

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural  
Resources Department

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

|                |  |
|----------------|--|
| Incident ID    |  |
| District RP    |  |
| Facility ID    |  |
| Application ID |  |

## Release Notification

### Responsible Party

|                         |                              |                              |                |
|-------------------------|------------------------------|------------------------------|----------------|
| Responsible Party       | DJR Operating LLC            | OGRID                        | 371838         |
| Contact Name            | Amy Archuleta                | Contact Telephone            | 505-632-3476   |
| Contact email           | aarchuleta@djrlc.com         | Incident # (assigned by OCD) | NCS 1825433658 |
| Contact mailing address | 1 Road 6263 Aztec, NM, 87410 |                              |                |

### Location of Release Source

Latitude 36.22905 Longitude -107.23672  
(NAD 83 in decimal degrees to 5 decimal places)

|                         |                       |                      |              |
|-------------------------|-----------------------|----------------------|--------------|
| Site Name               | MARTIN WHITTAKER #035 | Site Type            | Oil          |
| Date Release Discovered | August 23, 2018       | API# (if applicable) | 30-039-23285 |

| Unit Letter | Section | Township | Range | County     |
|-------------|---------|----------|-------|------------|
| A           | 15      | 23N      | 04W   | Rio Arriba |

Surface Owner: ☐ State ☐ Federal ☒ Tribal ☐ Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

|  |  |  |
|--|--|--|
| <input type="checkbox"/> Crude Oil                                 | Volume Released (bbls)   | Volume Recovered (bbls)                                  |
| <input type="checkbox"/> Produced Water                            | Volume Released (bbls)   | Volume Recovered (bbls)                                  |
|  | Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate                                | Volume Released (bbls)   | Volume Recovered (bbls)                                  |
| <input type="checkbox"/> Natural Gas                               | Volume Released (Mcf)  | Volume Recovered (Mcf)                                   |
| <input checked="" type="checkbox"/> Other (describe)<br>Waste tank | Volume/Weight Released (provide units)<br>Unknown Volume                                 | Volume/Weight Recovered (provide units)                  |

#### Cause of Release

While cleaning out the soil around the BGT to provide visibility to the bottom of this soon to be Plugged and Abandoned location, contaminated soil was observed. The cause of the release appears to be loss of integrity by corrosion.

NMOC

SEP 06 2018

DISTRICT III

11

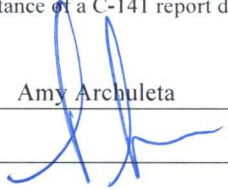
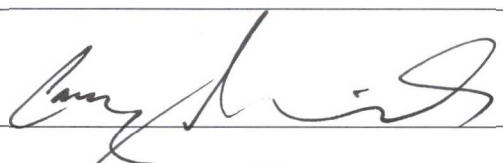
State of New Mexico  
Oil Conservation Division

|                |  |
|----------------|--|
| Incident ID    |  |
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| Application ID |  |

|   |  |
|---|--|
| Was this a major release as defined by 19.15.29.7(A) NMAC?<br><br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release?<br><br> |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?<br><br>                  |  |

### Initial Response

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

|  |                                |
|--|--------------------------------|
| <input checked="" type="checkbox"/> The source of the release has been stopped.<br><input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.<br><input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.<br><input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.   |                                |
| If all the actions described above have <u>not</u> been undertaken, explain why:<br><br>   |                                |
| Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.  |                                |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. |                                |
| Printed Name: <u>Amy Archuleta</u>   | Title: <u>Regulatory</u>       |
| Signature:    | Date: <u>9/5/18</u>            |
| email: <u>aarchuleta@djrlc.com</u>   | Telephone: <u>505-632-3476</u> |
| <b>OCD Only</b><br>Received by:   |                                |
| Date: <u>9/11/18</u>   |                                |

|                |  |
|----------------|--|
| Incident ID    |  |
| District RP    |  |
| Facility ID    |  |
| Application ID |  |

## Site Assessment/Characterization

*This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

|   |   |
|---|---|
| What is the shallowest depth to groundwater beneath the area affected by the release?   | >100 (ft bgs)   |
| Did this release impact groundwater or surface water?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

### **Characterization Report Checklist:** *Each of the following items must be included in the report.*

- ☐ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☐ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☐ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.



