

**District I**  
1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
**District III**  
1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170  
**District IV**  
1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

**State of New Mexico**  
**Energy Minerals and Natural Resources Oil Conservation Division**  
**1220 South St. Francis Dr.**  
**Santa Fe, NM 87505**

Form C-101 Revised July 18, 2013  
☐ AMENDED  
REPORT

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

<sup>1</sup> Operator Name and Address <b>COG OPERATING LLC</b>		<sup>2</sup> OGRID Number <b>229137</b>
<sup>4</sup> Property Code <b>334297</b>		<sup>3</sup> API Number <b>30-025-51691</b>
<sup>5</sup> Property Name <b>Stove Pipe 7 Fee SWD</b>		<sup>6</sup> Well No. <b>1</b>

**<sup>7</sup> Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
O	7	25S	35E		660'	SOUTH	1,980'	EAST	LEA

**<sup>8</sup> Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

**<sup>9</sup> Pool Information**

Pool Name	Pool Code
<b>SWD; Devonian</b>	<b>96101</b>

**Additional Well Information**

<sup>11</sup> Work Type <b>New Well</b>	<sup>12</sup> Well Type <b>S</b>	<sup>13</sup> Cable/Rotary <b>R</b>	<sup>14</sup> Lease Type <b>P</b>	<sup>15</sup> Ground Level Elevation <b>3,396'</b>
<sup>16</sup> Multiple <b>N</b>	<sup>17</sup> Proposed Depth <b>18,125'</b>	<sup>18</sup> Formation <b>Devonian</b>	<sup>19</sup> Contractor <b>TBD</b>	<sup>20</sup> Spud Date <b>Upon Approval</b>
Depth to Ground water <b>230'</b>		Distance from nearest fresh water well <b>0.61 miles</b>		Distance to nearest surface water <b>N/A</b>

☒ We will be using a closed-loop system in lieu of lined pits

**<sup>21</sup> Proposed Casing and Cement Program**

**SWD-2235**

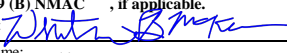

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	26"	20"	94	925'	1795	Surf
Int	17-1/2"	13-3/8"	54.5	5,475'	3515	Surf
Int	12-1/4"	9-5/8"	53.5	12,800'	1910	Surf
Prod	8-1/5"	7-5/8"	29.7	18,125'	475	12,600' (TOL)

**Casing/Cement Program: Additional Comments**

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**<sup>22</sup> Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Annular, Pipe & Blind/Shear Rams	10,000 psi	7,000 psi	Hydrill, Cameron or Equivalent

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. <b>I further certify that I have complied with 19.15.14.9 (A) NMAC and/or 19.15.14.9 (B) NMAC, if applicable.</b> Signature: 		<b>OIL CONSERVATION DIVISION</b>	
Printed name: Whitney McKee		Approved By: 	
Title: Regulatory Specialist		Title: _____	
E-mail Address: whitney.mckee@ariswater.com		Approved Date: <b>07/06/2023</b>	Expiration Date: <b>07/06/2025</b>
Date: 9/15/2022	Phone: 432-203-9020	Conditions of Approval Attached	



