



Athens, TX (903) 677-0700 . Beeville, TX (361) 354-5200 . Midland, TX (432) 704-5351

**GAS ANALYSIS REPORT**

LABORATORY REPORT NUMBER

211207-9999-12-120721-10

PHYSICAL CONSTANTS PER GPA 2145-16

| COMPANY:       | NOVO OIL AND GAS      | CYLINDER NO.:   | 5112       |
|----------------|-----------------------|-----------------|------------|
| STATION:       | CUBLEBRA BLUFF CTB #3 | DATE ON:        | 12/01/2021 |
| PROD.:         | NOVO OIL AND GAS      | DATE OFF:       |            |
| LEASE:         | CUBLEBRA BLUFF CTB #3 | DATE ANALYZED:  | 12/07/2021 |
| TEMP:          |                       | EFFECTIVE DATE: | 12/01/2021 |
| PRESS.         |                       | SAMPLED BY      |            |
| COMPONENT      | MOLE %                | GPM             | WT. %      |
| H2S            | 0.0000                |                 |            |
| OXYGEN         | 0.0010                |                 | 0.0010     |
| CARBON DIOXIDE | 0.0220                |                 | 0.0440     |
| NITROGEN       | 1.1680                |                 | 1.4900     |
| METHANE        | 76.8980               |                 | 56.1660    |
| ETHANE         | 11.8440               | 3.1620          | 16.2150    |
| PROPANE        | 5.2770                | 1.4510          | 10.5940    |
| I-BUTANE       | 0.7880                | 0.2570          | 2.0850     |
| N-BUTANE       | 1.6860                | 0.5310          | 4.4620     |
| I-PENTANE      | 0.4460                | 0.1630          | 1.4650     |
| N-PENTANE      | 0.4760                | 0.1720          | 1.5640     |
| HEXANE PLUS    | 1.3940                | 0.6040          | 5.9140     |
| TOTAL          | 100.0000              | 6.3400          | 100.0000   |

| PRESSURE BASE | 14.65   | 14.73   | 15.025  |
|---------------|---------|---------|---------|
| BTU DRY BASIS | 1309.24 | 1316.39 | 1342.76 |
| BTU SAT BASIS | 1286.33 | 1293.36 | 1319.26 |

REAL GRAVITY 0.7611

H2S: 0 ppm

Z FACTOR 0.9960

SAMPLE TYPE: SPOT

MERCAPTAN PPM: 0

ANALYZED BY: PETER DOUGLAS

CHROMATOGRAPH 9999-12-120721-10

06-20-2018



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**GAS ANALYSIS REPORT**

LABORATORY REPORT NUMBER

211207-9999-12-120721-04

PHYSICAL CONSTANTS PER GPA 2145-16

| COMPANY:         | NOVO OIL AND GAS    | CYLINDER NO.:   | 1800       |
|------------------|---------------------|-----------------|------------|
| STATION:         | GOONCH FC 0407 235H | DATE ON:        | 12/01/2021 |
| PROD.:           | NOVO OIL AND GAS    | DATE OFF:       |            |
| LEASE:           | GOONCH FC 0407 235H | DATE ANALYZED:  | 12/07/2021 |
| TEMP:            |                     | EFFECTIVE DATE: | 12/01/2021 |
| PRESS.           |                     | SAMPLED BY      |            |
| COMPONENT        | MOLE %              | GPM             | WT. %      |
| H <sub>2</sub> S | 0.0000              |                 |            |
| OXYGEN           | 0.0020              |                 | 0.0030     |
| CARBON DIOXIDE   | 0.0770              |                 | 0.1540     |
| NITROGEN         | 1.2520              |                 | 1.5950     |
| METHANE          | 75.8860             |                 | 55.3540    |
| ETHANE           | 12.5040             | 3.3380          | 17.0960    |
| PROPANE          | 5.8590              | 1.6110          | 11.7470    |
| I-BUTANE         | 0.7510              | 0.2450          | 1.9850     |
| N-BUTANE         | 1.7200              | 0.5410          | 4.5460     |
| I-PENTANE        | 0.3710              | 0.1350          | 1.2170     |
| N-PENTANE        | 0.4000              | 0.1450          | 1.3120     |
| HEXANE PLUS      | 1.1780              | 0.5100          | 4.9910     |

|       |          |        |          |
|-------|----------|--------|----------|
| TOTAL | 100.0000 | 6.5250 | 100.0000 |
|-------|----------|--------|----------|

| PRESSURE BASE | 14.65   | 14.73   | 15.025  |
|---------------|---------|---------|---------|
| BTU DRY BASIS | 1308.13 | 1315.27 | 1341.61 |
| BTU SAT BASIS | 1285.23 | 1292.25 | 1318.13 |

REAL GRAVITY 0.7621

H<sub>2</sub>S: 0 ppm

Z FACTOR 0.9960

SAMPLE TYPE: SPOT

MERCAPTAN PPM: 0

ANALYZED BY: PETER DOUGLAS

CHROMATOGRAPH 9999-12-120721-04

06-20-2018



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**GAS ANALYSIS REPORT**

LABORATORY REPORT NUMBER

211207-9999-12-120721-08

PHYSICAL CONSTANTS PER GPA 2145-16

|          |                     |                 |            |
|----------|---------------------|-----------------|------------|
| COMPANY: | NOVO OIL AND GAS    | CYLINDER NO.:   | 35         |
| STATION: | GOONCH FC 0409 134H | DATE ON:        | 12/01/2021 |
| PROD.:   | NOVO OIL AND GAS    | DATE OFF:       |            |
| LEASE:   | GOONCH FC 0409 134H | DATE ANALYZED:  | 12/07/2021 |
| TEMP:    |                     | EFFECTIVE DATE: | 12/012/021 |
| PRESS.   |                     | SAMPLED BY      |            |

| COMPONENT      | MOLE %  | GPM    | WT. %   |
|----------------|---------|--------|---------|
| H2S            | 0.0000  |        |         |
| OXYGEN         | 0.0010  |        | 0.0010  |
| CARBON DIOXIDE | 0.0940  |        | 0.1900  |
| NITROGEN       | 1.1810  |        | 1.5230  |
| METHANE        | 77.9140 |        | 57.5380 |
| ETHANE         | 10.2130 | 2.7260 | 14.1360 |
| PROPANE        | 6.2390  | 1.7160 | 12.6640 |
| I-BUTANE       | 0.3690  | 0.1210 | 0.9870  |
| N-BUTANE       | 1.8100  | 0.5700 | 4.8430  |
| I-PENTANE      | 0.7640  | 0.2790 | 2.5370  |
| N-PENTANE      | 0.5050  | 0.1830 | 1.6770  |
| HEXANE PLUS    | 0.9100  | 0.3940 | 3.9040  |

|       |          |        |          |
|-------|----------|--------|----------|
| TOTAL | 100.0000 | 5.9890 | 100.0000 |
|-------|----------|--------|----------|

| PRESSURE BASE | 14.65   | 14.73   | 15.025  |
|---------------|---------|---------|---------|
| BTU DRY BASIS | 1294.18 | 1301.25 | 1327.31 |
| BTU SAT BASIS | 1271.54 | 1278.48 | 1304.08 |

