# CHEVRON RESOURCES

Property: Diamond  Sec. ____  T 8  R 3  State: Maine  Drill Hole No. MH-12-1  Sheet 1 of 7

Scale 1" = 10'  Coord. N 16S  E 15.5W  Bearing SE  Dip 50°  Collar Elev. ____  L16S, 15.5W

Logged by: J. Drumm  June 18, 1987

| Hole Depth | Rock Type & Structures | Mineralization and Alteration | % Rec. | Interval | Rec. ftg. | Number | Cu | Pb | Zn | Ag | Au | As |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | Overburden (OB) | | | | | | | | | | | |
| 10 | (V-AT) Grey massive to poorly bedded ash tuff. Rock is highly broken, oxidized and weathered down to 34'. Jelsie. | ash tuff contains 1% diss. py. and 2-3% wisps of po. Occasional small breccia veinlets (?) with quartz-calcite filling that contain ≈5% py ± po. | | | | | | | | | | |
| 20 | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | |
| 40 | | 45.3' - 1" zone with abundant po lenticular comprising 10% of rock. | | | | | | | | | | |
| 50 | | | | | | | | | | | | |
| 57 | gradational contact similar to above but more massive (no bedding) | Partially chloritized mafic phenos. | | | | | | | | | | |
| 60 | Grey porphyritic tuff - with mafic phenos ≈7% - andesitic (V-XT) - could be part of tuff unit with a phenocryst-bearing zone. Jelsie | | | | | | | | | | | |
| 70 | gradational contact | | | | | | | | | | | |
| 72.4 | (V-AT) same as above at 20' | Tuff contains 2-5% diss. and wisps of po. | | | | | | | | | | |
| 80 | | | | | | | 53 | 380 | 153 | | | 11 |
| 85.3 | (V-TB) - Tuff breccia (?) with angular frag. of ash tuff in black matrix. Not sure if this is an epoxy matrix although there are positive indications of brecciation. Possibly quartzite clasts in conformable tuff. Jelsie. Wants to call it a lava and tuff. 94-95.5 - Zone of large frag. of banded pyritic ash tuff. | abundant calcite in matrix of breccia. Breccia contains 5-10% diss. py. in matrix and in frags. Some frags contain pyrite bands. | | | | | 33 | 28 | 40 | | | |
| 90 | | | | | | | 38 | 27 | 61 | | | |
| 98.1 | (V-AT) - ash tuff - same description as at 20' | | | | | | | | | | | |
| 100 | | | | | | | 69 | 19 | 71 | | | |

(cont)

analyze 80-85.3
85.3-90
90-98.1
98.1-110
110-115

# CHEVRON RESOURCES

Property Diamond Sec. ____ T 8 R 3 State Maine Drill Hole No. MH-12-1 Sheet 2 of 7

Scale 1" = 10' Coord. N 16S E 15.5W Bearing SE Dip 50° Collar Elev. ____

Logged by J. Smith June 18, 1987

| Rock Type & Structures | Mineralization and Alteration | Hole Depth | % Rec. | Interval | Rec. ftg. | Number | Cu | Pb | Zn | Ag | Au | As | m |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (V-AT) | Ash tuff contains 1-5% diss., wisps and lamellae of po ± py throughout | | | | | | 69 | 19 | 71 | | | | |
| | | | | | | | 53 | 9 | 65 | | | | |
| Rock displays occasional auto-brecciated zones | | | | | | | | | | | | | |
| 122-150' zones with quartz phenos? | Quartz-calcite veinlets and bands are common | | | | | | | | | | | | |
| 166-167' - broken zone with deep oxidation. minor structure. | | | | | | | | | | | | | |
| 178-193 - Somewhat broken zone with abundant quartz-calcite veins + veinlets. minor brecciation. | abundant quartz-calcite veining in broken zone. 1-5% py ± po in fractures and in irregular veinlets. trace cp in veinlet at 191'. | | | | | | 53 | 160 | 99 | | | | |
| | | | | | | | 72 | 5 | 84 | | | | |
| | | | | | | | 61 | 3 | 63 | | | | 7 |
| | | | | | | | 52 | 13 | 64 | | | | 3 |
| | | | | | | | 71 | 42 | 320 | | | | 1 |
| | | | | | | | 50 | 78 | 216 | | | | 2 |

analyze 175-200 - 5 foot samples

# CHEVRON RESOURCES

Property Diamond Sec. ____ T 8 R 3 State Maine Drill Hole No. MH-12-1 Sheet 3 of 7

