3. Formation Evaluation

3.1. Depth and Types of Cores and Cuttings, Well Evaluation Log and Fluid Samples

3.1.1. Drill Cores

N/A

3.1.2. Cuttings Descriptions

<table>
<thead>
<tr>
<th>Interval</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 4.2m</td>
<td>Void</td>
</tr>
<tr>
<td>4.2m - 10m</td>
<td>Clay, weathered, mottled yellow-red-brown, siltstone fragments, dolomite fragments</td>
</tr>
<tr>
<td>10m - 17.8m</td>
<td>Weathered Dolomite</td>
</tr>
<tr>
<td>17.8 - 24m</td>
<td>DOLOMITIC SILTSTONE: DOLOMITE: grey, minor green, hard, cryptocrystalline, minor calcite veining, fine siltstone bands, SILTSTONE: grey – dark grey, hard, blocky, minor calcite veining.</td>
</tr>
<tr>
<td>24m - 30m</td>
<td>DOLOMITE: grey, minor green, hard, cryptocrystalline, minor calcite veining, fine siltstone bands, SILTSTONE: grey – dark grey, hard, blocky, minor calcite veining. Trace pyrite, possible galena, possible bit blebs</td>
</tr>
<tr>
<td>30m - 36m</td>
<td>DOLOMITE: grey, minor green, hard, cryptocrystalline, minor calcite veining, fine siltstone bands, SILTSTONE: grey – dark grey, hard, blocky, minor calcite veining. Trace pyrite, possible galena, possible bit blebs, minor calcite veining</td>
</tr>
<tr>
<td>36m - 42m</td>
<td>DOLOMITE: grey, minor green, hard, cryptocrystalline, minor calcite veining, fine siltstone bands, SILTSTONE: grey – dark grey, hard, blocky, minor calcite veining. Trace pyrite, possible galena, possible bit blebs, minor calcite veining, trace pyrite on fresh surfaces, dark fine grained bands in dolomite</td>
</tr>
<tr>
<td>42m - 48m</td>
<td>DOLOMITE: grey, minor green, hard, cryptocrystalline, minor calcite veining, fine siltstone bands, SILTSTONE: grey – dark grey, hard, blocky, minor calcite veining. Trace pyrite, possible galena, possible bit blebs, minor calcite veining, trace pyrite on fresh surfaces, dark fine grained bands in dolomite, minor green tuffaceous bands</td>
</tr>
</tbody>
</table>
48m - 54m  DOLOMITE: grey, minor green, hard, cryptocrystalline, minor calcite veining, fine siltstone bands, SILTSTONE: grey – dark grey, hard, blocky, minor calcite veining. Trace pyrite, possible galena, possible bit blebs, minor calcite veining, trace pyrite on fresh surfaces, dark fine grained bands in dolomite, minor green tuffaceous bands

54m - 60m  DOLOMITE: grey, minor green, hard, cryptocrystalline, minor calcite veining, fine siltstone bands, SILTSTONE: grey – dark grey, hard, blocky, minor calcite veining. Trace pyrite, possible galena, possible bit blebs, minor calcite veining, trace pyrite on fresh surfaces, dark fine grained bands in dolomite, minor green tuffaceous bands, light grey – dark grey, bands, decrease in pyrite

60m - 66m  DOLOMITE: grey, minor green, hard, cryptocrystalline, minor calcite veining, fine siltstone bands, SILTSTONE: grey – dark grey, hard, blocky, minor calcite veining. Possible bituminous blebs, minor calcite veining, trace , dark fine grained bands in dolomite, minor green tuffaceous bands, light grey – dark grey, bands, no pyrite.

66m - 72m  DOLOMITE: light grey – grey, cryptocrystalline, hard, blocky, finely banded, abundant calcite fragments.

72m - 78m  DOLOMITIC SILTSTONE: med brown – grey brown, light – med grey, hard blocky, cryptocrystalline, finely lam, poor calcite, trace black min, no visible porosity

78m - 84m  DOLOMITIC SILTSTONE: light brown – med brown, light – med grey, hard, blocky, cryptocrystalline, finely laminated, calcite in part, very poor calcite

84m - 90m  DOLOMITIC SILTSTONE: light creamy brown – light grey – med grey brown, hard, blocky, cryptocrystalline, finely laminated, mottled texture

90m - 96m  DOLOMITIC SILTSTONE: light grey – med grey brown, hard, blocky, cryptocrystalline, mottled texture, mod calcite, minor calcite veining, trace pyrite, trace orange lithics, no visible porosity

96m - 102m  DOLOMITIC SILTSTONE: light grey – med dark brown, hard, blocky, cryptocrystalline, lam, mottled texture, highly calcite, minor calcite veining, trace pyrite

