AGAVE
—ENERGY COMPANY—

**Agave Energy Company**

**Campbell Road 8" Poly Release**

**Sec 01, T22S – R 31E**

**Eddy County, New Mexico**

**July 19, 2016**

## Location

The location of the pipeline release is approximately 280 feet off of Eddy County Road 29, Campbell Road, in the NE/SE Sec 01, T22S, R31E.

## Introduction

On July 17, 2016 a rupture and subsequent release along an 8" poly line was reported to Agave Energy Company. Agave personnel immediately responded to shut-in the line. The line is a low-pressure gas gathering line. The cause of the line rupture is unknown at this time.

Along with the release of gas, was a minor amount of pipeline liquids (approximately 10-15 bbls). The release affected an area approximately 75' by 40'.

## Site Ranking

Based on the *Guidelines for Remediation of Leaks, Spills and Releases* (NMOCD, August 13, 1993), hereafter referred to as "the Guidelines", the site ranking criteria are as follows.

***Depth to Ground Water:*** According to records from the State Engineer average depth to groundwater in this Township is reported as 355 feet. Exhibiting a depth to groundwater of greater than 100 feet, results in a ranking score of 0.

***Wellhead Protection Area:*** The nearest water well is C-02744, a monitoring well owned by the US Department of Energy, is located 9,300 feet to the southwest of the site. According to the *Guidelines,* not being within 1000 feet of a water source results in a site ranking of 0.

***Distance to Surface Water Body:*** The nearest surface water body is the Salt Lakes east of Carlsbad, located 12 miles to the west, or the Pecos River, located 21 miles to the west, resulting in a site ranking of 0.

**Total Site Ranking:**

| | |
|---|---|
| Depth to Ground water | 0 |
| Wellhead Protection Area | 0 |
| Distance to Surface Water Body | 0 |
| Total: | 0 |

## Recommended Remediation Action Level

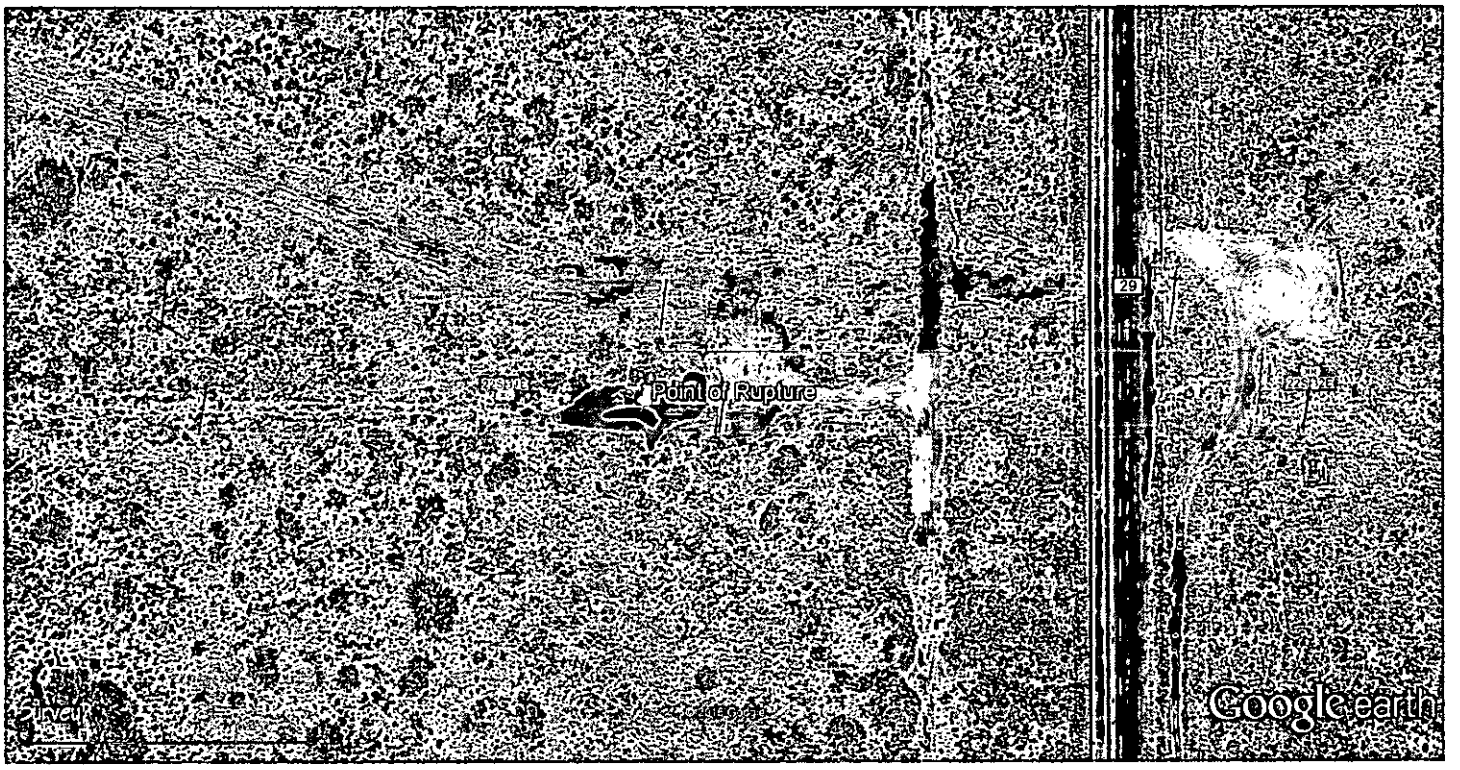
According to the *Guidelines*, a location with a site ranking of 0 is subject to the following Recommended Remediation Action Level (RRAL).

