of chalcedony clay & qtz	
	270-290	No Returns	
	290-300	#30 95% pale grey to pale brown porphyritic basaltic andesite w/ a trace of vesicles & poor perlitic texture - vesicles lined with chalcedony 5% dark to med grey perlitic, vesicular porphyritic basaltic andesite trace of iron oxide stain, qtz & chalcedony	Tbl
	300-600	No Returns	
	600-610	#61 Very poor sample - 99% buff colored clay - 1% andesite frags	Samples true depth? not easy to identify
	620-740	No Returns	

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TIME	DEPTH	LITHOLOGY	COMMENTS
10:00	0-10	#1 Dark brown to dark greyish brown porphyritic basaltic andesite with aphanitic ground mass (Tbu)-a trace of chalcedony, iron oxide staining & white soft (3h) mineral.	Hole drilled w/air No mud temps.
10:20	10-20	#2 Reddish brown porphyritic glomeromorphic basaltic andesite with aphanitic ground mass-a trace of dark grey porphyritic basaltic andesite-a trace of iron oxide & manganese oxide staining.	
10:45	20-30	#3 85% purplish grey porphyritic basaltic andesite 10% iron oxide stained calcite-5% qtz & chalcedony-a trace of iron oxide stained tuff?	Sugary ground mass.- Tbl?
10:55	30-40	#4 95% purplish grey porphyritic basaltic andesite with a trace of vesicles-5% iron oxide stained calcite w/chalcedony-a trace of tuff-a trace of red staining (spots) hematite?	
11:30	40-50	#5 Purplish grey porphyritic vesicular basaltic andesite-vesicles lined w/chalcedony-a trace of red spots as in #4-trace of pink clay.	
11:45	50-60	#6 Same as #5 with iron oxide staining (yellowish in color).	
12:05	60-70	#7 Same as #6.	
12:25	70-80	#8 90% dark purplish grey porphyritic, vesicular basaltic andesite, vesicles lined w/blue, yellow or pale green chalcedony-10% silicified calcareous lithic tuff? a trace of ang. frags of chalcedony.	

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TIME	DEPTH	LITHOLOGY	COMMENTS
12:47	80-90	#9 Greyish purplish porphyritic basaltic andesite with spares vesicles 1-3 mm in diameter-a trace of "chalky" calcite with clay (dissolves in HCl except whitish residue clay)-a trace of iron oxide staining.	Vesicles lined w/chalcedony.
1:20	90-100	#10 Same as #9 with a trace of tuff?	
2:05	100-110	#11 Grey brown to yellow brown porphyritic basaltic andesite with sparse vesicles lined w/chalcedony-a trace of pale grey silicified tuff?-a trace or iron oxide staining, andesite altered to white or grey clay, pale yellow tuff and calcite.	
2:55	110-120	#12 60% dark grey to black glassy porphyritic basaltic andesite with "amoeboid" shaped inclusions of brownish andesite. 40% grey-brown porphyritic basaltic andesite with sparse vesicles lined w/chalcedony-a trace of clay alteration (pink clay).	Black andesite tends to have small very sparse vesicles lined with chalcedony.
4:25	120-130	#13 75% grey-brown andesite as in #12-25% black to grey andesite as in #12-trace of clay, alteration in black to grey andesite, clay is pink.	
9:38	130-140	#14 Pinkish grey-brown porphyritic basaltic andesite with only a slight trace of vesicles-a trace of iron oxide staining & clay alteration.	
0:40	140-150	#15 Light pinkish grey porphyritic basaltic andesite with a trace of iron oxide staining & clay alteration.	

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TIME	DEPTH	LITHOLOGY	COMMENTS
12:00	150-160	#16 Brownish grey porphyritic basaltic andesite-a trace of iron oxide & clay alteration.	
12:55	160-170	#17 Same as #16 with a trace of ang. frags of calcite.	
1:30	170-180	#18 Same as #17.	
2:35	180-190	#19 Light brownish grey porphyritic basaltic andesite-a trace of iron oxide staining & clay alteration.	
3:05	190-200	#20 Purplish grey-brown porphyritic basaltic andesite-a trace of iron oxide staining, clay alteration & ang. frags of chalcedony.	
10:05	200-210	#21 Same as #20 with no chalcedony & a trace of manganese oxide staining.	
10:50	210-220	#22 Purplish grey brown & yellowish brown porphyritic basaltic andesite-a trace of clay alteration & iron oxide staining.	
11:55	220-230	#23 Andesite as in #22-a trace of grey & whitish tuff-a trace of black aphanitic basaltic andesite?-a trace of iron oxide staining & clay alteration.	
1:35	230-240	#24 Med. grey porphyritic basaltic andesite-with clay alteration & iron oxide staining.	
2:00	240-250	#25 Pinkish grey, grey & grey brown porphyritic basaltic andesite-a trace of iron oxide staining & clay alteration.	
2:20	250-260	#26 Same as #25 with a trace of calcite.	

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TIME	DEPTH	LITHOLOGY	COMMENTS
2:45	260-270	#27 Pinkish grey porphyritic basaltic andesite- ~ 1% alteration of andesite to white color-trace of pinkish clay & iron oxide staining.	
3:05	270-280	#28 50% pinkish grey porphyritic basaltic andesite with ~ 1% altered to white color-50% yellow brown porphyritic basaltic andesite color caused by iron oxide staining?	
3:30	280-290	#29 Pinkish grey porphyritic basaltic andesite-a trace of yellow brown porphyritic basaltic andesite, white altered andesite-a trace of calcite, manganese oxide & iron oxide staining.	
4:10	290-300	#30 Same as #29.	
4:40	300-310	#31 Same as #29 with a trace of pink clay.	
5:10	310-320	#32 85% pinkish grey porphyritic basaltic andesite-15% yellow brown porphyritic basaltic andesite (color due to iron oxide staining?) a trace of black to grey glassy basaltic andesite? inclusions in pinkish grey andesite.	
9:05	320-330	#33 Pinkish grey porphyritic basaltic andesite w/a trace of pink clay, iron oxide staining, inclusions of grey to black andesite & qtz frags.	
9:35	330-340	#34 Pinkish brown porphyritic basaltic andesite-a trace of iron oxide staining, pink clay & chalcedony.	

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TIME	DEPTH	LITHOLOGY	COMMENTS
10:10	340-350	#35 Pinkish grey to pinkish brown porphyritic basaltic andesite-trace of iron oxide staining, andesite altered to white color.	
10:45	350-360	#36 Grey porphyritic basaltic andesite with traces of pinkish-brown, grey & yellow-brown andesite-a trace of altered basaltic andesite, clay & iron oxide staining.	
11:20	360-370	#37 Pinkish grey porphyritic basaltic andesite with ~ 1% altered andesite to white color-trace of clay & iron oxide staining.	
12:00	370-380	#38 Same as #37 with a trace of yellow green waxy mineral.	
12:30	380-390	#39 Med. grey porphyritic basaltic andesite-a trace of iron oxide staining & calcite.	
12:55	390-400	#40 60% grey basaltic andesite as in #39. 30% brown porphyritic basaltic andesite (iron oxide stained) 10% pinkish grey basaltic andesite as in #37-a trace of andesite altered to white-trace of calcite.	
1:30	400-410	#41 Med. grey porphyritic basaltic andesite-a trace of andesite altered to white-trace of iron oxide staining & calcite.	
2:25	410-420	#42 Med. to dark grey porphyritic basaltic andesite-a trace of altered andesite, grey & brown andesite calcite & iron oxide staining.	Similar to #39.

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TIME	DEPTH	LITHOLOGY	COMMENTS
	5-10	#1 Alluvium - subrded to subang pebbles from 6mm to 30 mm of various composition; a few less than 1% have opaline coatings	
	15-20	#2 Alluvium as above with some granules mostly 99% pebbles	
	25-30	#3 Brown w/yellow blotches basalt - Malpais, some iron oxide staining on frags.	Malpais
	35-40	#4 Same as #3 with Manganese oxide on some frags	
	45-50	#5 Same as #4, Malpais	
	55-60	#6 Ang frags of brown basalt - w/ yellow blotches (malpais) MnO_2 & FeO_2 staining	
	65-70	#7 98% brown basalt w/2% ang frags of dark grey glassy, some times altered to white basaltic (trace)	
	75-80	#8 75% dark grey, glassy vesicular & some times, perlitic basalt, (malpais), a trace altered to tan or very light grey - many of the vesicles have opal coatings, some pale green some (a trace) vesicles are filled w/clear quartz iron oxide staining on some grains - 15% brown Malpais	
	85-90	#9 As above, some less than 1% is reddish brown	
	95-100	#10 98% dark grey glassy perlitic sometimes vesicular basaltic andesite w/red perlites a trace of opal - andesite is altered in some places 2% Malpais basalt	Tbuv

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TIME	DEPTH	LITHOLOGY	COMMENTS
	105-110	#11 50% dark grey massive to vesicular basalt 50% dark grey perlitic is altered to a buff color a trace of opal & quartz some iron oxide staining	Basaltic andesite as in #10
	115-120	#12 90% dark grey basaltic andesite to buff color, mostly perlitic type - 10% brown basalt w/aphanitic ground mass & plag xls. 2 mm in length, - dark & grey to black obsidian inclusion not uncommon - a trace of opal	
	125-130	#13 95% dark grey to black glassy sometimes (±1%) vesicular, some (1%) shown dark brown to red glassy blotches 1mm in size 5% brown basaltic andesite trace of alteration of andesite trace of jasperoid	
	135-140	#14 99% as in #13 - 1% basalt a trace of japeroid	
	145-150	#15 Same as #14	
	155-160	#16 99% red-brown aphanitic sugary appearing basaltic andesite - 1% Tbuv as in #13 - a trace of japeroid	Abundance of LC material Tbu

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WELL No. B-47-79

TIME	DEPTH	LITHOLOGY	COMMENTS
	0-10	#1 Ang frags of grey aphanitie vesicular basalt. 75% of vesicles lined w/blue opaline chalcedony a trace of silicified? tuff- trace of large to med pebbles.	Drilled with air-tuff is very hard, doesn't appear to be welded-malpais?
	10-20	#2 Ang to subang pebbles? of grey vesicular aphanitic basalt.	
	20-30	#3 Subrounded to subang pebbles (98%) granules & sand of dark to med grey aphanitic basalt.	
	30-40	#4 Same as #3	
	40-50	#5 Subrd to subang pebbles (98%) granules & sand coated with silt and clay - appears to be grey basalt as above.	
	50-60	#6 Ang frags of brown asphanitic basalt - a trace of iron oxide staining along plate or joint surfaces - a trace of clay and silt.	Clay and silt may be as a result of drilling with air-Malpais.
	60-70	#7 95% med to dark grey perlitic aphanitic basalt? 5% brown basalt as above.	Very fine sample - id. difficult presences of clay - could be Tbuv.
	70-80	#8 99% med grey perlitic aphanitic basalt? with a trace of vesicles- 1% brown basalt as above.	Very fine sample - id. difficult could be Tbuv.
	80-90	#9 Med grey perilitic porphritic basaltic andesite w/trace of vesicles lined with chalcedony.	Abund. of clay, calcareous. Tbuv
	90-100	#10 Med grey porphritic basaltic andesite with red-brown perlites - a trace of calcite.	
	100-110	#11 Med grey perlitic porphritic basaltic andesite with a trace of brown perlites.	Clay and silt coating on chips.

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WELL No. B-47-79 RANGE 48E

TIME	DEPTH	LITHOLOGY	COMMENTS
	110-120	#12 30% med grey perlitic porphritic basaltic andesite with a trace of brown perlites - 70% red-brown to yellowish brown porphritic basaltic andesite w/trace of vesicles - trace of iron oxide staining, vesicles lined w/chalcedony and opal, a trace of ang. frags of chalcedony, jasperoid and opal	Brown andesite Tbu
	120-130	#13 Med brown massive porphritic basaltic andesite - trace of iron oxide staining.	Clay on chips - Tbu
	130-140	#14 Same as #13	Clay on chips.
	140-150	#15 60% med grey perlitic porphritic basaltic andesite w/trace of vesicles lined with chalcedony. 40% brown massive porphritic basaltic andesite - a trace of iron oxide staining qtz. chalcedony and jasperoid?	
	150-160	#16 Med brown porphritic basaltic andesite and trace of qtz. opal chalcedony and iron oxide staining.	
	170-180	#18 Same as #16 with no qtz opal or chalcedony - trace of calcite.	Tbu
	180-190	#19 Same as #16	Tbu
	190-200	#20 Light brown-grey porphritic basaltic andesite with a trace of qtz., chalcedony and calcite.	Tbl
	200-210	#21 Same as #20 w/trace of iron oxide staining.	
	210-220	#22 Same as #21	

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TIME	DEPTH	LITHOLOGY	COMMENTS
	220-230	#23 Med to light brown porphritic basaltic andesite w/trace of qtz calcite and iron oxide staining.	
	230-240	#24 Andesite as #23 - trace of qtz chalcedony, japeroid and iron oxide staining.	
	240-250	#25 Same as #24	
	250-260	#26 Same as #24	
	260-270	#27 No sample	
	270-280	#28 Med brown porphyritic basaltic andesite with a trace of qtz and chalcedony - trace of iron oxide staining.	Clay and silt due to air drilling Tbl??
	280-290	#29 Same as #28	
	290-310	No Sample	
	310-320	#32 Med brown to grey porphyritic basaltic andesite - trace of iron oxide staining.	
	320-330	#33 Same as #32	
	330-340	#34 Same as #33	
	340-350	#35 Med brown to greyish brown porphyritic basaltic andesite w/ trace qtz Xls and calcite.	
	350-360	#36 Same as #35 with a trace of chalcedony and iron oxide staining.	
	360-370	#37 Same as #36	
	370-380	#38 Same as #36	
	380-390	#39 Same as #36	

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TOWNSHIP 31N
WELL No. 8-48-79 RANGE 48E

TIME	DEPTH	LITHOLOGY	COMMENTS
	0-10	#1 85% med grey diktytaxitic basalt 15% cream color calcareous tuff? a trace of calcite coatings on basalt.	
	10-20	#2 95% basalt as in #1. 5% tuffaceous sandst. and tuff as above.	
	20-30	#3 Med grey diktytaxitic olivine? Basalt with a trace of cream color lithic tuff.	
	30-40	#4 85% basalt as in #3 - 15% pumpkin orange material, appears to be iron oxide clay?	
	40-50	#5 98% white to cream color lithic tuff. 2% calcite as veins in tuff and ang frags.	
	50-60	#6 White to cream very fine grn tuff w/trace of calcite.	
	60-70	#7 60% white to cream very fine grn tuff. 40% calcite grags.	
	70-80	#8 60% white to pale yellow calcareous lithic tuff and tuffacceous sandst. 40% calcite frags and veins.	
	80-90	#9 40% tuff as in #8 60% calcite as in #8	
	90-100	#10 White to yellow orange tuff with a trace of calcite and opal.	
	100-110	#11 White to yellowish tan calcareous fine grn lithic tuff w/trace of calcite and basalt frags.	
	110-120	#12 40% tuff as in #11 50% brown clayey sandst 20% calcite 35% gypsum?	

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WELL No. 8-48-79 RANGE 48E

TIME	DEPTH	LITHOLOGY	COMMENTS
	120-150	No returns	
	150-160	#16 55% tuff as above 5% ang frags of basalt 20% calcite 20% gypsum?	Loss circulation material MT=72°F
	160-170	#17 65% tuff as above 35% ang frags of basalt a trace of calcite, qtz Xls and opal.	MT=70°F - loss circ. material
	170-180	#18 85% buff colored fine grn calcareous lithic tuff - 5% basalt frags. 5% calcite frags, 5% opal, jasperoid and qtz.	MT=72°F - loss circ. material
	180-190	#19 Tuff, basalt, calcite, etc. as in #18 (% can not be accurate due to loss circ material and lack of much sample).	MT=70°F - very poor sample - loss circ. material
	190-200	#20 50% tuff as in #18 w/xls 50% basalt frags w/trace of calcite, gypsum? (soft white to clear mineral) qtz xls.	MT=69°F - loss circ. material
	200-210	#21 95% buff colored crystal lithic fine grn to med grn tuff. 5% subrounded to subang basalt pebbles probably out of tuff, some are tuff coated w/trace of jasperoid and calcite.	MT=69°F
	210-220	#22 40% tuff as in #21 55% med to dark grey glassy, perlitic, porphyritic basaltic andesite? 5% med grey glassy perlitic, porphyritic vesicular basaltic andesite? - w/trace of calcite, jasperoid and qtz.	MT=69°F - loss circ. material (Tbuv)

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RANGE 48E

WELL No. 8-48-79

TIME	DEPTH	LITHOLOGY	COMMENTS
	220-230	#23 Ang frags med grey, glassy perlitic porphyritic basaltic andesite w/trace of frags showing vesicles lined w/chalcedony opal and/or jasperoid w/trace of jasperoid and tuff	MT=71°F
	230-240	#24 Same as #23	MT=71°F
	240-250	#25 Same as #23 with 20% of frags w/ vesicles	MT=72°F
	250-260	#26 98% med to dark grey perlitic porphyritic basaltic andesite w/ trace of vesicles - 1 - 2% calcareous tuff (sluff) w/trace of alteration rims around vesicles in andesite.	MT=72°F - loss circ. material abundant. (T/s of jasperoid? green and light brown)
	260-270	#27 Ang frags of med to dark grey perlitic porphyritic basaltic andesite w/ trace of vesicles lined w/chalcedony opal and/or jasperoid, w/trace of alteration to white around vesicles (<1mm w/trace of tuff as above - w/ trace of frags of gypsum? and calcite.	MT=70°F
	270-280	#28 Andesite as in #27 - w/trace of tuff, brown massive prophyritic basaltic andesite and basaltic andesite? Altered to red brown color - w/trace of calcite frags.	MT=73°F
	280-290	#29 50% andesite as in #27 - 50% med yellow brown massive porphyritic basaltic andesite (Tbu) w/trace of tuff, basaltic andesite? Altered to red brown color, calcite frags and jasperoid?	
	290-300	#30 Same as #29	MT=74°F - abundance of loss circ material; poor returns.