102m - 108m  DOLOMITIC SILTSTONE: light grey – med dark brown, hard, blocky, cryptocrystalline, lam, mottled texture, highly calcite, minor calcite veining, trace pyrite

108m - 114m  DOLOMITIC SILTSTONE: light grey – med grey, brown grey, hard, blocky, cryptocrystalline, lam, mottled texture, dark blebs, mod - highly calcite, minor calcite veining
114m - 120m  DOLOMITIC SILTSTONE: light olive grey – med grey, minor yellow grey, hard, blocky, cryptocrystalline, finely laminated in part, highly calcite rich

120m - 126m  DOLOMITIC SILTSTONE: light grey – med grey, brown grey, hard, blocky, cryptocrystalline, finely laminated in part, mottled texture, dark blebs, mod calcite, minor calcite veining

126m - 132m  DOLOMITIC SILTSTONE: light grey – med grey, brown grey, hard, blocky, cryptocrystalline, finely laminated in part, mottled texture, dark blebs, mod calcite, minor calcite veining, minor off white, brecciated in part, no visible porosity

132m - 138m  DOLOMITIC SILTSTONE: off white – light grey – med grey brown, hard, blocky, cryptocrystalline, finely laminated in part, mottled texture, dark blebs, calcite, trace pyrite filled fractures

138m - 144m  DOLOMITIC SILTSTONE: off white – light grey – med grey brown, hard, blocky, cryptocrystalline, finely laminated in part, mottled texture, dark blebs, calcite, trace pyrite filled fractures

144m - 150m  DOLOMITIC SILTSTONE: off white – light grey – med dark grey, hard, blocky, cryptocrystalline, finely laminated, mottled texture, dark blebs, calcite, trace pyrite filled fractures & veining, no visible porosity.

150m - 157m  DOLOMITIC SILTSTONE: off white – light grey – med dark grey, hard, blocky, cryptocrystalline, finely laminated, mottled texture, dark blebs, calcite, trace pyrite filled fractures & veining, no visible porosity.

157m - 163m  DOLOMITIC SILTSTONE: off white – light grey – med dark grey, hard, blocky, cryptocrystalline, finely laminated, mottled texture, dark blebs, calcite, trace pyrite filled fractures & veining, no visible porosity.

163m - 169m  DOLOMITIC SILTSTONE: off white – light grey – med dark grey, hard, blocky, cryptocrystalline, finely laminated, mottled texture, dark blebs, calcite, trace pyrite filled fractures & veining, no visible porosity.

169m - 175m  DOLOMITIC SILTSTONE: off white – light grey – med dark grey, hard, blocky, cryptocrystalline, finely laminated, mottled texture, dark blebs, calcite, trace pyrite filled fractures & veining, no visible porosity.

175m - 181m  DOLOMITE: light grey – medium grey, brown grey, hard, blocky, cryptocrystalline, mottled texture poss. fenestral with chert fill, dark blebs, moderately - highly calcareous, minor Calcite vein, no fluorescence, odour, or cut, fine argillaceous sandstone in part

181m - 187m  DOLOMITE: light grey – medium grey, brown grey, hard, blocky, cryptocrystalline, mottled texture poss. fenestral with chert fill, dark blebs, moderately - highly calcareous, minor Calcite vein, no
187m - 193m  DOLOMITE: light grey – medium grey, brown grey, hard, blocky, cryptocrystalline, mottled texture poss. fenestral with chert fill, dark blebs, moderately - highly calcareous, minor Calcite vein, no fluorescence, odour, or cut, fine argillaceous sandstone in part

193m - 199m  DOLOMITE: light brown - light olive grey, light – medium grey, hard, blocky, microcrystalline with minor medium crystals, laminated in part, common calcite fragments, calcareous, NVP. Interbedded with SILTSTONE: dark brown grey – dark green grey, hard, blocky, very fine arenitic in part, trace pyrite (specks and veins), rare galena, non-calcareous

199m - 205m  DOLOMITE: light brown - light olive grey, light – medium grey, hard, blocky, microcrystalline with minor medium crystals, laminated in part, common calcite fragments, calcareous, NVP. Interbedded with SILTSTONE: dark brown grey – dark green grey, hard, blocky, very fine arenitic in part, trace pyrite (specks and veins), rare galena, non-calcareous

205m - 211m  DOLOMITE: light brown - light olive grey, light – medium grey, hard, blocky, microcrystalline with minor medium crystals, laminated in part, common calcite fragments, calcareous, NVP. Interbedded with SILTSTONE: dark brown grey – dark green grey, hard, blocky, very fine arenitic in part, trace pyrite (specks and veins), rare galena, non-calcareous

211m - 217m  DOLOMITE: light brown - light olive grey, light – medium grey, hard, blocky, microcrystalline with minor medium crystals, laminated in part, common calcite fragments, calcareous, NVP. Interbedded with SILTSTONE: dark brown grey – dark green grey, hard, blocky, very fine arenitic in part, trace pyrite (specks and veins), rare galena, non-calcareous