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State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office  
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number <b>30-025- 51691</b>		<sup>2</sup> Pool Code <b>96101</b>	<sup>3</sup> Pool Name <b>SWD; Devonian</b>						
<sup>4</sup> Property Code <b>334297</b>	<sup>5</sup> Property Name <b>STOVE PIPE 7 FEE SWD</b>		<sup>6</sup> Well Number <b>1</b>						
<sup>7</sup> OGRID No. <b>229137</b>	<sup>8</sup> Operator Name <b>COG OPERATING, LLC</b>		<sup>9</sup> Elevation <b>3336'</b>						
<b>" Surface Location</b>									
UL or lot no. <b>O</b>	Section <b>7</b>	Township <b>25S</b>	Range <b>35E</b>	Lot Idn	Feet from the <b>660</b>	North/South line <b>SOUTH</b>	Feet from the <b>1980</b>	East/West line <b>EAST</b>	County <b>LEA</b>
<b>" Bottom Hole Location If Different From Surface</b>									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Dedicated Acres		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> Order No. <b>SWD-2235</b>			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<b>16</b> (C)	<b>17</b> (D)	<b>18</b> (E)	<b>19</b> (F)	<b>20</b> (G)	<b>21</b> (H)	<b>22</b> (I)	<b>23</b> (J)	<b>24</b> (K)	<b>25</b> (L)	<b>26</b> (M)	<b>27</b> (N)	<b>28</b> (O)	<b>29</b> (P)	<b>30</b> (Q)	<b>31</b> (R)	<b>32</b> (S)	<b>33</b> (T)	<b>34</b> (U)	<b>35</b> (V)	<b>36</b> (W)	<b>37</b> (X)	<b>38</b> (Y)	<b>39</b> (Z)	<b>40</b> (AA)	<b>41</b> (AB)	<b>42</b> (AC)	<b>43</b> (AD)	<b>44</b> (AE)	<b>45</b> (AF)	<b>46</b> (AG)	<b>47</b> (AH)	<b>48</b> (AI)	<b>49</b> (AJ)	<b>50</b> (AK)	<b>51</b> (AL)	<b>52</b> (AM)	<b>53</b> (AN)	<b>54</b> (AO)	<b>55</b> (AP)	<b>56</b> (AQ)	<b>57</b> (AR)	<b>58</b> (AS)	<b>59</b> (AT)	<b>60</b> (AU)	<b>61</b> (AV)	<b>62</b> (AW)	<b>63</b> (AX)	<b>64</b> (AY)	<b>65</b> (AZ)	<b>66</b> (BA)	<b>67</b> (BB)	<b>68</b> (BC)	<b>69</b> (BD)	<b>70</b> (BE)	<b>71</b> (BF)	<b>72</b> (BG)	<b>73</b> (BH)	<b>74</b> (BI)	<b>75</b> (BJ)	<b>76</b> (BK)	<b>77</b> (BL)	<b>78</b> (BM)	<b>79</b> (BN)	<b>80</b> (BO)	<b>81</b> (BP)	<b>82</b> (BQ)	<b>83</b> (BR)	<b>84</b> (BS)	<b>85</b> (BT)	<b>86</b> (BU)	<b>87</b> (BV)	<b>88</b> (BW)	<b>89</b> (BX)	<b>90</b> (BY)	<b>91</b> (BZ)	<b>92</b> (CA)	<b>93</b> (CB)	<b>94</b> (CC)	<b>95</b> (CD)	<b>96</b> (CE)	<b>97</b> (CF)	<b>98</b> (CG)	<b>99</b> (CH)	<b>100</b> (CI)	<b>101</b> (CJ)	<b>102</b> (CK)	<b>103</b> (CL)	<b>104</b> (CM)	<b>105</b> (CN)	<b>106</b> (CO)	<b>107</b> (CP)	<b>108</b> (CQ)	<b>109</b> (CR)	<b>110</b> (CS)	<b>111</b> (CT)	<b>112</b> (CU)	<b>113</b> (CV)	<b>114</b> (CW)	<b>115</b> (CX)	<b>116</b> (CY)	<b>117</b> (CZ)	<b>118</b> (DA)	<b>119</b> (DB)	<b>120</b> (DC)	<b>121</b> (DD)	<b>122</b> (DE)	<b>123</b> (DF)	<b>124</b> (DG)	<b>125</b> (DH)	<b>126</b> (DI)	