| | |
|---|---|
| Benzene | 10 ppm |
| BTEX | 50 ppm |
| *TPH* | *5000* ppm |

There are no standards set for chloride contamination set within the *Guidelines*. If chlorides are determined to be present, Agave will work with the District II Oil Conservation office to determine an appropriate action level.

## Proposed Remediation Work

Agave will excavate that soil heavily affected by the release of pipeline liquids. This material will be disposed of at an NMOCD approved landfill. Areas only experiencing surface contamination will be treated in place by tilling the soil to aerate and encourage volatilization of hydrocarbons. Soil sampling will be conducted to delineate the horizontal and vertical extent of contamination. Closure samples will be collected to ensure adequate removal of contaminants.




Google earth

feet 500

meters 100


Google earth

feet 100

meters 50

# New Mexico Office of the State Engineer
# Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned, C=the file is closed) (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

| POD Number | POD Sub-Code | basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X | Y | Depth Well | Depth Water | Water Column |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C 02413 | | | ED | 1 | 2 | 1 | 20 | 22S | 31E | 612586 | 3583560* | 737 | | |
| C 02414 | | | ED | 3 | 1 | 3 | 16 | 22S | 31E | 613782 | 3584176* | 846 | | |
| C 02415 | | | ED | 3 | 3 | 4 | 16 | 22S | 31E | 614592 | 3583785* | 880 | 448 | 432 |
| C 02416 | | | ED | 3 | 2 | 4 | 28 | 22S | 31E | 615027 | 3580973* | 800 | 401 | 399 |
| C 02417 | | | ED | 4 | 4 | 4 | 29 | 22S | 31E | 613623 | 3580554* | 681 | | |
| C 02418 | | | ED | 3 | 2 | 3 | 29 | 22S | 31E | 612613 | 3580948* | 617 | 413 | 204 |
| C 02419 | | | ED | 3 | 2 | 3 | 29 | 22S | 31E | 612613 | 3580948* | 225 | | |
| C 02420 | | | ED | 4 | 2 | 3 | 28 | 22S | 31E | 614423 | 3580964* | 779 | 450 | 329 |
| C 02421 | | | ED | 4 | 2 | 3 | 28 | 22S | 31E | 614423 | 3580964* | 786 | 450 | 336 |
| C 02422 | | | ED | 4 | 2 | 3 | 28 | 22S | 31E | 614423 | 3580964* | 785 | 450 | 335 |
| C 02423 | | | ED | 4 | 2 | 3 | 28 | 22S | 31E | 614423 | 3580964* | 782 | 450 | 332 |
| C 02424 | | | ED | 4 | 2 | 3 | 28 | 22S | 31E | 614423 | 3580964* | 786 | 450 | 336 |
| C 02425 | | | ED | 4 | 2 | 3 | 28 | 22S | 31E | 614423 | 3580964* | 788 | 450 | 338 |
| C 02426 | | | ED | 4 | 2 | 3 | 28 | 22S | 31E | 614423 | 3580964* | 785 | 450 | 335 |
| C 02505 | | | ED | 4 | 4 | 4 | 20 | 22S | 31E | 613604 | 3582162* | 69 | 48 | 21 |
| C 02506 | | | ED | 4 | 4 | 4 | 20 | 22S | 31E | 613604 | 3582162* | 69 | 48 | 21 |
| C 02507 | | | ED | 4 | 4 | 4 | 20 | 22S | 31E | 613604 | 3582162* | 73 | 45 | 28 |
| C 02639 | | | ED | 4 | 4 | 4 | 17 | 22S | 31E | 613585 | 3583770* | 3928 | | |
| C 02662 | | | ED | 1 | 2 | 2 | 29 | 22S | 31E | 613409 | 3581960* | 856 | | |
| C 02682 | | | ED | 4 | 4 | 4 | 08 | 22S | 31E | 613566 | 3585379* | 4400 | | |
| C 02683 | | | ED | 3 | 1 | 1 | 20 | 22S | 31E | 612184 | 3583356* | 840 | | |