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TIME	DEPTH	LITHOLOGY	COMMENTS
	300-310	#31 40% med grey perlitic, porphyritic basaltic andesite w/trace of vesicles lined with chalcedony & jasperoid - 59% brown massive porphritic basaltic andesite - 1% perlitic andesite where perlites are brown or grey - a trace of tuff & jasperoid frags	MT = 80°F abund of loss circ. material
	310-320	#32 Same as #31 with 60% grey andesite 39% brown	MT = 78°F
	320-330	#33 Same as #32	MT = 80°F
	330-340	#34 5% med grey perlitic, porphyritic basaltic andesite w/trace of vesicles lined w/chalcedony & jasperoid, 95% med yellowish brown to red-brown porphyritic basaltic andesite - (red-brown andesite appears to be altered andesite) - a trace of tuff & jasperoid & iron oxide staining	MT = 84°F
	340-350	#35 50% grey andesite as in #34 50% brown andesite as in #34 a trace tuff, calcite & jasperoid	No mud temp.
	350-360	#36 75% grey andesite & 25% brown as in #35 trace of tuff, calcite & jasperoid	MT = 87°F
	360-490	No Returns	

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RANGE 48E

WELL No. B-49-79

TIME	DEPTH	LITHOLOGY	COMMENTS
	0-10	#1 Alluvium - subrded to subang pebbles 60% granules 40% a trace of sand	
	10-20	#2 Same as #1 with a slight (very thin discontinious) coating of jasperoid on 40% of material	
	20-30	#3 Same as #1 - with a trace of jasperoid coating 20% of material coating tend to be thicker than that in #2	
	30-40	#4 Alluvium - rounded to subang pebbles 60% granules 40% a trace of sand	Some loss circulation
	40-50	#5 Alluvium - subrded to subang pebbles 75% granules 25% a trace of sand - a tracde of jasperoid & opaline coatings on 5% of material	
	50-60	#6 Alluvium as above - 90% pebbles 10% granules & a trace of sand	
	60-70	#7 Alluvium - pebbles 75%, granules 25%, trace of sand, a trace of qtz xls (broken) jasperoid & jasperoid coatings	
	70-80	#8 Alluvium - subrded to subang pebbles, 90% and granules 10% - a trace of jasperoid - cemented sandst. jasperoid frags & coatings & iron oxide staining	
	80-90	#9 Alluvium as above, 90% pebbles, 8-9% granules 1-2% sand - a trace of jasperoid frags, jasperoid coatings & iron oxide staining a trace of ang frags off larger alluvium fraction	

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TIME	DEPTH	LITHOLOGY	COMMENTS
	90-100	#10 Alluvium as in #9 - a trace of white qtz sandst. frags, frags & coatings of jasperoid & iron oxide staining	
	100-110	#11 Alluvium - subrded to subang pebbles (95%) granules (5%) sand, a trace - a trace of jasperoid cemented sandst. ang jasperoid frags & jasperoid coatings - a trace of iron oxide staining	
	110-120	#12 Alluvium - subrded to subang pebbles (35%) granules (60%) 5% sand - a trace of jasperoid cemented sd. qtz, qtz sandst & iron oxide staining - 5% material jasperoid coated	
	120-130	#13 Alluvium - subrded to subang pebbles (60%) granules (30%) sand (10%) - a trace of jasperoid cemented sand granins, qtz xls, qtz sandst & iron oxide staining 45% of material have partial or fubl jasperoid? coatings trace of ang jasperoid frags	silica coatings.
	130-140	#14 Same as #13 with 35% pebbles & 55% granules	
	140-150	#15 Same as #14 with no qtz sand, xls or ang jasperoid frags	
	150-160	#16 Alluvium as above 10% pebbles 50% granules 40% sand - trace of ang jasperoid frags, jasperoid cemented sand grains, iron oxide staining - 40% of material have varying amts of jasperoid coating	
	160-170	#17 Alluvium as in #16 - a trace of qtz sandst., jasperoid cemented sand grains opaline coatings & iron oxide staining - 25% of material jasperoid coated	

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TIME	DEPTH	LITHOLOGY	COMMENTS
	170-180	#18 Alluvium - subrded to subang 60% pebbles, 30% granules 10% ang frags off larger alluvial fraction a trace of jasperoid & iron oxide staining - 25% jasperoid and/or opaline coated material	
	180-190	#19 Alluvium - subrded to subang pebbles 40%, granules 45% sand 15% - a trace of angular frags - 40% of material has partial complete jasperoid coatings	
	190=200	#20 Alluvium - subrded to subang pebbles 20%, granules 40%, sand 35%, ?% ang frags off larger fraction - a trace of jasperoid chalcedony, iron oxide staining - 60% jasperoid coating	
	200-210	#21 Alluvium as above, 70% pebbles 30% granules - a trace of ang frags, iron oxide staining - 40% jasperoid coating	
	210-220	#22 Alluvium - subrded to subang pebbles 60%, granules 30% sand 10% - a trace of ang frags of basalt off larger alluvial fraction ang jasperoid frags & iron oxide staining 40% jasperoid coated	
	220-230	#23 Alluvium 30% pebbles, 20% granules 40% sand - 10% ang frags of med grey basalt? - a trace of a zeolite? jasperoid frags & iron oxide staining & jasperoid coatings	Zeolite? soft greyish to white soft material with black flakes within it
	230-240	#24 Same as #23 except 50% sand & no ang basalt? frags	

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TIME	DEPTH	LITHOLOGY	COMMENTS
	240-250	#25 Alluvium - 35% pebbles, 40% granules - 20% sand 5% ang frags off larger fraction? - a trace of jasperoid frags & coatings & iron oxide staining	
	250-260	#26 Alluvium 60% pebbles 35% granules 5% sand - trace of ang frags off larger fraction - a trace of jasperoid frags & coatings & iron oxide staining	
	260-270	#27 Alluvium - subrded to subang 45% pebbles, 20% gtanules, 30% sand, 5% ang frags - a trace of ang jasperoid, jasperoid covered wood & white - greyish zeolite as above - 15% of material jasperoid or opaline coated	
	270-280	#28 Alluvium - 90% subrded to subang pebbles - 5% granules, 5% ang frags off larger fraction - 20% of material jasperoid or opaline coated	
	280-290	#29 Alluvium 30% pebbles, 30% granules, 10% sand, 30% ang frags off larger fraction - a trace of jasperoid, qtz xls ((slightly rounded) & iron oxide staining - 10% of material jasperoid or opaline coated	
	290-300	#30 Alluvium subrded to subang 60% pebbles 30% granules, 2-3% sand - 7-8% ang frags off larger fraction - a trace of jasperoid & iron oxide staining - 5% of material jasperoid coated	
	300-310	#31 Alluvium - 20% pebbles, 40% granules 40% sand - a trace of jasperoid, zeolite? as above, a white chalky mineral & iron oxide staining - 15% of material jasperoid coated	

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TIME	DEPTH	LITHOLOGY	COMMENTS
	310-320	#32 Alluvium - 40% pebbles 45% granules 5% sand - a trace of jasperoid, jasperoid cemented sand & iron oxide staining - 5-10% jasperoid coatings	
	320-330	#33 Alluvium 70% pebbles 25% granules 2-3% sand, 2-3% ang frags - a trace of jasperoid & iron oxide staining-a trace of jasperoid coating	
	330-340	#34 Alluvium - pebbles and larger material trace of jasperoid	
	340-350	#35 Alluvium - 90% pebbles - 10% ang frags off large material a trace of jasperoid frags - 15% of material jasperoid coated	
	350-360	#36 20% Alluvium (subrded to subang pebbles) 20% ang frags of Mal Pais basalt - 60% subrded to ang frags of jasperoid - a trace of qtz xls (abraided)	
	360-370	#37 Alluvium - subrded to subang pebbles (ave size 20 mm) a trace of sand & iron oxide staining	(some loss circulation)
	370-380	#38 60% subrded to subang pebbles - 40% jasperoid frags, subrded to angular; a trace of sand and qtz xls.	(some loss circulation)
	380-390	#39 99% ang frags of dark to med. grey & med brown glassy basalt (Malpais) alteration is common along fractures & in vesicles - a trace of jasperoid? in vesicles and along fracture planes - cream yellow to yellow green in color	Alteration - dark basalt has rim of white to cream color around fracture & vesicles which appear gradational

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TIME	DEPTH	LITHOLOGY	COMMENTS
	390-400	#40 Angular to subrounded frags of med to dark grey glassy vesicular basalt - 90% of vesicles are elongaled or flattened-75% of frags show alteration to cream or whitish color as before-85% of vesicles are jasperoid coated subrounded frags appear to have weak - perlitic structure	Some loss circulation
	400-410	#41 Same as #40 with a trace of ang jasperoid frags (yellowish-green) and a trace of brown basalt	
	410-420	#42 Ang to subang frags of med grey to grey with brown blotches glassy basalt - 2%-3% of frags have vesicles - 10% show alteration to buff color - a trace of jasperoid & iron oxide staining	
	420-430	#43 Ang to subang frags of light to med grey (with 10% having brown blotches) glassy basalt - 5% of frags have vesicles 5% show buff colored alteration - a trace of jasperoid & iron oxide staining	
	430-440	#44 Same as #43 with some brown basalt frags	
	440-450	#45 40% Ang frags of light to dark grey glassy basalt with a trace of vesicles-60% med brown aphanitic basalt - a trace of alteration to buff color in grey frags - a trace of jasperoid & iron oxide staining	
	450-460	#46 90% ang frags of med to dark grey glassy, vesicular basalt with alteration to buff color along vesicles (1mm thick) jasperoid fillings & coatings in vesicles 10% med brown aphanitic basalt with a trace of vesicles a trace of chalcedony & qtz - (note: vesicles are elongated or flattened)	

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TIME	DEPTH	LITHOLOGY	COMMENTS
	460-470	#47 Ang frags of med grey glassy vesicular basalt with a trace of perlitic texture - 99% of the vesicles are lined with pale grey blue crypto crystallene mineral - a trace of alteration to grey or buff color, jasperoid & iron oxide staining	loss circulation - (amt. unkown)
	470-480	#48 Ang. frags of med grey glassy basalt with a trace of vesicles lined with grey to blue mineral as above a trace of alteration to grey or tan color, chalcedony jasperoid & iron oxide staining	Some loss of circulation
	480-490	#49 Same as #48	
	490-500	#50 Same as #48 with a trace of brown basalt	

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WELL No. B-50-79

TIME	DEPTH	LITHOLOGY	COMMENTS
Not recorded	0-10	#1 Alluvium-subrded to subang pebbles with a trace of clay & sand	Mud Temp. = 85°F
	10-20	#2 Alluvium as above with a trace of poorly silica cemented sandst.	MT = 85°F
	20-30	#3 Alluvium same as #2 with a trace of ang frags off larger fraction-a trace of chalcedony & opal coatings on pebbles.	MT = 90°F
	30-40	#4 Alluvium same as #3	MT = 90°F
	40-50	#5 Alluvium-same as #3	MT = 90°F
	50-60	#6 Alluvium-subrded to subang pebbles with a trace of ang frags off larger fraction-a trace of chalcedony & opal coatings on pebbles.	
	60-70	#7 40% subrded to subang pebbles 60% ang frags off larger fraction-a trace of sand & clay & chalcedony & opal coatings on pebbles.	MT = 90°F
	70-80	#8 60% subrded to subang pebbles 40% ang frags off larger fraction-a trace of sand, clay and coatings of opal & chalcedony & iron oxide staining.	MT = 90°F
	80-90	#9 same as #8	MT = 90°F
	90-100	#10 Alluvium-subrded to subang pebbles with a trace of sand, clay and ang frags off larger fraction-5% of pebbles coated with siliceous material a trace of poorly silica cemented sandst.	MT = 90°F
	100-110	#11 same as #10.	MT = 90°F
	110-120	#12 same as #11.	MT = 90°F
	120-130	#13 same as #11	MT = 90°F

LITHOLOGIC WELL LOG

CHEVRON RESOURCES COMPANY

PROSPECT Beowawe
COUNTY _____ STATE Nevada
DATE _____ SECTION 19
TOWNSHIP 31N
RANGE 48E
WELL No. B-50-79

TIME	DEPTH	LITHOLOGY	COMMENTS
	130-140	#14 60% subrded to subang pebbles 30% ang frags off larger fraction 10% buff colored lithic reworked? tuff-a trace of sand, siliceous coatings & iron oxide staining.	MT = 90° F
	140-150	#15 95% ang frags of med grey to black perlitic, vesicular, glassy aphanitic basalt-75% of vesicles filled with siliceous material-5% subrded pebbles a trace of reworked tuff?	MT = 70° F Malpais basalt
	150-160	#16 Ang frags of med to dark grey perlitic, vesicular, glassy, aphanitic basalt-75% of vesicles coated or filled with siliceous material-a trace of tuff as above, alluvium & jasperoid.	MT = 70° F vesicles are elongated.
	160-170	#17 same #16 with trace of alteration rims, <1mm, around vesicles.	MT = 70° F
	170-180	#18 Med grey glassy, aphanitic basalt with 5% of frags with vesicles-5% showing alteration to buff color especially around vesicles, alteration extends into chips <1mm-vesicles lined with chalcedony-a trace of tuff.	MT = 70° F
	180-190	#19 60% med brown to grey aphanitic basalt with trace of vesicles coated with silica & trace of alteration to pale yellow color especially around vesicles 40% grey basalt as in #18-a trace of jasperoid.	MT = 75° F
	190-200	#20 60% med brown to grey aphanitic vesicular basalt with vesicles lined with chalcedony-a trace of yellow blotches 40% dark grey glassy vesicular basalt-vesicles lined with chalcedony trace of alteration to tan or buff color around vesicles.	MT = 75 °F

LITHOLOGIC WELL LOG

CHEVRON RESOURCES COMPANY

PROSPECT Beowawe
COUNTY _____ STATE Nevada
DATE _____ SECTION 19
TOWNSHIP 31N
RANGE 48E
WELL No. B-50-79

TIME	DEPTH	LITHOLOGY	COMMENTS
	200-210	#21 70% Med. to dark grey glassy, aphanitic, vesicular basalt with vesicles lined with chalcedony-a trace of alteration to pale grey to buff color. 30% med brown aphanitic vesicular basalt with vesicles lined chalcedony & green siliceous material trace of alteration to buff color especially around vesicles trace of ang frags of jasperoid.	MT = 75°F
	210-220	#22 Light to dark grey aphanitic vesicular basalt-vesicles lined with chalcedony or opal-a trace of ang frags of jasperoid and opaline silica-a trace of alteration to buff color especially around vesicles.	MT - 76°F
	220-230	#23 95% med. brown massive aphanitic basalt-2-3% brown-black mottled massive aphanitic basalt-2-3% med grey glassy vesicular aphanitic basalt-a trace of brown basalt with vesicles-a trace of alteration to buff color-trace of ang frags of jasperoid.	MT = 80°F
	230-240	#24 Med grey to dark grey glassy aphanitic basalt-a trace of ang frags of jasperoid & iron oxide staining.	MT = 80°F
	240-250	#25 95% med to dark grey glassy vesicular, aphanitic basalt, vesicles tend to be elongated-5% basalt altered to light tan or buff color a trace of ang frags of jasperoid & opal fillings of vesicles & fractures.	MT = 80°F
	250-260	#26 98% grey basalt as in #25- 2% brown massive aphanitic basalt-a trace of basalt altered to buff color & ang frags of jasperoid.	MT = 80°F

LITHOLOGIC WELL LOG

PROSPECT Beowawe

COUNTY _____ STATE Nevada

CHEVRON RESOURCES COMPANY

DATE _____ SECTION 19

TOWNSHIP 31N

WELL No. B-50-79 RANGE 48E

TIME	DEPTH	LITHOLOGY	COMMENTS
	260-270	#27 90% med brown aphanitic vesicular basalt with opaline silica & chalcedony lining or filling vesicles 5% dark grey aphanitic vesicular basalt with vesicles filled as above. 5% basalt altered to buff color. (some rims around vesicles some the chip is totally altered).	MT = 80° F
	270-280	#28 Med. brown aphanitic sparsely vesicular basalt-a trace of alteration especially around vesicles an plate or fracture surfaces, to buff color-a trace of grey basalt as in #27-a trace of iron oxide staining & frags of jasperoid.	MT = 80° F
		#29 98% brown basalt as in #28-vesicles lined or filled with opaline silica & jasperoid-2% black to grey vesicular basalt-a trace of ang frags of jasperoid & chalcedony-trace of alteration to buff color-trace of pyrite lining vesicles.	
	290-300	#30 no sample	lost circulation
	300-310	#31 50% med to dark grey glassy, aphanitic vesicular basalt with vesicles lined with pink blue white or cream color chalcedony-a trace of alteration to buff or tan color 50% brown aphanitic basalt-a trace of jasperoid & chalcedony frags.	MT = 75° F-loss circulation material abundant
	310-320	#32 Med to dark brown aphanitic vesicular basalt; vesicles are lined with chalcedony or jasperoid-a trace of grey basalt as above-a trace of frags of jasperoid & chalcedony.	MT = 75° F
	320-330	#33 Medium brown aphanitic basalt with yellow blotches-a trace of brown basalt with vesicles as in #32.	MT = 75 °F

LITHOLOGIC WELL LOG

CHEVRON RESOURCES COMPANY

PROSPECT Beowawe

COUNTY _____ STATE Nevada

DATE _____ SECTION 19

TOWNSHIP 31N

RANGE 48E

WELL No. B-51-79

TIME	DEPTH	LITHOLOGY	COMMENTS
12:02	0 -- 10	#1 Alluvium-subrded to subang pebbles (85%) & granules (15%) of various volcanic units.	MT = 65°F
12:30	10-20	#2 98% ang frags of dark grey to black slightly vesicular glassy basalt-a trace of iron oxide staining, jasperoid, & frags with alteration rims to pale grey color 1-2mm wide-2% alluvium.	MT = 62°F Malpais basalt.
12:38	20-30	#3 95% ang frags of brown massive basalt with a trace of vesicles & yellow blotches-brown basalt appears to have been jointed or platy since a trace of the frags show smooth side with iron oxide & manganese staining-5% dark grey basalt as above.	MT = 70°F
12:50	30-40	#4 98% dark grey glassy basalt with a trace of vesicles-90% of vesicles filled with green to yellow waxy mineral jasperoid?-a trace of alteration to white rim as above-2% brown basalt as above.	MT = 72°F
1:13	40-50	#5 Medium brown massive basalt-a trace of inclusions? of the black basalt (5mm to 2.5mm) & yellow blotches-yellow blotches tend to be concentrate around black inclusion (cooling phenomena?)-a trace of iron oxide staining & glassy grey basalt	MT = 76°F
1:34	50-60	#6 98% med brown massive basalt with yellow blotches-2% black & brown glass mottled basalt-a trace of qtz & iron oxide staining.	MT = 80°F
2:00	60-70	#7 Medium brown massive basalt with yellow blotches-probably platy (flat fracture planes in chips) plates 2-3mm-a trace of iron oxide staining qtz & amorphous silica.	MT = 80°F
2:25	70-80	#8 basalt as in #7.	