Scale 1" = 10' Coord. N 16 S E 15.5 W Bearing 5 E Dip 41.5° Collar Elev ____

Logged by J. Summitt June 19, 1987

| Depth | Rock Type & Structures | Mineralization and Alteration | Hole Depth | % Rec. | Sample Interval | Sample Rec. ft/q | Sample Number | Cu | Pb | Zn | Ag | Au | As |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 200 | (V-AT) | 206-251' and at 260-265' ash tuff and Breccia contains 2-10% disg. and wisps and laminated | | | | | | 50 | 78 | 216 | <.2 | .011 | 8 |
| 206 | (V-TB) - tuff breccia. Looks like auto-brecciated or "clast-to-vent" facies | | | | | | | 59 | 45 | 270 | <.2 | .009 | - |
| 210 | of ash tuff above and below. light gray, felsic. | py ± po. ± sp. ± Sb. occurs in laminated beds with occasional pyrite. Good specimens occur at 213', 217, 223, 226' and 265', where sp comprise 10% of rock over short distance (0.5-3"). | | | | | | 81 | 109 | 950 | .2 | .029 | 87 |
| | | | | | | | | 91 | 148 | 1810 | .2 | .022 | 5 |
| 220 | gradational contact | | | | | | | 121 | 165 | 1480 | .3 | .035 | 31 |
| 221.7 | (V-AT) - ash tuff - gray felsic. massive to poorly bedded. Same description as ash tuff throughout hole to this point. Some disturbed and autobrecciated zones of mica (1-2') thickness. Rock contains occasional rounded + broken jelog crystals. | 55 229-240 - abundant quartz - calcite veinlets | | | | | | 81 | 47 | 1320 | <.2 | .009 .023 | 34 |
| 230 | | | | | | | | 74 | 173 | 960 | .2 | .009 | 47 |
| | | | | | | | | 54 | 10 | 109 | <.2 | .008 | 7 |
| 240 | 240-241 - lapilli zone | | | | | | | 70 | 16 | 750 | <.2 | .012 | 19 |
| | | 246.5-247.5 - rock contains 7-10% bands and blebs of py, po, and sp. | | | | | | 116 | 87 | 820 | .2 | .045 | 180 |
| 250 | | 60 ~254-263 - more quantities finely disc. arsenopyrite | | | | | | 84 | 76 | 460 | .2 | .023 | 520 |
| | 257-263 - Some minor lapilli bearing zones. | 263-265.1 - 1% finely disseminated, wisps and blebs of arsenopyrite (analyze for Au!) | | | | | | 71 | 35 | 219 | <.2 | .010 | 13 |
| 260 | | | | | | | | 104 | 49 | 337 | <.2 | <.005 | 70 |
| | | | | | | | | 136 | 178 | 8000 | .6 | .030 | 480 |
| | | 267-275 - Broken zone with abundant quartz-calcite veinlets 3-5% po ± py ± sp in veinlets and blebs. | | | | | | 89 | 19 | 272 | <.2 | .012 | 136 |
| 270 | | | | | | | | 133 | 58 | 910 | .3 | .010 | 75 |
| 272.5 | (V-AXLT) Crystal lithic ash tuff - gray - felsic. Similar to above but with 5-20% rounded to subangular lapilli - sized (1-5 mm) fragments of ash tuff. 3-10% lithic clasts. Lit can see at least high-power in some (crystals) 285' - some zones lack fragments. Just massive ash tuff, same as what occurs throughout hole to this point. | 50 lithic tuff generally contains 1-2% disseminated and wisps + blebs of po ± py ± sp | | | | | | 65 | 2 | 173 | .7 | .041 | 10 |
| 280 | | 285.7-286.3 - slight discoloration (probably due to K(?) alteration + silicification in zone with 5-10% po ± py ± sp ± epidote and veinlets. | | | | | | 112 | 51 | 235 | <.3 | .039 | 15 |
| | | | | | | | | 119 | 31 | 230 | 1.6 | .041 | 15 |
| 290 | | | | | | | | 51 | 3 | 107 | .4 | .039 | 10 |
| | | 55 | | | | | | 39 | <2 | 74 | <.2 | .041 | 2 |
| 300 | | | | | | | | | | | | | |

analyze 200-263 (5' samples)
263-265.1 (1 sample) Au + Ag
265.1-270
270-277
277-285
285-287
287-290
290-300 5 foot samples

acid survey at 245' = 41.5

# CHEVRON RESOURCES

Property Diamond Sec. ____ T 8 R 3 State Maine Drill Hole No. MH-12-1 Sheet 4 of 7