| C 02684 | | | ED | 4 | 2 | 2 | 20 | 22S | 31E | 613590 | 3583368* | 1060 | | |
| C 02685 | | | ED | 2 | 2 | 2 | 28 | 22S | 31E | 615218 | 3581978* | 900 | | |
| C 02687 | | | ED | 4 | 2 | 4 | 33 | 22S | 31E | 615246 | 3579364* | 779 | | |
| C 02737 | C | | ED | 2 | 4 | 2 | 29 | 22S | 31E | 548916 | 3632940 | 710 | | |
| C 02744 | | | ED | 3 | 2 | 1 | 11 | 22S | 31E | 617374 | 3586631* | 4911 | | |

***UTM location was derived from PLSS - see Help**

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(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

| POD Number | POD Sub-basin | Code | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X | Y | Depth Well | Depth Water | Water Column |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C 02745 | | | ED | 4 | 2 | 2 | 15 | 22S | 31E | 616789 | 3585013* | 925 | | |
| C 02746 | | | ED | 4 | 2 | 2 | 15 | 22S | 31E | 616789 | 3585013* | 930 | | |
| C 02747 | | | ED | 4 | 2 | 2 | 15 | 22S | 31E | 616789 | 3585013* | 1076 | | |
| C 02748 | | | ED | 1 | 2 | 3 | 17 | 22S | 31E | 612576 | 3584364* | 3856 | | |
| C 02749 | | | ED | 1 | 1 | 1 | 18 | 22S | 31E | 610556 | 3585146* | 640 | | |
| C 02750 | | | ED | 1 | 1 | 1 | 18 | 22S | 31E | 610556 | 3585146* | 741 | | |
| C 02751 | | | ED | 1 | 1 | 1 | 18 | 22S | 31E | 610556 | 3585146* | 637 | | |
| C 02752 | | | ED | 4 | 4 | 4 | 20 | 22S | 31E | 613604 | 3582162* | 2875 | | |
| C 02753 | | | ED | 1 | 4 | 4 | 20 | 22S | 31E | 613404 | 3582362* | 851 | | |
| C 02754 | | | ED | 4 | 2 | 4 | 20 | 22S | 31E | 613599 | 3582564* | 1045 | | |
| C 02755 | | | ED | 4 | 4 | 2 | 20 | 22S | 31E | 613595 | 3582966* | 1040 | | |
| C 02756 | | | ED | 3 | 4 | 4 | 26 | 22S | 31E | 618250 | 3580606* | 1998 | | |
| C 02757 | | | ED | 4 | 4 | 4 | 28 | 22S | 31E | 615232 | 3580571* | 4057 | | |
| C 02758 | | | ED | 3 | 2 | 1 | 29 | 22S | 31E | 612604 | 3581752* | 661 | | |
| C 02759 | | | ED | 1 | 2 | 1 | 29 | 22S | 31E | 612604 | 3581952* | 795 | | |
| C 02760 | | | ED | 2 | 2 | 4 | 29 | 22S | 31E | 613618 | 3581156* | 725 | | |
| C 02761 | | | ED | 2 | 2 | 4 | 29 | 22S | 31E | 613618 | 3581156* | 730 | | |
| C 02762 | | | ED | 3 | 2 | 1 | 29 | 22S | 31E | 612604 | 3581752* | 672 | | |
| C 02763 | | | ED | 3 | 2 | 1 | 29 | 22S | 31E | 612604 | 3581752* | 660 | | |
| C 02764 | | | ED | 2 | 2 | 4 | 29 | 22S | 31E | 613618 | 3581156* | 902 | | |
| C 02765 | | | ED | 1 | 2 | 2 | 29 | 22S | 31E | 613409 | 3581960* | 856 | | |
| C 02766 | | | ED | 3 | 3 | 3 | 29 | 22S | 31E | 612216 | 3580541* | 589 | | |
| C 02767 | | | ED | 4 | 1 | 4 | 33 | 22S | 31E | 614844 | 3579360* | 785 | | |
| C 02768 | | | ED | 4 | 1 | 4 | 33 | 22S | 31E | 614844 | 3579360* | 787 | | |
| C 02769 | | C | ED | 2 | 2 | 4 | 33 | 22S | 31E | 615246 | 3579564* | 765 | | |
| C 02769 POD2 | | C | ED | 4 | 2 | 4 | 33 | 22S | 31E | 615261 | 3579312 | 753 | 428 | 325 |
| C 02801 | | | ED | 4 | 4 | 4 | 20 | 22S | 31E | 613604 | 3582162* | 65 | | |
| C 02802 | | | ED | 4 | 4 | 4 | 20 | 22S | 31E | 613604 | 3582162* | 65 | | |
| C 02803 | | | ED | 4 | 4 | 4 | 20 | 22S | 31E | 613604 | 3582162* | 65 | | |