LITHOLOGIC WELL LOG

PROSPECT Beowawe

COUNTY _____ STATE Nevada

C. .RON RESOURCES COMPANY

DATE _____ SECTION 19

TOWNSHIP 31N

RANGE 48E

WELL No. B-51-79

TIME	DEPTH	LITHOLOGY	COMMENTS
3:10	80-90	#9 basalt as in #7 with no qtz trace of white to light grey zeolite.	MT = 76°F
3:42	90-100	#10 Med. brown massive basalt with yellow blotches a trace of iron oxide staining & alteration of basalt to white to cream color.	MT = 76°F
4:00	100-110	#11 90% medium grey glassy prophyritic perlitic vesicular (35%) basaltic andesite; phenocryst generally are red-10% tan welded tuff with flattened glass & pumice (thin unit).	MT = 74°F Vesicles elongated
4:07	110-120	#12 Med. brown massive basalt with yellow blotches-platy-trace of iron oxide staining.	MT = 70°F
4:20	120-130	#13 95% med to dark grey glassy perlitic porphritic basaltic andesite with a trace of vesicles, phenocryst pinkish red, trace of fractures stained with hematite? (red color)-5% grey vesicular basalt a trace of brown massive basalt-a trace of vesicles (of basalt) filled with white slightly calcareous waxy mineral-a trace of alteration of basalt & andesite to light grey color trace of sluff.	MT = 74°F
4:25	130-140	#14-Same as above? appears to have 2-5% sluff-poor sample.	MT = 75°F
4:42	140-150	#15 95% med to dark grey glassy perlitic porphyritic basaltic andesite with pinkish brown phenocrysts & perlites-2% brown-red massive porphritic basaltic andesite (Tbu)-remaining 3% consists of yellow orange waxy mineral with cauliform shape, opal, chalcedony, and sugary yellow green to white secondary silica.	MT = 75°F

LITHOLOGIC WELL LOG

PROSPECT Beowawe

COUNTY _____ STATE Nevada

CHEVRON RESOURCES COMPANY

DATE _____ SECTION 19

TOWNSHIP 31N

RANGE 48E

WELL No. B-51-79

TIME	DEPTH	LITHOLOGY	COMMENTS
5:03	150-160	#16 99% medium brown massive porphyritic basaltic andesite with 1-3mm phenocrysts of hornblende and plag-a trace of alteration to pale yellowish green mineral jasperoid?-1% sluff & perlitic material.	MT = 75°F
8:55	160-170	#17 75% brown basaltic andesite as in 25% grey perlitic andesite as in #15-a trace of iron oxide staining.	MT = 69°- perlitic andesite probably from above, sluff-1st sample of day.
9:18	170-180	#18 Ang frags of red-brown prophyritic basaltic andesite as in #16-a trace of yellow to yellow green alteration giving chipa splotchy appearance a trace of iron oxide staining-a trace of alteration to buff color around plag xl (<1mm rim).	MT = 68°F
9:25	180-190	#19 40% red brown porphyritic basalt as above-30% grey glassy porphyritic perlitic basaltic andesite with red alteration bands around light grey altered areas (trace only) Tbu -30% glassy perlitic vesicular basaltic andesite grey to grey green in color & a trace of vesicular chips are altered to pale grey-trace of opal & chalcedony-a trace of mica from loss circ material???	MT = 68°F red lt. grey dark grey
9:40	190-200	#20 60% pink to reddish brown vesicular basaltic andesite, pink chips are altered brown andesite-40% med grey glassy vesicular basaltic andesite altered to pale grey in 20% of chips a trace of iron oxide staining pyrite? & mica sericite?(LCM?) 95% of vesicles are lined or filled with pale blue, yellow or clear chalcedony-a trace of orpiment & realgar? red & yellow soft mineral.	MT = 68°F Top of Tbl?

LITHOLOGIC WELL LOG

CHEVRON RESOURCES COMPANY

PROSPECT Beowawe
COUNTY _____ STATE Nevada
DATE _____ SECTION 19
TOWNSHIP 31N
RANGE 48E
WELL No. B-51-79

TIME	DEPTH	LITHOLOGY	COMMENTS
10:05	200-210	#21 Ang frags of pinkish grey vesicular basaltic andesite vesicles are illreg shaped 1-4mm in diameter lined or filled with pale green, white, yellow or blue chalcedony-a trace of red-brown grey & perlitic andesite-a trace of white to tan soft (3 hardness) chalky or waxymineral.	MT = 68°F Lots of loss circ. material - Tbl.
10:20	210-220	#22 95% yellowish tan porphyritic vesicular basaltic andesite-vesicles tend to be lined with yellow to pale grey-green chalcedony-a trace of iron oxide staining & limonite-5% brown basaltic andesite & grey glassy andesite from above-a trace of mica probably LCM.	MT = 70°F andesite phenos. glomeromorphic
:50	220-230	#23 Ang frags of light pinkish brown porphyritic, vesicular basaltic andesite vesicles are lineded with yellow chalcedony-a trace of sluff & mica.	MT = 70°F
11:05	230-240	#24 same as #23 with a trace of iron oxide staining	MT = 68°F Lots of Loss circ. material
11:30	240-250	#25 same as #24.	MT = 71°F
11:55	250-260	#26 99% light to med. pinkish brown porphyritic vesicular andesite; vesicles filled with yellow chalcedony, a trace of iron oxide staining-1% material from above.	MT = 72°F
12:30	260-270	#27 Pale greyish brown or porphyritic basaltic andesite with a trace of vesicles lined as above-trace of iron oxide staining-a trace of sluff.	MT = 72°F
12:55	270-280	#28 basaltic andesite as in #26-a trace of alteration to pink clay, iron oxide staining.	MT = 78°F

LITHOLOGIC WELL LOG

PROSPECT Beowawe

COUNTY _____ STATE Nevada

CHEVRON RESOURCES COMPANY

DATE _____ SECTION 19

TOWNSHIP 31N

RANGE 48E

WELL No. B-51-79

TIME	DEPTH	LITHOLOGY	COMMENTS
1:25	280-290	#29 Greyish-brown porphyritic basaltic andesite with a trace of vesicles lined as above-trace of iron oxide staining & manganese oxide? staining -a trace of sluff.	MT = 77°F
2:00	290-300	#30 Greyish-brown porphyritic basaltic andesite; a trace of iron oxide staining & sluff.	MT = 77°F.
2:40	300-310	#31 basaltic andesite as in #30 a trace of vesicles lined with green-yellow chalcedony?	MT = 74°F
3:25	310-320	#32 same as #31 a trace of iron oxide staining & alteration to pink clay.	MT = 80°F
[illegible]00	320-330	#33 same as #32.	MT = 78°
9:15	330-340	#34 Greyish brown porphyritic basaltic andesite with a trace of vesicles lined with chalcedony, a trace of iron oxide staining & sluff.	MT = 64°F Loss circ. material in sample
9:35	340-350	#35 same as #34.	MT = 68°F
10:10	350-360	#36 Light greyish brown porphyritic basaltic andesite-a trace of iron oxide staining & alteration to pink clay?	MT = 68°F
11:00	360-370	#37 andesite as in #36 with a trace of vesicles lined with chalcedony-trace of iron oxide & clay? as above	MT = 70°F
11:55	370-380	#38 Greyish brown porphyritic basaltic andesite with a trace of vesicles lined with chalcedony-trace of iron oxide staining & clay? alteration-phenocryst do not form groupings as before.	MT = 71°F
12:40	380-390	#39 Greyish-brown porphyritic basaltic andesite with a trace of vesicles as above-slightly glomeromorphic-trace of iron oxide & clay alteration.	MT = 72°F

LITHOLOGIC WELL LOG

IRON RESOURCES COMPANY

PROSPECT Beowawe

COUNTY _____ STATE Nevada

DATE _____ SECTION 19

TOWNSHIP 31N

RANGE 48E

WELL No. B-51-79

TIME	DEPTH	LITHOLOGY	COMMENTS
1:40	390-400	#40 same as #39	MT = 72°F
9:30	400-410	#41 Greyish-brown porphyritic glomero-morphic basaltic andesite with a slight trace of vesicles lined with chalcedony a trace of milky qtz xls-trace of iron oxide staining & clay.	MT = 66°F
10:50	410-420	#42 same as #41 with no vesicles.	MT = 67°F
11:25	420-430	#43 same as #42	MT = 68°F

LITHOLOGIC WELL LOG

CHEVRON RESOURCES COMPANY

PROSPECT Beowawe

COUNTY _____ STATE Nevada

DATE _____ SECTION 24

TOWNSHIP 31N

WELL No. B-54-79 RANGE 48E

TIME	DEPTH	LITHOLOGY	COMMENTS
4:07	0 - 10	#1 Alluvium-subrded to subang pebbles granules & coarse sand-trace of jasperoid frags & jasperoid cemented sandst-90% material is partially coated with jasperoid.	Mud Temp = 70°F
4:11	10-20	#2 Alluvium-subrded to subang pebbles granules & sand-a trace of jasperoid frags jasperoid cemented sandst -a trace of ang frags off large alluvial material-partial jasperoid coated on 50% of material-trace of iron oxide staining.	MT = 68°F
4:19	20-30	#3 Alluvium-subrded to subang pebbles of various basaltic rks, a trace of tuff?-a trace of ang jasperoid frags 70% of material shows caliche and/or jasperoid coatings.	MT = 70°F
4:24	30-40	#4 Alluvium-subrded to subang pebbles and granules-trace of ang frags of jasperoid. jasperoid cemented sandst, & ang basalt frags off larger alluvial material & iron oxide staining-90% of material jasperoid coated.	MT = 70°F
4:32	40-50	#5 same as #4.	MT = 69°F
4:45	50-60	#6 same as #4.	MT = 69°F
5:00	60-70	#7 same as #4 with 10% of material jasperoid coated.	MT = 69°F
5:15	70-80	#8 Alluvium-subrded to subang pebbles & granules-25% ang frags off larger alluvial fraction-30% of material partially jasperoid coated.	MT = 69°F
5:30	80-90	#9 Alluvium-subrded to subang pebbles trace of ang frags off larger alluvial fraction jasperoid, jasperoid cemented sandst-10% of material jasperoid coated-trace of iron oxide staining.	MT = 70°F

LITHOLOGIC WELL LOG

CHEVRON RESOURCES COMPANY

PROSPECT Beowawe

COUNTY _____ STATE Nevada

DATE _____ SECTION 24

TOWNSHIP 31N

WELL No. B-54-79 RANGE 48E

TIME	DEPTH	LITHOLOGY	COMMENTS
5:38	90-100	#10 same as #9.	MT = 70°F
8:59	100-110	#11 Alluvium-subrded to subang pebbles granules & sand-ang frags off larger alluvial fraction-a trace of jasperoid, jasperoid coatings & iron oxide staining.	MT = 60°F
9:20	110-120	#12 40% alluvium as above-60% ang frags of med to dark grey glass slightly vesicular basalt-a trace of iron oxide staining.	MT = 62°F
9:50	120-130	#13 Alluvium-subrded to subang pebbles granules & sand-a trace of ang frags. jasperoid, jasperoid coatings & iron oxide staining.	MT = 63°F
[illegible]6	130-140	#14 same as #13	MT = 64°F
10:05	140-150	#15 same as #13	MT = 66°F
10:15	150-160	#16 Alluvium-subrded to subang pebbles & granules-a trace of ang volcanic frags & iron oxide staining 20% of material partially jasperoid coated.	MT = 66°F
10:25	160-170	#17 same as #16 with a trace of jasperoid.	MT = 66°F
10:34	170-180	#18 Alluvium-subrded to subang pebbles 85% granules 14%, 1% sand-a trace of ang volcanic frags & iron oxide staining-10% jasperoid coated.	MT = 67°F
10:45	180-190	#19 same as #18.	MT = 68°F
10:54	190-200	#20 Alluvium-subrded to subang pebbles 90% granules 10% & sand (trace) 10% of material is jasperoid coated -trace of iron oxide staining.	MT = 68°F

LITHOLOGIC WELL LOG

PROSPECT Beowawe

COUNTY _____ STATE Nevada

DATE _____ SECTION 24

CHEVRON RESOURCES COMPANY TOWNSHIP 31N

RANGE 48E

WELL No. B-54-79

TIME	DEPTH	LITHOLOGY	COMMENTS
11:14	200-210	#21 Alluvium as above-5% ang. basalt frags off larger alluvial material-trace of jasperoid frags & iron oxide staining-10-15% of material jasperoid coated.	MT = 68°F
11:50	210-220	#22 95% med. brown aphanitic basalt with yellow blotches (Malpais Basalt)-5% alluvium as above-trace of iron oxide staining especially along joint? or plates.	MT = 70°F
12:23	220-230	#23 same as #23.	MT = 69°F
1:00	230-240	#24 99% med brown aphanitic basalt with yellow blotches-1% med grey aphanitic basalt (all Malpais basalt) a trace of jasperoid & alluvium.	MT = 70°F
1:40	240-250	#25 Med. brown aphanitic basalt with yellow blotches-a trace of dark grey basalt, alluvium & jasperoid-trace of iron oxide staining.	MT = 72°F
	250-260	#26 same as #25	
	260-270	#27 same as #25	
	270-280	#28 same as #25-no alluvium.	
	280-290	#29 same as #25-jasperoid may be sluff-no alluvium.	
	290-300	#30 same as #25-no jasperoid.	
	300-310	#31 Med grey brown to brow aphanitic basalt, the grey brown chips have yellow blotches, the brown a trace of elongated vesicles- a trace of japeroid along fracture planes & in vesicles-trace of iron oxide staining.	

LITHOLOGIC WELL LOG

PROSPECT Beowawe

COUNTY _____ STATE Nevada

C ON RESOURCES COMPANY

DATE _____ SECTION 24

TOWNSHIP 31N

RANGE 48E

WELL No. B-54-79

TIME	DEPTH	LITHOLOGY	COMMENTS
	310-320	#32 60% med to dark grey aphanitic glassy basalt ½ which shows perlitic texture & ½ with vesicles usually elongated or flattened-38% med brown aphanitic basalt with yellow blotches-2% jasperoid varying from clear to yellow & waxy-a trace of iron oxide staining especially in the brown basalt, alteration to pale grey and reddish brown (rare) of dark grey basalt.	
	320-330	#33 50% grey basalt as in #32, 50% brown basalt as in #32-a trace of jasperoid & iron oxide staining.	
	330-340	#34 Brown aphanitic basalt a trace of yellow blotches-a trace of grey glassy basalt, jasperoid & iron oxide staining.	
	340-350	#35 60% brown aphanitic basalt with yellow blotches & a trace of iron oxide staining-40% med. to dark grey aphanitic glassy vesicular basalt-99% of the vesicles are jasperoid filled or lined-grey basalt shows a trace of alteration to pale grey and/or rust color, the rust color alteration tends to be rims in vesicles some frags are totally altered to rust color-trace of jasperoid frags.	rims less than 1mm.
	350-360	#36 Med. grey to brown aphanitic vesicular basalt-60-65% of vesicles have alteration rims & 70% are lined with jasperoid-the altered basalt varies from pinkish red to yellow orange-vesicles are elongated.	

LITHOLOGIC WELL LOG

C ON RESOURCES COMPANY

PROSPECT Beowawe
COUNTY _____ STATE Nevada
DATE _____ SECTION 24
TOWNSHIP 31N
WELL No. B-54-79 RANGE 48E

TIME	DEPTH	LITHOLOGY	COMMENTS
	360-370	#37 35% brown aphanitic basalt-20% med grey aphanitic glassy vesicular basalt, vesicles are jasperoid lined with orange to yellow orange alteration rims-30% basalt altered to dull orange color, tends to scratch with disecting probe (fresh basalt does not)-15% yellow to yellow orange jasperoid.	
	370-380	#38 95% brown aphanitic basalt with iron oxide on joint surfaces-5% grey glassy aphanitic basalt-a trace of yellow-orange altered basalt & altered vesicular basalt as above.	
	380-390	#39 Grey brown aphanitic basalt with yellow blotches-a trace of jasperoid frags, yellow-orange altered basalt, altered vesicular basalt & unaltered vesicular basalt (sluff?)	
	390-400	#40 same as #39	
	400-410	#41 Grey brown aphanitic vesicular basalt, vesicles are elongated (1-3 mm long)-vesicles are filled with yellow, yellow-orange or pale blue jasperoid-vesicles have pale pink rim of alteration <1mm thick.	
	410-420	#42 med to dark grey to brown aphanitic vesicular basalt-vesicles somewhat elongated lined with jasperoid & have alteration rims that are orange, pale pink or cream in color a trace of massive aphanitic brown basalt.	
	420-430	#43 brown aphanitic basalt-a trace of jasperoid, vesicular basalt & altered basalt-brown basalt has manganese & iron oxide staining along joint surfaces.	