Scale 1" = 10' Coord. N 16S E 15.5W Bearing SE Dip 41.5° Collar Elev ____

Logged by J. Smith June 19, 1987

| Depth | Rock Type & Structures | Mineralization and Alteration | Hole Depth | % Rec. | Interval | Rec. ftg. | Number | Cu | Pb | Zn | Ag | Au | As |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 300 | (V-ALiT) | | | | | | | 35 | <2 | 69 | <.2 | .005 | <2 |
| | gradational contact | | | | | | | | | | | | |
| 308 | (V-AT) - same grey felsic | ash tuff contains 1-2% diss. and laminated py + po | | | | | | | | | | | |
| 310 | massive to poorly bedded ash tuff. (pare to no lithics). | | | | | | | 61 | 2 | 81 | <.2 | .011 | 3 |
| | 309.5 - 6" tuff breccia zone - conformable | | | | | | | 79 | <2 | 70 | <.2 | .021 | 5 |
| 320 | 315.5 - 316.5 - tuff breccia | | | | | | | 81 | <2 | 88 | <.2 | .012 | 4 |
| 323 | (V-AT) + (V-TB) - mixed zone of same ash tuff (grey massive felsic) with some auto-brecciated or "near-vent" | Breccias tend to contain 5-8% py ± po. abundant calcite in matrix and as veinlets in breccia. Traces cp. | | | | | | 161 | <2 | 222 | <.1 | .020 | 48 |
| 330 | facies of tuff breccia. minor lapilli-bearing zones. | | | | | | | 208 | <2 | 168 | .1 | .029 | 15 |
| | | | | | | | | 128 | <2 | 89 | <.1 | .006 | 62 |
| 340 | | | | | | | | 77 | <2 | 184 | <.1 | .011 | 10 |
| | | | | | | | | 66 | 5 | 548 | <.1 | .016 | 12 |
| 347 | (V-AT) - same grey felsic | ash tuff contains 3-7% disseminated and laminated po ± py. Traces cp + sp | | | | | | 257 | 53 | 227 | .4 | .147 | 380 |
| 350 | ash tuff but better bedding. Some lapilli-bearing and slightly disturbed partially-brecciated zones. | 365' - abundant sp wisps + lamellae (5% in a 2" thick zone) with accessory cp. | | | | | | 480 | 188 | 564 | 1.5 | .322 | 112 |
| 360 | | | | | | | | 241 | 39 | 153 | .2 | .325 | 175 |
| | | | | | | | | 338 | 193 | 830 | .7 | .460 | 170 |
| 370 | | | | | | | | 217 | 56 | 140 | .2 | .211 | 175 |
| | 377.25 ↓ - Start of a sequence of alternating ash tuff and black slate to bottom of hole. | | | | | | | 34 | 8 | 84 | <.1 | .019 | 3 |
| 377.25 | (S-SL) - Grey + black banded | Slate contains 2-3% laminated py + po with trace cp. | | | | | | 78 | 5 | 97 | .1 | .017 | 4 |
| 380 | tuffaceous argillaceous (graphitic in some zones) slate. Weakly to strongly conductive. abundant bands lamellae, and blocks + lapilli of tuff. | | | | | | | 48 | 15 | 93 | <.1 | .007 | 3 |
| 390 | abundant calcite in tuff bands and as veinlets and bands in slate ("sweated-out"). | | | | | | | 48 | 16 | 86 | <.1 | .072 | 5 |
| | | | | | | | | 61 | 13 | 94 | <.1 | .006 | 9 |
| 400 | | | | | | | | 215 | 12 | 123 | .6 | .013 | 10 |

analyze. 300-308
308-323 - five foot samples
323-347 - five foot samples
347-400 - 5 foot samples

# CHEVRON RESOURCES

Property Diamond Sec. ____ T 8 R 3 State Maine Drill Hole No. MH-12-1 Sheet 5 of 7

