

**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

Form C-101  
Revised July 18, 2013

Energy Minerals and Natural Resources

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

HOBBS OCD

JUL 30 2015

RECEIVED

☐ AMENDED REPORT

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

|                                                                                                                     |  |                                          |
|---------------------------------------------------------------------------------------------------------------------|--|------------------------------------------|
| <sup>1</sup> Operator Name and Address<br>ConocoPhillips Company<br>600 N. Dairy Ashford Rd<br>Houston, Texas 77079 |  | <sup>2</sup> OGRID Number<br>217817      |
| <sup>3</sup> Property Code<br>31172                                                                                 |  | <sup>4</sup> API Number<br>30-025- 42715 |
| <sup>5</sup> Property Name<br>East Vacuum Grayburg San Andres Unit 2738                                             |  | <sup>6</sup> Well No.<br>523W            |

<sup>7</sup> Surface Location

| UL - Lot | Section | Township | Range | Lot Idn | Feet from | N/S Line | Feet From | E/W Line | County |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| F        | 27      | 17S      | 35E   |         | 2003      | North    | 1529      | West     | 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 |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| F        | 27      | 17S      | 35E   |         | 2254      | North    | 1540      | West     | Lea    |

<sup>9</sup> Pool Information

| Pool Name                   | Pool Code |
|-----------------------------|-----------|
| Vacuum; Grayburg San Andres | 62180     |

Additional Well Information

|                                     |                                                    |                                                |                                   |                                                  |
|-------------------------------------|----------------------------------------------------|------------------------------------------------|-----------------------------------|--------------------------------------------------|
| <sup>11</sup> Work Type<br>New Well | <sup>12</sup> Well Type<br>I                       | <sup>13</sup> Cable/Rotary<br>Rotary           | <sup>14</sup> Lease Type<br>State | <sup>15</sup> Ground Level Elevation<br>3934' GL |
| <sup>16</sup> Multiple<br>N         | <sup>17</sup> Proposed Depth<br>5109' MD/5095' TVD | <sup>18</sup> Formation<br>Grayburg/San Andres | <sup>19</sup> Contractor          | <sup>20</sup> Spud Date<br>12/01/2015            |
| Depth to Ground water               |                                                    | Distance from nearest fresh water well         |                                   | Distance to nearest surface water                |

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

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

| Type       | Hole Size | Casing Size | Casing Weight/ft | Setting Depth | Sacks of Cement | Estimated TOC |
|------------|-----------|-------------|------------------|---------------|-----------------|---------------|
| Surface    | 12.25"    | 8.625"      | 24               | 1627'         | 875             | 0'            |
| Production | 7.875"    | 5.50"       | 15.5             | 5085'         | 735             | 0'            |
|            |           |             |                  |               |                 |               |

Casing/Cement Program: Additional Comments

Production csg cement volumes may be adjusted based on log results. External packer (TDAP) is an option between surf and production casing, set at ~250' shallower than previous casing shoe. Cement to be pumped in one stage.

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

| Type               | Working Pressure | Test Pressure                     | Manufacturer    |
|--------------------|------------------|-----------------------------------|-----------------|
| Annular/Double Ram | 3000/3000        | Annular 70% or 2100 /3000 Dbl Ram | Shaffer/Shaffer |

|                                                                                                                                                                                                                                                                                                                                     |                     |                                                   |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------|--|
| <sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.<br>I further certify that I have complied with 19.15.14.9 (A) NMAC <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/> , if applicable.<br>Signature: <i>Susan B. Maunder</i> |                     | OIL CONSERVATION DIVISION                         |  |
| Printed name: Susan B. Maunder                                                                                                                                                                                                                                                                                                      |                     | Approved By: <i>[Signature]</i>                   |  |
| Title: Sr. Regulatory Specialist                                                                                                                                                                                                                                                                                                    |                     | Title: Petroleum Engineer                         |  |
| E-mail Address: Susan.B.Maunder@conocophillips.com                                                                                                                                                                                                                                                                                  |                     | Approved Date: 07/31/15 Expiration Date: 07/31/17 |  |
| Date: 7/27/15                                                                                                                                                                                                                                                                                                                       | Phone: 281-206-5281 | See Attached                                      |  |
|                                                                                                                                                                                                                                                                                                                                     |                     | Conditions of Approval Attached                   |  |

AUG 04 2015

Conditions of Approval

# CONDITIONS OF APPROVAL

| API #        | Operator               | Well name & Number           |
|--------------|------------------------|------------------------------|
| 30-025-42715 | CONOCOPHILLIPS COMPANY | EAST VACUUM (GSA) UNIT # 523 |

Applicable conditions of approval marked with XXXXXX

## Administrative Orders Required

|         |                                                                                            |
|---------|--------------------------------------------------------------------------------------------|
| XXXXXXX | Will require administrative order for injection or disposal prior to injection or disposal |
|         |                                                                                            |

## Other wells

|  |  |
|--|--|
|  |  |
|--|--|

## Drilling

|         |                                                                                                                                                                                                                                                                      |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| XXXXXXX | 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 |
|         |                                                                                                                                                                                                                                                                      |

## Casing

|         |                                                                                                              |
|---------|--------------------------------------------------------------------------------------------------------------|
| XXXXXXX | SURFACE CASING - Cement must circulate to surface --                                                         |
| XXXXXXX | PRODUCTION CASING - Cement must circulate to surface --                                                      |
| XXXXXXX | If cement does not circulate to surface, must run temperature survey or other log to determine top of cement |
|         | South Area                                                                                                   |
| XXXXXXX | Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water         |

## Completion & Production

|         |                                                                              |
|---------|------------------------------------------------------------------------------|
| XXXXXXX | Must notify Hobbs OCD office prior to conducting MIT (575) 393-6161 ext. 114 |
| XXXXXXX | Must conduct & pass MIT prior to any injection                               |
|         |                                                                              |

## Lost Circulation

|         |                                                                                 |
|---------|---------------------------------------------------------------------------------|
| XXXXXXX | Must notify OCD Hobbs Office if lost circulation is encountered at 575-370-3186 |
|         |                                                                                 |

## Stage Tool

|         |                                                                                                                             |
|---------|-----------------------------------------------------------------------------------------------------------------------------|
| XXXXXXX | Must notify OCD Hobbs Office prior to running Stage Tool at 575-370-3186                                                    |
| XXXXXXX | If using Stage Tool on Surface casing, Stage Tool must be greater than 350' and a minimum 200 feet above surface shoe.      |
| XXXXXXX | When using a Stage Tool on Intermediate or Production Casing Stage must be a minimum of 50 feet below previous casing shoe. |
|         |                                                                                                                             |

|           |                        |                              |                                    |
|-----------|------------------------|------------------------------|------------------------------------|
| Database: | Dbase Nov0914          | Local Co-ordinate Reference: | Well Well 2738-W523                |
| Company:  | ConocoPhillips         | TVD Reference:               | RKB=3944+14 @ 3958.00usft (PD 194) |
| Project:  | Lea County, New Mexico | MD Reference:                | RKB=3944+14 @ 3958.00usft (PD 194) |
| Site:     | East Vacuum GBSA Unit  | North Reference:             | Grid                               |
| Well:     | Well 2738-W523         | Survey Calculation Method:   | Minimum Curvature                  |
| Wellbore: | Original Hole          |                              |                                    |
| Design:   | rev1                   |                              |                                    |