LITHOLOGIC WELL LOG

PROSPECT Beowawe

COUNTY _____ STATE Nevada

IRON RESOURCES COMPANY

DATE _____ SECTION 24

TOWNSHIP 31N

RANGE 48E

WELL No. B-54-79

TIME	DEPTH	LITHOLOGY	COMMENTS
	430-440	#44 50% brown basalt as in #43 50% brown to dark grey aphanitic vesicular basalt-vesicles tend to be elongated, filled with jasperoid & have alteration rims of cream or pale pink color-trace of jasperoid frags & sluff.	
	440-450	#45 vesicular basalt as in #44-some rust color alteration <1%.	

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-2-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 6-21-79
LOGGED BY : FLEINER
UNIT NO. : 1,000'
1ST LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START- BATT. V = 1198 END- BATT. V = 1179

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	4,265	52.5	190	3,445	60.8
20	4,235	52.8	200	3,405	61.3
30	4,165	53.5	220	3,325	62.3
40	4,085	54.3	240	3,245	63.2
50	4,045	54.6	260	3,165	64.2
60	3,985	55.2	280	3,095	65.1
70	3,935	55.7	300	2,932	67.1
80	3,905	56.0	320	2,861	68.0
90	3,855	56.4	340	2,797	69.0
100	3,835	56.6	360	2,734	70.0
110	3,825	56.7	380	2,669	71.1
120	3,765	57.3	400	2,608	72.1
130	3,715	57.8	420	2,554	72.9
140	3,685	58.1	440	2,495	73.9
150	3,645	58.4	460	2,440	74.8
160	3,595	58.9	480	2,383	75.7
170	3,545	59.5	~~484~~ 500	2,373	75.8
180	3,495	60.1			

TIME START: 1630
TIME ON BOTTOM: 1725

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-2-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 6-28-79
LOGGED BY : FLEINER
UNIT NO. : 1,000
2 ND LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START-BATT. ✓ = 1168 END- BATT. V=1140

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	4,295	52.3	190	3,455	60.6
20	4,245	52.7	200	3,415	61.1
30	4,165	53.5	220	3,335	62.1
40	4,095	54.2	240	3,255	63.1
50	4,045	54.6	260	3,175	64.1
60	3,995	55.1	280	3,095	65.1
70	3,965	55.4	300	2,932	67.1
80	3,905	56.0	320	2,863	68.0
90	3,865	56.3	340	2,799	69.0
100	3,835	56.6	360	2,734	70.1
110	3,815	56.8	380	2,670	71.1
120	3,785	57.1	400	2,609	72.1
130	3,725	57.7	420	2,549	73.0
140	3,685	58.1	440	2,494	73.9
150	3,655	58.4	460	2,440	74.8
160	3,605	58.8	480	2,384	75.7
170	3,555	59.4	~~500~~ 484	2,372	75.9
180	3,505	60.0			

TIME START: 1020
TIME ON BOTTOM: 1115

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-7-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 8-11-79
LOGGED BY : FLEINER
UNIT NO. : 1,000' MULTI 500' PROBE 1ST LOG

SUMMARY OF LITHOLOGY: ARTESIAN H_2O FLOW.

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START-BATT. V ✓ =1191 END-BATT. V=1174

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	1,600	92.9	190	1,538	94.5
20	1,603	92.8	200	1,530	94.7
30	1,592	93.1	220	1,511	95.3
40	1,587	93.2	240	1,506	95.4
50	1,585	93.3	~~260~~ 258	1,514	95.2
60	1,581	93.4	280	BLOCKAGE AT 258	
70	1,579	93.4	300		
80	1,576	93.5	320		
90	1,574	93.6	340		
100	1,571	93.6	360		
110	1,569	93.7	380		
120	1,569	93.7	400		
130	1,565	93.8	420		
140	1,563	93.8	440		
150	1,561	93.9	460		
160	1,557	94.0	480		
170	1,548	94.2	500		
180	1,541	~~94.4~~			

TIME START: [redacted] 1500
TIME ON BOTTOM: 1530

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-7-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9-7-79
LOGGED BY : FLEINER
UNIT NO. : 1000'
2ND LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS
START-BATT. V = 1152 END-BATT. V = 1133

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	1,511	95.3	190	[redacted] 1499	[redacted] 95.7
20	1,674	90.9	200	[redacted] 1496	95.8
30	1,750	89.0	220	1,487	96.1
40	1,728	89.5	240	1,484	96.2
50	1,662	91.3	260	1,483	96.2
60	1,660	91.3	280	1,478	96.4
70	1,644	91.7	300	1,471	96.6
80	1,683	90.7	320	1,469	96.7
90	1,711	90.0	340	1,464	96.8
100	1,660	91.3	360	1,458	97.0
110	1,666	91.2	380	1,456	97.1
120	1,523	94.9	400	1,454	97.2
130	1,519	95.0	420	1,453	97.2
140	1,516	95.1	440	1,450	97.3
150	1,515	95.1	460	1,450	97.3
160	1,513	95.2	480	1,447	97.4
170	1,511	95.3	~~500~~ 456'	1,447	97.4
180	1,509	95.3			

TIME START: 1200
TIME ON BOTTOM: 12 55

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-7-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9-16-79
LOGGED BY : FLEINER
UNIT NO. : 1,000
3RD LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED WITH RESISTORS.
START- BATT. V =1209 END- BATT. V=1179

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	1,981	83.6	190	1,485	96.1
20	2,395	75.5	200	1,478	96.4
30	2,525	73.4	220	1,472	96.6
40	2,603	72.2	240	1,468	96.7
50	2,445	74.7	260	1,461	96.9
60	2,308	76.9	280	1,459	97.0
70	2,226	78.5	300	1,458	97.0
80	2,154	80.0	320	1,457	97.1
90	2,092	81.3	340	1,457	97.1
100	2,106	81.0	360	1,456	97.1
110	2,000	83.2	380	1,455	97.1
120	1,886	85.5	400	1,453	97.2
130	1,810	87.4	420	1,452	97.2
140	1,710	90.0	440	1,449	97.3
150	1,583	93.3	460	1,449	97.3
160	1,510	95.3	480	1,447	97.4
170	1,489	96.0	486 ~500	1,446	97.4
180	1,484	96.2			

TIME START: 1335
TIME ON BOTTOM: 1430

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-7-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9-21-79
LOGGED BY : FLEINER
UNIT NO. : 1,000' LOG
4TH

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START-BATT.V=1196 END-BATT.V=1167

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
1K Ω 10	2,217	78.7	190	1,483	96.2
20	2,618	71.9	200	1,476	96.4
30	2,752	69.8	220	1,470	96.6
40	2,827	68.6	240	1,464	96.8
50	2,648	71.4	260	1,457	97.1
60	2,507	73.7	280	1,454	97.2
70	2,383	75.7	300	1,453	97.2
80	2,302	77.0	320	1,453	97.2
90	2,231	78.4	340	1,452	97.2
100	2,234	78.4	360	1,452	97.2
110	2,105	81.0	380	1,451	97.3
120	1,976	83.7	400	1,450	97.3
130	1,871	85.8	420	1,448	97.4
140	1,737	89.3	440	1,446	97.4
150	1,589	93.2	460	1,445	97.5
160	1,502	95.6	480	1,443	97.5
170	1,485	96.1	~~486~~ 500	1,443	97.5
180	1,481	96.3			

TIME START: 1040
TIME ON BOTTOM: 1130

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

OSPECT : Beowawe
STATE : Nevada
HOLE NO. : B-7-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9-27-79
LOGGED BY : J. Fleiner, klc
UNIT NO. : 1000'

SUMMARY OF LITHOLOGY:

5 TH'

CALIBRATION NOTES: Checked with resistors
Start Bath V = 1140 End Bath V = 1093

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	2474	74.2	190	1487	96.1
20	2755	69.7	200	1480	96.3
30	2895	67.6	220	1474	96.5
40	2930	67.2	240	1468	96.7
50	2794	69.1	260	1460	97.0
60	2633	71.7	280	1456	97.1
70	2490	74.0	300	1456	97.1
80	2395	75.5	320	1455	97.1
90	2320	76.7	340	1455	97.1
100	2292	77.2	360	1454	97.2
110	2163	79.8	380	1453	97.2
120	2035	82.5	400	1452	97.2
130	1908	85.1	420	1451	97.3
140	1761	88.7	440	1448	97.4
150	1599	92.9	460	1448	97.4
160	1509	95.3	480	1446	97.4
170	1489	96.0	~~486~~ 500	1445	97.5
180	1486	96.1			

TIME START: 10:10
TIME ON BOTTOM: 10:45

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : Beowawe
STATE : Nevada
HOLE NO. : B-7-79
S.T.R. : Sec. 7

DATE COMPLETED :
DATE LOGGED : 9/28/79
LOGGED BY : J Fleiner, K Constant
UNIT NO. : 1000'
Last Log - 6TH

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: Checked with resistors
Start Batt V = 1112 End Batt V = 1075

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3450	74.6	190	1482	96.2
20	2792	69.1	200	1476	96.4
30	2915	67.3	220	1469	96.7
40	2968	66.7	240	1463	96.9
50	2815	68.8	260	1454	97.2
60	2652	71.4	280	1450	97.3
70	2515	73.6	300	1449	97.3
80	2415	75.2	320	1448	97.4
90	2331	76.5	340	1448	97.4
100	2313	76.8	360	1447	97.4
110	2174	79.6	380	1447	97.4
120	2039	82.4	400	1445	97.5
130	1911	85.0	420	1444	97.5
140	1768	88.5	440	1441	97.6
150	1599	92.9	460	1440	97.6
160	1507	95.4	480	1439	97.7
170	1485	96.1	~~500~~ ABC	1438	97.7
180	1481	96.3			

TIME START: 1600
TIME ON BOTTOM: 1620

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-9-79
S.T.R. :

DATE COMPLETED : 6-5-79
DATE LOGGED : 6-14-79
LOGGED BY : FLEINER
UNIT NO. : 1,000'
1ST LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START-BATT. ✓ = 1179 END-BATT. ✓ = 1159

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	4,005	55.0	190	2,779	69.3
20	3,835	56.6	200	2,762	69.6
30	3,585	59.0	220	2,713	70.4
40	3,525	59.8	240	2,663	71.2
50	3,415	61.1	260	2,613	72.0
60	3,325	62.3	280	2,567	72.7
70	3,235	63.4	300	2,526	73.4
80	3,115	64.9	320	2,477	74.2
90	3,095	65.1	340	2,432	74.9
100	~~3,055~~ 2,973	~~65.6~~ 66.6	360	2,382	75.7
110	~~3,015~~ 2,932	67.1	380	2,338	76.4
120	2,906	67.5	400	2,293	77.2
130	2,883	67.7	420	2,252	78.0
140	2,857	68.1	440	2,216	78.7
150	2,833	68.5	460	2,175	79.6
160	2,813	68.8	480	2,138	80.3
170	2,795	69.1	~~495~~ ~~500~~	2,112	80.9
180	2,782	69.3			

TIME START: 1520
TIME ON BOTTOM: 1605

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-9-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 6-27-79
LOGGED BY : FLEINER
UNIT NO. : 1,000
2ND LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED WITH RESISTORS.
START- BATT. V = 1169 END- BATT. V = 1149

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3,865	56.3	190	2,786	69.2
20	3,895	56.1	200	2,772	69.4
30	3,605	58.8	220	2,725	70.2
40	3,555	59.4	240	2,670	71.1
50	3,445	60.8	260	2,620	71.9
~~60~~	3,305	62.5	280	2,572	72.7
70	3,215	63.6	300	2,525	73.4
80	3,135	64.6	320	2,480	74.1
90	3,105	65.0	340	2,435	74.9
100	2,984	66.5	360	2,389	75.6
110	2,943	67.0	380	2,343	76.3
120	2,914	67.4	400	2,300	77.0
130	2,891	67.6	420	2,260	77.8
140	2,864	68.0	440	2,218	78.7
150	2,841	68.3	460	2,179	79.5
160	2,822	68.6	480	2,143	80.2
170	2,805	68.9	~~500~~ 495	2,117	80.8
180	2,793	69.1			

TIME START: 1640 TIME ON BOTTOM: 1730

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE

STATE : NEV

HOLE NO. : B-11-79

S.T.R. : _____

DATE COMPLETED : _____

DATE LOGGED : 8-11-79

LOGGED BY : FLEINER

1000' MULTI.

UNIT NO. : 500' PROBE

1ST LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS

START - BATT. V = 1192

END - BATT. V = 1171

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3440	60.8	190	1,628	92.1
20	3,320	62.3	200	1,606	92.7
30	2975	66.6	220	1,549	94.2
40	2,832	68.5	240	1,499	95.7
50	2,678	71.0	260	1,462	96.9
60	2,571	72.7	280	1,428	98.0
70	2,439	74.8	300	1,395	99.1
80	2,301	77.0	320	1,367	100.0
90	2,190	79.3	340	1,343	100.8
100	2,058	82.0	360	1,322	101.5
110	1,985	83.5	380	1,308	102.0
120	1,916	84.9	400	1,277	103.0
130	1,859	86.1	420	1,257	103.7
140	1,807	87.5	440	1,243	104.2
150	1,764	88.6	460	1,258	103.7
160	1,726	89.6	480	1,278	103.0
170	1,684	90.7	~~500~~ 496	1,291	102.6
180	1,655	91.4			

TIME START: 0855

TIME ON BOTTOM: 0940

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-11-79
S.T.R. :

DATE COMPLETED : _____
DATE LOGGED : 8-27-79
LOGGED BY : FLEINER
UNIT NO. : 1000' MULTI. 500' PROBE
2ND LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED WITH RESISTORS.
START- BATT. V = 1186 END- BATT. V = 1172

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3,475	60.4	190	1,594	93.0
20	3,465	60.5	200	1,562	93.9
30	3,305	62.5	220	1,475	96.5
40	2,988	66.4	240	1,450	97.3
50	2,730	70.1	260	1,424	98.2
60	2,435	74.9	280	1,393	99.2
70	2,300	77.0	300	1,365	100.1
80	2,249	78.1	320	1,342	100.9
90	2,210	78.9	340	1,320	101.6
100	2,167	79.8	360	1,305	102.1
110	2,119	80.7	380	1,294	102.5
120	2,049	82.2	400	1,264	103.5
130	1,961	84.0	420	1,245	104.1
140	1,876	85.7	440	1,236	104.5
150	1,806	87.5	460	1,253	103.8
160	1,747	89.0	480	1,275	103.1
170	1,689	90.6	490	1,277	103.0
180	1,641	91.8			

TIME START: 1650
TIME ON BOTTOM: 1735

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-11-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9-16-79
LOGGED BY : FLEINER
UNIT NO. : 1,000'
3RD LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START - BATT. V = 1192
END - BATT. V = 1170

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3425	61.0	190	1560	93.9
20	3,195	63.9	200	1527	94.8
30	3115	64.9	220	1455	97.1
40	2,902	67.5	240	1428	98.0
50	2,757	69.7	260	1401	98.9
60	2,612	72.0	280	1,378	99.7
70	2,491	74.0	300	1,351	100.6
80	2,376	75.8	320	1,328	101.3
90	2257	77.9	340	1,308	102.0
100	2,165	79.8	360	1,295	102.4
110	2,097	81.2	380	1,283	102.8
120	2,000	83.2	400	1,260	103.6
130	1,911	85.0	420	1,242	104.3
140	1,840	86.6	440	1,229	104.8
150	1,764	88.6	460	1,241	104.3
160	1,709	90.0	480	1,264	103.5
170	1,649	91.6	~~500~~ 495	1,280	102.9
180	1,605	92.8			

TIME START: 1505
TIME ON BOTTOM: 1550

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-11-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9-21-79
LOGGED BY : FLEINER
UNIT NO. : 1,000' LOG 4TH

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START- BATT. V = 1191 END- BATT. V = 1169

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10K 10	3,385	61.5	190	1,556	94.0
20	3,195	63.9	200	1,523	94.9
30	3,105	65.0	220	1,452	97.2
1K 40	2,905	67.5	240	1,425	98.1
50	2,770	69.5	260	1,398	99.0
60	2,623	71.8	280	1,375	99.8
70	2,504	73.7	300	1,349	100.6
80	2,392	75.5	320	1,325	101.4
90	2,263	77.8	340	1,306	102.1
100	2,167	79.8	360	1,292	102.5
110	2,094	81.3	380	1,281	102.9
120	1,996	83.3	400	1,260	103.6
130	1,914	85.0	420	1,240	104.3
140	1,845	86.6	440	1,227	104.9
150	1,770	88.4	460	1,238	104.4
160	1,706	90.1	480	1,262	103.5
170	1,651	91.5	~~500~~	1,278	103.0
180	1,602	92.8			

TIME START: 1215
TIME ON BOTTOM: 1300

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : Beowawe
STATE : Nevada
HOLE NO. : B-11-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9/27/79
LOGGED BY : J. Fleiner klc
UNIT NO. : 1000'

SUMMARY OF LITHOLOGY: 5TH'

CALIBRATION NOTES: Checked with resistors
Start Bath V. = 1120 End Bath V. = 1085

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3395	61.4	190	1556	94.0
20	3195	63.9	200	1519	95.0
30	3085	65.2	220	1447	97.4
40	2901	67.5	240	1423	98.2
50	2796	69.4	260	1396	99.1
60	2626	71.8	280	1373	99.9
70	2513	73.6	300	1348	100.7
80	2388	75.6	320	1324	101.5
90	2259	77.9	340	1305	102.1
100	2166	79.8	360	1292	102.6
110	2095	81.2	380	1281	102.9
120	1998	83.2	400	1259	103.6
130	1914	85.0	420	1240	104.3
140	1843	86.5	440	1227	104.9
150	1767	88.5	460	1239	104.4
160	1704	90.2	480	1261	103.6
170	1648	91.6	~~500~~ 495	1279	103.0
180	1599	92.9			

10K Ω
1K

TIME START: 11:20
TIME ON BOTTOM: 1155

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

'ROSPECT : Beowawe

STATE : Nevada

HOLE NO. : B-14-79

S.T.R. :