217m - 223m  DOLOMITE: light brown - light olive grey, light – medium grey, hard, blocky, microcrystalline with minor medium crystals, laminated in part, common calcite fragments, calcareous, NVP. Interbedded with SILTSTONE: dark brown grey – dark green grey, hard, blocky, very fine arenitic in part, trace pyrite (specks and veins), rare galena, non-calcareous

223m - 229m  DOLOMITE: light grey – medium grey, brown grey, hard, blocky, cryptocrystalline, mottled texture poss. fenestral with chert fill, dark blebs, moderately - highly calcareous, minor Calcite vein, no fluorescence, odour, or cut, fine argillaceous sandstone in part
229m - 235m
**DOLOMITE**: light grey – medium grey, brown grey, hard, blocky, cryptocrystalline, mottled texture poss. fenestral with chert fill, dark blebs, moderately - highly calcareous, minor Calcite vein, no fluorescence, odour, or cut, fine argillaceous sandstone in part

235m - 241m
**DOLOMITE**: light grey – medium grey, brown grey, hard, blocky, cryptocrystalline, mottled texture poss. fenestral with chert fill, dark blebs, moderately - highly calcareous, minor Calcite vein, no fluorescence, odour, or cut, fine argillaceous sandstone in part

241m - 247m
**DOLOMITE**: light grey – medium grey, brown grey, hard, blocky, cryptocrystalline, mottled texture poss. fenestral with chert fill, dark blebs, moderately - highly calcareous, minor Calcite vein, no fluorescence, odour, or cut, fine argillaceous sandstone in part

247m - 253m
**BRECCIATED DOLOMITE**: light grey – medium grey, brown grey, hard, blocky, cryptocrystalline, moderately - highly calcareous, minor Calcite vein, no fluorescence, odour, or cut, fine argillaceous sandstone in part

253m - 259m
**BRECCIATED DOLOMITE**: light grey – medium grey, brown grey, hard, blocky, cryptocrystalline, moderately - highly calcareous, minor Calcite vein, no fluorescence, odour, or cut, fine argillaceous sandstone in part

259m - 265m
**BRECCIATED DOLOMITE**: light grey – medium grey, brown grey, hard, blocky, cryptocrystalline, moderately - highly calcareous, minor Calcite vein, no fluorescence, odour, or cut, fine argillaceous sandstone in part

265m - 271m
**DOLOMITE**: light grey - medium dark grey, medium grey hard, blocky, microcrystalline with minor coarse crystals, abundant BRECCIATED fragments, calcareous, NVP, rare black siltstone

271m - 277m
**DOLOMITE**: light grey - medium dark grey, medium grey hard, blocky, microcrystalline with minor coarse crystals, abundant BRECCIATED fragments, calcareous, NVP, rare black siltstone

277m - 283m
**DOLOMITE**: light grey - medium dark grey, medium grey hard, blocky, microcrystalline with minor coarse crystals, abundant BRECCIATED fragments, calcareous, NVP, rare black siltstone

283m - 289m
**DOLOMITE**: light grey -medium grey, hard, blocky, microcrystalline with minor calcite, calcareous, NVP

289m - 295m
**DOLOMITE**: light grey -medium grey, hard, blocky, microcrystalline with minor calcite, calcareous, NVP

295m - 301m
**DOLOMITE**: light grey -medium grey, hard, blocky, microcrystalline with minor calcite, calcareous, NVP
301m - 307m  DOLOMITE: light grey -medium grey, hard, blocky, microcrystalline with minor calcite, calcareous, NVP

307m - 313m  DOLOMITE: light grey -medium grey, hard, blocky, microcrystalline with minor calcite, calcareous, NVP

313m - 319m  DOLOMITE: light grey -medium grey, hard, blocky, microcrystalline with minor calcite, calcareous, NVP

319m - 325m  DOLOMITE: light grey -medium grey, hard, blocky, microcrystalline with minor calcite, calcareous, NVP

325m - 331m  DOLOMITE: light grey -medium grey, hard, blocky, microcrystalline with minor calcite, calcareous, NVP

331m - 337m  DOLOMITE: light grey -medium grey, hard, blocky, microcrystalline with minor calcite, calcareous, NVP

337m - 343m  BRECCIATED DOLOMITE: light grey – medium grey, brown grey, hard, blocky, cryptocrystalline, moderately - highly calcareous, minor Calcite vein, no fluorescence, odour, or cut, fine argillaceous sandstone in part

343m - 349m  BRECCIATED DOLOMITE: light grey – medium grey, brown grey, hard, blocky, cryptocrystalline, moderately - highly calcareous, minor Calcite vein, no fluorescence, odour, or cut, fine argillaceous sandstone in part