|             |                                      |               |                |
|-------------|--------------------------------------|---------------|----------------|
| Project     | Lea County, New Mexico               |               |                |
| Map System: | US State Plane 1927 (Exact solution) | System Datum: | Mean Sea Level |
| Geo Datum:  | NAD 1927 (NADCON CONUS)              |               |                |
| Map Zone:   | New Mexico East 3001                 |               |                |

|                       |                       |                   |                      |
|-----------------------|-----------------------|-------------------|----------------------|
| Site                  | East Vacuum GBSA Unit |                   |                      |
| Site Position:        |                       | Northing:         | 652,841.86 usft      |
| From:                 | Map                   | Easting:          | 764,633.16 usft      |
| Position Uncertainty: | 0.00 usft             | Slot Radius:      | 13-3/16 "            |
|                       |                       | Latitude:         | 32° 47' 30.449677 N  |
|                       |                       | Longitude:        | 103° 28' 19.901020 W |
|                       |                       | Grid Convergence: | 0.47 °               |

|                      |                |                     |                      |
|----------------------|----------------|---------------------|----------------------|
| Well                 | Well 2738-W523 |                     |                      |
| Well Position        | +N/-S          | 5,777.64 usft       | Northing:            |
|                      | +E/-W          | 7,207.62 usft       | Easting:             |
| Position Uncertainty | 0.00 usft      | Wellhead Elevation: | Ground Level:        |
|                      |                |                     | 3,944.00 usft        |
|                      |                | Latitude:           | 32° 48' 27.026841 N  |
|                      |                | Longitude:          | 103° 26' 54.908329 W |

|           |               |             |                |
|-----------|---------------|-------------|----------------|
| Wellbore  | Original Hole |             |                |
| Magnetics | Model Name    | Sample Date | Declination    |
|           |               |             | (°)            |
|           | User Defined  | 4/22/2014   | 7.34           |
|           |               |             | Dip Angle      |
|           |               |             | (°)            |
|           |               |             | 60.66          |
|           |               |             | Field Strength |
|           |               |             | (nT)           |
|           |               |             | 48,729         |

|                   |                  |        |               |
|-------------------|------------------|--------|---------------|
| Design            | rev1             |        |               |
| Audit Notes:      |                  |        |               |
| Version:          | Phase:           | PLAN   | Tie On Depth: |
|                   |                  |        | 0.00          |
| Vertical Section: | Depth From (TVD) | +N/-S  | +E/-W         |
|                   | (usft)           | (usft) | (usft)        |
|                   | 0.00             | 0.00   | 0.00          |
|                   |                  |        | Direction     |
|                   |                  |        | (°)           |
|                   |                  |        | 176.86        |

|               |             |         |          |         |        |             |             |             |        |                   |
|---------------|-------------|---------|----------|---------|--------|-------------|-------------|-------------|--------|-------------------|
| Plan Sections |             |         |          |         |        |             |             |             |        |                   |
| Measured      | Inclination | Azimuth | Vertical | +N/-S   | +E/-W  | Dogleg      | Build       | Turn        | TFO    | Target            |
| Depth         | (°)         | (°)     | Depth    | (usft)  | (usft) | Rate        | Rate        | Rate        | (°)    |                   |
| (usft)        |             |         | (usft)   |         |        | (°/100usft) | (°/100usft) | (°/100usft) |        |                   |
| 0.00          | 0.00        | 0.00    | 0.00     | 0.00    | 0.00   | 0.00        | 0.00        | 0.00        | 0.00   |                   |
| 2,600.00      | 0.00        | 0.00    | 2,600.00 | 0.00    | 0.00   | 0.00        | 0.00        | 0.00        | 0.00   |                   |
| 3,263.85      | 6.64        | 176.86  | 3,262.37 | -38.36  | 2.10   | 1.00        | 1.00        | 26.64       | 176.86 |                   |
| 5,108.85      | 6.64        | 176.86  | 5,095.00 | -251.33 | 13.78  | 0.00        | 0.00        | 0.00        | 0.00   | EV GBSU 2738-W523 |

|           |                        |                              |                                    |
|-----------|------------------------|------------------------------|------------------------------------|
| Database: | Dbase Nov0914          | Local Co-ordinate Reference: | Well Well 2738-W523                |
| Company:  | ConocoPhillips         | TVD Reference:               | RKB=3944+14 @ 3958.00usft (PD 194) |
| Project:  | Lea County, New Mexico | MD Reference:                | RKB=3944+14 @ 3958.00usft (PD 194) |
| Site:     | East Vacuum GBSA Unit  | North Reference:             | Grid                               |
| Well:     | Well 2738-W523         | Survey Calculation Method:   | Minimum Curvature                  |
| Wellbore: | Original Hole          |                              |                                    |
| Design:   | rev1                   |                              |                                    |