DATE COMPLETED :

DATE LOGGED : 8-12-79

LOGGED BY : klc

UNIT NO. : 1000' meter 500' probe

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: Start Bat: 1202 End Bat: 1182

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3380	61.6	190	1828	86.9
20	3530	59.7	200	1836	86.7
30	3290	62.7	220	1869	85.9
40	3110	64.9	240	1908	85.1
50	2883	67.7	260	1939	84.4
60	2718	70.3	280	1971	83.8
70	2651	71.4	300	2005	83.1
80	2566	72.7	320	2035	82.5
90	2490	74.0	340	2062	81.9
100	2389	75.6	~~360~~ 341	2066	81.8
110	2292	77.2	380		
120	2213	78.8	400		
130	2125	80.6	420		
140	2031	82.5	440		
150	1943	84.4	460		
160	1874	85.8	480		
170	1832	86.8	500		
180	1829	86.9			

TIME START: 1:15

TIME ON BOTTOM: 1:33

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-14-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 8-27-79
LOGGED BY : FLEINER
UNIT NO. : 1,000, MULTI 500' PROBE 2ND LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START - BATT. V = 1192 END - BATT. V = 1175

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10K Ω 10	3,405	61.3	190	1,823	87.0
20	3,535	59.6	200	1,853	86.3
30	3,335	62.1	220	1,880	85.7
40	3,155	64.4	240	1,905	85.1
1K 50	2,900	67.5	260	1,936	84.5
60	2,726	70.2	280	1,969	83.8
70	2,658	71.3	300	2,002	83.1
80	2,564	72.8	320	2,033	82.5
90	2,473	74.2	340	2,058	82.0
100	2,384	75.7	344' 360	2,063	81.9
110	2,293	77.2	380		
120	2,205	79.0	400		
130	2,117	80.8	420		
140	2,027	82.6	440		
150	1,950	84.2	460		
160	1,870	85.9	480		
170	1,831	86.8	500		
180	1,823	87.0			

TIME START: 1530 TIME ON BOTTOM: 1615

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-19-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 6-21-79
LOGGED BY : FLEINER
UNIT NO. : 4000
1ST LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED WITH RESISTORS.
START- BATT. V = 1205 END- BATT. V = 1183

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	1,112	109.7	190	577	143.1
20	1067	111.6	200	572	143.6
30	960	116.8	220	567	144.1
40	855	122.3	240	574	143.4
50	769	127.9	260	561	144.7
60	715	131.5	280	549	145.9
70	674	134.8	300	542	146.6
80	613	139.7	320	533	147.5
90	607	140.2	340	524	148.4
100	601	140.8	360	515	149.3
110	599	141.0	380	505	150.5
120	595	141.4	400	495	151.7
130	[redacted]592	141.7	420	479	153.6
140	589	141.9	440	465	155.3
150	586	142.2	460	452	156.9
160	583	142.5	480	447	157.5
170	580	142.8	~~500~~ 495'	445	157.8
180	577	143.1			

TIME START: 1510
TIME ON BOTTOM: 1605

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV
HOLE NO. : B-19-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 6-26-79
LOGGED BY : FLEINER
UNIT NO. : 1,000'
2ND LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START-BATT.V = 1184
END - BATT. V = 1160

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	1,120	109.3	190	575	143.3
20	1,058	111.9	200	572	143.6
30	958	116.9	220	567	144.1
40	851	122.6	240	561	144.7
50	769	127.9	260	557	145.1
60	711	131.8	280	549	145.9
70	670	135.1	300	543	146.5
80	613	139.7	320	533	147.5
90	606	140.3	340	524	148.4
100	600	140.9	360	516	149.2
110	599	141.0	380	506	150.4
120	594	141.5	400	494	151.8
130	591	141.7	420	480	153.5
140	587	142.1	440	464	155.5
150	585	142.3	460	453	156.8
160	582	142.6	480	448	157.4
170	579	142.9	~~500~~ 495	446	157.6
180	577	143.1			

TIME START: 1415
TIME ON BOTTOM: 1505

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : Beowawe
STATE : Nevada
HOLE NO. : B-20-79
S.T.R. :

DATE COMPLETED : 6-30-79
DATE LOGGED : 7-4-79
LOGGED BY : Earl James
UNIT NO. : 1000' 1st log

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: Start 1128 checked with resistors
End 1094

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C (°F))	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C (°F))
10	3555	59.4	190	1907	85.1
20	3545	59.5	200	1851	86.3
30	3345	62.0	220	1841	86.6
40	3215	63.6	240	1860	86.1
50	3095	65.1	260	1875	85.7
60	2886	67.7	280	1873	85.8
70	2819	68.7	300	1887	85.5
80	2748	69.8	320	1903	85.2
90	2657	71.3	337	1922	84.8
100	2601	72.2	360		
110	2514	73.6	380		
120	2415	75.2	400		
130	2331	76.5	420		
140	2244	78.2	440		
150	2168	79.7	460		
160	2096	81.2	480		
170	2013	82.9	500		
180	1956	84.1			

TIME START: 10:20
TIME ON BOTTOM: 10:55

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-20-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 8-5-79
LOGGED BY : FLEINER
UNIT NO. : 1,000, MULTI. 500' PROBE
2ND LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START- BATT. V = 1112 END- BATT. V = 1089

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3,550	59.5	190	1,909	85.1
20	3,700	57.9	200	1,856	86.2
30	3,500	60.1	220	1,861	86.1
40	3,290	62.7	240	1,878	85.7
50	3,210	63.7	260	1,889	85.5
60	3,110	64.9	280	1,902	85.2
70	2,910	67.4	300	1,916	84.9
80	2,823	68.6	320	1,933	84.6
90	2,725	70.2	~~330~~ 340	1,945	84.3
100	2,626	71.8	360		
110	2,529	73.3	380		
120	2,447	74.7	400		
130	2,359	76.1	420		
140	2,288	77.3	440		
150	2,186	79.4	460		
160	2,102	81.1	480		
170	2,024	82.7	500		
180	1,962	84.0			

TIME START: 1205
TIME ON BOTTOM: 1250

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-20-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9-16-79
LOGGED BY : FLEINER
UNIT NO. : 1,000'
3RD LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED WITH RESISTORS.
START - BATT. V = 1182
END - BATT. V = 1163

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3,335	62.1	190	1,912	85.0
20	3,635	58.5	200	1,857	86.2
30	3,525	59.8	220	1,847	86.4
40	3,305	62.5	240	1,864	86.0
50	3,215	63.6	260	1,876	85.7
60	3,115	64.9	280	1,889	85.5
70	2918	67.3	300	1,903	85.2
80	2,824	68.6	320	1,919	84.9
90	2,726	70.2	~~340~~ 337	1,933	84.6
100	2,628	71.8	360		
110	2,536	73.2	380		
120	2446	74.7	400		
130	2,367	75.9	420		
140	2,285	77.3	440		
150	2,199	79.1	460		
160	2,111	80.9	480		
170	2,030	82.6	500		
180	1,966	83.9			

* TIME START: 1630
TIME ON BOTTOM: 1725

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-22-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 8-4-79
LOGGED BY : FLEINER
UNIT NO. : 1,000, MULTI. 500 PROBE
1ST LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS
START- BATT. V = 1132 END- BATT. V = 1114

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	2,789	69.2	190	1,201	106.0
20	2,504	73.7	200	1,193	106.3
30	2,116	80.8	220	1,175	107.0
40	1,834	86.8	240	1,159	107.7
50	1,559	94.0	260	1,140	108.5
60	1,472	96.6	280	1,120	109.3
70	1,373	99.9	300	1,100	110.2
80	1,315	101.8	320	1,081	111.0
90	1,287	102.7	340	1,061	111.8
100	1,277	103.0	360	1,040	112.7
110	1,269	103.3	380	1,019	113.7
120	1,260	103.6	400	996	114.9
130	1,250	103.9	420	976	115.9
140	1,243	104.2	440	956	117.0
150	1,233	104.6	460	939	117.9
160	1,224	105.0	480	923	118.7
170	1,217	105.3	~~500~~ 486	920	118.9
180	1,209	105.6			

TIME START: 1610
TIME ON BOTTOM: 1705

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : Beowawe
STATE : Nev
HOLE NO. : B-22-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 8/15/79
LOGGED BY : klc
UNIT NO. : ~~500' probe 1000' meter~~ 2nd log

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: Start Bat V: 1220 End Bat V = 1197
Checked with resistors

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	2804	68.9	190	1202	105.9
20	2561	72.8	200	1194	106.3
30	2146	80.2	220	1176	107.0
40	1852	86.3	240	1159	107.7
50	1548	94.2	260	1142	108.4
60	1463	96.9	280	1122	109.3
70	1371	99.9	300	1102	110.1
80	1314	101.8	320	1083	110.9
90	1287	102.7	340	1062	111.8
100	1278	103.0	360	1041	112.8
110	1270	103.3	380	1021	113.6
120	1261	103.6	400	998	114.8
130	1251	103.9	420	977	115.9
140	1243	104.2	440	959	116.8
150	1233	104.6	460	941	117.7
160	1226	104.9	480	926	118.5
170	1218	105.3	489	920	118.9
180	1210	105.6			

TIME START: 1:50
TIME ON BOTTOM: 2:35

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-22-79
S.T.R. : _____

DATE COMPLETED : _____
DATE LOGGED : 9-21-79
LOGGED BY : FLEINER
UNIT NO. : 1000'
3 RD LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED WITH RESISTORS.
START-BATT. V = 1186 END - BATT. V = 1168

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	2,670	71.1	190	1,184	106.7
20	2,528	73.4	200	1,175	107.0
30	2,175	79.6	220	1,158	107.8
40	1,840	86.6	240	1,141	108.5
50	1,523	94.9	260	1,124	109.2
60	1,439	97.7	280	1,104	110.0
70	1,352	100.5	300	1,085	110.8
80	1,298	102.3	320	1,065	111.6
90	1,271	103.2	340	1,046	112.4
100	1,260	103.6	360	1,025	113.4
110	1,252	103.9	380	1,006	114.4
120	1,243	104.2	400	983	115.6
130	1,234	104.6	420	962	116.7
140	1,225	105.0	440	944	117.6
150	1,216	105.3	460	927	118.5
160	1,207	105.7	480	911	119.3
170	1,200	106.0	~~490~~ 500	905	119.6
180	1,192	106.3			

TIME START: 1325
TIME ON BOTTOM: 1410

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-22-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9-24-79
LOGGED BY : FLEINER
UNIT NO. : 1,000'
4 TH LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START - BATT. V = 1136
END - BATT. V = 1114

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	2,674	71.0	190	1,184	106.7
20	2,514	73.6	200	1,175	107.0
30	2,155	80.0	220	1,158	107.8
40	1,810	87.4	240	1,141	108.5
50	1,520	95.0	260	1,124	109.2
60	1,441	97.6	280	1,105	110.0
70	1,352	100.5	300	1,085	110.8
80	1,298	102.3	320	1,065	111.6
90	1,271	103.2	340	1,046	112.4
100	1,260	103.6	360	1,025	113.4
110	1,252	103.9	380	1,006	114.4
120	1,243	104.2	400	982	115.6
130	1,234	104.6	420	962	116.7
140	1,226	104.9	440	944	117.6
150	1,216	105.3	460	927	118.5
160	1,207	105.7	480	911	119.3
170	1,200	106.0	~~490'~~ 500	905	119.6
180	1,192	106.3			

TIME START: 1505
TIME ON BOTTOM: 1550

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-24-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 8-5-79
LOGGED BY : FLEINER
UNIT NO. : 1,000' MULTI. 500' PROBE 2ND LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START- BATT. V = 1117 END- BATT. V = 1092

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10K 10	3,650	58.4	190	2,485	74.0
20	3,840	56.6	200	2,442	74.7
30	3,670	58.2	220	2,381	75.7
40	3,530	59.7	240	2,304	77.0
50	3,440	60.8	260	2,242	78.2
60	3,380	61.6	280	2,186	79.4
70	3,300	62.6	300	2,116	80.8
80	3,230	63.4	320	2,052	82.1
90	3,150	64.4	340	1,997	83.2
1K 100	2,995	66.3	360	1,961	84.0
110	2,931	67.1	380	1,933	84.6
120	2,875	67.8	400	1,903	85.2
130	2,817	68.7	420	1,870	85.9
140	2,761	69.6	~~440~~ 437	1,848	86.4
150	2,709	70.5	460		
160	2,671	71.1	480		
170	2,597	72.3	500		
180	2,540	73.2			

TIME START: 1040
TIME ON BOTTOM: 1130

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : Beowawe

STATE :

HOLE NO. : B-24-79

S.T.R. :

DATE COMPLETED :

DATE LOGGED : July 3 1979

LOGGED BY : K.C. EJ

UNIT NO. : 1000'

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: START 1230 checked with resistors
END ; 1204

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3695	58.1	190	2453	74.6
20	3705	57.9	200	2421	75.1
30	3525	59.8	220	2358	76.1
40	3425	61.0	240	2291	77.2
50	3335	62.1	260	2230	78.5
60	3295	62.6	280	2177	79.5
70	3235	63.4	300	2108	81.0
80	3145	64.5	320	2045	82.3
90	3095	65.1	340	1990	83.4
100	3025	66.0	360	1955	84.1
110	2965	66.7	380	1927	84.7
120	2915	67.3	400	1900	85.2
130	2865	68.0	420	1865	86.0
140	2815	68.8	440	1837	86.7
150	2680	70.9	~~460~~ 441	1837	86.7
160	2620	71.9	480		
170	2562	72.8	500		
180	2506	73.7			

TIME START: 12:37

TIME ON BOTTOM: 1:45

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-24-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9-13-79
LOGGED BY : FLEINER
UNIT NO. : 1000'
3 RD LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START- BATT. V = 1241 END- BATT. V = 1224

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3,455	60.6	190	2,482	74.1
20	3,775	57.2	200	2,438	74.8
30	3,665	58.3	220	2,375	75.8
40	3,525	59.8	240	2,300	77.0
50	3,435	60.9	260	2,237	78.3
60	3,365	61.8	280	2,181	79.5
70	3,295	62.6	300	2,112	80.9
80	3,225	63.5	320	2,048	82.2
90	3,145	64.5	340	1,990	83.4
100	2,993	66.4	360	1,954	84.1
110	2,925	67.2	380	1,924	84.7
120	2,875	67.8	400	1,897	85.3
130	2,810	68.8	420	1,863	86.0
140	2,758	69.7	440	1,835	86.7
150	2,713	70.4	460		
160	2,647	71.4	480		
170	2,596	72.3	500		
180	2,537	73.2			

TIME START: 1120 TIME ON BOTTOM: 1205

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-25-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 8-3-79
LOGGED BY : FLEINER
UNIT NO. : 1,000' MULTI 500' PROBE 1ST LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START - BATT. V = 1143 END - BATT. V = 1122

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10K 10	3,270	62.9	190	1,757	88.8
20	3,250	63.2	200	1,714	89.9
1K 30	2,917	67.3	220	1,632	92.0
40	2,771	69.5	240	1,559	94.0
50	2,636	71.6	260	1,491	95.9
60	2,583	72.5	280	1,427	98.1
70	2,522	73.5	300	1,380	99.6
80	2,418	75.1	320	1,345	100.8
90	2,333	76.5	340	1,320	101.6
100	2,264	77.8	360	1,301	102.2
110	2,193	79.2	380	1,287	102.7
120	2,126	80.6	400	1,276	103.1
130	2,065	81.8	420	1,271	103.2
140	2,007	83.0	440		
150	1,949	84.2	460		
160	1,897	85.3	480		
170	1,848	86.4	500		
180	1,802	87.6			

TIME START: 1510 TIME ON BOTTOM: 1605

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : Beowawe
STATE : Nevada
HOLE NO. : B-25-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 8-15-79
LOGGED BY : klc
UNIT NO. : 500probe 1000'meter 2nd log.