<b>127</b> (DJ)	<b>128</b> (DK)	<b>129</b> (DL)	<b>130</b> (DM)	<b>131</b> (DN)	<b>132</b> (DO)	<b>133</b> (DP)	<b>134</b> (DQ)	<b>135</b> (DR)	<b>136</b> (DS)	<b>137</b> (DT)	<b>138</b> (DU)	<b>139</b> (DV)	<b>140</b> (DW)	<b>141</b> (DX)	<b>142</b> (DY)	<b>143</b> (DZ)	<b>144</b> (EA)	<b>145</b> (EB)	<b>146</b> (EC)	<b>147</b> (ED)	<b>148</b> (EE)	<b>149</b> (EF)	<b>150</b> (EG)	<b>151</b> (EH)	<b>152</b> (EI)	<b>153</b> (EJ)	<b>154</b> (EK)	<b>155</b> (EL)	<b>156</b> (EM)	<b>157</b> (EN)	<b>158</b> (EO)	<b>159</b> (EP)	<b>160</b> (EQ)	<b>161</b> (ER)	<b>162</b> (ES)	<b>163</b> (ET)	<b>164</b> (EU)	<b>165</b> (EV)	<b>166</b> (EW)	<b>167</b> (EX)	<b>168</b> (EY)	<b>169</b> (EZ)	<b>170</b> (FA)	<b>171</b> (FB)	<b>172</b> (FC)	<b>173</b> (FD)	<b>174</b> (FE)	<b>175</b> (FF)	<b>176</b> (FG)	<b>177</b> (FH)	<b>178</b> (FI)	<b>179</b> (FJ)	<b>180</b> (FK)	<b>181</b> (FL)	<b>182</b> (FM)	<b>183</b> (FN)	<b>184</b> (FO)	<b>185</b> (FP)	<b>186</b> (FQ)	<b>187</b> (FR)	<b>188</b> (FS)	<b>189</b> (FT)	<b>190</b> (FU)	<b>191</b> (FV)	<b>192</b> (FW)	<b>193</b> (FX)	<b>194</b> (FY)	<b>195</b> (FZ)	<b>196</b> (GA)	<b>197</b> (GB)	<b>198</b> (GC)	<b>199</b> (GD)	<b>200</b> (GE)	<b>201</b> (GF)	<b>202</b> (GG)	<b>203</b> (GH)	<b>204</b> (GI)	<b>205</b> (GJ)	<b>206</b> (GK)	<b>207</b> (GL)	<b>208</b> (GM)	<b>209</b> (GN)	<b>210</b> (GO)	<b>211</b> (GP)	<b>212</b> (GQ)	<b>213</b> (GR)	<b>214</b> (GS)	<b>215</b> (GT)	<b>216</b> (GU)	<b>217</b> (GV)	<b>218</b> (GW)	<b>219</b> (GX)	<b>220</b> (GY)	<b>221</b> (GZ)	<b>222</b> (HA)	<b>223</b> (HB)	<b>224</b> (HC)	<b>225</b> (HD)	<b>226</b> (HE)	<b>227</b> (HF)	<b>228</b> (HG)	<b>229</b> (HH)	<b>230</b> (HI)	<b>231</b> (HJ)	<b>232</b> (HK)	<b>233</b> (HL)	<b>234</b> (HM)	<b>235</b> (HN)	<b>236</b> (HO)	<b>237</b> (HP)	<b>238</b> (HQ)	<b>239</b> (HR)	<b>240</b> (HS)	<b>241</b> (HT)	<b>242</b> (HU)	<b>243</b> (HV)	<b>244</b> (HW)	<b>245</b> (HX)	<b>246</b> (HY)	<b>247</b> (HZ)	<b>248</b> (IA)	<b>249</b> (IB)	<b>250</b> (IC)	<b>251</b> (ID)	<b>252</b> (IE)	<b>253</b> (IF)	<b>254</b> (IG)	<b>255</b> (IH)	<b>256</b> (II)	<b>257</b> (IJ)	<b>258</b> (IK)	<b>259</b> (IL)	<b>260</b> (IM)	<b>261</b> (IN)	<b>262</b> (IO)	<b>263</b> (IP)	<b>264</b> (IQ)	<b>265</b> (IR)	<b>266</b> (IS)	<b>267</b> (IT)	<b>268</b> (IU)	<b>269</b> (IV)	<b>270</b> (IW)	<b>271</b> (IX)	<b>272</b> (IY)	<b>273</b> (IZ)	<b>274</b> (JA)	<b>275</b> (JB)	<b>276</b> (JC)	<b>277</b> (JD)	<b>278</b> (JE)	<b>279</b> (JF)	<b>280</b> (JG)	<b>281</b> (JH)	<b>282</b> (JI)	<b>283</b> (JJ)	<b>284</b> (JK)	<b>285</b> (JL)	<b>286</b> (JM)	<b>287</b> (JN)	<b>288</b> (JO)	<b>289</b> (JP)	<b>290</b> (JQ)	<b>291</b> (JR)	<b>292</b> (JS)	<b>293</b> (JT)	<b>294</b> (JU)	<b>295</b> (JV)	<b>296</b> (JW)	<b>297</b> (JX)	