## Planned Survey

| Measured<br>Depth<br>(usft)        | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Vertical<br>Section<br>(usft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) |
|------------------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| 0.00                               | 0.00               | 0.00           | 0.00                        | 0.00            | 0.00            | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 100.00                             | 0.00               | 0.00           | 100.00                      | 0.00            | 0.00            | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 200.00                             | 0.00               | 0.00           | 200.00                      | 0.00            | 0.00            | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 300.00                             | 0.00               | 0.00           | 300.00                      | 0.00            | 0.00            | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 400.00                             | 0.00               | 0.00           | 400.00                      | 0.00            | 0.00            | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 500.00                             | 0.00               | 0.00           | 500.00                      | 0.00            | 0.00            | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 600.00                             | 0.00               | 0.00           | 600.00                      | 0.00            | 0.00            | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 700.00                             | 0.00               | 0.00           | 700.00                      | 0.00            | 0.00            | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 800.00                             | 0.00               | 0.00           | 800.00                      | 0.00            | 0.00            | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 900.00                             | 0.00               | 0.00           | 900.00                      | 0.00            | 0.00            | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 1,000.00                           | 0.00               | 0.00           | 1,000.00                    | 0.00            | 0.00            | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 1,100.00                           | 0.00               | 0.00           | 1,100.00                    | 0.00            | 0.00            | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 1,200.00                           | 0.00               | 0.00           | 1,200.00                    | 0.00            | 0.00            | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 1,300.00                           | 0.00               | 0.00           | 1,300.00                    | 0.00            | 0.00            | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 1,400.00                           | 0.00               | 0.00           | 1,400.00                    | 0.00            | 0.00            | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 1,500.00                           | 0.00               | 0.00           | 1,500.00                    | 0.00            | 0.00            | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 1,600.00                           | 0.00               | 0.00           | 1,600.00                    | 0.00            | 0.00            | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 1,602.00                           | 0.00               | 0.00           | 1,602.00                    | 0.00            | 0.00            | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| <b>Rustler</b>                     |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 1,700.00                           | 0.00               | 0.00           | 1,700.00                    | 0.00            | 0.00            | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| <b>Salado</b>                      |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 1,800.00                           | 0.00               | 0.00           | 1,800.00                    | 0.00            | 0.00            | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 1,900.00                           | 0.00               | 0.00           | 1,900.00                    | 0.00            | 0.00            | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 2,000.00                           | 0.00               | 0.00           | 2,000.00                    | 0.00            | 0.00            | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 2,100.00                           | 0.00               | 0.00           | 2,100.00                    | 0.00            | 0.00            | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 2,200.00                           | 0.00               | 0.00           | 2,200.00                    | 0.00            | 0.00            | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 2,300.00                           | 0.00               | 0.00           | 2,300.00                    | 0.00            | 0.00            | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 2,400.00                           | 0.00               | 0.00           | 2,400.00                    | 0.00            | 0.00            | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 2,500.00                           | 0.00               | 0.00           | 2,500.00                    | 0.00            | 0.00            | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 2,600.00                           | 0.00               | 0.00           | 2,600.00                    | 0.00            | 0.00            | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| <b>KOP Begin 1°/100' build</b>     |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 2,700.00                           | 1.00               | 176.86         | 2,699.99                    | -0.87           | 0.05            | 0.87                          | 1.00                          | 1.00                         | 0.00                        |
| 2,747.02                           | 1.47               | 176.86         | 2,747.00                    | -1.88           | 0.10            | 1.89                          | 1.00                          | 1.00                         | 0.00                        |
| <b>Tansil</b>                      |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 2,800.00                           | 2.00               | 176.86         | 2,799.96                    | -3.49           | 0.19            | 3.49                          | 1.00                          | 1.00                         | 0.00                        |
| 2,870.10                           | 2.70               | 176.86         | 2,870.00                    | -6.36           | 0.35            | 6.37                          | 1.00                          | 1.00                         | 0.00                        |
| <b>Yates</b>                       |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 2,900.00                           | 3.00               | 176.86         | 2,899.86                    | -7.84           | 0.43            | 7.85                          | 1.00                          | 1.00                         | 0.00                        |
| 3,000.00                           | 4.00               | 176.86         | 2,999.68                    | -13.94          | 0.76            | 13.96                         | 1.00                          | 1.00                         | 0.00                        |
| 3,100.00                           | 5.00               | 176.86         | 3,099.37                    | -21.77          | 1.19            | 21.80                         | 1.00                          | 1.00                         | 0.00                        |
| 3,140.80                           | 5.41               | 176.86         | 3,140.00                    | -25.47          | 1.40            | 25.50                         | 1.00                          | 1.00                         | 0.00                        |
| <b>Seven Rivers</b>                |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 3,200.00                           | 6.00               | 176.86         | 3,198.90                    | -31.34          | 1.72            | 31.39                         | 1.00                          | 1.00                         | 0.00                        |
| 3,263.85                           | 6.64               | 176.86         | 3,262.37                    | -38.36          | 2.10            | 38.42                         | 1.00                          | 1.00                         | 0.00                        |
| <b>Begin 6.64° tangent section</b> |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 3,300.00                           | 6.64               | 176.86         | 3,298.27                    | -42.53          | 2.33            | 42.59                         | 0.00                          | 0.00                         | 0.00                        |
| 3,400.00                           | 6.64               | 176.86         | 3,397.60                    | -54.07          | 2.96            | 54.15                         | 0.00                          | 0.00                         | 0.00                        |
| 3,500.00                           | 6.64               | 176.86         | 3,496.93                    | -65.62          | 3.60            | 65.72                         | 0.00                          | 0.00                         | 0.00                        |
| 3,600.00                           | 6.64               | 176.86         | 3,596.26                    | -77.16          | 4.23            | 77.28                         | 0.00                          | 0.00                         | 0.00                        |
| 3,694.37                           | 6.64               | 176.86         | 3,690.00                    | -88.05          | 4.83            | 88.19                         | 0.00                          | 0.00                         | 0.00                        |
| <b>Queen</b>                       |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 3,700.00                           | 6.64               | 176.86         | 3,695.59                    | -88.70          | 4.86            | 88.84                         | 0.00                          | 0.00                         | 0.00                        |
| 3,800.00                           | 6.64               | 176.86         | 3,794.92                    | -100.25         | 5.50            | 100.40                        | 0.00                          | 0.00                         | 0.00                        |

|                  |                        |                                     |                                    |
|------------------|------------------------|-------------------------------------|------------------------------------|
| <b>Database:</b> | Dbase Nov0914          | <b>Local Co-ordinate Reference:</b> | Well Well 2738-W523                |
| <b>Company:</b>  | ConocoPhillips         | <b>TVD Reference:</b>               | RKB=3944+14 @ 3958.00usft (PD 194) |
| <b>Project:</b>  | Lea County, New Mexico | <b>MD Reference:</b>                | RKB=3944+14 @ 3958.00usft (PD 194) |
| <b>Site:</b>     | East Vacuum GBSA Unit  | <b>North Reference:</b>             | Grid                               |
| <b>Well:</b>     | Well 2738-W523         | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Wellbore:</b> | Original Hole          |                                     |                                    |
| <b>Design:</b>   | rev1                   |                                     |                                    |

| Planned Survey              |                    |                |                             |                 |                 |                               |                               |                              |                             |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| Measured<br>Depth<br>(usft) | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Vertical<br>Section<br>(usft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) |
| 3,900.00                    | 6.64               | 176.86         | 3,894.25                    | -111.79         | 6.13            | 111.96                        | 0.00                          | 0.00                         | 0.00                        |
| 4,000.00                    | 6.64               | 176.86         | 3,993.58                    | -123.33         | 6.76            | 123.52                        | 0.00                          | 0.00                         | 0.00                        |
| 4,051.77                    | 6.64               | 176.86         | 4,045.00                    | -129.31         | 7.09            | 129.50                        | 0.00                          | 0.00                         | 0.00                        |
| Grayburg                    |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 4,100.00                    | 6.64               | 176.86         | 4,092.91                    | -134.88         | 7.40            | 135.08                        | 0.00                          | 0.00                         | 0.00                        |
| 4,200.00                    | 6.64               | 176.86         | 4,192.24                    | -146.42         | 8.03            | 146.64                        | 0.00                          | 0.00                         | 0.00                        |
| 4,300.00                    | 6.64               | 176.86         | 4,291.57                    | -157.96         | 8.66            | 158.20                        | 0.00                          | 0.00                         | 0.00                        |
| 4,358.83                    | 6.64               | 176.86         | 4,350.00                    | -164.75         | 9.03            | 165.00                        | 0.00                          | 0.00                         | 0.00                        |
| San Andres                  |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 4,400.00                    | 6.64               | 176.86         | 4,390.90                    | -169.51         | 9.29            | 169.76                        | 0.00                          | 0.00                         | 0.00                        |
| 4,500.00                    | 6.64               | 176.86         | 4,490.23                    | -181.05         | 9.93            | 181.32                        | 0.00                          | 0.00                         | 0.00                        |
| 4,600.00                    | 6.64               | 176.86         | 4,589.56                    | -192.59         | 10.56           | 192.88                        | 0.00                          | 0.00                         | 0.00                        |
| 4,700.00                    | 6.64               | 176.86         | 4,688.89                    | -204.14         | 11.19           | 204.44                        | 0.00                          | 0.00                         | 0.00                        |
| 4,800.00                    | 6.64               | 176.86         | 4,788.22                    | -215.68         | 11.83           | 216.00                        | 0.00                          | 0.00                         | 0.00                        |
| 4,900.00                    | 6.64               | 176.86         | 4,887.55                    | -227.22         | 12.46           | 227.56                        | 0.00                          | 0.00                         | 0.00                        |
| 5,000.00                    | 6.64               | 176.86         | 4,986.88                    | -238.76         | 13.09           | 239.12                        | 0.00                          | 0.00                         | 0.00                        |
| 5,100.00                    | 6.64               | 176.86         | 5,086.20                    | -250.31         | 13.72           | 250.68                        | 0.00                          | 0.00                         | 0.00                        |
| 5,108.85                    | 6.64               | 176.86         | 5,095.00                    | -251.33         | 13.78           | 251.71                        | 0.00                          | 0.00                         | 0.00                        |
| PBHL/TD                     |                    |                |                             |                 |                 |                               |                               |                              |                             |