349m - 355m  BRECCIATED DOLOMITE: light grey – medium grey, brown grey, hard, blocky, cryptocrystalline, moderately - highly calcareous, minor Calcite vein, no fluorescence, odour, or cut, fine argillaceous sandstone in part

355m - 361m  DOLOMITIC CLAYSTONE: dark grey –dark brown, clay rich fines, blocky and tabular, strongly dolomitized, calcareous, minor Calcite veining, NO FLUORESCENCE, ODOR, OR CUT

361m - 367m  DOLOMITIC CLAYSTONE: dark grey –dark brown, clay rich fines, blocky and tabular, strongly dolomitized, calcareous, minor Calcite veining, NO FLUORESCENCE, ODOR, OR CUT

367m - 373m  DOLOMITIC CLAYSTONE: dark grey –dark brown, clay rich fines, blocky and tabular, strongly dolomitized, calcareous, minor Calcite veining, NO FLUORESCENCE, ODOR, OR CUT

373m - 379m  DOLOMITIC CLAYSTONE: dark grey –dark brown, clay rich fines, blocky and tabular, strongly dolomitized, calcareous, minor Calcite veining, NO FLUORESCENCE, ODOR, OR CUT

379m - 385m  DOLOMITIC CLAYSTONE: dark grey –dark brown, clay rich fines, blocky and tabular, strongly dolomitized, calcareous, minor Calcite veining, NO FLUORESCENCE, ODOR, OR CUT
veining, NO FLUORESCENCE, ODOR, OR CUT

385m - 391m  DOLOMITIC CLAYSTONE: dark grey –dark brown, clay rich fines, blocky and tabular, strongly dolomitized, calcareous, minor Calcite veining, NO FLUORESCENCE, ODOR, OR CUT

391m - 397m  DOLOMITIC CLAYSTONE: dark grey –dark brown, clay rich fines, blocky and tabular, strongly dolomitized, calcareous, minor Calcite veining, NO FLUORESCENCE, ODOR, OR CUT

397m - 403m  DOLOMITIC CLAYSTONE: dark grey –dark brown, clay rich fines, blocky and tabular, strongly dolomitized, calcareous, minor Calcite veining, NO FLUORESCENCE, ODOR, OR CUT

403m - 409m  DOLOMITIC CLAYSTONE: brownish grey – medium dark grey, minor light grey, hard, blocky, calcareous, minor calcite fragments & veins, rare pyrite, no visible porosity.

409m - 415m  DOLOMITIC CLAYSTONE: brownish grey – medium dark grey, minor light grey, dark grey, hard, blocky, calcareous, minor calcite, trace black (bituminous?) flecks, trace green calcite fluorescence - no cut, rare pyrite

415m - 421m  DOLOMITIC CLAYSTONE: brownish grey – medium dark grey, minor light grey, dark grey, hard, blocky, calcareous, minor calcite, trace black (bituminous?) flecks, trace green calcite fluorescence - no cut, rare pyrite

421m - 427m  DOLOMITIC CLAYSTONE : light grey to brownish grey, hard, blocky, calcareous, minor calcite, trace yellow green calcite fluorescence – no cut, no visible porosity

427m - 433m  DOLOMITIC CLAYSTONE : light grey to brownish grey, hard, blocky, calcareous, minor calcite, trace yellow green calcite fluorescence – no cut, no visible porosity

433m - 439m  DOLOMITIC CLAYSTONE: medium dark grey – brownish grey, hard, blocky, dolomitised, calcareous, minor calcite veins

439m - 445m  DOLOMITIC CLAYSTONE: medium dark grey – brownish grey, hard, blocky, dolomitised, calcareous, minor calcite veins

445m - 451m  DOLOMITIC CLAYSTONE: medium dark grey – minor brownish grey, hard, blocky, dolomitised, calcareous, minor calcite veins, trace Pyrite

451m - 457m  DOLOMITIC CLAYSTONE: light to medium grey – minor brownish grey in part, hard, blocky, cryptocrystalline dolomitised, calcareous, increasing calcite veins, trace Pyrite, few possible bituminous blebs in trace brown very fine siltstone grains, NF
457m - 463m  DOLOMITIC CLAYSTONE: dark to medium grey, hard, blocky, cryptocrystalline dolomitised, calcareous, increasing calcite veins, trace black siltstone fragments, NF

463m - 469m  DOLOMITIC SILTSTONE: dark grey to black, very fine grained, hard, blocky, finely laminated in part, cryptocrystalline dolomitised, moderately calcareous, minor calcite veins, NF

469m - 475m  DOLOMITIC SILTSTONE: dark grey to black, very fine grained, hard, blocky, finely laminated in part, cryptocrystalline dolomitised, moderately calcareous, minor calcite veins, NF