<b>298</b> (JY)	<b>299</b> (JZ)	<b>300</b> (KA)	<b>301</b> (KB)	<b>302</b> (KC)	<b>303</b> (KD)	<b>304</b> (KE)	<b>305</b> (KF)	<b>306</b> (KG)	<b>307</b> (KH)	<b>308</b> (KI)	<b>309</b> (KJ)	<b>310</b> (KK)	<b>311</b> (KL)	<b>312</b> (KM)	<b>313</b> (KN)	<b>314</b> (KO)	<b>315</b> (KP)	<b>316</b> (KQ)	<b>317</b> (KR)	<b>318</b> (KS)	<b>319</b> (KT)	<b>320</b> (KU)	<b>321</b> (KV)	<b>322</b> (KW)	<b>323</b> (KX)	<b>324</b> (KY)	<b>325</b> (KZ)	<b>326</b> (LA)	<b>327</b> (LB)	<b>328</b> (LC)	<b>329</b> (LD)	<b>330</b> (LE)	<b>331</b> (LF)	<b>332</b> (LG)	<b>333</b> (LH)	<b>334</b> (LI)	<b>335</b> (LJ)	<b>336</b> (LK)	<b>337</b> (LL)	<b>338</b> (LM)	<b>339</b> (LN)	<b>340</b> (LO)	<b>341</b> (LP)	<b>342</b> (LQ)	<b>343</b> (LR)	<b>344</b> (LS)	<b>345</b> (LT)	<b>346</b> (LU)	<b>347</b> (LV)	<b>348</b> (LW)	<b>349</b> (LX)	<b>350</b> (LY)	<b>351</b> (LZ)	<b>352</b> (MA)	<b>353</b> (MB)	<b>354</b> (MC)	<b>355</b> (MD)	<b>356</b> (ME)	<b>357</b> (MF)	<b>358</b> (MG)	<b>359</b> (MH)	<b>360</b> (MI)	<b>361</b> (MJ)	<b>362</b> (MK)	<b>363</b> (ML)	<b>364</b> (MN)	<b>365</b> (MO)	<b>366</b> (MP)	<b>367</b> (MQ)	<b>368</b> (MR)	<b>369</b> (MS)	<b>370</b> (MT)	<b>371</b> (MU)	<b>372</b> (MV)	<b>373</b> (MW)	<b>374</b> (MX)	<b>375</b> (MY)	<b>376</b> (MZ)	<b>377</b> (NA)	<b>378</b> (NB)	<b>379</b> (NC)	<b>380</b> (ND)	<b>381</b> (NE)	<b>382</b> (NF)	<b>383</b> (NG)	<b>384</b> (NH)	<b>385</b> (NI)	<b>386</b> (NJ)	<b>387</b> (NK)	<b>388</b> (NL)	<b>389</b> (NM)	<b>390</b> (NO)	<b>391</b> (NP)	<b>392</b> (NQ)	<b>393</b> (NR)	<b>394</b> (NS)	<b>395</b> (NT)	<b>396</b> (NU)	<b>397</b> (NV)	<b>398</b> (NW)	<b>399</b> (NX)	<b>400</b> (NY)	<b>401</b> (NZ)	<b>402</b> (OA)	<b>403</b> (OB)	<b>404</b> (OC)	<b>405</b> (OD)	<b>406</b> (OE)	<b>407</b> (OF)	<b>408</b> (OG)	<b>409</b> (OH)	<b>410</b> (OI)	<b>411</b> (OJ)	<b>412</b> (OK)	<b>413</b> (OL)	<b>414</b> (OM)	<b>415</b> (ON)	<b>416</b> (OO)	<b>417</b> (OP)	<b>418</b> (OQ)	<b>419</b> (OR)	<b>420</b> (OS)	<b>421</b> (OT)	<b>422</b> (OU)	<b>423</b> (OV)	<b>424</b> (OW)	<b>425</b> (OX)	<b>426</b> (OY)	<b>427</b> (OZ)	<b>428</b> (PA)	<b>429</b> (PB)	<b>430</b> (PC)	<b>431</b> (PD)	<b>432</b> (PE)	<b>433</b> (PF)	<b>434</b> (PG)	<b>435</b> (PH)	<b>436</b> (PI)	<b>437</b> (PJ)	<b>438</b> (PK)	<b>439</b> (PL)	<b>440</b> (PM)	<b>441</b> (PN)	<b>442</b> (PO)	<b>443</b> (PP)	<b>444</b> (PQ)	<b>445</b> (PR)	<b>446</b> (PS)	<b>447</b> (PT)	<b>448</b> (PU)	<b>449</b> (PV)	<b>450</b> (PW)	<b>451</b> (PX)	<b>452</b> (PY)	<b>453</b> (PZ)	<b>454</b> (QA)	<b>455</b> (QB)	<b>456</b> (QC)	<b>457</b> (QD)	<b>458</b> (QE)	<b>459</b> (QF)	<b>460</b> (QG)	<b>461</b> (QH)	<b>462</b> (QI)	<b>463</b> (QJ)	<b>464</b> (QK)	<b>465</b> (QL)	<b>466</b> (QM)	<b>467</b> (QN)	<b>468</b> (QO)	<b>469</b> (QP)	