| Design Targets                                                                               |               |              |            |              |              |                 |                |                     |                      |
|----------------------------------------------------------------------------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|---------------------|----------------------|
| Target Name                                                                                  | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude            | Longitude            |
| - hit/miss target                                                                            |               |              |            |              |              |                 |                |                     |                      |
| - Shape                                                                                      |               |              |            |              |              |                 |                |                     |                      |
| EV GBSU 2738-W523 C                                                                          | 0.00          | 0.00         | 4,046.00   | -251.33      | 13.78        | 658,368.17      | 771,854.56     | 32° 48' 24.538973 N | 103° 26' 54.771527 W |
| - plan misses target center by 121.27usft at 4066.89usft MD (4060.02 TVD, -131.05 N, 7.19 E) |               |              |            |              |              |                 |                |                     |                      |
| - Circle (radius 150.00)                                                                     |               |              |            |              |              |                 |                |                     |                      |
| EV GBSU 2738-W523 P                                                                          | 0.00          | 0.00         | 5,095.00   | -251.33      | 13.78        | 658,368.17      | 771,854.56     | 32° 48' 24.538973 N | 103° 26' 54.771527 W |
| - plan hits target center                                                                    |               |              |            |              |              |                 |                |                     |                      |
| - Point                                                                                      |               |              |            |              |              |                 |                |                     |                      |

| Casing Points         |                       |                               |                     |                   |  |
|-----------------------|-----------------------|-------------------------------|---------------------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name                          | Casing Diameter (") | Hole Diameter (") |  |
| 1,632.00              | 1,632.00              | 8 5/8" Surf Casing @ 1632 TVD | 8-5/8               | 12-1/4            |  |

|           |                        |                              |                                    |
|-----------|------------------------|------------------------------|------------------------------------|
| Database: | Dbase Nov0914          | Local Co-ordinate Reference: | Well Well 2738-W523                |
| Company:  | ConocoPhillips         | TVD Reference:               | RKB=3944+14 @ 3958.00usft (PD 194) |
| Project:  | Lea County, New Mexico | MD Reference:                | RKB=3944+14 @ 3958.00usft (PD 194) |
| Site:     | East Vacuum GBSA Unit  | North Reference:             | Grid                               |
| Well:     | Well 2738-W523         | Survey Calculation Method:   | Minimum Curvature                  |
| Wellbore: | Original Hole          |                              |                                    |
| Design:   | rev1                   |                              |                                    |

Formations

| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Name         | Lithology | Dip<br>(°) | Dip<br>Direction<br>(°) |
|-----------------------------|-----------------------------|--------------|-----------|------------|-------------------------|
| 1,602.00                    | 1,602.00                    | Rustler      |           | 0.00       |                         |
| 1,700.00                    | 1,700.00                    | Salado       |           | 0.00       |                         |
| 2,747.02                    | 2,747.00                    | Tansil       |           | 0.00       |                         |
| 2,870.10                    | 2,870.00                    | Yates        |           | 0.00       |                         |
| 3,140.80                    | 3,140.00                    | Seven Rivers |           | 0.00       |                         |
| 3,694.37                    | 3,690.00                    | Queen        |           | 0.00       |                         |
| 4,051.77                    | 4,045.00                    | Grayburg     |           | 0.00       |                         |
| 4,358.83                    | 4,350.00                    | San Andres   |           | 0.00       |                         |

## TDAP

### **(Thermally Deformable Annulus Packer)**

The TDAP is a tool developed by BiSN Oil Tools which serves the same function as a traditional inflatable annulus casing packer. The tool has been developed to specifically target wells prone to annulus gas migration.

#### Composition:

- Tool is made of a bismuth, tin, and lead alloy
- Has a low melting temperature of ~190°F
- Unaffected by H<sub>2</sub>S, CO<sub>2</sub>, HCl
- Expands during solidification, ensuring a tight metal-to-metal seal
- Has cement ports to allow cement to be pumped through the tool
- Springs contained on the inside and outside of tool, which when the tool is melted, break the channels of cement through the tool

#### Seals:

- Rubber seals on the inside create positive seal on production casing
- Rubber seals on the outside create positive seal against inside of surface casing
- Seals have been tested for effectiveness on straight pipe with no joints, as well as over the gap in pipe with a joint (representing a connection in the surface casing)
- Outside seals still create a vacuum after being run through the equivalent of 7,200'+ of smooth casing and 1560+ connection gaps (representing the number of connections in 60,000' of casing)

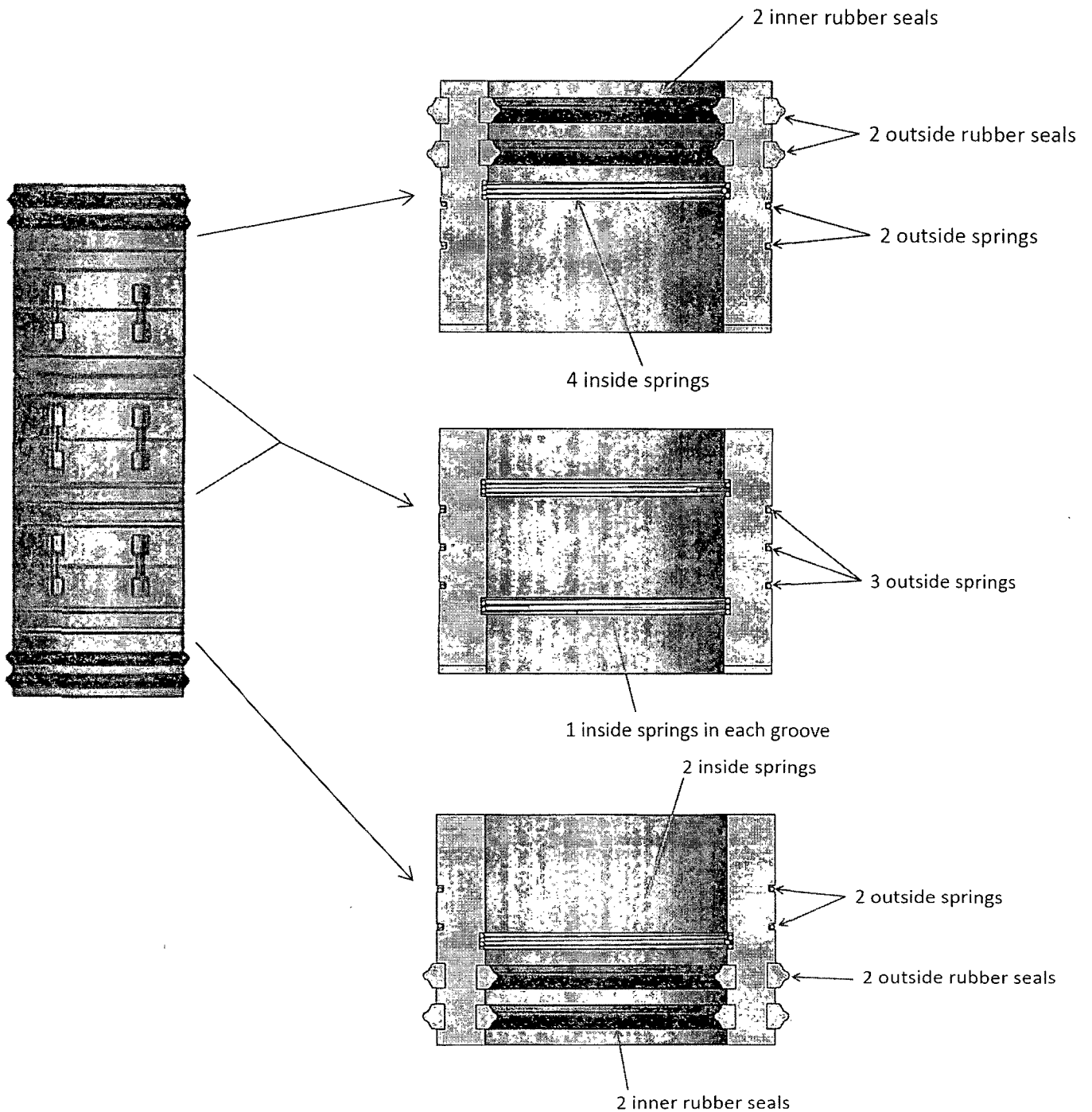
#### Heater:

- Wireline conveyed
- Composed of a thermite mixture with a 10-30 minute heating time
- Initiated by a voltage applied to a nickel resistor igniter

#### Running Procedure:

- Joint containing the tool is made up to the casing string and run downhole with centralizers immediately above and below the tool
- Tool is positioned in the surface casing by production casing annulus
- Cement job is performed and cement flows through the tool during displacement
- After the well is completed, the drilling rig moves off location
- After the cement is set and prior to completions activity (days after rig release), the heater is lowered on wireline to the position of the tool
- The heater is ignited, melting the tool
- The springs contained in the tool are released, breaking the cement channels

- The heater expands all it's fuel and cools
- The heater is brought back to surface and the melted tool cools, forming a true metal-to-metal, gas-tight seal in the casing by casing annulus





## Closed Loop System Design, Operating and Maintenance, and Closure Plan

ConocoPhillips Company  
Well: EVGBSAU #523W  
Location: Section 27, T17S, R35E  
Date: 7/16/2015

ConocoPhillips proposes the following plan for design, operating and maintenance, and closure of our proposed closed loop system for the above named well:

1. We propose to use a closed loop system with steel pits, haul-off bins, and frac tanks for containing all cuttings, solids, mud, water, brine, and liquids. We will not dig a pit, use a drying pad, build an earthen pit above ground level, nor dispose of or bury any waste on location.

All drilling waste and all drilling fluids (fresh water, brine, mud, cuttings, drill solids, cement returns, and any other liquid or solid that may be involved) will be contained on location in the rig's steel pits or in haul-off bins or frac tanks as needed. The intent is as follows:

- We propose to use the rig's steel pits for containing and maintaining the drilling fluids.
- **We propose to remove cuttings and drilled solids from the mud by using solids control equipment and to contain such cuttings and drilled solids on location in haul-off bins.**
- We propose that any excess water that may need to be stored on location will be stored in tanks.

**The closed loop system components will be inspected daily during each tour and any necessary repairs will be made immediately. Any leak in the system will be repaired immediately, any spilled liquids and/or solids will be cleaned immediately, and the area where any such spill occurred will be remediated immediately.**

2. Cuttings and solids will be removed from the location in haul-off bins by an authorized contractor and disposed of at an authorized facility. For this well, we propose the following disposal facility:

R-360 Inc.  
4507 West Carlsbad Hwy, Hobbs, NM 88240,  
P.O. Box 388; Hobbs, New Mexico 88241  
Phone Number: 575.393.1079

The physical address for the plant where the disposal facility is located is Highway 62/180 at mile marker 66 (33 miles East of Hobbs, NM and 32 miles West of Carlsbad, NM).

The Permit Number for R-360 is NM1-006.

A photograph showing the type of haul-off bins that will be used is attached.

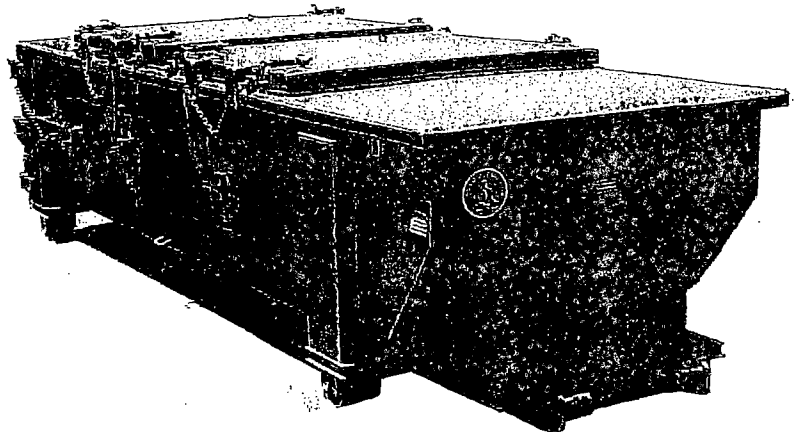
3. Mud will be transported by vacuum truck and disposed of at R-360 Inc. at the facility described above.
4. Fresh Water and Brine will be hauled off by vacuum truck and disposed of at an authorized salt water disposal well. We propose the following for disposal of fresh water and brine as needed:
  - Nabors Well Services Company, 3221 NW County Rd, Hobbs, NM 88240; P.O. Box 5208 Hobbs, NM, 88241, Phone Number: 575.392.2577; Permit SWD 092.
  - Basic Energy Services, 2404 W Texas Ave, Eunice, NM 88231; P.O. Box 1869, Eunice, NM 88231 Phone Number: 575.394.2545, Facility located at Hwy 18, Mile Marker 19; Eunice, NM.
  - C & C Transport, LLC, P.O. Box 1352, Hobbs, NM 88241 Phone Number: 575.393.0422
  - Sundance Services, Inc., P.O. Box 1737 Eunice, NM 88231 Phone Number: 575.394.2511

Cord Denton  
Drilling Engineer, ConocoPhillips Company  
Phone: (281) 206-5406  
Cell: (832) 754-7363