REAL GRAVITY 0.7527

H2S: 0 ppm

Z FACTOR 0.9961

SAMPLE TYPE: SPOT

MERCAPTAN PPM: 0

ANALYZED BY: PETER DOUGLAS

CHROMATOGRAPH 9999-12-120721-08

06-20-2018



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**GAS ANALYSIS REPORT**

LABORATORY REPORT NUMBER

211207-9999-12-120721-16

PHYSICAL CONSTANTS PER GPA 2145-16

| COMPANY:         | NOVO OIL AND GAS    | CYLINDER NO.:   | 2033       |
|------------------|---------------------|-----------------|------------|
| STATION:         | GOONCH FC 0409 136H | DATE ON:        | 12/01/2021 |
| PROD.:           | NOVO OIL AND GAS    | DATE OFF:       |            |
| LEASE:           | GOONCH FC 0409 136H | DATE ANALYZED:  | 12/07/2021 |
| TEMP:            |                     | EFFECTIVE DATE: | 12/01/2021 |
| PRESS.           |                     | SAMPLED BY      |            |
| COMPONENT        | MOLE %              | GPM             | WT. %      |
| H <sub>2</sub> S | 0.0000              |                 |            |
| OXYGEN           | 0.0020              |                 | 0.0030     |
| CARBON DIOXIDE   | 0.0800              |                 | 0.1580     |
| NITROGEN         | 1.0950              |                 | 1.3740     |
| METHANE          | 77.5620             |                 | 55.7290    |
| ETHANE           | 11.0920             | 2.9620          | 14.9380    |
| PROPANE          | 4.5320              | 1.2470          | 8.9510     |
| I-BUTANE         | 0.7870              | 0.2570          | 2.0490     |
| N-BUTANE         | 1.5830              | 0.4980          | 4.1210     |
| I-PENTANE        | 0.4910              | 0.1790          | 1.5870     |
| N-PENTANE        | 0.5270              | 0.1910          | 1.7030     |
| HEXANE PLUS      | 2.2490              | 0.9740          | 9.3870     |

|       |          |        |          |
|-------|----------|--------|----------|
| TOTAL | 100.0000 | 6.3080 | 100.0000 |
|-------|----------|--------|----------|

| PRESSURE BASE | 14.65   | 14.73   | 15.025  |
|---------------|---------|---------|---------|
| BTU DRY BASIS | 1328.49 | 1335.74 | 1362.49 |
| BTU SAT BASIS | 1305.24 | 1312.37 | 1338.65 |

REAL GRAVITY 0.7738

H<sub>2</sub>S: 0 ppm

Z FACTOR 0.9958

SAMPLE TYPE: SPOT

MERCAPTAN PPM: 0

ANALYZED BY: PETER DOUGLAS

CHROMATOGRAPH 9999-12-120721-16

06-20-2018



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**GAS ANALYSIS REPORT**

LABORATORY REPORT NUMBER

211207-9999-12-120721-09

PHYSICAL CONSTANTS PER GPA 2145-16

|          |                     |                 |            |
|----------|---------------------|-----------------|------------|
| COMPANY: | NOVO OIL AND GAS    | CYLINDER NO.:   | 5388       |
| STATION: | GOONCH FC 0409 214H | DATE ON:        | 12/01/2021 |
| PROD.:   | NOVO OIL AND GAS    | DATE OFF:       |            |
| LEASE:   | GOONCH FC 0409 214H | DATE ANALYZED:  | 12/07/2021 |
| TEMP:    |                     | EFFECTIVE DATE: | 12/01/2021 |
| PRESS.   |                     | SAMPLED BY      |            |

| COMPONENT      | MOLE %   | GPM    | WT. %    |
|----------------|----------|--------|----------|
| H2S            | 0.0000   |        |          |
| OXYGEN         | 0.0000   |        | 0.0000   |
| CARBON DIOXIDE | 0.1790   |        | 0.3640   |
| NITROGEN       | 0.8660   |        | 1.1200   |
| METHANE        | 80.0770  |        | 59.3360  |
| ETHANE         | 9.8690   | 2.6350 | 13.7060  |
| PROPANE        | 3.9220   | 1.0790 | 7.9880   |
| I-BUTANE       | 0.6940   | 0.2270 | 1.8630   |
| N-BUTANE       | 1.4300   | 0.4500 | 3.8390   |
| I-PENTANE      | 0.4840   | 0.1770 | 1.6130   |
| N-PENTANE      | 0.5130   | 0.1860 | 1.7090   |
| HEXANE PLUS    | 1.9660   | 0.8520 | 8.4620   |
| TOTAL          | 100.0000 | 5.6060 | 100.0000 |

| PRESSURE BASE | 14.65   | 14.73   | 15.025  |
|---------------|---------|---------|---------|
| BTU DRY BASIS | 1293.1  | 1300.16 | 1326.20 |
| BTU SAT BASIS | 1270.47 | 1277.41 | 1302.99 |

REAL GRAVITY 0.7501

H2S: 0 ppm

Z FACTOR 0.9961

SAMPLE TYPE: SPOT

MERCAPTAN PPM: 0

ANALYZED BY: PETER DOUGLAS

CHROMATOGRAPH 9999-12-120721-09

06-20-2018



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**GAS ANALYSIS REPORT**

LABORATORY REPORT NUMBER

211207-9999-12-120721-12

PHYSICAL CONSTANTS PER GPA 2145-16

|          |                     |                 |            |
|----------|---------------------|-----------------|------------|
| COMPANY: | NOVO OIL AND GAS    | CYLINDER NO.:   | 9569       |
| STATION: | GOONCH FC 0409 234H | DATE ON:        | 12/01/2021 |
| PROD.:   | NOVO OIL AND GAS    | DATE OFF:       |            |
| LEASE:   | GOONCH FC 0409 234H | DATE ANALYZED:  | 12/07/2021 |
| TEMP:    |                     | EFFECTIVE DATE: | 12/01/2021 |
| PRESS.   |                     | SAMPLED BY      |            |

| COMPONENT      | MOLE %   | GPM    | WT. %    |
|----------------|----------|--------|----------|
| H2S            | 0.0000   |        |          |
| OXYGEN         | 0.0030   |        | 0.0040   |
| CARBON DIOXIDE | 0.1480   |        | 0.2740   |
| NITROGEN       | 1.6320   |        | 1.9200   |
| METHANE        | 72.5650  |        | 48.9000  |
| ETHANE         | 12.5280  | 3.3470 | 15.8240  |
| PROPANE        | 6.2990   | 1.7340 | 11.6680  |
| I-BUTANE       | 0.8550   | 0.2800 | 2.0870   |
| N-BUTANE       | 2.0530   | 0.6470 | 5.0120   |
| I-PENTANE      | 0.5280   | 0.1930 | 1.6000   |
| N-PENTANE      | 0.6280   | 0.2270 | 1.9030   |
| HEXANE PLUS    | 2.7610   | 1.1970 | 10.8080  |
| TOTAL          | 100.0000 | 7.6250 | 100.0000 |

| PRESSURE BASE | 14.65   | 14.73   | 15.025  |
|---------------|---------|---------|---------|
| BTU DRY BASIS | 1398.14 | 1405.78 | 1433.93 |
| BTU SAT BASIS | 1373.67 | 1381.18 | 1408.84 |