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: Start Bat V= 1203 End Bat. V. = 1183

Ω 10K

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DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3270	62.9	190	1759	88.7
20	3336	62.2	200	1716	89.8
30	2980	66.5	220	1632	92.0
40	2821	68.7	240	1558	94.0
50	2667	71.1	260	1487	96.1 ~~96.4~~
60	2618	71.9	280	1422	98.2
70	2537	73.2	300	1375	99.8
80	2453	74.6	320	1341	100.9
90	2366	76.0	340	1315	101.8
100	2300	77.0	360	1297	102.4
110	2211	78.8	380	1284	102.8
120	2143	80.2	400	1274	103.1
130	2079	81.6	420	1269	103.3
140	2019	82.8	440		
150	1959	84.0	460		
160	1906	85.1	480		
170	1855	86.2	500		
180	1806	87.5			

TIME START: 3:45
TIME ON BOTTOM: 4:15

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-25-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 8-20-79
LOGGED BY : FLEINER
UNIT NO. : 1,000' MULTI 500' PROBE 3 RD LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START- BATT. V = 1178
END - BATT. V = 1151

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3,270	62.9	190	1,756	88.8
20	3,320	62.3	200	1,714	89.9
30	2,977	66.6	220	1,627	92.2
40	2,822	68.6	240	1,554	94.1
50	2,667	71.1	260	1,482	96.2
60	2,615	72.0	280	1,418	98.4
70	2,536	73.2	300	1,371	99.9
80	2,452	74.6	320	1,338	101.0
90	2,368	75.9	340	1,312	101.9
100	2,298	77.1	360	1,294	102.5
110	2,208	78.9	380	1,281	102.9
120	2,139	80.3	400	1,272	103.2
130	2,076	81.6	~~430~~ 420	1,267	103.4
140	2,017	82.8	440		
150	1,955	84.1	460		
160	1,900	85.2	480		
170	1,852	86.3	500		
180	1,802	87.6			

TIME START: 0905
TIME ON BOTTOM: 0950

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : [redacted] NEV.
HOLE NO. : B-27-79
S.T.R. : SEC 10 31N 48E

DATE COMPLETED : 6-10-79
DATE LOGGED : 6-14-79
LOGGED BY : FLEINER
UNIT NO. : 1,000'
1ST LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START-BATT.✓= 1170 END-BATT.✓= 1163

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	1,962	84.0	190	205	210.6
20	1,342	100.9	200	200	212.5
30	1,048	112.3	~~210~~ 220	198	213.4
40	967	116.4	~~220~~ 240	201	212.1
50	679	134.4	~~230~~ 260	205	210.6
60	612	139.7	~~236~~ 280	206	210.2
70	576	143.2	300		
80	447	157.5	320		
90	387	166.2	340		
100	361	170.7	360		
110	335	175.3	380		
120	300	182.7	400		
130	270	190.0	420		
140	251	195.1	440		
150	238	199.1	460		
160	226	202.8	480		
170	218	205.8	500		
180	210	~~208.7~~			

TIME START: 1355 TIME ON BOTTOM: 1445

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-27-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 6-26-79
LOGGED BY : FLEINER
UNIT NO. : 1,000'
2ND LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS
START- BATT. V = 1176 END- BATT. V = 1,159

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	2,042 [redacted]	82.3	190	204	211.0
20	1,330	101.3	200	201	212.1
30	1,058	111.9	~~210~~ 220	198	213.4
40	980	115.7	~~220~~ 240	202	211.7
50	661	135.8	~~230~~ 260	205	210.6
60	617	139.3	~~236~~ 280	206	210.2
70	550	145.8	300		
80	419	161.5	320		
90	387	166.2	340		
100	362	170.5	360		
110	340	174.4	380		
120	293	184.2	400		
130	266	191.0	420		
140	249	195.7	440		
150	235	200.1	460		
160	225	203.2	480		
170	217	206.2	500		
180	210	208.7			

TIME START: 1525
TIME ON BOTTOM: 1615

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-27-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 8-27-79
LOGGED BY : FLEINER
UNIT NO. : 1000'
3'RD LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED WITH RESISTORS.
START-BATT. V=1220 END- BATT. V=1202

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	1,940	84.4	190	200	212.5
20	1,241	104.3	200	195	214.7
30	1,035	112.9	~~210~~ 220	194	215.2
40	976	115.9	~~230~~ 240	197	213.9
50	655	136.3	~~250~~ 260	201	212.1
60	619	139.2	~~270~~ 280	203	211.3
70	532	147.6	300		
80	411	162.7	320		
90	382	166.9	340		
100	358	171.2	360		
110	335	175.3	380		
120	289	185.1	400		
130	262	192.1	420		
140	244	197.3	440		
150	231	201.3	460		
160	221	204.7	480		
170	212	208.0	500		
180	205	210.6			

TIME START: 0925
TIME ON BOTTOM: 1000

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-27-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9-21-79
LOGGED BY : FLEINER
UNIT NO. : 1000'
4TH LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED WITH RESISTORS.
START-BATT.✓=1199 END-BATT.✓=1171

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	2,000	83.2	190	198	213.4
20	1267	103.4	200	194	215.2
30	993	115.0	~~210~~ ~~220~~	193	215.6
40	949	117.3	~~220~~ ~~240~~	195.	214.7
50	658	136.0	~~230~~ ~~260~~	199	213.0
60	621	139.0	~~230~~ ~~280~~	201	212.1
70	529	147.9	300		
80	410	162.8	320		
90	380	167.3	340		
100	356	171.6	360		
110	334	175.5	380		
120	288	185.3	400		
130	262	192.1	420		
140	243	197.6	440		
150	230	201.6	460		
160	219	205.4	480		
170	211	208.4	500		
180	204	211.0			

TIME START: 0850 TIME ON BOTTOM: 0935

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : Beowawe
STATE : Nevada
HOLE NO. : B-27-79
S.T.R. :

DATE COMPLETED : 6-10-14
DATE LOGGED : 9-27-79
LOGGED BY : J. Fleiner, klc
UNIT NO. : 1000' 5th log.

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: Checked with resistors
Start Batt V = 1112 End Batt V = 1076

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	1895	87.8	190	199	212.9
20	1076	111.2	200	195	214.7
30	979	115.8	210	193	215.6
40	940	117.8	220	196	214.3
50	665	135.5	230	200	212.5
60	624	138.8	236	201	212.1
70	534	147.4	300		
80	411	162.7	320		
90	382	166.9	340		
100	357	171.4	360		
110	336	175.1	380		
120	289	185.1	400		
130	262	192.1	420		
140	244	197.3	440		
150	231	201.3	460		
160	221	204.6	480		
170	212	208.0	500		
180	205	210.6			

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TIME START: 1325
TIME ON BOTTOM: 1345

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : Beowawe
STATE : Nevada
HOLE NO. : B-29-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 8/22/79
LOGGED BY : k/c
UNIT NO. : 1000' meter 500' probe 1st log

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: Bat Start: 1199 Bat End: 1187
Checked w/resistors

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3550	59.5	190	2526	73.4
20	3770	57.3	200	2494	73.9
30	3650	58.4	220	2429	74.9
40	3540	59.6	240	2364	76.0
50	3490	60.2	260	2303	77.0
60	3420	61.1	280	2240	78.3
70	3350	61.9	300	2166	79.8
80	3280	62.8	320	2113	80.9
90	3190	63.9	340	2071	81.7
100	3130	64.9	360	2035	82.5
110	2873	67.9	380	1996	83.3
120	2780	69.3	400	1958	84.0
130	2789	69.2	420	1918	84.9
140	2728	70.1	440	1886	85.5
150	2697	70.6	(447')	1877	85.7
160	2656	71.3	480		
170	2617	71.9	500		
180	2567	72.7			

TIME START: 12:15
TIME ON BOTTOM: 12:42

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-29-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 8-27-79
LOGGED BY : FLEINER
UNIT NO. : 1000' MULTI 500' PROBE 2ND LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED WITH RESISTORS.
START- BATT. V = 12V END- BATT. V = 11.8

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3,565	59.3	190	2,536	73.2
20	3,805	56.9	200	2,499	73.8
30	3,705	57.9	220	2,429	74.9
40	3,595	58.9	240	2,380	75.7
50	3,535	59.6	260	2,302	77.0
60	3,465	60.5	280	2,240	78.3
70	3,395	61.4	300	2,164	79.8
80	3,325	62.3	320	2,110	80.9
90	3,235	63.4	340	2,067	81.8
100	3,155	64.4	360	2,028	82.6
110	2,917	67.3	380	1,989	83.4
120	2,835	68.4	400	1,951	84.2
130	2,807	68.9	420	1,911	85.0
140	2,746	69.9	440	1,879	85.7
150	2,712	70.4	447	1,871	85.8
160	2,669	71.1	480		
170	2,622	71.9	500		
180	2,576	72.6			

TIME START: 1405
TIME ON BOTTOM: 1500

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-29-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9-16-79
LOGGED BY : FLEINER
UNIT NO. : 1,000' LOG
3 RD

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START - BATT. V = 1178
END - BATT. V = 1159

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3,485	60.3	190	2,544	73.1
20	3,765	57.3	200	2,506	73.7
30	3,715	57.8	220	2,439	74.8
40	3,615	58.7	240	2,383	75.7
50	3,545	59.5	260	2,311	76.8
60	3,475	60.4	280	2,247	78.1
70	3,405	61.3	300	2,171	79.7
80	3,345	62.0	320	2,116	80.8
90	3,245	63.2	340	2,070	81.7
100	3,175	64.1	360	2,031	82.5
110	2,957	66.8	380	1,992	83.3
120	2,865	68.0	400	1,954	84.1
130	2,823	68.6	420	1,917	84.9
140	2,747	69.8	440	1,882	85.6
150	2,717	70.3	~~460~~ 452	1,865	86.0
160	2,677	71.0	480		
170	2,634	71.7	500		
180	2,584	72.5			

TIME START: 1750
TIME ON BOTTOM: 1840

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-31-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 8-4-79
LOGGED BY : FLEINER
UNIT NO. : 1,000' MULTI. 500' PROBE
1ST LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH
START-BATT. ✓ =1139 END-BATT. V=1118

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3,340	62.1	190	1,481	96.3
20	3,340	62.1	200	1,434	97.8
30	3,100	65.0	220	1,362	100.2
40	2,816	68.7	240	1,298	102.3
50	2,684	70.9	260	1,237	104.5
60	2,594	72.3	280	1,201	106.0
70	2,495	73.9	300	1,244	104.2
80	2,365	76.0	320	1,381	99.6
90	2,248	78.1	340	1,526	94.8
100	2,141	80.3	360	1,323	101.5
110	2,035	82.5	380	1,344	100.8
120	1,953	84.2	400	1,335	101.1
130	1,865	86.0	420	1,359	100.3
140	1,797	87.7	~~440~~ 438	1,358	100.3
150	1,752	88.9	460		
160	1,699	90.3	480		
170	1,606	92.7	500		
180	1,538	94.5			

TIME START: 1440 TIME ON BOTTOM: 1530

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

ROSPECT : Beowawe
STATE : Nevada
HOLE NO. : B-31-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 8-14-79
LOGGED BY : klc
UNIT NO. : 1000' meter 500' probe 2nd log

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: Bat Start 1183 Bat End 1166
Checked w/ resistors

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10K 10	3310	62.4	190	1462	96.9
20	3380	61.6	200	1413	98.5
30	3160	64.3	220	1340	100.9
1K 40	2865	68.0	240	1277	103.0
50	2712	70.4	260	1215	105.4
60	2609	72.1	280	1173	107.1
70	2518	73.5	300	1197	106.1
80	2382	75.7	320	1303	102.2
90	2252	78.0	340	1420	98.3
100	2146	80.2	360	1294	102.5
110	2034	82.5	380	1318	101.7
120	1953	84.2	400	1321	101.6
130	1858	86.1	420	1345	100.8
140	1788	88.0	430	1349	100.6
150	1738	89.3	460		
160	1681	90.8	480		
170	1589	93.2	500		
180	1520	95.0			

TIME START: 3:50
TIME ON BOTTOM: 4:30

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-31-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 8-27-79
LOGGED BY : FLEINER
UNIT NO. : 1000'
3RD LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED WITH RESISTORS.
START-BATT. V = 1207 END-BATT. V = 1183

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3,265	63.0	190	1,449	97.3
20	3,415	61.1	200	1,401	98.9
30	3,175	64.1	220	1,327	101.4
40	2,881	67.8	240	1,263	103.5
50	2,726	70.2	260	1,202	105.9
60	2,621	71.9	280	1,157	107.8
70	2,517	73.5	300	1,174	107.1
80	2,383	75.7	320	1,268	103.3
90	2,256	77.9	340	1,350	100.6
100	2,142	80.3	360	1,281	102.9
110	2,035	82.5	380	1,303	102.2
120	1,941	84.4	400	1,315	101.8
130	1,852	86.3	420	1,338	101.0
140	1,780	88.2	~~430~~ 440	1,344	100.8
150	1,729	89.5	460		
160	1,665	91.2	480		
170	1,578	93.5	500		
180	1,507	95.4			

TIME START: 1235 TIME ON BOTTOM: 1330

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-31-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9-21-79
LOGGED BY : FLEINER
UNIT NO. : 1000' 4TH LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START-BATT. V=1183 END-BATT. V=1166

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10K 10	3,235	63.4	190	1,446	97.4
20	3,365	61.8	200	1,397	99.1
30	3,195	63.9	220	1,319	101.6
1K 40	2,892	67.6	240	1,258	103.7
50	2,729	70.1	260	1,195	106.2
60	2,622	71.9	280	1,141	108.5
70	2,524	73.4	300	1,142	108.4
80	2,395	75.5	320	1,208	105.7
90	2,264	77.8	340	1,286	102.7
100	2,151	80.1	360	1,265	103.4
110	2,036	82.4	380	1,281	102.9
120	1,945	84.3	400	1,301	102.2
130	1,851	86.3	420	1,322	101.5
140	1,780	88.2	~~438~~ 440	1,333	101.2
150	1,720	89.7	460		
160	1,655	91.4	480		
170	1,580	93.4	500		
180	1,507	95.4			

TIME START: 1635 TIME ON BOTTOM: 1720

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B- 31 -79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9-24-79
LOGGED BY : FLEINER
UNIT NO. : 1,000'
5TH LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START- BATT. V = 1136 END - BATT. V = 1115

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10K 10	3,175	64.1	190	1,445	97.5
20	3375	61.6	200	1,394	99.2
30	3,215	63.6	220	1,319	101.6
1K 40	2,891	67.6	240	1,254	103.8
50	2,726	70.2	260	1,196	106.2
60	2,619	71.9	280	1,140	108.5
70	2,525	73.4	300	1,142	108.4
80	2,387	75.6	320	1,204	105.8
90	2,262	77.8	340	1,281	102.9
100	2,151	80.1	360	1,263	103.5
110	2,036	82.4	380	1,279	103.0
120	1,944	84.3	400	1,300	102.3
130	1,851	86.3	420	1,321	101.6
140	1,781	88.1	~~430~~ ~~440~~	1,333	101.2
150	1,721	89.7	460		
160	1,655	91.4	480		
170	1,577	93.5	500		
180	1,507	95.4			

TIME START: 1340
TIME ON BOTTOM: 1425

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-32A-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9-20-79
LOGGED BY : FLEINER
UNIT NO. : 1,000'
2ND LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED WITH RESISTORS.
START-BATT. V=1228 END-BATT. V=1204

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	2,483	74.1	190	629	138.4
20	2,176	79.6	200	617	139.3
30	1,843	86.5	220	604	140.5
40	1,521	94.9	240	597	141.2
50	1,251	103.9	260	593	141.6
60	1,167	107.4	280	586	142.2
70	1,095	110.4	300	586	142.2
80	1,016	113.8	320	591	141.7
90	950	117.3	340	601	140.8
100	897	120.1	360	606	140.3
110	771	127.8	380	621	139.0
120	745	129.4	400	645	137.1
130	726	130.7	420	688	133.6
140	710	131.9	440	733	130.2
150	680	134.3	460	771	127.8
160	662	135.7	480	804	125.6
170	650	136.7	500	833	123.7
180	641	137.4	501'	833	123.7

TIME START: 0945
TIME ON BOTTOM: 1040

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV
HOLE NO. : B-32A-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9-7-79
LOGGED BY : FLEINER
UNIT NO. : 1000
15T LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED WITH RESISTORS
START - BATT V = 1164
END - BATT V = 1137

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	2,393	75.5	190	645	137.1
20	2,141	80.3	200	631	138.2
30	1,801	87.6	220	615	139.5
40	1,458	97.0	240	606	140.3
50	1,252	103.9	260	603	140.6
60	1,174	107.1	280	596	141.3
70	1,110	109.8	300	595	141.4
80	1,024	113.4	320	600	140.9
90	947	117.4	340	613	139.7
100	901	119.8	360	612	139.7
110	796	126.1	380	626	138.6
120	767	128.0	400	648	136.8
130	745	129.4	420	696	133.0
140	724	130.8	440	735	130.1
150	694	133.2	460	772	127.7
160	677	134.5	480	806	125.5
170	666	135.4	500	833	123.7
180	660	135.9	501	834	123.7

TIME START: 0930
TIME ON BOTTOM: 1020

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-32-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9-24-79
LOGGED BY : FLEINER
UNIT NO. : 1,000'
3 RD LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START - BATT. V = 1156 END - BATT. V = 1122

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	2,490	74.0	190	628	138.5
20	2,176	79.6	200	617	139.3
30	1,832	86.8	220	603	140.6
40	1,454	97.2	240	596	141.3
50	1,247	104.0	260	592	141.7
60	1,164	107.5	280	586	142.2
70	1,091	110.5	300	586	142.2
80	1,011	114.1	320	590	141.8
90	939	117.9	340	600	140.9
100	897	120.1	360	606	140.3
110	770	127.8	380	621	139.0
120	745	129.4	400	644	137.2
130	725	130.7	420	687	133.7
140	708	132.0	440	730	130.4
150	679	134.4	460	769	127.9
160	662	135.7	480	804	125.6
170	649	136.8	500	832	123.8
180	640	137.5	501	833	123.7

1K Ω

TIME START: 0930
TIME ON BOTTOM: 1020

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV
HOLE NO. : B-33-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 8-26-75
LOGGED BY : FLEINER
UNIT NO. : 1,000'
1ST LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START-BATT. V = 1204 END-BATT. V = 1174

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3,165	64.2	190	1,692	90.5
20	3,515	59.9	~~200~~ 197	1,641	91.8
30	3,425	61.0	220		
40	3,215	63.6	240		
50	2,955	66.8	260		
60	2,831	68.5	280		
70	2,708	70.5	300		
80	2,594	72.3	320		
90	2,485	74.0	340		
100	2,383	75.7	360		
110	2,292	77.2	380		
120	2,205	79.0	400		
130	2,121	80.7	420		
140	2,041	82.3	440		
150	1,968	83.8	460		
160	1,894	85.4	480		
170	1,823	87.0	500		
180	1,753	88.9			

TIME START: 1005
TIME ON BOTTOM: 1035

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-33-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9-11-79
LOGGED BY : FLEINER
UNIT NO. : 1,000'
2ND LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START - BATT. V = 1154 END - BATT. V = 1133

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10K 10	3,195	63.9	190	1,706	90.1
20	3,525	59.8	~~200~~ 197	1,662	91.3
30	3,495	60.1	220		
40	3,285	62.7	240		
50	3,105	65.0	260		
1M 60	2,872	67.9	280		
70	2,749	69.8	300		
80	2,631	71.7	320		
90	2,520	73.5	340		
100	2,415	75.2	360		
110	2,314	76.8	380		
120	2,225	78.6	400		
130	2,134	80.4	420		
140	2,054	82.1	440		
150	1,979	83.6	460		
160	1,902	85.2	480		
170	1,832	86.8	500		
180	1,769	88.5			

TIME START: 1335 TIME ON BOTTOM: 1430

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-33-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9-15-79
LOGGED BY : FLEINER
UNIT NO. : 1,000'
3RD LOG.