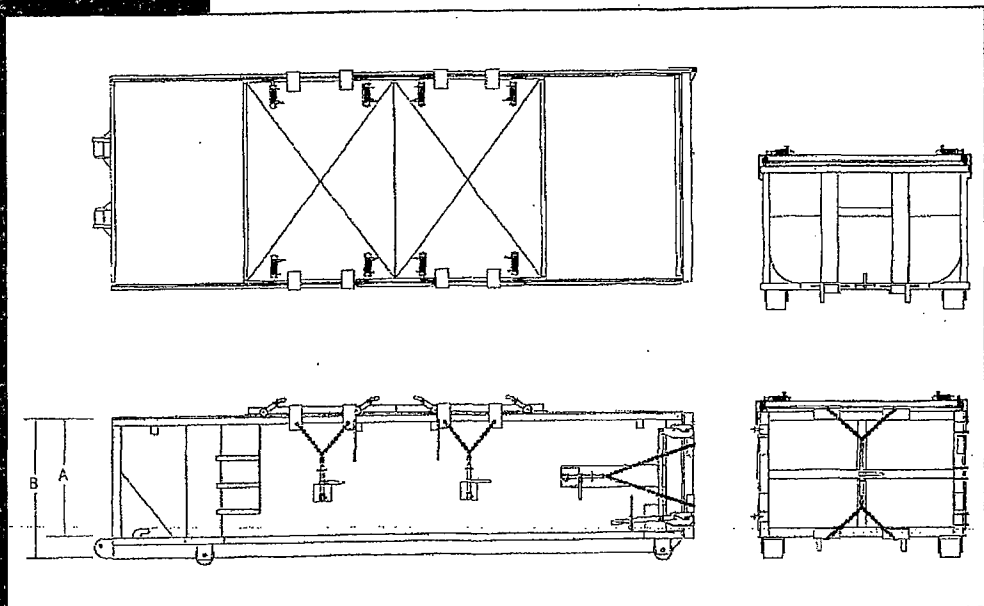
# SPECIFICATIONS

## Heavy Duty Split Metal Rolling Lid

FLOOR: 3/16" PL one piece  
 CROSS MEMBER: 3 x 4.1" channel-16" on center  
 WALLS: 3/16" PL solid welded with tubing top inside liner hooks  
 DOOR: 3/16" PL with tubing frame  
 FRONT: 3/16" PL slant formed  
 PICK UP: Standard cable with 2" x 6" x 1/4" rails, gusset at each crossmember  
 WHEELS: 10 DIA x 9" long with rease fittings  
 DOOR LATCH: 3 Independent ratchet binders with chains vertical second latch  
 GASKETS: Extruded rubber seal with metal retainers  
 WELDS: All welds continuous except sub-structure crossmembers  
 FINISH: Coated inside and out with direct to metal, rust-inhibiting acrylic enamel color coat  
 HYDROTESTING: Full capacity static test  
 DIMENSIONS: 22'-11" long (21'-8" inside), 99" wide (88" inside), see drawing for height  
 OPTIONS: Steel grit blast and special paint, Ampliroil, Heil and Dino pickup  
 ROOF: 3/16" PL roof panels with tubing and channel support frame  
 LIDS: (2) 68" x 90" metal rolling lids spring loaded, self raising  
 ROLLERS: 4" V-groove rollers with delrin bearings and grease fittings  
 OPENING: (2) 60" x 82" openings with 8" divider centered on container  
 LATCH: (2) independent ratchet binders with chains per lid  
 GASKETS: Extruded rubber seal with metal retainers



| CONT. | A  | B  |
|-------|----|----|
| 20 YD | 41 | 53 |
| 25 YD | 53 | 65 |
| 30 YD | 65 | 77 |





## **H<sub>2</sub>S Contingency Plan**

H<sub>2</sub>S Contingency Plan Holders:

Attached is an H<sub>2</sub>S Contingency Plan for COPC Permian Drilling working in the West Texas and Southeastern New Mexico areas operated by ConocoPhillips Company.

If you have any questions regarding this plan, please call Jet Brown at ConocoPhillips Company, 432.688.6849.

## **Table of Contents**

### **Section**

#### **I. Purpose**

#### **II. Scope**

#### **III. Procedures**

#### **IV. Emergency Equipment and Maintenance**

Emergency Equipment Suppliers

General Information

H<sub>2</sub>S Safety Equipment and Monitoring Systems

#### **V. Emergency Call List**

#### **VI. Public/Media Relations**

#### **VII. Public Notification/Evacuation**

#### **VIII. Forms/Reports**



# **HYDROGEN SULFIDE (H<sub>2</sub>S) OPERATIONS**

Contingency Plan  
For  
Permian Drilling Operations

ConocoPhillips Company  
Mid-Continent Business Unit  
Permian Asset Area

## **I. PURPOSE**

The purpose of this Contingency Plan is to provide an organized plan of action for alerting and protecting the public following the release of a potentially hazardous volume of hydrogen sulfide. This plan prescribes mandatory safety procedures to be followed in the event of a release of H<sub>2</sub>S into the atmosphere from exploration and production operations included in the scope of this plan. The extent of action taken will be determined by the supervisor and will depend on the severity and extent of the H<sub>2</sub>S release. Release of H<sub>2</sub>S must be reported to the Drilling Superintendent and documented on the IADC report and in Wellview.

### III. PROCEDURES

#### First Employee on Scene

\_\_\_\_\_ Assess the incident and ensure your own safety.

    Note the following:

\_\_\_\_\_ Location of the incident.

\_\_\_\_\_ Nature of the incident.

\_\_\_\_\_ Wind direction and weather conditions.

\_\_\_\_\_ Other assistance that may be needed.

\_\_\_\_\_ Call local supervisory personnel (refer to Section V: Emergency Call List) until personal contact is made with a person on the list.

\_\_\_\_\_ Perform emergency assessment and response as needed. The response may include rescue and/or evacuation of personnel, shutting in a system and/or notification of nearby residents/public (refer to Section VII: Public Notification/Evacuation).

\_\_\_\_\_ Secure the site.

\_\_\_\_\_ Follow the direction of the On-scene Incident Commander (first ConocoPhillips supervisor arriving on-scene).

#### First Supervisor on Scene (ConocoPhillips On-scene Incident Commander)

\_\_\_\_\_ Becomes ConocoPhillips' On-scene Incident Commander upon arrival to location.

\_\_\_\_\_ Follow the principles of the **D.E.C.I.D.E.** process below to assess the incident. (Note wind direction and weather conditions and ensure everyone's safety).

**DETECT** the problem

**ESTIMATE** likely harm without intervention

**CHOOSE** response objectives

**IDENTIFY** action options

**DO** the best option

**EVALUATE** the progress

\_\_\_\_\_ Complete the Preliminary Emergency Information Sheet (refer to Section VIII: Forms/Reports).

\_\_\_\_\_ Call your supervisor (refer to Section V: Emergency Call List).