REAL GRAVITY 0.8256

H2S: 0 ppm

Z FACTOR 0.9952

SAMPLE TYPE: SPOT

MERCAPTAN PPM: 0

ANALYZED BY: PETER DOUGLAS

CHROMATOGRAPH 9999-12-120721-12

06-20-2018



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**GAS ANALYSIS REPORT**

LABORATORY REPORT NUMBER

211207-9999-12-120721-06

PHYSICAL CONSTANTS PER GPA 2145-16

| COMPANY:         | NOVO OIL AND GAS    | CYLINDER NO.:   | 9263       |
|------------------|---------------------|-----------------|------------|
| STATION:         | GOONCH FC 0409 236H | DATE ON:        | 12/01/2021 |
| PROD.:           | NOVO OIL AND GAS    | DATE OFF:       |            |
| LEASE:           | GOONCH FC 0409 236H | DATE ANALYZED:  | 12/07/2021 |
| TEMP:            |                     | EFFECTIVE DATE: | 12/01/2021 |
| PRESS.           |                     | SAMPLED BY      |            |
| COMPONENT        | MOLE %              | GPM             | WT. %      |
| H <sub>2</sub> S | 0.0000              |                 |            |
| OXYGEN           | 0.0010              |                 | 0.0020     |
| CARBON DIOXIDE   | 0.0980              |                 | 0.2040     |
| NITROGEN         | 1.1090              |                 | 1.4690     |
| METHANE          | 79.0390             |                 | 59.9640    |
| ETHANE           | 11.2760             | 3.0090          | 16.0350    |
| PROPANE          | 4.5200              | 1.2430          | 9.4260     |
| I-BUTANE         | 0.7300              | 0.2380          | 2.0070     |
| N-BUTANE         | 1.4960              | 0.4710          | 4.1120     |
| I-PENTANE        | 0.4210              | 0.1540          | 1.4360     |
| N-PENTANE        | 0.4310              | 0.1560          | 1.4710     |
| HEXANE PLUS      | 0.8790              | 0.3810          | 3.8740     |

|       |          |        |          |
|-------|----------|--------|----------|
| TOTAL | 100.0000 | 5.6520 | 100.0000 |
|-------|----------|--------|----------|

| PRESSURE BASE | 14.65   | 14.73   | 15.025  |
|---------------|---------|---------|---------|
| BTU DRY BASIS | 1263.92 | 1270.82 | 1296.27 |
| BTU SAT BASIS | 1241.8  | 1248.58 | 1273.59 |

REAL GRAVITY 0.7324

H<sub>2</sub>S: 0 ppm

Z FACTOR 0.9964

SAMPLE TYPE: SPOT

MERCAPTAN PPM: 0

ANALYZED BY: PETER DOUGLAS

CHROMATOGRAPH 9999-12-120721-06

06-20-2018



Athens, TX (903) 677-0700 . Beeville, TX (361) 354-5200 . Midland, TX (432) 704-5351

**GAS ANALYSIS REPORT**

LABORATORY REPORT NUMBER

211207-9999-12-120721-15

PHYSICAL CONSTANTS PER GPA 2145-16

| COMPANY:       | NOVO OIL AND GAS         | CYLINDER NO.:   | 9425       |
|----------------|--------------------------|-----------------|------------|
| STATION:       | GOONCH FED COM 0409 225H | DATE ON:        | 12/01/2021 |
| PROD.:         | NOVO OIL AND GAS         | DATE OFF:       |            |
| LEASE:         | GOONCH FC 0409 225H      | DATE ANALYZED:  | 12/07/2021 |
| TEMP:          |                          | EFFECTIVE DATE: | 12/01/2021 |
| PRESS.         |                          | SAMPLED BY      |            |
| COMPONENT      | MOLE %                   | GPM             | WT. %      |
| H2S            | 0.0000                   |                 |            |
| OXYGEN         | 0.0070                   |                 | 0.0090     |
| CARBON DIOXIDE | 0.1000                   |                 | 0.1830     |
| NITROGEN       | 0.9160                   |                 | 1.0650     |
| METHANE        | 74.2690                  |                 | 49.4530    |
| ETHANE         | 11.5510                  | 3.0870          | 14.4170    |
| PROPANE        | 5.2930                   | 1.4570          | 9.6880     |
| I-BUTANE       | 0.8560                   | 0.2800          | 2.0650     |
| N-BUTANE       | 1.9250                   | 0.6060          | 4.6440     |
| I-PENTANE      | 0.6260                   | 0.2290          | 1.8750     |
| N-PENTANE      | 0.7310                   | 0.2650          | 2.1890     |
| HEXANE PLUS    | 3.7260                   | 1.6160          | 14.4120    |

|       |          |        |          |
|-------|----------|--------|----------|
| TOTAL | 100.0000 | 7.5400 | 100.0000 |
|-------|----------|--------|----------|

| PRESSURE BASE | 14.65   | 14.73   | 15.025  |
|---------------|---------|---------|---------|
| BTU DRY BASIS | 1426.49 | 1434.28 | 1463.00 |
| BTU SAT BASIS | 1401.52 | 1409.18 | 1437.40 |

REAL GRAVITY 0.8356

H2S: 0 ppm

Z FACTOR 0.9950

SAMPLE TYPE: SPOT

MERCAPTAN PPM: 0

ANALYZED BY: PETER DOUGLAS

CHROMATOGRAPH 9999-12-120721-15

06-20-2018



Athens, TX (903) 677-0700 . Beeville, TX (361) 354-5200 . Midland, TX (432) 704-5351