<b>470</b> (QQ)	<b>471</b> (QR)	<b>472</b> (QS)	<b>473</b> (QT)	<b>474</b> (QU)	<b>475</b> (QV)	<b>476</b> (QW)	<b>477</b> (QX)	<b>478</b> (QY)	<b>479</b> (QZ)	<b>480</b> (RA)	<b>481</b> (RB)	<b>482</b> (RC)	<b>483</b> (RD)	<b>484</b> (RE)	<b>485</b> (RF)	<b>486</b> (RG)	<b>487</b> (RH)	<b>488</b> (RI)	<b>489</b> (RJ)	<b>490</b> (RK)	<b>491</b> (RL)	<b>492</b> (RM)	<b>493</b> (RN)	<b>494</b> (RO)	<b>495</b> (RP)	<b>496</b> (RQ)	<b>497</b> (RR)	<b>498</b> (RS)	<b>499</b> (RT)	<b>500</b> (RU)	<b>501</b> (RV)	<b>502</b> (RW)	<b>503</b> (RX)	<b>504</b> (RY)	<b>505</b> (RZ)	<b>506</b> (SA)	<b>507</b> (SB)	<b>508</b> (SC)	<b>509</b> (SD)	<b>510</b> (SE)	<b>511</b> (SF)	<b>512</b> (SG)	<b>513</b> (SH)	<b>514</b> (SI)	<b>515</b> (SJ)	<b>516</b> (SK)	<b>517</b> (SL)	<b>518</b> (SM)	<b>519</b> (SN)	<b>520</b> (SO)	<b>521</b> (SP)	<b>522</b> (SQ)	<b>523</b> (SR)	<b>524</b> (SS)	<b>525</b> (ST)	<b>526</b> (SU)	<b>527</b> (SV)	<b>528</b> (SW)	<b>529</b> (SX)	<b>530</b> (SY)	<b>531</b> (SZ)	<b>532</b> (TA)	<b>533</b> (TB)	<b>534</b> (TC)	<b>535</b> (TD)	<b>536</b> (TE)	<b>537</b> (TF)	<b>538</b> (TG)	<b>539</b> (TH)	<b>540</b> (TI)	<b>541</b> (TJ)	<b>542</b> (TK)	<b>543</b> (TL)	<b>544</b> (TM)	<b>545</b> (TN)	<b>546</b> (TO)	<b>547</b> (TP)	<b>548</b> (TQ)	<b>549</b> (TR)	<b>550</b> (TS)	<b>551</b> (TT)	<b>552</b> (TU)	<b>553</b> (TV)	<b>554</b> (TW)	<b>555</b> (TX)	<b>556</b> (TY)	<b>557</b> (TZ)	<b>558</b> (UA)	<b>559</b> (UB)	<b>560</b> (UC)	<b>561</b> (UD)	<b>562</b> (UE)	<b>563</b> (UF)	<b>564</b> (UG)	<b>565</b> (UH)	<b>566</b> (UI)	<b>567</b> (UJ)	<b>568</b> (UK)	<b>569</b> (UL)	<b>570</b> (UM)	<b>571</b> (UN)	<b>572</b> (UO)	<b>573</b> (UP)	<b>574</b> (UQ)	<b>575</b> (UR)	<b>576</b> (US)	<b>577</b> (UT)	<b>578</b> (UU)	<b>579</b> (UV)	<b>580</b> (UW)	<b>581</b> (UX)	<b>582</b> (UY)	<b>583</b> (UZ)	<b>584</b> (VA)	<b>585</b> (VB)	<b>586</b> (VC)	<b>587</b> (VD)	<b>588</b> (VE)	<b>589</b> (VF)	<b>590</b> (VG)	<b>591</b> (VH)	<b>592</b> (VI)	<b>593</b> (VJ)	<b>594</b> (VK)	<b>595</b> (VL)	<b>596</b> (VM)	<b>597</b> (VN)	<b>598</b> (VO)	<b>599</b> (VP)	<b>600</b> (VQ)	<b>601</b> (VR)	<b>602</b> (VS)	<b>603</b> (VT)	<b>604</b> (VU)	<b>605</b> (VV)	<b>606</b> (VW)	<b>607</b> (VX)	<b>608</b> (VY)	<b>609</b> (VZ)	<b>610</b> (WA)	<b>611</b> (WB)	<b>612</b> (WC)	<b>613</b> (WD)	<b>614</b> (WE)	<b>615</b> (WF)	<b>616</b> (WG)	<b>617</b> (WH)	<b>618</b> (WI)	<b>619</b> (WJ)	<b>620</b> (WK)	<b>621</b> (WL)	<b>622</b> (WM)	<b>623</b> (WN)	<b>624</b> (WO)	<b>625</b> (WP)	<b>626</b> (WQ)	<b>627</b> (WR)	<b>628</b> (WS)	<b>629</b> (WT)	<b>630</b> (WU)	<b>631</b> (WV)	<b>632</b> (WW)	<b>633</b> (WX)	<b>634</b> (WY)	<
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**Well Name: Stove Pipe 7 Fee SWD #1**