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(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

| POD Number | POD Sub-basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X | Y | Depth Well | Depth Water | Water Column |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C 02811 | | ED | 2 | 4 | 2 | 29 | 22S | 31E | 613613 | 3581558* | 80 | | |
| C 02980 | | ED | 2 | 4 | 4 | 20 | 22S | 31E | 613604 | 3582362* | 62 | | |
| C 02981 | | ED | 4 | 4 | 4 | 20 | 22S | 31E | 613604 | 3582162* | 62 | | |
| C 02982 | | ED | 2 | 4 | 4 | 20 | 22S | 31E | 613604 | 3582362* | 65 | | |
| C 02983 | | ED | 4 | 4 | 4 | 20 | 22S | 31E | 613604 | 3582162* | 60 | | |
| C 02984 | | ED | 2 | 4 | 4 | 20 | 22S | 31E | 613604 | 3582362* | 65 | | |
| C 02985 | | ED | 2 | 4 | 4 | 20 | 22S | 31E | 613604 | 3582362* | 62 | | |
| C 02986 | | ED | 1 | 4 | 4 | 20 | 22S | 31E | 613404 | 3582362* | 71 | | |
| C 02987 | | ED | 4 | 4 | 4 | 20 | 22S | 31E | 613604 | 3582162* | 68 | | |
| C 02988 | | ED | 2 | 4 | 4 | 20 | 22S | 31E | 613604 | 3582362* | 75 | | |
| C 02989 | | ED | 3 | 4 | 4 | 20 | 22S | 31E | 613404 | 3582162* | 54 | | |
| C 02990 | | ED | 1 | 4 | 4 | 20 | 22S | 31E | 613404 | 3582362* | 71 | | |
| C 02991 | | ED | 4 | 4 | 4 | 20 | 22S | 31E | 613604 | 3582162* | 64 | | |
| C 03002 | | ED | 4 | 2 | 4 | 06 | 22S | 31E | 611933 | 3587375* | 668 | | |
| C 03112 EXPLORE | | ED | 3 | 1 | 1 | 09 | 22S | 31E | 613753 | 3586590* | 3567 | | |
| C 03138 | | ED | 3 | 3 | 3 | 26 | 22S | 31E | 617043 | 3580591* | 750 | | |
| C 03150 | | ED | 2 | 4 | 4 | 14 | 22S | 31E | 618412 | 3584025* | 981 | | |
| C 03152 | | ED | 3 | 4 | 4 | 26 | 22S | 31E | 618250 | 3580606* | 938 | | |
| C 03207 | | ED | 4 | 2 | 4 | 29 | 22S | 31E | 613618 | 3580956* | 150 | | |
| C 03221 EXPLORE | | ED | 1 | 2 | 1 | 30 | 22S | 31E | 610995 | 3581935* | 651 | | |