**GAS ANALYSIS REPORT**

LABORATORY REPORT NUMBER

211207-9999-12-120721-11

PHYSICAL CONSTANTS PER GPA 2145-16

|          |                         |                 |            |
|----------|-------------------------|-----------------|------------|
| COMPANY: | NOVO OIL AND GAS        | CYLINDER NO.:   | 5258       |
| STATION: | RANA SALADA A POD SALES | DATE ON:        | 12/01/2021 |
| PROD.:   | NOVO OIL AND GAS        | DATE OFF:       |            |
| LEASE:   | RANA SALADA A POD SALES | DATE ANALYZED:  | 12/07/2021 |
| TEMP:    |                         | EFFECTIVE DATE: | 12/01/2021 |
| PRESS.   |                         | SAMPLED BY      |            |

| COMPONENT      | MOLE %   | GPM    | WT. %    |
|----------------|----------|--------|----------|
| H2S            | 0.0000   |        |          |
| OXYGEN         | 0.0100   |        | 0.0150   |
| CARBON DIOXIDE | 0.0750   |        | 0.1510   |
| NITROGEN       | 0.8210   |        | 1.0530   |
| METHANE        | 78.3160  |        | 57.5350  |
| ETHANE         | 11.1840  | 2.9860 | 15.4010  |
| PROPANE        | 4.6650   | 1.2830 | 9.4200   |
| I-BUTANE       | 0.7370   | 0.2410 | 1.9620   |
| N-BUTANE       | 1.5860   | 0.4990 | 4.2220   |
| I-PENTANE      | 0.4460   | 0.1630 | 1.4740   |
| N-PENTANE      | 0.4680   | 0.1690 | 1.5460   |
| HEXANE PLUS    | 1.6920   | 0.7330 | 7.2210   |
| TOTAL          | 100.0000 | 6.0740 | 100.0000 |

| PRESSURE BASE | 14.65   | 14.73   | 15.025  |
|---------------|---------|---------|---------|
| BTU DRY BASIS | 1306.53 | 1313.66 | 1339.97 |
| BTU SAT BASIS | 1283.67 | 1290.67 | 1316.52 |

REAL GRAVITY 0.7566

H2S: 0 ppm

Z FACTOR 0.9960

SAMPLE TYPE: SPOT

MERCAPTAN PPM: 0

ANALYZED BY: PETER DOUGLAS

CHROMATOGRAPH 9999-12-120721-11

06-20-2018



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**GAS ANALYSIS REPORT**

LABORATORY REPORT NUMBER

211207-9999-12-120721-07

PHYSICAL CONSTANTS PER GPA 2145-16

| COMPANY:         | NOVO OIL AND GAS        | CYLINDER NO.:   | 5185       |
|------------------|-------------------------|-----------------|------------|
| STATION:         | RANA SALADA E POD SALES | DATE ON:        | 12/01/2021 |
| PROD.:           | NOVO OIL AND GAS        | DATE OFF:       |            |
| LEASE:           | RANA SALADA E POD SALES | DATE ANALYZED:  | 12/07/2021 |
| TEMP:            |                         | EFFECTIVE DATE: | 12/01/2021 |
| PRESS.           |                         | SAMPLED BY      |            |
| COMPONENT        | MOLE %                  | GPM             | WT. %      |
| H <sub>2</sub> S | 0.0000                  |                 |            |
| OXYGEN           | 0.0520                  |                 | 0.0740     |
| CARBON DIOXIDE   | 0.1660                  |                 | 0.3250     |
| NITROGEN         | 7.1530                  |                 | 8.9080     |
| METHANE          | 71.9380                 |                 | 51.3040    |
| ETHANE           | 10.9990                 | 2.9360          | 14.7020    |
| PROPANE          | 4.8020                  | 1.3200          | 9.4130     |
| I-BUTANE         | 0.7960                  | 0.2600          | 2.0570     |
| N-BUTANE         | 1.7350                  | 0.5460          | 4.4830     |
| I-PENTANE        | 0.5330                  | 0.1950          | 1.7100     |
| N-PENTANE        | 0.5780                  | 0.2090          | 1.8540     |
| HEXANE PLUS      | 1.2480                  | 0.5400          | 5.1700     |

|       |          |        |          |
|-------|----------|--------|----------|
| TOTAL | 100.0000 | 6.0060 | 100.0000 |
|-------|----------|--------|----------|

| PRESSURE BASE | 14.65   | 14.73   | 15.025  |
|---------------|---------|---------|---------|
| BTU DRY BASIS | 1233.75 | 1240.48 | 1265.33 |
| BTU SAT BASIS | 1212.16 | 1218.77 | 1243.18 |

REAL GRAVITY 0.7793

H<sub>2</sub>S: 0 ppm

Z FACTOR 0.9963

SAMPLE TYPE: SPOT

MERCAPTAN PPM: 0

ANALYZED BY: PETER DOUGLAS

CHROMATOGRAPH 9999-12-120721-07

06-20-2018



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**GAS ANALYSIS REPORT**

LABORATORY REPORT NUMBER

211207-9999-12-120721-14

PHYSICAL CONSTANTS PER GPA 2145-16

| COMPANY:         | NOVO OIL AND GAS         | CYLINDER NO.:   | 5086       |
|------------------|--------------------------|-----------------|------------|
| STATION:         | RANA SALADA FC 0504 133H | DATE ON:        | 12/01/2021 |
| PROD.:           | NOVO OIL AND GAS         | DATE OFF:       |            |
| LEASE:           | RANA SALADA FC 0504 133H | DATE ANALYZED:  | 12/07/2021 |
| TEMP:            |                          | EFFECTIVE DATE: | 12/01/2021 |
| PRESS.           |                          | SAMPLED BY      |            |
| COMPONENT        | MOLE %                   | GPM             | WT. %      |
| H <sub>2</sub> S | 0.0000                   |                 |            |
| OXYGEN           | 0.0060                   |                 | 0.0080     |
| CARBON DIOXIDE   | 0.1300                   |                 | 0.2470     |
| NITROGEN         | 1.9400                   |                 | 2.3470     |
| METHANE          | 75.4960                  |                 | 52.3040    |
| ETHANE           | 11.0360                  | 2.9480          | 14.3310    |
| PROPANE          | 4.7640                   | 1.3110          | 9.0720     |
| I-BUTANE         | 0.7980                   | 0.2610          | 2.0030     |
| N-BUTANE         | 1.7650                   | 0.5560          | 4.4300     |
| I-PENTANE        | 0.5600                   | 0.2050          | 1.7450     |
| N-PENTANE        | 0.6520                   | 0.2360          | 2.0310     |
| HEXANE PLUS      | 2.8530                   | 1.2370          | 11.4820    |
| TOTAL            | 100.0000                 | 6.7540          | 100.0000   |

| PRESSURE BASE | 14.65   | 14.73   | 15.025  |
|---------------|---------|---------|---------|
| BTU DRY BASIS | 1357.96 | 1365.37 | 1392.71 |
| BTU SAT BASIS | 1334.19 | 1341.48 | 1368.34 |

REAL GRAVITY 0.8028

H<sub>2</sub>S: 0 ppm

Z FACTOR 0.9955

SAMPLE TYPE: SPOT

MERCAPTAN PPM: 0

ANALYZED BY: PETER DOUGLAS

CHROMATOGRAPH 9999-12-120721-14

06-20-2018



Athens, TX (903) 677-0700 . Beeville, TX (361) 354-5200 . Midland, TX (432) 704-5351