**Location: O- Sec 7-T25S-R35E; 660' FSL and 1980 FEL**

**Lea Co., NM**

**1. Casing Program**

Hole Size	Casing Size	Set Depth	Sacks of Cement	Grade	Weight	Mud Weight	Top of Cement
26"	20"	925'	1795	K-55	94	8.4 ppg	Surface
17 ½"	13 3/8"	5475'	3515	HCL-80	54.5	10.0 ppg	Surface
12 ¼"	9 5/8"	12800'	1910	P110	53.5	10.0 ppg	Surface
8 1/5"	7 5/8"	18125'	475		29.7	10.0 ppg	12,600' (TOL)

**2. Cementing Program**

Casing		# Sks	Yld. Ft3/sk	Density (ppg)	Top of Cement	Excess	Slurry Description
Surf.	Lead	1230	1.72	13.5	Surface	125%	Class C
Surf.	Tail	565	1.34	14.8	625	50%	Class C
1 <sup>st</sup> Inter.	Lead	3030	2.17	12.7	Surface	100%	85:15 Class C Poz-Mix
1 <sup>st</sup> Inter.	Tail	485	1.33	14.8	4975	75%	Class C
2 <sup>nd</sup> Inter. Stage 1	Lead	775	3.88	10.5	5375	50%	HSLD 9420
2 <sup>nd</sup> Inter. Stage 1	Tail	320	1.54	13.8	11800	50%	HSLD 125
2 <sup>nd</sup> Inter. Stage 2	Lead	670	2.78	11.8	Surface	0%	85:15 Class C CPO-18
2 <sup>nd</sup> Inter. Stage 2	Tail	145	1.33	14.8	4875	0%	Class C
Production Liner	Primary	457	1.34	15.6	12600	50%	HSLD 87