475m - 481m  DOLOMITIC SILTSTONE: dark grey to black, very fine grained, hard, blocky, finely laminated in part, cryptocrystalline dolomitised, moderately calcareous, minor calcite veins, NF

481m - 487m  DOLOMITIC SILTSTONE: dark grey to black, very fine grained, hard, blocky, finely laminated in part, cryptocrystalline dolomitised, moderately calcareous, minor calcite veins, NF

487m - 493m  DOLOMITIC SILTSTONE: dark grey, minor medium grey, hard, blocky, laminated in part, cryptocrystalline, calcareous, rare light grey dolomite veins, trace mineral fluorescence – no cut, no visible porosity

493m - 499m  DOLOMITIC SILTSTONE: dark grey, minor medium grey, hard, blocky, laminated in part, cryptocrystalline, calcareous, rare light grey dolomite veins, trace mineral fluorescence – no cut, no visible porosity

499m - 504m  DOLOMITIC SILTSTONE: dark grey, minor medium grey to olive grey, hard, blocky, laminated in part, cryptocrystalline, calcareous, rare light grey dolomite veins, trace mineral fluorescence – no cut, no visible porosity

504m - 510m  DOLOMITIC SILTSTONE: dark grey, minor medium grey to olive grey, hard, blocky, laminated in part, cryptocrystalline, calcareous, rare light grey dolomite veins, trace mineral fluorescence – no cut, no visible porosity

510m - 516m  DOLOMITIC SILTSTONE: medium dark grey to greyish black, minor brown grey, hard, blocky, cryptocrystalline, calcareous, rare dolomite filled fractures, no visible porosity

516m - 522m  DOLOMITIC SILTSTONE: medium dark grey to greyish black, minor brown grey, hard, blocky, cryptocrystalline, calcareous, rare dolomite filled fractures, no visible porosity

522m - 528m  DOLOMITIC SILTSTONE: medium dark grey to greyish black, minor brown grey, hard, blocky, laminated in part, cryptocrystalline, calcareous, rare dolomite filled fractures, no visible porosity
528m - 534m  DOLOMITIC SILTSTONE: medium dark grey to greyish black, minor brown grey, hard, blocky, cryptocrystalline, calcareous, rare finely crystalline dolomite filled fractures/ frags

534m - 540m  DOLOMITIC SILTSTONE: medium dark grey to greyish black, hard, blocky, cryptocrystalline, calcareous, minor finely crystalline dolomite filled fractures, trace brecciated dolomite, laminated in part, slight porosity in fractures, trace green mineral fluorescence – no cut

540m - 546m  DOLOMITIC SILTSTONE: medium dark grey to greyish black, hard, blocky, cryptocrystalline, calcareous, minor finely crystalline dolomite filled fractures, trace brecciated dolomite, laminated in part, slight porosity in fractures, trace green mineral fluorescence – no cut

546m - 552m  DOLOMITIC SILTSTONE: medium dark grey to greyish black, minor light grey, hard, blocky, cryptocrystalline, calcareous, minor finely crystalline dolomite filled fractures & fragments, laminated in/p, slight porosity in fractures, trace green mineral fluorescence – no cut

552m - 558m  DOLOMITIC SILTSTONE: medium dark grey to greyish black, minor light grey, hard, blocky, cryptocrystalline, calcareous, minor finely crystalline dolomite filled fractures & fragments, laminated in/p, slight porosity in fractures, trace green mineral fluorescence – no cut

558m - 564m  DOLOMITIC SILTSTONE: medium dark grey to greyish black, minor light grey, hard, blocky, cryptocrystalline, calcareous, minor finely crystalline dolomite filled fractures & fragments, laminated in/p, slight porosity in fractures, trace green mineral fluorescence – no cut

564m - 570m  DOLOMITIC SILTSTONE: medium dark grey to greyish black, minor light grey, hard, blocky, cryptocrystalline, calcareous, minor finely crystalline dolomite filled fractures & fragments, laminated in/p, slight porosity in fractures, trace green mineral fluorescence – no cut

570m - 576m  DOLOMITIC SILTSTONE: medium dark grey to greyish black, minor light grey, hard, blocky, cryptocrystalline, calcareous, minor finely crystalline dolomite filled fractures & fragments, laminated in/p, slight porosity in fractures, trace green mineral fluorescence – no cut

576m - 582m  DOLOMITIC SILTSTONE: medium dark grey to greyish black, minor light grey, hard, blocky, cryptocrystalline, calcareous, minor finely crystalline dolomite filled fractures & fragments, laminated in/p, slight porosity in fractures, trace green mineral fluorescence – no cut

582m - 588m  DOLOMITIC SILTSTONE: light grey to medium dark grey, hard, blocky, microcrystalline, calcareous, common dolomite filled fractures & fragments, trace green mineral fluorescence – no cut