- Perform emergency response as necessary. (This may include notification & evacuation of all personnel and/or nearby residents/public (refer to Section VII: Public Notification/Evacuation), requesting assistance from ConocoPhillips personnel or outside agencies (refer to Section V: Emergency Call List) and obtaining any safety equipment that may be required (refer to Section IV: Emergency Equipment and Maintenance).
- Notify appropriate local emergency response agencies of the incident as needed. Also notify the appropriate regulatory agencies. (refer to Section V: Emergency Call List).
- Ensure site security.
  - Set barricades and /or warning signs at or beyond the calculated 100 ppm H<sub>2</sub>S radius of exposure (ROE). All manned barricades must be equipped with an H<sub>2</sub>S monitor and a 2-way radio.
  - Set roadblocks and staging area as determined.
- Establish the Incident Command Structure by designating appropriate on-scene response personnel as follows:
 

|                            |  |
|----------------------------|--|
| Recording Secretary        |  |
| Public Information Officer |  |
| Safety/Medical Officer     |  |
| Decontamination Officer    |  |
- Have the “Recording Secretary” begin documenting the incident on the “Incident Log” (refer to Section VIII: Forms/Reports).
- If needed, request radio silence on all channels that use your radio tower stating that, until further notice, the channels should be used for emergency communications only.
- Perform a Site Characterization and designate the following:
 

|           |    |                                    |
|-----------|----|------------------------------------|
| Hot Zone  | -- | Hazardous Area                     |
| Warm Zone | -- | Preparation & Decontamination Area |
| Cold Zone | -- | Safe Area                          |



AND

|                                |             |
|--------------------------------|-------------|
| On-Scene Incident Command Post | (Cold Zone) |
| Public Relations Briefing Area | (Cold Zone) |
| Staging Area                   | (Cold Zone) |
| Triage Area                    | (Cold Zone) |
| Decontamination Area           | (Warm Zone) |

\_\_\_\_\_ Refer all media personnel to ConocoPhillips' On-Scene Public Information Officer (refer to Section VI: Public Media Relations).

\_\_\_\_\_ Coordinate the attempt to stop the release of H<sub>2</sub>S. You should consider closing upstream and downstream valves to shut-off gas supply sources, and/or plugging or clamping leaks. Igniting escaping gas to reduce the toxicity hazard should be used **ONLY AS A LAST RESORT**. (It must first be determined if the gas can be safely ignited, taking into consideration if there is a possibility of a widespread flammable atmosphere.)

\_\_\_\_\_ Once the emergency is over, return the situation to normal by:

Confirming the absence of H<sub>2</sub>S and combustible gas throughout the area,

Discontinuing the radio silence on all channels, stating that the emergency incident is over,

Removing all barricades and warning signs,

Allowing evacuees to return to the area, and

Advising all parties previously notified that the emergency has ended.

\_\_\_\_\_ Ensure the proper regulatory authorities/agencies are notified of the incident (refer to Section V: Emergency Call List).

\_\_\_\_\_ Clean up the site. (Be sure all contractor crews have had appropriate HAZWOPER training.)

\_\_\_\_\_ Report completion of the cleanup to the Asset Environmentalist.  
(Environmentalist will report this to the proper State and/or Federal agencies.)

\_\_\_\_\_ Fill out all required incident reports and send originals to the Safety Department. (Keep a copy for your records.)

- Company employee receiving occupational injury or illnesses.
- Company employee involved in a vehicle accident while driving a company vehicle.
- Company property that is damaged or lost.
- Accident involving the public or a contractor; includes personal injuries, vehicle accidents, and property damage. Also includes any situation which could result in a claim against the Company.
- Hazardous Material Spill/Release Report Form
- Emergency Drill Report

\_\_\_\_\_ Assist the Safety Department in the investigation of the incident. Review the factors that caused or allowed the incident to occur, and modify operating, maintenance, and/or surveillance procedures as needed. Make appropriate repairs and train or retrain employees in the use and operation of the system.

\_\_\_\_\_ If this incident was simulated for practice in emergency response, complete the Emergency Drill Report found in Section VIII: Forms/Reports and submit a copy to the Drilling Manager. (Keep one copy in area files to document exercising of the plan.)

## **Emergency Procedures**

### **Responsibility**

In the event of a release of potentially hazardous amounts of H<sub>2</sub>S, all personnel will immediately proceed upwind/ crosswind to the nearest designated briefing area. The COPC Drilling Rep. will immediately, upon assessing the situation, set this into action by taking the proper procedures to contain the gas and notify appropriate people and agencies.

1. In an emergency situation, the Drilling Rep. on duty will have complete responsibility and will take whatever action is deemed necessary to ensure the personnel's safety, to protect the well, and to prevent property damage.
2. The Toolpusher will assume all responsibilities of the Drilling Rep. in an emergency situation in which the Drilling Rep. becomes incapacitated.
3. Advise each contractor, service company, and all others entering the site that H<sub>2</sub>S may be encountered and of the potential hazards that may exist.
4. Authorize the evacuation of local residents if H<sub>2</sub>S threatens their safety.
5. Keep the number of persons on location to a minimum during hazardous operations.
6. Direct corrective actions to control the flow of gas.
7. The COPC Drilling Rep. has full responsibility for igniting escaping gas to reduce the toxicity hazard. This should be used **ONLY AS A LAST RESORT**.

## **IV. EMERGENCY EQUIPMENT and MAINTENANCE**

### **Emergency Equipment Suppliers**

#### **DXP Safety International – Odessa, TX**

|                                         |              |
|-----------------------------------------|--------------|
| H <sub>2</sub> S monitors               | 432.580.3770 |
| Breathing air including cascade systems |              |
| First aid and medical supplies          |              |
| Safety equipment                        |              |
| H <sub>2</sub> S Specialist             |              |

#### **EnerSafe Inc. – Odessa, TX**

|                                                |              |
|------------------------------------------------|--------------|
| H <sub>2</sub> S monitors (personal and fixed) | 432.550.0600 |
| Breathing air including cascade systems        |              |
| First aid and medical supplies                 |              |
| Safety equipment                               |              |

#### **Indian Fire & Safety – Hobbs, NM**

|                                                           |              |
|-----------------------------------------------------------|--------------|
| H <sub>2</sub> S monitors                                 | 575.393.3093 |
| Breathing air including cascade systems (trailer mounted) |              |
| 30 minute air packs                                       |              |
| Safety Equipment                                          |              |

## **Emergency Equipment and Maintenance (continued)**

### **General Information**

Materials used for repair should be suitable for use where H<sub>2</sub>S concentrations exceed 100 ppm. In general, carbon steels having low yield strengths and a hardness below RC-22 are suitable. The engineering staff should be consulted if any doubt exists on material specifications.

Appropriate signs should be maintained in good condition at location entrance and other locations as specified in Texas Rule 36 and NMOCD Rule 118.

All notification lists should be kept current with changes in names, telephone numbers, etc.

All shutdown devices, alarms, monitors, breathing air systems, etc., should be maintained in accordance with applicable regulations.

All personnel working in H<sub>2</sub>S areas shall have received training on the hazards, characteristics, and properties of H<sub>2</sub>S, and on procedures and safety equipment applicable for use in H<sub>2</sub>S areas.

## **H2S Safety Equipment and Monitoring Systems**

An H2S emergency response package will be maintained at locations requiring H2S monitoring. The package will contain at a minimum the following:

- 3 – Fixed H2S sensors located as follows:
  - 1 – on the rig floor
  - 1 – at the Bell Nipple
  - 1 – at the Shale Shaker or Flowline
- 1 – Entrance Warning Sign located at the main entrance to the location, with warning signs and colored flags to determine the current status for entry into the location.
- 2 – Windsocks that are clearly visible.
- 1 – Audible warning system located on rig floor
- 2 – Visual warning systems (Beacon Lights)
  - 1 – located at the rig floor
  - 1 – located in the mud mixing room

**Note: All alarms (audible and visual) should be set to alarm at 10 ppm.**

- 2 - Briefing areas clearly marked
  - 2 - SCBA's at each briefing area
  - 1- SCBA located at the Drilling Rep's office

**Note:**

- 1. All SCBA's must be positive pressure type only.**
- 2. All SCBA's must be either Scott or Drager brand.**
- 3. All SCBA's face pieces should be size large, unless otherwise specified by the Drilling Supervisor.**

- 5 – Emergency Escape Packs located at Top Doghouse.
  - Note: Ensure provisions are included for any personnel working above rig floor in derrick.