Average Depth to Water: **355 feet**

Minimum Depth: **45 feet**

Maximum Depth: **450 feet**

**Record Count:** 75

**PLSS Search:**

**Section(s):** 1-36 **Township:** 22S **Range:** 31E

***UTM location was derived from PLSS - see Help**

# New Mexico Office of the State Engineer
# Water Right Summary

**WR File Number:** C 02744 **Subbasin:** - **Cross Reference:** -

**Primary Purpose:** MON MONITORING WELL

**Primary Status:** DCL DECLARATION

**Total Acres:** 0 **Subfile:** -

**Total Diversion:** 0 **Cause/Case:** -

**Owner:** U.S. DEPT. OF ENERGY - WIPP

**Contact:** D.C. LYNN

**Documents on File**

| Trn # | Doc | File/Act | Status 1 | Status 2 | Transaction Desc. | From/ To | Acres | Diversion | Consumptive |
|---|---|---|---|---|---|---|---|---|---|
| 195594 | DCL | 2000-11-06 | DCL | PRC | C 02744 | T | 0 | 0 | |

**Current Points of Diversion**

(NAD83 UTM in meters)

| POD Number | Source | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X | Y | Other Location Desc |
|---|---|---|---|---|---|---|---|---|---|---|
| C 02744 | | 3 | 2 | 1 | 11 | 22S | 31E | 617374 | 3586631* | |

*An (*) after northing value indicates UTM location was derived from PLSS - see Help

**Source**

| Acres | Diversion | CU Use | Priority | Source Description |
|---|---|---|---|---|
| 0 | 0 | MON | | GW |

# New Mexico Office of the State Engineer
# Water Right Summary

**WR File Number:** C 02415 **Subbasin:** - **Cross Reference:** -

**Primary Purpose:** MON MONITORING WELL

**Primary Status:** PMT PERMIT

**Total Acres:** **Subfile:** -

**Total Diversion:** 0 **Cause/Case:** -

**Owner:** U.S. DEPT OF ENERGY

**Contact:** DOUG LYNN

## Documents on File

| Trn # | Doc | File/Act | Status 1 | Status 2 | Transaction Desc. | From/ To | Acres | Diversion | Consumptive |
|---|---|---|---|---|---|---|---|---|---|
| 279252 | EXPL | 2003-08-19 | PMT | APR | C 02415 MONITORING WELL | T | 0 | 0 | |
| 202143 | APPRO | 1996-10-23 | WDP | WDR | C 02415 | T | 0 | 0 | |
| 173182 | ADM | 1996-10-23 | WDP | WDR | C 02415 | T | 0 | 0 | |
| 202135 | EXPL | 1995-01-25 | PMT | LOG | C 02415 | T | 0 | 0 | |

## Current Points of Diversion

(NAD83 UTM in meters)

| POD Number | Source | Q Q Q 64 16 4 | Sec | Tws | Rng | X | Y | Other Location Desc |
|---|---|---|---|---|---|---|---|---|
| C 02415 | Artesian | 3 3 4 | 16 | 22S | 31E | 614592 | 3583785* | |

*An (*) after northing value indicates UTM location was derived from PLSS - see Help

## Place of Use

| Q Q Q Q 256 64 16 4 | Sec | Tws | Rng | Acres | Diversion | CU | Use | Priority | Status | Other Location Desc |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 0 | 0 | | MON | | PMT | NO PLACE OF USE GIVEN |

## Source

| Acres | Diversion | CU | Use | Priority | Source Description |
|---|---|---|---|---|---|
| 0 | 0 | | MON | | GW |