588m - 594m  DOLOMITIC SILTSTONE: light grey to medium dark grey, hard, blocky, microcrystalline, calcareous, common dolomite filled fractures
& fragments, trace green mineral fluorescence – no cut

594m - 600m  DOLOMITIC SILTSTONE: light grey to medium dark grey, hard, blocky, microcrystalline, calcareous, common dolomite filled fractures & fragments, trace green mineral fluorescence – no cut

600m - 606m  DOLOMITIC SILTSTONE: light grey to medium dark grey, hard, blocky, microcrystalline, calcareous, common dolomite filled fractures & fragments, trace green mineral fluorescence – no cut, trace Pyrite on fracture

606m - 612m  DOLOMITIC SILTSTONE: light grey to medium dark grey, minor dark grey, hard, blocky, microcrystalline, calcareous, common dolomite filled fractures & fragments, trace green mineral fluorescence – no cut

612m - 618m  DOLOMITIC SILTSTONE: light grey to medium dark grey, minor dark grey, hard, blocky, microcrystalline, calcareous, common dolomite filled fractures & fragments, trace green mineral fluorescence – no cut

618m - 624m  DOLOMITIC SILTSTONE: light grey to medium dark grey, minor dark grey, hard, blocky, cryptocrystalline, calcareous, common dolomite frags, laminated in part

624m - 630m  DOLOMITIC SILTSTONE: light grey to greyish black, hard, blocky, cryptocrystalline, calcareous, common dolomite fractures, laminated in part, rare disseminated pyrite (<1%)

630m - 636m  DOLOMITIC SILTSTONE: light grey to greyish black, hard, blocky, cryptocrystalline, calcareous, common dolomite fractures, laminated in part, rare disseminated pyrite (<1%)

636m - 642m  DOLOMITIC SILTSTONE: light grey to greyish black, hard, blocky, cryptocrystalline, calcareous, common dolomite fractures, laminated in part, rare disseminated pyrite (<1%)

642m - 648m  DOLOMITIC SILTSTONE: light grey to greyish black, hard, blocky, cryptocrystalline, calcareous, common dolomite fractures, laminated in part, rare <1mm calcite with pyrite/galena? (<1%), minor white calcareous spheroids to 2mm. banded,

648m - 654m  DOLOMITIC SILTSTONE: light grey to greyish black, hard, blocky, cryptocrystalline, calcareous, common dolomite fractures, laminated in part, rare <1mm calcite with pyrite/galena? (<1%), minor white calcareous spheroids to 2mm. banded, becoming more DOLOMITE with minor mud/clay components

654m - 660m  DOLOMITIC SILTSTONE: light grey to greyish black, hard, blocky, cryptocrystalline, calcareous, common dolomite fractures, laminated in part, minor Calcite veins
660m - 666m  DOLOMITIC SILTSTONE: light grey to greyish black, hard, blocky, cryptocrystalline, calcareous, common dolomite fractures, laminated in part, minor Calcite veins with DOLOMITE: grey – brown, hard, blocky, cryptocrystalline, trace VFG disseminated Pyrite, very weak fluorescence, no cut

666m - 672m  DOLOMITIC SILTSTONE: light grey to greyish black, hard, blocky, cryptocrystalline, calcareous, laminated in part, minor Calcite veins with DOLOMITE: grey – brown, hard, blocky, cryptocrystalline, trace VFG disseminated Pyrite, very weak fluorescence, no cut

672m - 678m  DOLOMITIC SILTSTONE: light grey to greyish black, hard, blocky, cryptocrystalline, sandy in part, calcareous., laminated in part, minor Calcite veins with DOLOMITE: grey – brown, hard, blocky, cryptocrystalline, trace VFG disseminated Pyrite, very weak fluorescence, no cut

678m - 684m  DOLOMITIC SILTSTONE: light grey to greyish black, hard, blocky, cryptocrystalline, calcareous, laminated in part, minor Calcite veins with DOLOMITE: grey – brown, hard, blocky, cryptocrystalline, trace VFG disseminated Pyrite, very weak fluorescence, no cut with PYRITIC SILTSTONE: minor black VFG, laminated

684m - 690m  DOLOMITIC SILTSTONE: light grey to greyish black, hard, blocky, cryptocrystalline, calcareous, laminated in part, minor Calcite veins with DOLOMITE: grey – brown, hard, blocky, cryptocrystalline, trace VFG disseminated Pyrite, very weak fluorescence, no cut

690m - 696m  DOLOMITIC SILTSTONE: light grey to greyish black, hard, blocky, cryptocrystalline, calcareous, laminated in part, minor Calcite veins with DOLOMITE: grey – brown, hard, blocky, cryptocrystalline, trace VFG disseminated Pyrite, very weak fluorescence, no cut