**GAS ANALYSIS REPORT**

LABORATORY REPORT NUMBER

211207-9999-12-120721-13

PHYSICAL CONSTANTS PER GPA 2145-16

| COMPANY:         | NOVO OIL AND GAS         | CYLINDER NO.:   | 5085       |
|------------------|--------------------------|-----------------|------------|
| STATION:         | RANA SALADA FC 0504 214H | DATE ON:        | 12/01/2021 |
| PROD.:           | NOVO OIL AND GAS         | DATE OFF:       |            |
| LEASE:           | RANA SALADA FC 0504 214H | DATE ANALYZED:  | 12/07/2021 |
| TEMP:            |                          | EFFECTIVE DATE: | 12/01/2021 |
| PRESS.           |                          | SAMPLED BY      |            |
| COMPONENT        | MOLE %                   | GPM             | WT. %      |
| H <sub>2</sub> S | 0.0000                   |                 |            |
| OXYGEN           | 0.0090                   |                 | 0.0120     |
| CARBON DIOXIDE   | 0.1490                   |                 | 0.2830     |
| NITROGEN         | 11.1270                  |                 | 13.4320    |
| METHANE          | 68.2220                  |                 | 47.1590    |
| ETHANE           | 10.6130                  | 2.8330          | 13.7510    |
| PROPANE          | 4.6020                   | 1.2650          | 8.7440     |
| I-BUTANE         | 0.7670                   | 0.2500          | 1.9210     |
| N-BUTANE         | 1.6440                   | 0.5170          | 4.1170     |
| I-PENTANE        | 0.4960                   | 0.1810          | 1.5420     |
| N-PENTANE        | 0.5320                   | 0.1920          | 1.6540     |
| HEXANE PLUS      | 1.8390                   | 0.7960          | 7.3850     |

|       |          |        |          |
|-------|----------|--------|----------|
| TOTAL | 100.0000 | 6.0340 | 100.0000 |
|-------|----------|--------|----------|

| PRESSURE BASE | 14.65   | 14.73   | 15.025  |
|---------------|---------|---------|---------|
| BTU DRY BASIS | 1207.41 | 1214.01 | 1238.32 |
| BTU SAT BASIS | 1186.28 | 1192.76 | 1216.65 |

REAL GRAVITY 0.8040

H<sub>2</sub>S: 0 ppm

Z FACTOR 0.9963

SAMPLE TYPE: SPOT

MERCAPTAN PPM: 0

ANALYZED BY: PETER DOUGLAS

CHROMATOGRAPH 9999-12-120721-13

06-20-2018



Athens, TX (903) 677-0700 . Beeville, TX (361) 354-5200 . Midland, TX (432) 704-5351

**GAS ANALYSIS REPORT**

LABORATORY REPORT NUMBER

211207-9999-12-120721-02

PHYSICAL CONSTANTS PER GPA 2145-16

| COMPANY:         | NOVO OIL AND GAS         | CYLINDER NO.:   | 5162       |
|------------------|--------------------------|-----------------|------------|
| STATION:         | RANA SALADA FC 0504 234H | DATE ON:        | 12/01/2021 |
| PROD.:           | NOVO OIL AND GAS         | DATE OFF:       |            |
| LEASE:           | RANA SALADA FC 0504 234H | DATE ANALYZED:  | 12/07/2021 |
| TEMP:            |                          | EFFECTIVE DATE: | 12/01/2021 |
| PRESS.           |                          | SAMPLED BY      |            |
| COMPONENT        | MOLE %                   | GPM             | WT. %      |
| H <sub>2</sub> S | 0.0000                   |                 |            |
| OXYGEN           | 0.0020                   |                 | 0.0030     |
| CARBON DIOXIDE   | 0.1020                   |                 | 0.1920     |
| NITROGEN         | 1.2600                   |                 | 1.5110     |
| METHANE          | 75.1390                  |                 | 51.6060    |
| ETHANE           | 11.4520                  | 3.0590          | 14.7420    |
| PROPANE          | 5.1080                   | 1.4060          | 9.6430     |
| I-BUTANE         | 0.8710                   | 0.2850          | 2.1670     |
| N-BUTANE         | 1.9070                   | 0.6010          | 4.7450     |
| I-PENTANE        | 0.6200                   | 0.2260          | 1.9150     |
| N-PENTANE        | 0.7140                   | 0.2590          | 2.2050     |
| HEXANE PLUS      | 2.8250                   | 1.2250          | 11.2710    |

|       |          |        |          |
|-------|----------|--------|----------|
| TOTAL | 100.0000 | 7.0610 | 100.0000 |
|-------|----------|--------|----------|

| PRESSURE BASE | 14.65   | 14.73   | 15.025  |
|---------------|---------|---------|---------|
| BTU DRY BASIS | 1380.99 | 1388.53 | 1416.34 |
| BTU SAT BASIS | 1356.83 | 1364.24 | 1391.56 |

REAL GRAVITY 0.8099

H<sub>2</sub>S: 0 ppm

Z FACTOR 0.9954

SAMPLE TYPE: SPOT

MERCAPTAN PPM: 0

ANALYZED BY: PETER DOUGLAS

CHROMATOGRAPH 9999-12-120721-02

06-20-2018



Athens, TX (903) 677-0700 . Beeville, TX (361) 354-5200 . Midland, TX (432) 704-5351

**GAS ANALYSIS REPORT**

LABORATORY REPORT NUMBER

211207-9999-12-120721-03

PHYSICAL CONSTANTS PER GPA 2145-16

| COMPANY:       | NOVO OIL AND GAS         | CYLINDER NO.:   | 5208       |
|----------------|--------------------------|-----------------|------------|
| STATION:       | RANA SALADA FC 0605 121H | DATE ON:        | 12/01/2021 |
| PROD.:         | NOVO OIL AND GAS         | DATE OFF:       |            |
| LEASE:         | RANA SALADA FC 0605 121H | DATE ANALYZED:  | 12/07/2021 |
| TEMP:          |                          | EFFECTIVE DATE: | 12/01/2021 |
| PRESS.         |                          | SAMPLED BY      |            |
| COMPONENT      | MOLE %                   | GPM             | WT. %      |
| H2S            | 0.0000                   |                 |            |
| OXYGEN         | 0.0150                   |                 | 0.0220     |
| CARBON DIOXIDE | 0.1080                   |                 | 0.2190     |
| NITROGEN       | 2.2350                   |                 | 2.8790     |
| METHANE        | 77.2710                  |                 | 56.9970    |
| ETHANE         | 11.1100                  | 2.9660          | 15.3600    |
| PROPANE        | 4.6450                   | 1.2770          | 9.4180     |
| I-BUTANE       | 0.7390                   | 0.2410          | 1.9750     |
| N-BUTANE       | 1.5950                   | 0.5020          | 4.2620     |
| I-PENTANE      | 0.4570                   | 0.1670          | 1.5160     |
| N-PENTANE      | 0.4830                   | 0.1750          | 1.6020     |
| HEXANE PLUS    | 1.3420                   | 0.5810          | 5.7500     |
| TOTAL          | 100.0000                 | 5.9090          | 100.0000   |

| PRESSURE BASE | 14.65   | 14.73   | 15.025  |
|---------------|---------|---------|---------|
| BTU DRY BASIS | 1277.33 | 1284.3  | 1310.02 |
| BTU SAT BASIS | 1254.97 | 1261.83 | 1287.10 |