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS
START-BATT. V=1182 END-BATT. V=1166

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3,165	64.2	190	1,705	90.1
20	3,505	60.0	197' 200	1,663	91.2
30	3,495	60.1	220		
40	3,295	62.6	240		
50	3,105	65.0	260		
60	2,876	67.8	280		
70	2,747	69.8	300		
80	2,632	71.7	320		
90	2,518	73.5	340		
100	2,413	75.2	360		
110	2,319	76.7	380		
120	2,223	78.6	400		
130	2,137	80.4	420		
140	2,053	82.1	440		
150	1,979	83.6	460		
160	1,903	85.2	480		
170	1,831	86.8	500		
180	1,768	88.5			

TIME START: 1110
TIME ON BOTTOM: 1140

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-35-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 8-26-79
LOGGED BY : FLEINER
UNIT NO. : 1,000
1ST LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED WITH RESISTORS.
START-BATT. V = 1209 END-BATT. V = 1157

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	2,755	69.7	190	2,984	66.5
20	3,515	59.9	200	2,963	66.7
30	3,595	58.9	220	2,925	67.2
40	3,475	60.4	240	2,900	67.5
50	3,365	61.8	260	2,831	68.5
60	3,345	62.0	280	2,767	69.5
70	3,345	62.0	300	2,708	70.5
80	3,325	62.3	320	2,658	71.3
90	3,305	62.5	340	2,608	72.1
100	3,285	62.7	360	2,558	72.9
110	3,255	63.1	380	2,501	73.8
120	3,235	63.4	400	2,441	74.8
130	3,215	63.6	420	2,373	75.8
140	3,195	63.9	440	2,303	77.0
150	3,165	64.2	460	2,243	78.2
160	3,155	64.4	480	2,208	78.9
170	3,125	64.7	~~494~~ 500	2,180	79.5
180	3,105	65.0			

TIME START: 1125
TIME ON BOTTOM: 1225

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-35-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9-15-79
LOGGED BY : FLEINER
UNIT NO. : 1000'
3KD LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED WITH RESISTORS
START-BATT.V = 11.75 END-BATT.V = 11.60

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	2,896	67.6	190	3,125	64.7
20	3,525	59.8	200	3,095	65.1
30	3,705	57.9	220	2,964	66.7
40	3,645	58.4	240	2,921	67.3
50	3,535	59.6	260	2,855	68.1
60	3,485	60.3	280	2,786	69.2
70	3,455	60.6	300	2,724	70.2
80	3,425	61.0	320	2,669	71.1
90	3,395	61.4	340	2,616	72.0
100	3,375	61.6	360	2,561	72.8
110	3,345	62.0	380	2,497	73.9
120	3,315	62.4	400	2,435	74.9
130	3,285	62.7	420	2,369	75.9
140	3,255	63.1	440	2,307	76.9
150	3,235	63.4	460	2,253	78.0
160	3,205	63.7	480	2,213	78.8
170	3,175	64.1	~~495~~ 500	2,179	79.5
180	3,155	64.4			

TIME START: 0930
TIME ON BOTTOM: 1025

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-35-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9-23-79
LOGGED BY : FLEINER
UNIT NO. : 1000'
3RD LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START-BATT.V = 1155
END - BATT. V = 1132

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	2,907	67.4	190	3,135	64.6
20	3,515	59.9	200	3,105	65.0
30	3,705	57.9	220	2,970	66.7
40	3,655	58.4	240	2,926	67.2
50	3,545	59.5	260	2,860	68.0
60	3,495	60.1	280	2,790	69.2
70	3,465	60.5	300	2,729	70.1
80	3,435	60.9	320	2,674	71.0
90	3,405	61.3	340	2,619	71.9
100	3,375	61.6	360	2,563	72.8
110	3,355	61.9	380	2,500	73.8
120	3,325	62.3	400	2,438	74.8
130	3,295	62.6	420	2,372	75.9
140	3,265	63.0	440	2,312	76.8
150	3,245	63.2	460	2,257	77.9
160	3,215	63.6	480	2,215	78.8
170	3,185	64.0	~~494~~ 500	2,183	79.4
180	3,155	64.4			

TIME START: 1255
TIME ON BOTTOM: 1340

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-37-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 8-27-79
LOGGED BY : FLEINER
UNIT NO. : 1,000
1ST LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS
START-BATT. V =1215
END -BATT. V=1189

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	2,977	66.6	190	1,630	92.1
20	3,295	62.6	200	1,597	93.0
30	3,205	63.7	220	1,543	94.4
40	2,975	66.6	240	1,448	97.4
50	2,866	68.0	260	1,394	99.2
60	2,740	70.0	280	1,317	101.7
70	2,613	72.0	300	1,283	102.8
80	2,494	73.9	320	1,290	102.6
90	2,379	75.7	340	1,302	102.2
100	2,274	77.6	360	1,320	101.6
110	2,170	79.7	380	1,353	100.5
120	2,089	81.4	400	1,350	100.6
130	2,005	83.1	420	1,356	100.4
140	1,934	84.5	440	1,365	100.1
150	1,862	86.0	460	1,374	99.8
160	1,797	87.7	480	1,388	99.4
170	1,736	89.3	500	1,387	99.4
180	1,683	90.7			

1K 10K 1K

TIME START: 1035
TIME ON BOTTOM: 1150

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE

STATE : NEV.

HOLE NO. : B-37-79

S.T.R. : _____

DATE COMPLETED : _____

DATE LOGGED : 8-27-79

LOGGED BY : FLEINER

UNIT NO. : 1000' 1ST LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES:

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
~~510~~ 520'	1,386	99.4	190		
~~520~~ 540'	1,386	99.4	200		
~~540~~ 560'	1,383	99.5	220		
~~560~~ 580'	1,378	99.7	240		
~~590~~ 600'	1,366	100.1	260		
~~600~~ 620'	1,362	100.2	280		
~~620~~ 640'	1,352	100.5	300		
~~640~~ 660'	1,342	100.9	320		
~~660~~ 680'	1,330	101.3	340		
~~680~~ 700'	1,319	101.6	360		
~~700~~ 720'	1,306	102.1	380		
~~720~~ 733'	1,298	102.3	400		
130			420		
140			440		
150			460		
160			480		
170			500		
180					

TIME START: _____

TIME ON BOTTOM: _____

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-37-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9-21-79
LOGGED BY : FLEINER
UNIT NO. : 1,000'
2ND LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED WITH RESISTORS.
START-BATT. V=1187 END-BATT. V=1166

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	2,963	66.7	190	1,611	92.6
20	3,305	62.5	200	1,573	93.6
30	3,225	63.5	220	1,505	95.5
40	3,095	65.1	240	1,427	98.1
50	2,883	67.7	260	1,363	100.2
60	2,765	69.6	280	1,295	102.4
70	2,624	71.8	300	1,263	103.5
80	2,501	73.8	320	1,270	103.3
90	2,378	75.8	340	1,286	102.7
100	2,270	77.6	360	1,306	102.1
110	2,168	79.7	380	1,329	101.3
120	3075	81.7	400	1,336	101.1
130	1,994	83.3	420	1,346	100.7
140	1,913	85.0	440	1,356	100.4
150	1,844	86.5	460	1,366	100.1
160	1,771	88.4	480	1,375	99.8
170	1,714	89.9	500	1,379	99.7
180	1,659	91.3			

TIME START: 1440
TIME ON BOTTOM: 1555

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-37-79
S.T.R. : _____

DATE COMPLETED : _____
DATE LOGGED : 9-21-79
LOGGED BY : FLEINER
UNIT NO. : 1,000' 2NDLOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES:

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
~~520~~ 510	1,381	99.6	190		
~~540~~ 520	1,381	99.6	200		
~~560~~ 530	1,379	99.7	220		
~~580~~ 540	1,375	99.8	240		
~~600~~ 550	1,367	100.0	260		
~~620~~ 560	1,360	100.3	280		
~~640~~ 570	1,351	100.6	300		
~~660~~ 580	1,340	100.9	320		
~~680~~ 590	1,329	101.3	340		
~~700~~ 600	1,317	101.7	360		
~~720~~ 610	1,305	102.1	380		
~~733'~~ 620	1,297	102.4	400		
130			420		
140			440		
150			460		
160			480		
170			500		
180					

TIME START: _____ TIME ON BOTTOM: _____

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : Beowawe
STATE : Nevada
HOLE NO. : B-37-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9/27/79
LOGGED BY : JDF-KLC
UNIT NO. : 1000
3rd log

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED WITH RESISTORS
START BATT V = 1110 END BATT V = 1068

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	2932	67.1	190	1601	92.9
20	3285	62.8	200	1564	93.8
30	3235	63.4	220	1496	95.8
40	3095	65.1	240	1419	98.3
50	2884	67.7	260	1355	100.4
60	2756	69.7	280	1287	102.7
70	2625	71.8	300	1254	103.8
80	2509	73.7	320	1261	103.6
90	2380	75.7	340	1277	103.0
100	2271	77.6	360	1297	102.4
110	2164	79.8	380	1318	101.7
120	2073	81.7	400	1327	101.4
130	1990	83.4	420	1337	101.0
140	1905	85.1	440	1347	100.7
150	1837	86.7	460	1357	100.4
160	1767	88.5	480	1366	100.1
170	1705	90.1	500	1371	99.9
180	1652	91.5			

TIME START: 1315
TIME ON BOTTOM: 1345

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROJECT : _____ DATE COMPLETED : _____

STATE : _____ DATE LOGGED : 9-27-79

HOLE NO. : B-37-79 LOGGED BY : JDF KLC

S.T.R. : _____ UNIT NO. : _____

SUMMARY OF LITHOLOGY: Continued 3rd

CALIBRATION NOTES:

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10			190		
~~5~~20	1373	99.8	~~300~~ 200	1309	102.0
30			~~720~~ 220	1298	102.3
~~5~~40	1372	99.9	~~333~~ 240	1289	102.6
			260		
~~5~~60	1371	99.9	280		
70			300		
~~5~~80	1366	100.1	320		
90			340		
~~100~~600	1360	100.3	360		
110			380		
~~120~~620	1352	100.5	400		
130			420		
~~140~~640	1343	100.8	440		
150			460		
~~160~~660	1333	101.2	480		
170			500		
~~180~~ 680	1321	101.6			

TIME START: _____ TIME ON BOTTOM: _____

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-38-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 6-21-79
LOGGED BY : FLEINER
UNIT NO. : 1000'
1ST LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED WITH RESISTORS.
START- BATT. V = 1195 END- BATT. V = 1183

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3,785	57.1	190	2,006	83.1
20	3,605	58.8	200	1,945	84.3
30	3,415	61.1	220	1,912	85.0
40	3,295	62.6	240	1,878	85.7
50	3,175	64.1	260	1,832	86.8
60	2,935	67.1	280	1,784	88.1
70	2,868	67.9	300	1,728	89.5
80	2,801	69.0	320	1,668	91.1
90	2,712	70.4	340	1,610	92.6
100	2,630	71.7	360	1,557	94.0
110	2,562	72.8	380	1,506	95.4
120	2,457	74.5	400	1,462	96.9
130	2,376	75.8	420	1,421	98.3
140	2,308	76.9	440	1,385	99.5
150	2,237	78.3	460	1,347	100.7
160	2,170	79.7	480	1,314	101.8
170	2,112	80.9	~~492'~~ 500	1,295	102.4
180	2,060	82.0			

TIME START: 1325
TIME ON BOTTOM: 1420

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-38-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 6-27-79
LOGGED BY : FLEINER
UNIT NO. : 1,000'
2ND LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START-BATT. V =1168 END-BATT. V=1148

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3,785	57.1	190	2,000	83.2
20	3,625	58.6	200	1,948	84.3
30	3,435	60.9	220	1,910	85.0
40	3,315	62.4	240	1,874	85.8
50	3,195	63.9	260	1,831	86.8
60	2,947	66.9	280	1,782	88.1
70	2,885	67.7	300	1,727	89.6
80	2,805	68.9	320	1,666	91.2
90	2,723	70.2	340	1,608	92.7
100	2,640	71.6	360	1,553	94.1
110	2,553	73.0	380	1,505	95.5
120	2,478	74.2	400	1,460	97.0
130	2,388	75.6	420	1,418	98.4
140	2,306	76.9	440	1,380	99.6
150	2,241	78.2	460	1,346	100.7
160	2,173	79.6	480	1,312	101.9
170	2,120	80.7	~~492~~ 500	1,294	102.5
180	2,060	82.0			

TIME START: 1110
TIME ON BOTTOM: 1200

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE

STATE : NEV.

HOLE NO. : B-39-79

S.T.R. : _____

DATE COMPLETED : _____

DATE LOGGED : 8-26-79

LOGGED BY : FLEINER

UNIT NO. : 1,000' 1ST LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED WITH RESISTORS.

START-BATT.V=1220 END-BATT.V= 1186

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10K 10	3,230	63.4	190	2,533	73.3
20	3,775	57.2	200	2,490	74.0
30	3,795	57.0	220	2,402	75.4
40	3,635	58.5	240	2,313	76.8
50	3,515	59.9	260	2,228	78.5
60	3,435	60.9	280	2,138	80.3
70	3,345	62.0	300	2,057	82.0
80	3,275	62.9	320	1,977	83.7
90	3,195	63.9	340	1,900	85.2
100	3,125	64.7	360	1,823	87.0
1K 110	3,975	66.6	380	1,747	89.0
120	2,909	67.4	400	1,673	91.0
130	2,851	68.2	~~409'~~ ~~420~~	1,646	91.7
140	2,792	69.1	440		
150	2,744	69.9	460		
160	2,689	70.8	480		
170	2,634	71.7	500		
180	2,580	72.5			

TIME START: 0850

TIME ON BOTTOM: 0935

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-39-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9-11-79
LOGGED BY : FLEINER
UNIT NO. : 1,000'
2ND LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED WITH RESISTORS.
START-BATT. V = 1172 END-BATT. V = 1147

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3,225	63.5	190	2,553	73.0
20	3,735	57.7	200	2,508	73.7
30	3,815	56.8	220	2,417	75.1
40	3,675	58.2	240	2,324	76.6
50	3,555	59.4	260	2,236	78.3
60	3,465	60.5	280	2,147	80.2
70	3375	61.6	300	2,064	81.9
80	3,295	62.6	320	1,984	83.5
90	3,215	63.6	340	1,907	85.1
100	3,145	64.5	360	1,830	86.9
110	2,988	66.4	380	1,755	88.8
120	2,929	67.2	400	1675	90.9
130	2,871	67.9	~~420~~ 409	1,652	91.5
140	2,817	68.7	440		
150	2,759	69.7	460		
160	2,703	70.6	480		
170	2,650	71.4	500		
180	2,603	72.2			

TIME START: 1035
TIME ON BOTTOM: 1125

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-46-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9-7-79
LOGGED BY : FLEINER
UNIT NO. : 1,000
15T LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED WITH RESISTORS.
START- BATT. V = 1153 END- BATT. V = 1135

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10K 10	3,345	62.0	190		
20	3,605	58.8	200		
30	3,405	61.3	220		
40	3,205	63.7	240		
1K 50	2,973	66.6	260		
60	2,842	68.3	280		
70	2,647	71.4	300		
80	2,415	75.2	320		
90	2,323	76.6	340		
100	2,202	79.0	360		
110	2,069	81.8	380		
120	1,948	84.3	400		
130	1,840	86.6	420		
140	1,754	88.9	440		
150	1,712	90.0	460		
160	1,715	89.9	480		
~~170~~ 169'	1,725	89.6	500		
180					

TIME START: 1050
TIME ON BOTTOM: 1120

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-46-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9-20-79
LOGGED BY : FLEINER
UNIT NO. : 1000'
2ND LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED WITH RESISTORS.
START-BATT.V = 1220 END-BATT.V = 1200

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3,335	62.1	190		
20	3,595	58.9	200		
30	3,405	61.3	220		
40	3,215	63.6	240		
50	2,971	66.6	260		
60	2,834	68.4	280		
70	2,656	71.3	300		
80	2,411	75.2	320		
90	2,321	76.7	340		
100	2,196	79.2	360		
110	2,072	81.7	380		
120	1,939	84.4	400		
130	1,844	86.5	420		
140	1,759	88.7	440		
150	1,715.	89.9	460		
160	1,708	90.1	480		
~~170~~ 166'	1,714	89.9	500		
180					

TIME START: 1205 TIME ON BOTTOM: 1235

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-47-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 8-17-79
LOGGED BY : FLEINER
1,000, MULTI
UNIT NO. : 500 PROBE
1ST LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS
START- BATT. V = 1190 END- BATT. V = 1165

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3,490	60.2	190	3,130	64.7
20	3,880	56.2	200	3,090	65.2
30	3,840	56.6	220	2,948	66.9
40	3,800	57.0	240	2,892	67.6
50	3,740	57.5	260	2,837	68.4
60	3,670	58.2	280	2,784	69.3
70	3,590	59.0	300	2,730	70.1
80	3,520	59.8	320	2,674	71.0
90	3,490	60.2	340	2,616	71.9
100	3,440	60.8	360	2,572	72.7
110	3,390	61.4	~~380~~ 374	2,542	73.1
120	3,340	62.1	400		
130	3,310	62.4	420		
140	3,280	62.8	440		
150	3,250	63.2	460		
160	3,220	63.6	480		
170	3,200	63.8	500		
180	3,170	64.2			

TIME START: 1005 TIME ON BOTTOM: 1045

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-47-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 8-26-79
LOGGED BY : FLEINER
UNIT NO. : 1000'
2ND LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START- BATT. V = 1172 END - BATT. V = 1152

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10K 10	3,685	58.1	190	3,145	64.5
20	4035	54.7	200	3,105	65.0
30	3,935	55.7	220	2,954	66.9
40	3,865	56.3	240	2,898	67.6
50	3,815	56.8	260	2,841	68.3
60	3,735	57.6	280	2,787	69.2
70	3,665	58.3	300	2,732	70.1
80	3585	59.0	320	2,677	71.0
90	3,535	59.6	340	2,623	71.8
100	3475	60.4	360	2,574	72.6
110	3,415	61.1	374' 380	2,545	73.1
120	3,365	61.8	400		
130	3,335	62.1	420		
140	3,295	62.6	440		
150	3,265	63.0	460		
160	3,235	63.4	480		
170	3215	63.6	500		
180	3,175	64.1			

TIME START: 1310
TIME ON BOTTOM: 1400

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV
HOLE NO. : B-47-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9-11-79
LOGGED BY : FLEINER
UNIT NO. : 1,000
3RD LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED WITH RESISTORS
START- BATT. V = 1165 END- BATT. V = 1139

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3,555	59.4	190	3,135	64.6
20	4,015	54.9	200	3,105	65.0
30	3,955	55.5	220	2,954	66.9
40	3,885	56.2	240	2,898	67.6
50	3,825	56.7	260	2,842	68.3
60	3,765	57.3	280	2,789	69.2
70	3,675	58.2	300	2,735	70.0
80	3,595	58.9	320	2,681	70.9
90	3,535	59.6	340	2,629	71.7
100	3,485	60.3	360	2,578	72.6
110	3,425	61.0	~~380~~ 374	2,535	73.2
120	3,365	61.8	400		
130	3,335	62.1	420		
140	3,295	62.6	440		
150	3,265	63.0	460		
160	3,235	63.4	480		
170	3,205	63.7	500		
180	3,175	64.1			

TIME START: 12 15
TIME ON BOTTOM: 1305

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-47-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9-15-79
LOGGED BY : FLEINER
UNIT NO. : 1,000

SUMMARY OF LITHOLOGY:

LOG 4TH

CALIBRATION NOTES: CHECKED, WITH RESISTORS.