696m - 702m  DOLOMITIC SILTSTONE: light grey to greyish black, hard, blocky, cryptocrystalline, calcareous, laminated in part, minor Calcite veins with DOLOMITE: grey – brown, hard, blocky, cryptocrystalline, trace VFG disseminated Pyrite, very weak fluorescence, no cut

702m - 708m  DOLOMITIC SILTSTONE: light grey to greyish black, hard, blocky, cryptocrystalline, calcareous, laminated in part, minor Calcite veins with DOLOMITE: grey – brown, hard, blocky, cryptocrystalline, trace VFG disseminated Pyrite, very weak fluorescence, no cut

708m - 714m  DOLOMITIC SILTSTONE: light grey to dark grey, hard, blocky, cryptocrystalline, calcareous, laminated in part, minor Calcite veins with minor DOLOMITE: grey – brown, hard, blocky, cryptocrystalline, no fluorescence, no cut
714m - 720m DOLOMITIC SILTSTONE: light grey to dark grey, hard, blocky, cryptocrystalline, calcareous, laminated in part, minor Calcite veins with minor DOLOMITE: grey – brown, hard, blocky, cryptocrystalline, no fluorescence, no cut

720m - 726m DOLOMITIC SILTSTONE: light grey to dark grey, hard, blocky, cryptocrystalline, calcareous, laminated in part, minor Calcite veins with minor DOLOMITE: grey – brown, hard, blocky, cryptocrystalline, no fluorescence, no cut

726m - 732m DOLOMITIC SILTSTONE: light grey to dark grey, hard, blocky, cryptocrystalline, calcareous, laminated in part, minor dolomite fractures and fragments, no visible porosity

732m - 738m DOLOMITIC SILTSTONE: light grey to greyish black, minor brown grey, hard, blocky, cryptocrystalline, calcareous, laminated in part, minor dolomite fractures and fragments, no visible porosity

738m - 744m DOLOMITIC SILTSTONE: light grey to greyish black, minor brown grey, hard, blocky, cryptocrystalline, calcareous, laminated in part, minor dolomite fractures and fragments, no visible porosity, rare disseminated Pyrite(1%), rare brecciated in part

744m - 750m DOLOMITIC SILTSTONE: light grey to grey brown, minor greyish black, minor brown grey, hard, blocky, microcrystalline, calcareous, laminated in part, minor dolomite fractures and fragments, no visible porosity, rare disseminated Pyrite(1%), rare brecciated in part

750m - 756m DOLOMITIC SILTSTONE: light grey to brown grey, common greyish black, hard, blocky, cryptocrystalline, calcareous, minor dolomite fractures, trace calcite, rare pyrite veins (predominantly disseminated)

756m - 762m DOLOMITIC SILTSTONE: light grey to brown grey, common greyish black, hard, blocky, cryptocrystalline, calcareous, minor dolomite fractures, trace calcite, rare pyrite veins (predominantly disseminated), with minor DOLOMITE: grey – brown, hard, blocky, cryptocrystalline,

762m - 768m DOLOMITIC SILTSTONE: light grey to greyish black, hard, blocky, cryptocrystalline, calcareous, laminated in part, minor Calcite veins with DOLOMITE: grey – brown, hard, blocky, cryptocrystalline, minor VFG disseminated Pyrite, no fluorescence, no cut with trace (<1%) PYRITIC SILTSTONE: black VFG, laminated

768m - 774m DOLOMITIC SILTSTONE: light grey to greyish black, hard, blocky, cryptocrystalline, calcareous, laminated in part, minor Calcite veins with increasing 30% DOLOMITE: grey – brown, hard, blocky, cryptocrystalline, minor VFG disseminated Pyrite, no fluorescence, no cut with 10% weakly PYRITIC SILTSTONE: black VFG, laminated
774m - 780m  DOLOMITIC SILTSTONE: light grey to grey, hard, blocky, cryptocrystalline, calcareous, laminated in part, minor Calcite veins with increasing 40% DOLOMITE: grey to light brown, hard, blocky, cryptocrystalline, minor VFG disseminated Pyrite, no fluorescence, no cut with 10% weakly PYRITIC SILTSTONE: black VFG, laminated

780m - 786m  DOLOMITIC SILTSTONE: light grey to grey, hard, blocky, cryptocrystalline, calcareous, laminated in part, minor Calcite veins with increasing 40% DOLOMITE: grey to light brown, hard, blocky, cryptocrystalline, minor VFG disseminated Pyrite, no fluorescence, no cut with 10% weakly PYRITIC SILTSTONE: black VFG, laminated, trace breccia in 1 grain

786m - 792m  DOLOMITIC SILTSTONE: light grey to grey, hard, blocky, cryptocrystalline, calcareous, laminated in part, minor Calcite veins with increasing 40% DOLOMITE: grey to light brown, hard, blocky, cryptocrystalline, minor VFG disseminated Pyrite, no fluorescence, no cut with 5% weakly PYRITIC SILTSTONE: black VFG, laminated