REAL GRAVITY 0.7535

H2S: 0 ppm

Z FACTOR 0.9962

SAMPLE TYPE: SPOT

MERCAPTAN PPM: 0

ANALYZED BY: PETER DOUGLAS

CHROMATOGRAPH 9999-12-120721-03

06-20-2018



Athens, TX (903) 677-0700 . Beeville, TX (361) 354-5200 . Midland, TX (432) 704-5351

**GAS ANALYSIS REPORT**

LABORATORY REPORT NUMBER

211207-9999-12-120721-05

PHYSICAL CONSTANTS PER GPA 2145-16

| COMPANY:       | NOVO OIL AND GAS         | CYLINDER NO.:   | 12147      |
|----------------|--------------------------|-----------------|------------|
| STATION:       | RANA SALADA FC 0605 211H | DATE ON:        | 12/01/2021 |
| PROD.:         | NOVO OIL AND GAS         | DATE OFF:       |            |
| LEASE:         | RANA SALADA FC 0605 211H | DATE ANALYZED:  | 12/07/2021 |
| TEMP:          |                          | EFFECTIVE DATE: | 12/01/2021 |
| PRESS.         |                          | SAMPLED BY      |            |
| COMPONENT      | MOLE %                   | GPM             | WT. %      |
| H2S            | 0.0000                   |                 |            |
| OXYGEN         | 0.0070                   |                 | 0.0100     |
| CARBON DIOXIDE | 0.1150                   |                 | 0.2360     |
| NITROGEN       | 0.8160                   |                 | 1.0660     |
| METHANE        | 78.6380                  |                 | 58.8090    |
| ETHANE         | 11.3170                  | 3.0210          | 15.8630    |
| PROPANE        | 4.7220                   | 1.2980          | 9.7060     |
| I-BUTANE       | 0.7530                   | 0.2460          | 2.0400     |
| N-BUTANE       | 1.6000                   | 0.5030          | 4.3350     |
| I-PENTANE      | 0.4460                   | 0.1630          | 1.5000     |
| N-PENTANE      | 0.4640                   | 0.1680          | 1.5610     |
| HEXANE PLUS    | 1.1220                   | 0.4860          | 4.8740     |

|       |          |        |          |
|-------|----------|--------|----------|
| TOTAL | 100.0000 | 5.8850 | 100.0000 |
|-------|----------|--------|----------|

| PRESSURE BASE | 14.65   | 14.73   | 15.025  |
|---------------|---------|---------|---------|
| BTU DRY BASIS | 1284.87 | 1291.89 | 1317.76 |
| BTU SAT BASIS | 1262.39 | 1269.28 | 1294.70 |

REAL GRAVITY 0.7432

H2S: 0 ppm

Z FACTOR 0.9962

SAMPLE TYPE: SPOT

MERCAPTAN PPM: 0

ANALYZED BY: PETER DOUGLAS

CHROMATOGRAPH 9999-12-120721-05

06-20-2018



Athens, TX (903) 677-0700 . Beeville, TX (361) 354-5200 . Midland, TX (432) 704-5351

**GAS ANALYSIS REPORT**

LABORATORY REPORT NUMBER

211207-9999-12-120721-01

PHYSICAL CONSTANTS PER GPA 2145-16

| COMPANY:       | NOVO OIL AND GAS         | CYLINDER NO.:   | 5117       |
|----------------|--------------------------|-----------------|------------|
| STATION:       | RANA SALADA FC 0605 231H | DATE ON:        | 12/01/2021 |
| PROD.:         | NOVO OIL AND GAS         | DATE OFF:       |            |
| LEASE:         | RANA SALADA FC 0605 231H | DATE ANALYZED:  | 12/07/2021 |
| TEMP:          |                          | EFFECTIVE DATE: | 12/01/2021 |
| PRESS.         |                          | SAMPLED BY      |            |
| COMPONENT      | MOLE %                   | GPM             | WT. %      |
| H2S            | 0.0000                   |                 |            |
| OXYGEN         | 0.0040                   |                 | 0.0060     |
| CARBON DIOXIDE | 0.1120                   |                 | 0.2300     |
| NITROGEN       | 0.7820                   |                 | 1.0200     |
| METHANE        | 78.0150                  |                 | 58.2920    |
| ETHANE         | 11.7130                  | 3.1270          | 16.4040    |
| PROPANE        | 5.0910                   | 1.4000          | 10.4560    |
| I-BUTANE       | 0.8000                   | 0.2610          | 2.1660     |
| N-BUTANE       | 1.7170                   | 0.5400          | 4.6480     |
| I-PENTANE      | 0.4490                   | 0.1640          | 1.5090     |
| N-PENTANE      | 0.4560                   | 0.1650          | 1.5320     |
| HEXANE PLUS    | 0.8610                   | 0.3730          | 3.7370     |

|       |          |        |          |
|-------|----------|--------|----------|
| TOTAL | 100.0000 | 6.0300 | 100.0000 |
|-------|----------|--------|----------|

| PRESSURE BASE | 14.65   | 14.73   | 15.025  |
|---------------|---------|---------|---------|
| BTU DRY BASIS | 1286.63 | 1293.66 | 1319.57 |
| BTU SAT BASIS | 1264.12 | 1271.02 | 1296.47 |