START- BATT. V=1180 END- BATT. V=1159

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3,575	59.1	190	3,135	64.6
20	4,015	54.9	200	3,105	65.0
30	3,965	55.4	220	2,953	66.9
40	3,885	56.2	240	2,896	67.6
50	3,825	56.7	260	2,841	68.3
60	3,765	57.3	280	2,789	69.2
70	3,685	58.1	300	2,734	70.1
80	3,605	58.8	320	2,680	70.9
90	3,535	59.6	340	2,627	71.8
100	3,485	60.3	360	2,577	72.6
110	3,425	61.0	~~380~~ 374'	2,535	73.2
120	3,365	61.8	400		
130	3,335	62.1	420		
140	3,295	62.6	440		
150	3,265	63.0	460		
160	3,235	63.4	480		
170	3,205	63.7	500		
180	3,175	64.1			

TIME START: 1220 TIME ON BOTTOM: 1310

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

'ROSPECT : BEOWAWE

STATE : NEV.

HOLE NO. : B-48-79

S.T.R. :

DATE COMPLETED :

DATE LOGGED : 8-17-79

LOGGED BY : FLEINER

UNIT NO. : 1,000' MULTI 500' PROBE 1ST LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START-BATT. V = 1188 END-BATT. V = 1165

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3,220	63.6	190	1364	100.1
20	3,380	61.6	200	1,304	102.1
30	3,210	63.7	220	1,210	105.6
40	2,900	67.5	240	1,131	108.9
50	2,754	69.7	260	1,065	111.6
60	2,634	71.7	280	1,016	113.8
70	2,514	73.6	300	966	116.5
80	2,404	75.3	320	923	118.7
90	2,288	77.3	340	890	120.4
100	2,181	79.5	360	871	121.4
110	2058	82.0	380	824	124.3
120	1,933	84.6	400	789	126.6
130	1,808	87.4	420	741	129.7
140	1,691	90.5	440	705	132.3
150	1,600	92.9	460	675	134.7
160	1,543	94.4	~~480~~ 477'	652	136.5
170	1,476	96.4	500		
180	1,420	98.3			

TIME START: 1120

TIME ON BOTTOM: 1210

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-48-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 8-22-79
LOGGED BY : FLEINER
UNIT NO. : 1,000' MULTI 500' PROBE
2ND LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED WITH RESISTORS.
START-BATT.V=1178 END-BATT.V=1156

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3,230	63.4	190	1,363	100.2
20	3,410	61.2	200	1,304	102.1
30	3,240	63.3	220	1,211	105.5
40	2,943	67.0	240	1,133	108.8
50	2,782	69.3	260	1,067	111.6
60	2,659	71.3	280	1,018	113.7
70	2,537	73.2	300	969	116.3
80	2,424	75.0	320	926	118.5
90	2,305	76.9	340	893	120.3
100	2,195	79.2	360	865	121.7
110	2,068	81.8	380	820	124.6
120	1,943	84.4	400	786	126.8
130	1,817	87.2	420	742	129.6
140	1,700	90.3	440	709	132.0
150	1,606	92.7	460	678	134.4
160	1,546	94.3	~~480~~ 477	655	136.3
170	1,481	96.3	500		
180	1,425	98.1			

TIME START: 1435
TIME ON BOTTOM: 1525

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-49-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 6-27-79
LOGGED BY : FLEINER
UNIT NO. : 1000'
1ST LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START-BATT.V =1167 END-BATT.V=1145

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10K Ω 10	3,935	55.7	190	2,732	70.1
20	3,955	55.5	200	2,672	71.1
30	3,805	56.9	220	2,602	72.2
40	3,715	57.8	240	2,513	73.6
50	3,645	58.4	260	2,434	74.9
60	3,575	59.1	280	2351	76.2
70	3,505	60.0	300	2,290	77.2
80	3,445	60.8	320	2,203	79.0
90	3,365	61.8	340	2,144	80.2
100	3,265	63.0	360	2,077	81.6
110	3,225	63.5	380	2,006	83.1
120	3,175	64.1	400	1,951	84.2
130	3,125	64.7	420	1,901	85.2
140	3,095	65.1	440	1,857	86.2
1K Ω 150	2,973	66.6	460	1,844	86.5
160	2,951	66.9	480	1,841	86.6
170	2,847	68.2	~~500~~ 495'	1,841	86.6
180	2,790	69.2			

TIME START: 1235
TIME ON BOTTOM: 1330

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE

STATE : NEV.

HOLE NO. : B-49-79

S.T.R. :

DATE COMPLETED : _____

DATE LOGGED : 8-5-79

LOGGED BY : FLEINER

UNIT NO. : 1,000' MULTI. 500' PROBE
2ND LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS
START- BATT. V = 1135 END- BATT. V = 1102

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10K Ω 10	3,920	55.8	190	2,773	69.4
20	4,110	54.0	200	2,725	70.2
30	3,950	55.5	220	2,626	71.8
40	3,840	56.6	240	2,523	73.4
50	3,760	57.4	260	2,434	74.9
60	3,680	58.1	280	2,351	76.2
70	3,610	58.8	300	2,272	77.6
80	3,540	59.5	320	2,199	79.1
90	3,440	60.8	340	2,133	80.5
100	3,370	61.7	360	2,067	81.8
110	3,330	62.2	380	1,995	83.3
120	3,260	63.1	400	1,941	84.4
130	3,200	63.8	420	1,890	85.4
140	3,130	64.7	440	1,860	86.1
1K Ω 150	2,992	66.4	460	1,852	86.3
160	2,934	67.1	480	1,851	86.3
170	2,879	67.8	~~489~~ 500	1,852	86.3
180	2,824	68.6			

TIME START: 0815

TIME ON BOTTOM: 0905

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-49-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9-20-79
LOGGED BY : FLEINER
UNIT NO. : 1,000
3RD LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START-BATT. V = 1208
END-BATT. V = 1187

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10K 10	3,675	58.4	190	2,770	69.5
20	4,015	54.9	200	2,721	70.3
30	3,945	55.6	220	2,624	71.8
40	3,845	56.5	240	2,525	73.4
50	3,755	57.4	260	2,436	74.8
60	3,685	58.1	280	2,351	76.2
70	3,605	58.8	300	2,272	77.6
80	3,535	59.6	320	2,200	79.1
90	3,425	61.0	340	2,132	80.5
100	3,355	61.9	360	2,069	81.8
110	3,315	62.4	380	1,995	83.3
120	3,255	63.1	400	1,940	84.4
130	3,195	63.9	420	1,888	85.5
140	3,145	64.5	440	1,851	86.3
150	3,085	65.2	460	1,840	86.6
1K 160	2,939	67.0	480	1,838	86.7
170	2,883	67.7	~~494~~ ~~500~~	1,839	86.6
180	2,825	68.6			

TIME START: 1545
TIME ON BOTTOM: 1630

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-50-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 8-3-79
LOGGED BY : FLEINER
UNIT NO. : 1000' MULTI, 500' PROBE
1ST LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START - BATT. V = 1137 END - BATT. V = 1118

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3,600	58.9	190	2,619	71.9
20	3,750	57.4	200	2,545	73.1
30	3,640	58.5	220	2,415	75.2
40	3,570	59.2	240	2,300	77.0
50	3,490	60.2	260	2,212	78.8
60	3,440	60.8	280	2,111	80.9
70	3,380	61.6	300	2,027	82.6
80	3,310	62.4	320	1,999	83.2
90	3,240	63.3	~~340~~ 321'	1,999	83.2
100	3,160	64.3	360		
110	2,983	66.5	380		
120	2,927	67.2	400		
130	2,880	67.8	420		
140	2,830	68.5	440		
150	2,782	69.3	460		
160	2,741	69.9	480		
170	2,699	70.6	500		
180	2,643	71.5			

10K Ω
1K Ω

TIME START: 1030 TIME ON BOTTOM: 1110

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-50-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9-20-79
LOGGED BY : FLEINER
UNIT NO. : 1,000'
2ND LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START - BATT. V = 1210
END - BATT. V = 1191

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10K ~ 10	3495	60.1	190	2,602	72.2
20	3,845	56.5	200	2,542	73.1
30	3775	57.2	220	2,437	74.8
40	3665	58.3	240	2,310	76.9
50	3595	58.9	260	2,214	78.8
60	3525	59.8	280	2,115	80.8
70	3,455	60.6	300	2,003	83.1
80	3385	61.5	320	1,987	83.5
90	3315	62.4	~~324~~ 340	1,983	83.5
100	3235	63.4	360		
110	3145	64.5	380		
120	3095	65.1	400		
1K ~ 130	2952	66.9	420		
140	2,891	67.6	440		
150	2826	68.6	460		
160	2,767	69.5	480		
170	2,710	70.4	500		
180	2,652	71.4			

TIME START: 1425
TIME ON BOTTOM: 1520

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-50-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9-24-79
LOGGED BY : FLEINER
UNIT NO. : 1,000
3RD LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START- BATT. V =1137 END- BATT. V=1117

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3,485	60.3	190	2,602	72.2
20	3,835	56.6	200	2,547	73.1
30	3,775	57.2	220	2,437	74.8
40	3,675	58.2	240	2,309	76.9
50	3,595	58.9	260	2,212	78.8
60	3,525	59.8	280	2,110	80.9
70	3,465	60.5	300	2,005	83.1
80	3,385	61.5	320	1,989	83.4
90	3,315	62.4	~~340~~ 324	1,984	83.5
100	3,235	63.4	360		
110	3,155	64.4	380		
120	3,095	65.1	400		
130	2,955	66.8	420		
140	2,889	67.7	440		
150	2,827	68.6	460		
160	2,765	69.6	480		
170	2,713	70.4	500		
180	2,653	71.4			

OK

1K

TIME START: 1210 TIME ON BOTTOM: 1300

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : CA
HOLE NO. : B-51-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 8-3-79
LOGGED BY : FLEINER
UNIT NO. : 1000, MULTI. 500 PROBE
1ST LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START-BATT. V = 1148 END-BATT. V = 1122

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10K Ω 10	3,740	57.5	190	2,427	75.0
20	3,830	56.7	200	2,387	75.6
30	3,640	58.5	220	2,308	76.9
40	3,520	59.8	240	2,233	78.4
50	3,440	60.8	260	2,166	79.8
60	3,370	61.7	280	2,102	81.1
70	3,290	62.7	300	2,042	82.3
80	3,200	63.8	320	1,983	83.5
90	3,150	64.4	340	1,927	84.7
15K Ω 100	2,998	66.3	360	1,870	85.9
110	2,927	67.2	380	1,817	87.2
120	2,853	68.1	400	1,769	88.5
130	2,771	69.5	415' ~~420~~	1,731	89.5
140	2,675	71.0	440		
150	2,611	72.0	460		
160	2,562	72.8	480		
170	2,511	73.6	500		
180	2,476	74.2			

TIME START: 0915 TIME ON BOTTOM: 1005

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-51-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9-20-79
LOGGED BY : FLEINER
UNIT NO. : 1,000'
2ND LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED WITH RESISTORS.
START-BATT. V = 1215
END - BATT. V = 1194

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10K 10	3,585	59.0	190	2,440	74.8
20	3,835	56.6	200	2,396	75.5
30	3715	57.8	220	2,313	76.8
40	3,585	59.0	240	2,235	78.4
50	3,485	60.3	260	2,167	79.8
60	3405	61.3	280	2,102	81.1
70	3325	62.3	300	2,041	82.3
80	3,225	63.5	320	1,980	83.6
90	3,175	64.1	340	1,922	84.8
100	3,115	64.9	360	1,867	85.9
1K 110	2,959	66.8	380	1,813	87.3
120	2,883	67.7	400	1,761	88.7
130	2,801	69.0	418' ~~420~~	1,717	89.8
140	2,726	70.2	440		
150	2,627	71.8	460		
160	2,572	72.7	480		
170	2,526	73.4	500		
180	2,483	74.1			

TIME START: 1305
TIME ON BOTTOM: 1355

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-51-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9-24-79
LOGGED BY : FLEINER
UNIT NO. : 1,000'
3RD LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED WITH RESISTORS.
START- BATT. V = 1140 END - BATT. V = 1119

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10K 10	3,555	59.4	190	2,436	74.8
20	3,835	56.6	200	2,396	75.5
30	3,705	57.9	220	2,313	76.8
40	3,575	59.1	240	2,236	78.3
50	3,485	60.3	260	2,166	79.8
60	3,405	61.3	280	2,101	81.1
70	3,325	62.3	300	2,040	82.4
80	3,225	63.5	320	1,981	83.6
90	3,175	64.1	340	1,923	84.8
100	3,115	64.9	360	1,866	85.9
1K 110	2,960	66.8	380	1,812	87.3
120	2,887	67.7	400	1,763	88.6
130	2,797	69.0	418 ~~420~~	1,717	89.8
140	2,710	70.4	440		
150	2,626	71.8	460		
160	2,574	72.6	480		
170	2,527	73.4	500		
180	2,484	74.1			

TIME START: 1100
TIME ON BOTTOM: 1145

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : Beowawe
STATE : Nevada
HOLE NO. : B-54-79
S.T.R. :

DATE COMPLETED : 6-25-79
DATE LOGGED : 7-4-79
LOGGED BY : K/c & EJ.
UNIT NO. : 1000' 1st log

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: Start - 1160 ; checked with resistors
End - 1121

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3795	57.0	190	3205	63.7
20	3885	56.2	200	3175	64.1
30	3685	58.1	220	3125	64.7
40	3615	58.7	240	~~3060~~ 2994	~~65.2~~ 66.4
50	3595	58.9	260	~~2945~~ 2953	~~65.7~~ 66.9
60	3555	59.4	280	2915	67.3
70	3535	59.6	300	2882	67.7
80	3505	60.0	320	2818	68.7
90	3475	60.4	340	2775	69.4
100	3445	60.8	360	2728	70.1
110	3425	61.0	380	2694	70.7
120	3395	61.4	400	2654	71.3
130	3365	61.8	420	2615	72.0
140	3335	62.1	440	2577	72.6
150	3305	62.5	~~460~~	2572	72.7
160	3275	62.9	480		
170	3255	63.1	500		
180	3225	63.5			

TIME START: 9:00AM
TIME ON BOTTOM: 10:30

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-54-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 8-5-79
LOGGED BY : FLEINER
UNIT NO. : 1,000' MULTI. 500' PROBE 2ND LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START- BATT. V = 1121 END- BATT. V = 1096

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3,700	57.9	190	3,240	63.3
20	3,960	55.4	200	3,210	63.7
30	3,800	57.0	220	3,160	64.3
40	3,720	57.7	240	3,110	64.9
50	3,680	58.1	260	2,978	66.6
60	3,640	58.5	280	2,936	67.1
70	3,610	58.8	300	2,890	67.7
80	3,580	59.1	320	2,830	68.5
90	3,540	59.6	340	2,783	69.3
100	3,510	60.0	360	2,738	70.0
110	3,480	60.2	380	2,703	70.6
120	3,450	60.7	400	2,661	71.2
130	3,420	61.1	420	2,620	71.9
140	3,390	61.4	~~440~~ 435	2,589	72.4
150	3,360	61.8	460		
160	3,320	62.3	480		
170	3,290	62.7	500		
180	3,280	62.8			

TIME START: 0930
TIME ON BOTTOM: 1015

CHEVRON RESOURCES COMPANY
GEOTHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : BEOWAWE
STATE : NEV.
HOLE NO. : B-54-79
S.T.R. :

DATE COMPLETED :
DATE LOGGED : 9-20-79
LOGGED BY : FLEINER
UNIT NO. : 1,000'
3RD LOG

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS.
START-BATT.V=1211 END-BATT.V=1184

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3,375	61.6	190	3,245	63.2
20	3,875	56.3	200	3,215	63.6
30	3815	56.8	220	3,155	64.4
40	3,725	57.7	240	3105	65.0
50	3,685	58.1	260	2,974	66.6
60	3,645	58.4	280	2,933	67.1
70	3,605	58.8	300	2,890	67.7
80	3575	59.1	320	2,828	68.5
90	3,545	59.5	340	2,784	69.3
100	3,515	59.9	360	2,732	70.1
110	3,485	60.3	380	2,699	70.6
120	3,455	60.6	400	2,661	71.2
130	3,415	61.1	420	2,617	71.9
140	3,385	61.5	439	2,578	72.6
150	3,355	61.9	460		
160	3,325	62.3	480		
170	3,285	62.7	500		
180	3,275	62.9			

TIME START: 1655
TIME ON BOTTOM: 1740