792m - 798m  DOLOMITIC SILTSTONE: light grey to grey, hard, blocky, cryptocrystalline, calcareous, laminated, minor Calcite veins with increasing 40% DOLOMITE: grey to light brown, hard, blocky, cryptocrystalline, minor VFG disseminated Pyrite, no fluorescence, no cut with 5% weakly PYRITIC SILTSTONE: black VFG, laminated, brecciated in part

798m - 804m  DOLOMITIC SILTSTONE: light grey to grey, hard, blocky, becoming fissile, cryptocrystalline, calcareous, laminated, minor Calcite veins with increasing 40% DOLOMITE: grey to light brown, hard, blocky, cryptocrystalline, minor VFG disseminated Pyrite, no fluorescence, no cut with 10% weakly PYRITIC SILTSTONE: black VFG, laminated, brecciated in part

804m - 810m  DOLOMITIC SILTSTONE: light grey to grey, hard, blocky, becoming fissile, cryptocrystalline, calcareous, laminated, minor Calcite veins with increasing 20% DOLOMITE: grey to light brown, hard, blocky, cryptocrystalline, minor VFG disseminated Pyrite, no fluorescence, no cut with 5% weakly PYRITIC SILTSTONE: black VFG, laminated, brecciated in part, becoming 50% DOLOMITIC SILTSTONE: pink and green, hard, tabular, microcrystalline

810m - 816m  DOLOMITIC SILTSTONE: grey - pink - green, tuffaceous, hard, tabular to blocky, microcrystalline, with 30% DOLOMITE: grey calcareous, hard, blocky, NFNOC

816m - 822m  DOLOMITIC SILTSTONE: pink - green, tuffaceous, hard, tabular to blocky, microcrystalline, with minor DOLOMITE: grey calcareous, hard, blocky, NFNOC
822m - 828m  DOLOMITIC SILTSTONE: pink - green, tuffaceous, hard, tabular to blocky, microcrystalline, with minor  DOLOMITE: grey calcareous, hard, blocky, NFNOC

828m - 834m  DOLOMITIC SILTSTONE: pink - brown, minor green, tuffaceous, hard, tabular to blocky, microcrystalline, with trace  DOLOMITE: grey calcareous, hard, blocky, NFNOC

834m - 840m  DOLOMITIC SILTSTONE: pink- brown - green, tuffaceous, hard, tabular to blocky, microcrystalline, with minor  DOLOMITE: grey calcareous, hard, blocky, NFNOC, trace arenaceous in part

840m - 846m  DOLOMITIC SILTSTONE: pink - brown - green, tuffaceous, hard, tabular to blocky, microcrystalline, with 40%  DOLOMITE: grey calcareous, hard, blocky, moderate Calcite veining, possible breccia clasts, NFNOC

846m - 852m  DOLOMITIC SILTSTONE: green - brown - pink, tuffaceous, hard, tabular to blocky, microcrystalline, with 10%  DOLOMITE: grey calcareous, hard, blocky, moderate Calcite veining, few grains showing graded quartz grains and acicular green tuff shards (possible base W-Fold), NFNOC

852m - 861.4m  DOLOMITIC SILTSTONE: grey - brown - pink, tuffaceous, hard, tabular to blocky, microcrystalline, with 30% SANDSTONE: quartz and lithic fragments, angular to sub-angular, dolomitic, tabular, minor Calcite veining, no visible porosity, NFNOC

3.1.3. Well evaluation logs

Quad-combo (GR-DEN-RT-SGS)

3.1.4. Fluid Samples

Table 5: Myrtle Basin #1 - Groundwater Sample Analysis.

<table>
<thead>
<tr>
<th>Date</th>
<th>Sampler</th>
<th>Sample Point</th>
<th>Conductivity [µs]</th>
<th>pH-value</th>
<th>Comments</th>
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</thead>
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<tr>
<td>24/09/2013</td>
<td>GJB</td>
<td>Blooey line</td>
<td>2407</td>
<td>7.62</td>
<td>ground water - unload</td>
</tr>
<tr>
<td>24/09/2013</td>
<td>GJB</td>
<td>Blooey line</td>
<td>2390</td>
<td>8.09</td>
<td>ground water - unload - end sample</td>
</tr>
<tr>
<td>26/09/2013</td>
<td>MN</td>
<td>Blooey line</td>
<td>3720</td>
<td>7.77</td>
<td>unload at 600m</td>
</tr>
</tbody>
</table>

Note: Samples are contaminated with air-mist drilling fluids.
3.2. Hydrocarbon Indications

Gas shows were recorded on mud-logs in the Barney Creek Formation and Coxco Dolomite.

3.3. Operation and Results including full raw pressure-time listings for all formation fluid sample tests and production tests carried out

No testing was carried out on the wellbore