REAL GRAVITY 0.7438

H2S: 0 ppm

Z FACTOR 0.9962

SAMPLE TYPE: SPOT

MERCAPTAN PPM: 0

ANALYZED BY: PETER DOUGLAS

CHROMATOGRAPH 9999-12-120721-01

06-20-2018

| Production Date | Site Name                | Meter Description       | Sum of Volume | Notes                                              |
|-----------------|--------------------------|-------------------------|---------------|----------------------------------------------------|
| 5/27/2022       | Rana Salada FC Pad E CTB | RS Pad E LP Flare Meter | 236           | VRU offline                                        |
| 5/28/2022       | Rana Salada FC Pad E CTB | RS Pad E LP Flare Meter | 231           | VRU offline                                        |
| 5/29/2022       | Rana Salada FC Pad E CTB | RS Pad E LP Flare Meter | 220           | VRU offline                                        |
| 5/30/2022       | Astrodog Pad S CTB       | FB Flare Meter 1        | 198           | from flowback report - Crestwood compressor outage |
| 5/30/2022       | Culebra Bluff CTB 3      | LP Flare Meter          | 100           | Issues with Crestwood's compressors                |
| 5/30/2022       | Rana Salada FC Pad E CTB | RS Pad E LP Flare Meter | 243           | VRU offline                                        |
| 5/30/2022       | Rana Salada FC Pad L CTB | LP Flare Meter          | 75            |                                                    |
| 5/31/2022       | Astrodog Pad S CTB       | FB Flare Meter 1        | 304           | from flowback report - Crestwood compressor outage |
| 5/31/2022       | Culebra Bluff CTB 3      | LP Flare Meter          | 108           | Issues with Crestwood's compressors                |
| 5/31/2022       | Rana Salada FC Pad E CTB | RS Pad E LP Flare Meter | 240           | VRU offline                                        |
| 6/1/2022        | Astrodog Pad S CTB       | FB Flare Meter 1        | 4,755         | from flowback report - Crestwood compressor outage |
| 6/1/2022        | Culebra Bluff CTB 3      | LP Flare Meter          | 145           | Issues with Crestwood's compressors                |
| 6/1/2022        | Rana Salada FC Pad E CTB | RS Pad E LP Flare Meter | 245           | VRU offline                                        |
| 6/1/2022        | Rana Salada FC Pad L CTB | LP Flare Meter          | 213           |                                                    |
| 6/2/2022        | Astrodog Pad S CTB       | FB Flare Meter 1        | 776           | from flowback report - Crestwood compressor outage |
| 6/2/2022        | Culebra Bluff CTB 3      | LP Flare Meter          | 94            |                                                    |
| 6/2/2022        | Rana Salada FC Pad A CTB | RS Pad A HP Flare       | 732           |                                                    |
| 6/2/2022        | Rana Salada FC Pad E CTB | RS Pad E HP Flare Meter | 753           |                                                    |
| 6/2/2022        | Rana Salada FC Pad E CTB | RS Pad E LP Flare Meter | 248           |                                                    |
| 6/2/2022        | Rana Salada FC Pad L CTB | HP Flare Meter          | 187           |                                                    |
| 6/2/2022        | Rana Salada FC Pad L CTB | LP Flare Meter          | 79            |                                                    |
| 6/3/2022        | Astrodog Pad S CTB       | FB Flare Meter 1        | 420           | from flowback report - Crestwood compressor outage |
| 6/3/2022        | Culebra Bluff CTB 3      | LP Flare Meter          | 113           |                                                    |
| 6/3/2022        | Rana Salada FC Pad A CTB | RS Pad A HP Flare       | 2,267         |                                                    |
| 6/3/2022        | Rana Salada FC Pad A CTB | RS Pad A LP Flare       | 79            |                                                    |
| 6/3/2022        | Rana Salada FC Pad E CTB | RS Pad E HP Flare Meter | 1,109         |                                                    |
| 6/3/2022        | Rana Salada FC Pad E CTB | RS Pad E LP Flare Meter | 249           |                                                    |
| 6/3/2022        | Rana Salada FC Pad L CTB | LP Flare Meter          | 96            |                                                    |
| 6/4/2022        | Culebra Bluff CTB 3      | LP Flare Meter          | 59            |                                                    |
| 6/4/2022        | Rana Salada FC Pad A CTB | RS Pad A HP Flare       | 595           |                                                    |
| 6/4/2022        | Rana Salada FC Pad A CTB | RS Pad A LP Flare       | 79            |                                                    |

|          |                          |                         |                                                        |
|----------|--------------------------|-------------------------|--------------------------------------------------------|
| 6/4/2022 | Rana Salada FC Pad E CTB | RS Pad E HP Flare Meter | 359                                                    |
| 6/4/2022 | Rana Salada FC Pad E CTB | RS Pad E LP Flare Meter | 251                                                    |
| 6/4/2022 | Rana Salada FC Pad L CTB | LP Flare Meter          | 106                                                    |
| 6/5/2022 | Culebra Bluff CTB 3      | LP Flare Meter          | 140                                                    |
| 6/5/2022 | Rana Salada FC Pad A CTB | RS Pad A HP Flare       | 280                                                    |
| 6/5/2022 | Rana Salada FC Pad A CTB | RS Pad A LP Flare       | 132                                                    |
| 6/5/2022 | Rana Salada FC Pad E CTB | RS Pad E HP Flare Meter | 317                                                    |
| 6/5/2022 | Rana Salada FC Pad E CTB | RS Pad E LP Flare Meter | 262                                                    |
| 6/5/2022 | Rana Salada FC Pad L CTB | LP Flare Meter          | 139                                                    |
| 6/6/2022 | Astrodog Pad S CTB       | FB Flare Meter 1        | 301 from flowback report - Crestwood compressor outage |
| 6/6/2022 | Culebra Bluff CTB 3      | LP Flare Meter          | 127                                                    |
| 6/6/2022 | Rana Salada FC Pad A CTB | RS Pad A HP Flare       | 1,255                                                  |
| 6/6/2022 | Rana Salada FC Pad A CTB | RS Pad A LP Flare       | 92                                                     |
| 6/6/2022 | Rana Salada FC Pad E CTB | RS Pad E HP Flare Meter | 577                                                    |
| 6/6/2022 | Rana Salada FC Pad E CTB | RS Pad E LP Flare Meter | 281                                                    |
| 6/6/2022 | Rana Salada FC Pad L CTB | LP Flare Meter          | 131                                                    |
| 6/7/2022 | Rana Salada FC Pad A CTB | RS Pad A HP Flare       | 1,129                                                  |
| 6/7/2022 | Rana Salada FC Pad E CTB | RS Pad E HP Flare Meter | 523                                                    |
| 6/7/2022 | Rana Salada FC Pad E CTB | RS Pad E LP Flare Meter | 276                                                    |
| 6/8/2022 | Rana Salada FC Pad E CTB | RS Pad E HP Flare Meter | 209                                                    |
| 6/8/2022 | Rana Salada FC Pad E CTB | RS Pad E LP Flare Meter | 280                                                    |
| 6/8/2022 | Rana Salada FC Pad L CTB | LP Flare Meter          | 73                                                     |

**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**

DEFINITIONS  
  
Action 116986

DEFINITIONS

|                                                                                                          |                                                        |
|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>NOVO OIL & GAS NORTHERN DELAWARE, LLC<br>1001 West Wilshire Blvd<br>Oklahoma City, OK 73116 | OGRID:<br>372920                                       |
|                                                                                                          | Action Number:<br>116986                               |
|                                                                                                          | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

DEFINITIONS

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application: <ul style="list-style-type: none"><li>• this application's operator, hereinafter "this operator";</li><li>• venting and/or flaring, hereinafter "vent or flare";</li><li>• any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";</li><li>• the statements in (and/or attached to) this, hereinafter "the statements in this";</li><li>• and the past tense will be used in lieu of mixed past/present tense questions and statements.</li></ul> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**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**

QUESTIONS

Action 116986

**QUESTIONS**

|                                                                                                          |                                                        |
|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>NOVO OIL & GAS NORTHERN DELAWARE, LLC<br>1001 West Wilshire Blvd<br>Oklahoma City, OK 73116 | OGRID:<br>372920                                       |
|                                                                                                          | Action Number:<br>116986                               |
|                                                                                                          | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