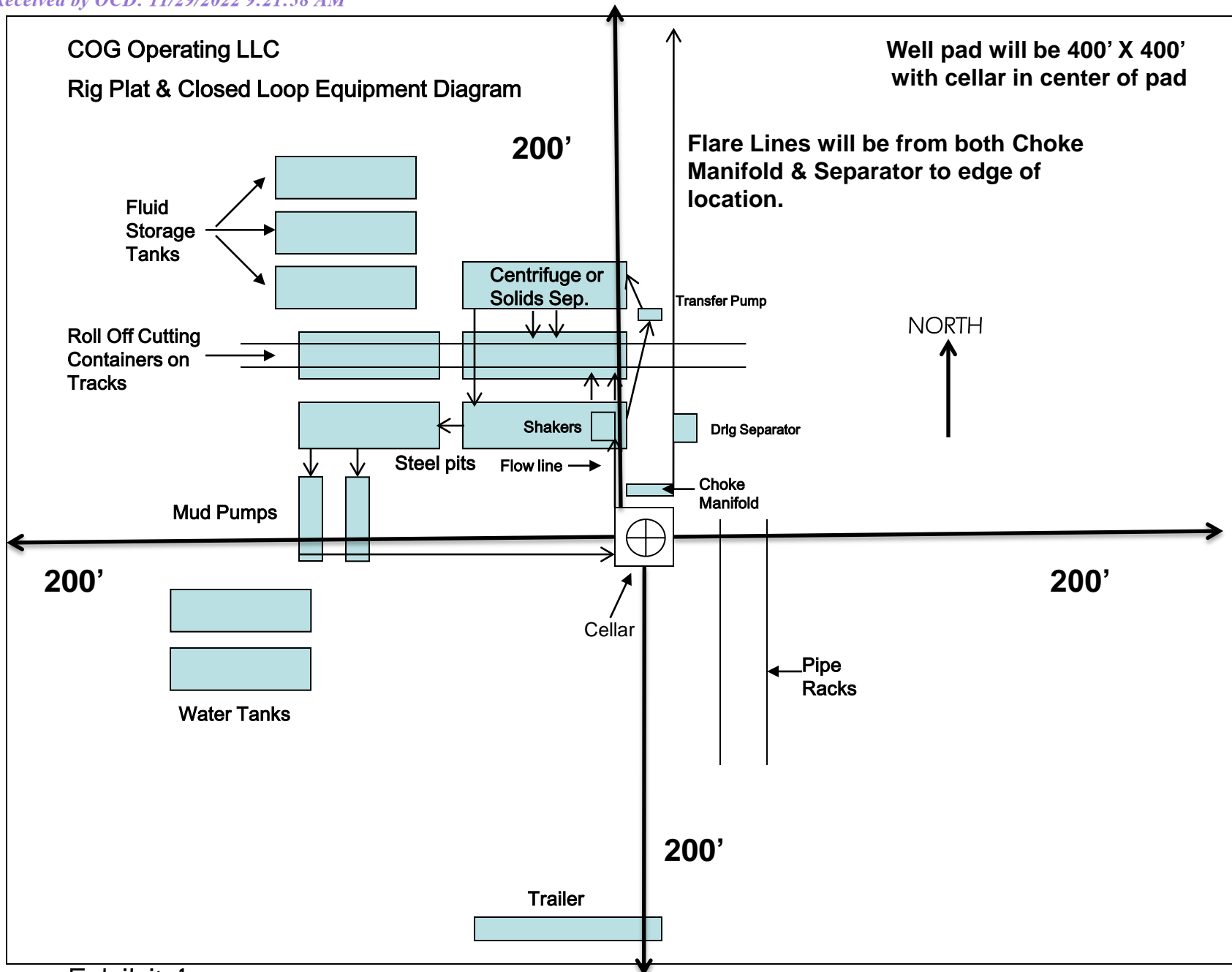


Exhibit 1



**District I**

1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**

811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**

1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 155505

**CONDITIONS**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 155505
	Action Type: [C-101] Drilling Non-Federal/Indian (APD)

**CONDITIONS**

Created By	Condition	Condition Date
pkautz	In addition to the requirements of the APD, operator shall complete the conditions contained in the UIC permit including logging (CBL for liner; mud logging, etc.), well testing, and reporting as stipulated.	7/6/2023
pkautz	Notify OCD 24 hours prior to casing & cement	7/6/2023
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string	7/6/2023
pkautz	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system	7/6/2023
pkautz	CEMENT IS TO CIRCULATE ON ALL STRINGS	7/6/2023
pkautz	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud	7/6/2023