Scale 1" = 10' Coord. N 16 S E 15.5 W Bearing SE Dip 41.5 Collar Elev ____

Logged by J. Summitt June 19, 1987

| Rock Type & Structures | Mineralization and Alteration | Hole Depth | | % Rec. | Interval | Rec. ftg. | Number | Cu | Pb | Zn | Ag | Au | As |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 400 (S-SL) | | | | | | | | | | | | | |
| 410 | | | | | | | | | | | | | |
| 420 | 70 | | | | | | | | | | | | |
| 430 | | | | | | | | | | | | | |
| 440 | | | | | | | | | | | | | |
| 450 | 70 | | | | | | | | | | | | |
| 460 | | | | | | | | | | | | | |
| 470 | | | | | | | | | | | | | |
| 480 | 70 | | | | | | | | | | | | |
| 490 | | | | | | | | | | | | | |
| 497.8 | 65 | | | | | | | | | | | | |
| 500 (V-AT) massive to poorly-bedded grey-green ash tuff. Abundant calcite in bands and veinlets. | 1-2% po + py as fine lamellae and wisps in tuff | | | | | | | | | | | | |

# CHEVRON RESOURCES

Property Diamond Sec. ____ T 8 R 3 State Maine Drill Hole No. MH-12-1 Sheet 6 of 7

Scale 1" = 10' Coord. N 165 E 15.50 Bearing SE Dip 36° Collar Elev. ____

Logged by J. Smith June 30, 1987

| Rock Type & Structures | Mineralization and Alteration | Hole Depth | % Rec. | Interval | Rec. ftg. | Number | SAMPLE | ASSAY |
|---|---|---|---|---|---|---|---|---|
| 500 (V-AT.) | | | | | | | | |
| 504.25 (S-SL) - Black slate. | | | | | | | | |
| 505 (V-AT) - grey green massive to poorly bedded ash tuff. (Same as at 500.) | Bands + veinlets of py in slate 1-2% disseminated py + po in tuff. | | | | | | | |
| 510 | | | | | | | | |
| tuff displays a weakly developed brecciated texture due to slumping and/or reworking? | | | | | | | | |
| 520 | 65 | | | | | | | |
| 520-525 - rock contains 10-15% lapilli. | | | | | | | | |
| 530 | | | | | | | | |
| soft. sed. deformation at contact | | | | | | | | |
| 535 (S-SL) - Black banded tuffaceous and argillaceous slate. Conductive. | 2-3% diss. + finely laminated py + po in slate. | | | | | | | |
| 540 | | | | | | | | |
| 545.5 | 60 | | | | | | | |
| (V-AT) grey massive to poorly bedded ash tuff (Same as above) | 2% diss. py + po. | | | | | | | |
| 550 | | | | | | | | |
| 560 (S-SL) black tuffaceous slate | | | | | | | | |
| 560.5 (V-AT) grey-green poorly bedded ash tuff with occasional minor (2-3") bands of black slate | 1% disseminated and wisps of po + py. in tuff. | | | | | | | |
| 570 | 60 | | | | | | | |
| 580 | | | | | | | | |
| | 70 | | | | | | | |
| lapilli become more abundant with depth. | | | | | | | | |
| 590 | | | | | | | | |
| 596.7 | | | | | | | | |
| 598.3 (S-SL) black tuffaceous well bedded slate. Contact of tuff. | 70 | | | | | | | |
| 600 (V-AT) - same grey poorly to moderately bedded ash tuff minor black slate bands. lapilli beds have 5-10% | <1% diss. py + po in tuff. | | | | | | | |

acid survey at 525' = 36°

# CHEVRON RESOURCES

Property Diamond Sec. ____ T 8 R 3 State Maine Drill Hole No. MH-12-1 Sheet 7 of 7

Scale 1" = 10' Coord. N 16S E 15.5W Bearing SE Dip 36°? Collar Elev. ____

Logged by J. Immitt June 30, 1987

| Depth | Rock Type & Structures | Mineralization and Alteration | Hole Depth | % Rec. | Interval | Rec. ftg. | Number | SAMPLE | ASSAY |
|---|---|---|---|---|---|---|---|---|---|
| 600 | (V-AT) abundant calcite throughout tuff. | 65 | | | | | | | |
| 610 | Occasional clasts + swirly-textured zones may indicate some reworking? | | | | | | | | |
| 620 | | | | | | | | | |
| 622.5 | (S-SL) - Black banded tuffaceous argillaceous slate (Conductive) Contains clasts of tuff. abundant calcite bands + veinlets. | 623'-2" quartz-calcite veinlet or band (irregular anastamosing and faulted) | | | | | | | |
| 630 | | 40 | | | | | | | |
| | | slate contains 2-4% finely-laminated, wisps and disseminated py + po. | | | | | | | |
| 640 | | | | | | | | | |
| 650 | | 70 | | | | | | | |
| 655 | Bottom | 655' | | | | | | | |