**QUESTIONS****Prerequisites**

Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.

|                   |                                        |
|-------------------|----------------------------------------|
| Incident Well     | Not answered.                          |
| Incident Facility | [fAPP2201150858] Rana Salada Pad E CTB |

**Determination of Reporting Requirements**

Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.

|                                                                                                            |                                                   |
|------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| Was this vent or flare caused by an emergency or malfunction                                               | Yes                                               |
| Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event | Yes                                               |
| Is this considered a submission for a vent or flare event                                                  | Yes, major venting and/or flaring of natural gas. |

An operator shall file a form C-141 instead of a form C-129 for a release that, includes liquid during venting and/or flaring that is or may be a major or minor release under 19.15.29.7 NMAC.

|                                                                                                                                                                                                                                                                                            |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| Was there <b>at least 50 MCF</b> of natural gas vented and/or flared during this event                                                                                                                                                                                                     | Yes |
| Did this vent or flare result in the release of <b>ANY</b> liquids (not fully and/or completely flared) that reached (or has a chance of reaching) the ground, a surface, a watercourse, or otherwise, with reasonable probability, endanger public health, the environment or fresh water | No  |
| Was the vent or flare within an incorporated municipal boundary or withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence                                                                                                             | No  |

**Equipment Involved**

|                                                           |               |
|-----------------------------------------------------------|---------------|
| Primary Equipment Involved                                | Not answered. |
| Additional details for Equipment Involved. Please specify | Not answered. |

**Representative Compositional Analysis of Vented or Flared Natural Gas**

Please provide the mole percent for the percentage questions in this group.

|                                                              |    |
|--------------------------------------------------------------|----|
| Methane (CH4) percentage                                     | 78 |
| Nitrogen (N2) percentage, if greater than one percent        | 0  |
| Hydrogen Sulfide (H2S) PPM, rounded up                       | 0  |
| Carbon Dioxide (CO2) percentage, if greater than one percent | 0  |
| Oxygen (O2) percentage, if greater than one percent          | 0  |

If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.

|                                                     |               |
|-----------------------------------------------------|---------------|
| Methane (CH4) percentage quality requirement        | Not answered. |
| Nitrogen (N2) percentage quality requirement        | Not answered. |
| Hydrogen Sulfide (H2S) PPM quality requirement      | Not answered. |
| Carbon Dioxide (CO2) percentage quality requirement | Not answered. |
| Oxygen (O2) percentage quality requirement          | Not answered. |

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**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

QUESTIONS, Page 2

Action 116986

QUESTIONS (continued)

|                                                                                                          |                                                        |
|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>NOVO OIL & GAS NORTHERN DELAWARE, LLC<br>1001 West Wilshire Blvd<br>Oklahoma City, OK 73116 | OGRID:<br>372920                                       |
|                                                                                                          | Action Number:<br>116986                               |
|                                                                                                          | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

QUESTIONS

| Date(s) and Time(s)                            |            |
|------------------------------------------------|------------|
| Date vent or flare was discovered or commenced | 06/07/2022 |
| Time vent or flare was discovered or commenced | 08:00 AM   |
| Time vent or flare was terminated              | 08:00 AM   |
| Cumulative hours during this event             | 24         |

| Measured or Estimated Volume of Vented or Flared Natural Gas              |                                                                                                              |
|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Natural Gas Vented (Mcf) Details                                          | Not answered.                                                                                                |
| Natural Gas Flared (Mcf) Details                                          | Cause: Other   Other (Specify)   Natural Gas Flared   Released: 523 Mcf   Recovered: 0 Mcf   Lost: 523 Mcf ] |
| Other Released Details                                                    | Not answered.                                                                                                |
| Additional details for Measured or Estimated Volume(s). Please specify    | Not answered.                                                                                                |
| Is this a gas only submission (i.e. only significant Mcf values reported) | Yes, according to supplied volumes this appears to be a "gas only" report.                                   |

| Venting or Flaring Resulting from Downstream Activity             |               |
|-------------------------------------------------------------------|---------------|
| Was this vent or flare a result of downstream activity            | No            |
| Was notification of downstream activity received by this operator | Not answered. |
| Downstream OGRID that should have notified this operator          | Not answered. |
| Date notified of downstream activity requiring this vent or flare | Not answered. |
| Time notified of downstream activity requiring this vent or flare | Not answered. |

| Steps and Actions to Prevent Waste                                                                                               |                 |
|----------------------------------------------------------------------------------------------------------------------------------|-----------------|
| For this event, this operator could not have reasonably anticipated the current event and it was beyond this operator's control. | True            |
| Please explain reason for why this event was beyond this operator's control                                                      | vru offline     |
| Steps taken to limit the duration and magnitude of vent or flare                                                                 | monitored flare |
| Corrective actions taken to eliminate the cause and reoccurrence of vent or flare                                                | repair needed   |

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ACKNOWLEDGMENTS  
  
Action 116986

ACKNOWLEDGMENTS

|                                                                                                          |                                                        |
|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>NOVO OIL & GAS NORTHERN DELAWARE, LLC<br>1001 West Wilshire Blvd<br>Oklahoma City, OK 73116 | OGRID:<br>372920                                       |
|                                                                                                          | Action Number:<br>116986                               |
|                                                                                                          | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |
|                                                                                                          |                                                        |

ACKNOWLEDGMENTS

|                                     |                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | I acknowledge that I am authorized to submit a <i>Venting and/or Flaring</i> (C-129) report on behalf of this operator and understand that this report can be a <b>complete</b> C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.                                                                                      |
| <input checked="" type="checkbox"/> | I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to this operator) to track any C-129 forms, pursuant to 19.15.27.7 and 19.15.28.8 NMAC and understand that this submission meets the notification requirements of Paragraph (1) of Subsection G and F respectively. |
| <input checked="" type="checkbox"/> | I hereby certify the statements in this report are true and correct to the best of my knowledge and acknowledge that any false statement may be subject to civil and criminal penalties under the Oil and Gas Act.                                                                                                        |
| <input checked="" type="checkbox"/> | I acknowledge that the acceptance of any C-129 forms by the OCD does not relieve this operator of liability should their operations have failed to adequately investigate, report, and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment.                       |
| <input checked="" type="checkbox"/> | I acknowledge that OCD acceptance of any C-129 forms does not relieve this operator of responsibility for compliance with any other applicable federal, state, or local laws and/or regulations.                                                                                                                          |

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CONDITIONS  
  
Action 116986

CONDITIONS

|                                                                                                          |                                                        |
|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>NOVO OIL & GAS NORTHERN DELAWARE, LLC<br>1001 West Wilshire Blvd<br>Oklahoma City, OK 73116 | OGRID:<br>372920                                       |
|                                                                                                          | Action Number:<br>116986                               |
|                                                                                                          | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

CONDITIONS

| Created By | Condition                                                                                                                                                                          | Condition Date |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| bwheaton   | If the information provided in this report requires an amendment, submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event. | 6/14/2022      |