- 1 – Tri or Quad gas monitor located at the Drilling Rep's office. This will be used to determine if the work area is safe to re-enter prior to returning to work following any alarm.

## **V. EMERGENCY CALL LIST:**

The following is a priority list of personnel to contact in an emergency situation:

| <b>Supervisory Personnel</b>                                                                     | <b>Office No.</b>                            | <b>Home</b>  | <b>Cellular</b>                              |
|--------------------------------------------------------------------------------------------------|----------------------------------------------|--------------|----------------------------------------------|
| <b>Sam Hyden</b><br>Permian Drilling Supt.                                                       | 432.688.9163                                 | 432.561.9958 | 432.557.1999                                 |
| <b>Tim Garrett</b><br><b>Jerry Moore</b><br><b>Terry Brumley</b><br>Permian Drilling Field Supt. | 432.688.9057<br>432.688.9057<br>432.688.6850 |              | 505.330.5638<br>806.683.6852<br>432.238.9069 |
| <b>Jet Brown</b><br>WSER                                                                         | 432.688.6849                                 |              | 432.638.0509                                 |
| <b>R.E. (Gene) True</b><br>Operations Manager, Permian<br>Conventional Asset                     | 432.688.9050                                 | 281.546.1034 | 281.217.8492                                 |
| <b>Kyle O'Dell</b><br>Safety and Environmental Coordinator                                       | 432.688.9051                                 |              | 432.250.4912                                 |
| <b>Gene Schwall</b><br>Drilling Mngr.                                                            | 281.206.5159                                 | 281.579.2914 | 713.301.7590                                 |

### **EMERGENCY CALL LIST: State Officials**

#### **Regulatory Agencies**

##### **Texas Railroad Commission**

1701 N. Congress  
Austin, TX 78701

512.463.6838  
24 Hour Emergency: 512.463.6788

##### **New Mexico Oil Conservation Commission**

P. O. Box 1980  
Hobbs, New Mexico 88240-1980

Office: 575.393.6161

##### **Bureau of Land Management**

Carlsbad Field Office  
620 E. Greene St.  
Carlsbad, NM 88220

Office: 575.234.5972  
Fax: 575.885.9264  
BLM 24 Hr on call # Lea County: 575-393-3612

### **EMERGENCY CALL LIST: Local Officials**

#### **Refer to the Location Information Sheet**

**Note: The LIS should include any area residents (i.e. rancher's house, etc)**

## **ConocoPhillips Emergency Call List and Location Information Sheet**

### **ConocoPhillips- 281-293-3600**

|                         |                                                     |                                                                                                                                        |
|-------------------------|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Drilling Superintendent | Sam Hyden                                           | Office: 432-688-9163<br>Cell: 432-557-1999                                                                                             |
| Safety (WSER)           | Jet Brown                                           | Office: 432-688-6849<br>Cell: 432-638-0509                                                                                             |
| Drilling Engineer       | Cord Denton<br><br>Stephanie Basse<br><br>Nancy Luo | Office: 281-206-5406<br>Cell: 832-754-7363<br>Office: 281-206-5239<br>Cell: 832-231-1159<br>Office: 281-206-5280<br>Cell: 281-546-8154 |
| Regulatory Contact      | Susan Maunder                                       | Office: 432-688-6913<br>Cell: 432-269-4378                                                                                             |

### **Emergency Numbers**

Hospital: Lea Co. Regional Medical Center (Hobbs) .....575-492-5000  
Ambulance: Hobbs Fire Dept. ....575-397-9308  
Air Ambulance: Care Star .....888-624-3571  
                    Aero Star .....800-627-2376  
Fire Dept. (Hobbs) .....575-397-9308  
                    (Maljamar non-emerg) .....575-676-4100  
State Police (Artesia) .....575-748-9718  
                    (Hobbs) .....575-392-5580  
Sheriff (Lovington)..... 575-396-3611  
Police (Lovington) .....575-396-2811  
NMOCD .....575-393-6161  
                    (Emerg) .....575-370-3186  
BLM Switchboard.....575-393-3612  
BLM 24 Hr on Call, Lea County.....575-393-3612  
New Mexico Emergency Response Comm (Santa Fe) .....505-476-9600  
New Mexico State Emerg Ops Ctr .....505-476-9635  
National Emergency Response Center .....800-424-8802

**Number of Residences within 1 mile of Well:** There are no residences within one mile of the well to be drilled.



## **VI. Public Media Relations**

The **Public Information Officer** becomes the ConocoPhillips on-scene contact (once designated by the ConocoPhillips On-Scene Incident Commander).

The Public Information Officer confers with Houston Office's Human Relations Representative, who is responsible for assisting in the coordination of local public relations duties.

If you are the Public Information Officer, answer media questions honestly and **only with facts**, do not speculate about the cause, amount of damage, or the potential impact of the incident on the community, company, employees, or environment. (This information will be formally determined in the incident investigation.)

If you are not comfortable answering a question or if you are unsure of the answer, use terms such as the following:

- "I do not know. I will try to find out."
- I am not qualified to answer that question, but I will try to find someone who is."
- "It is under investigation."

**Note:**

**Do Not** Say "No Comment." (This implies a cover-up.)

**Do Not Disclose Names of Injured or Dead!** Confer with the Houston Office's Human Relations Representative, who is responsible for providing that information.

## **VII. Public Notification/Evacuation**

### Alert and/or Evacuate People within the Exposure Area

1. Public Notification – If the escape of gas could result in a hazard to area residents, the general public, or employees, the person **first** observing the leak should take **immediate** steps to cause notification of any nearby residents. The avoidance of injury or loss of life should be of prime consideration and given top priority in all cases. If the incident is of such magnitude, or at such location as to create a hazardous situation, local authorities will be requested to assist in the evacuation and roadblocks of the designated area until the situation can be returned to normal.

Note: Bilingual employees may be needed to assist in notification of residents.

2. Evacuation Procedures – Evacuation will proceed upwind from the source of the release of H<sub>2</sub>S. Extreme caution should be exercised in order to avoid any depressions or low-lying areas in the terrain. The public area within the radius of exposure should be evacuated in a southwesterly and southeasterly direction so as to avoid the prevailing southern wind direction.

Roadblocks and the staging area should be established as necessary for current wind conditions.

**Note:** In all situations, consideration should be given to wind direction and weather conditions. H<sub>2</sub>S is heavier than air and can settle in low spots. Shifts in wind direction can also change the location of possible hazardous areas.

## **VIII. FORMS & REPORTS**

- I. Incident Log
- II. Preliminary Emergency Information Sheet
- III. Emergency Drill Report
- IV. Onshore Hazardous Material Spill/Release Report Form
- V. Immediate Report of Occupational Injury or Illness
  - Report of Accident-Public Contractor
  - Report of Loss or Damage to Company Property
  - Report of Automotive Incident