State of New Mexico  
Oil Conservation Division

|                |  |
|----------------|--|
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Printed Name: Amy Archuleta Title: Regulatory

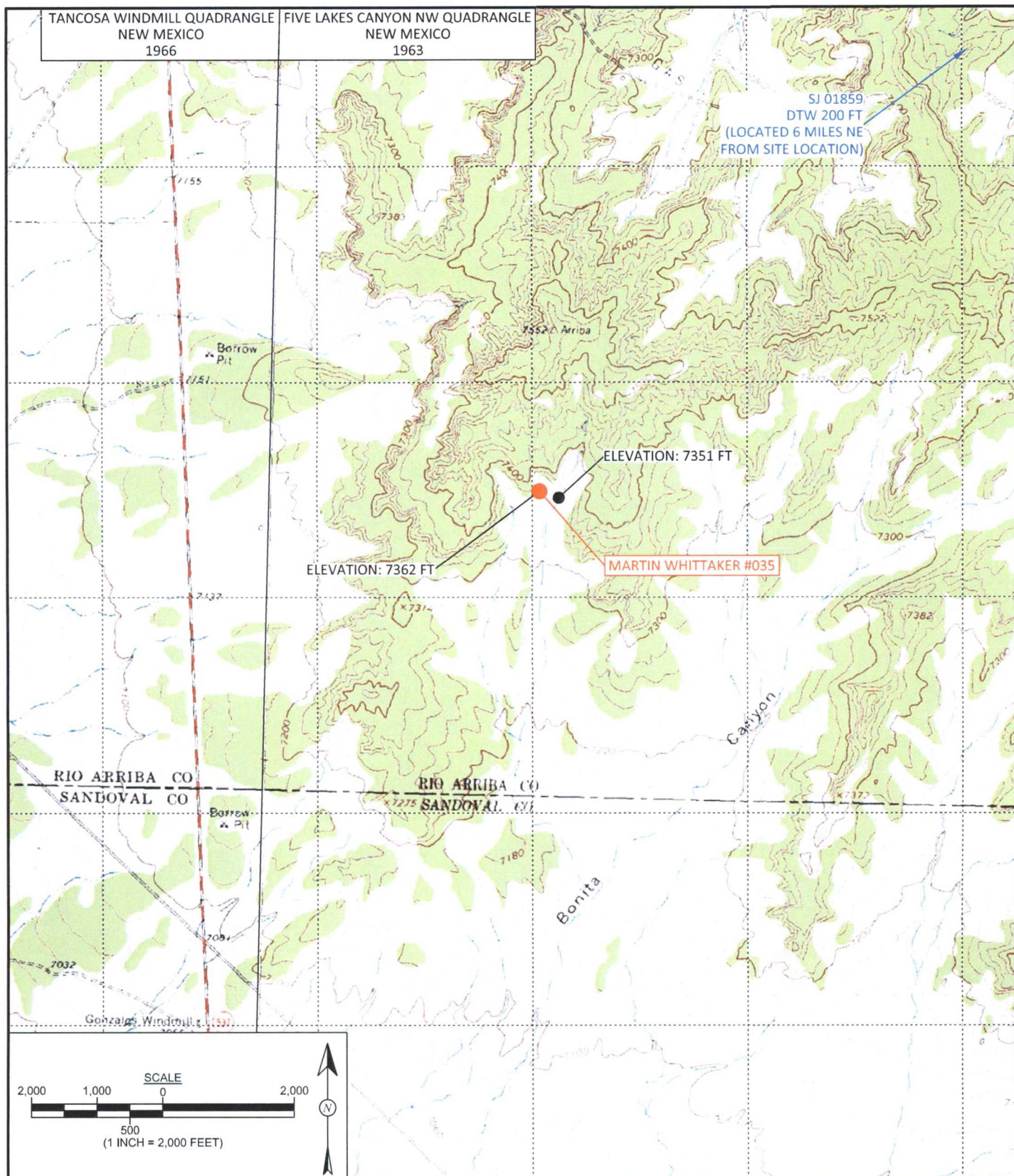
Signature:  Date: 9/5/18

email: aarchuleta@djrlc.com Telephone: 505-632-3476

**OCD Only**

Received by:  Date: 9/11/18

Only Site Info No Characterization



**FIGURE 1**

**TOPOGRAPHIC SITE LOCATION MAP**

DJR OPERATING  
MARTIN WHITTAKER #035  
API:30-039-23285

NE¼ NE¼, SECTION 15, T23N, R4W  
RIO ARRIBA COUNTY, NEW MEXICO  
N36.22905, W107.23672



**animas  
environmental  
services**

Farmington, NM • Durango, CO  
animasenvironmental.com

**DRAWN BY:**

C. Lameman

**DATE DRAWN:**

August 30, 2018

**REVISIONS BY:**

C. Lameman

**DATE REVISED:**

August 30, 2018

**CHECKED BY:**

T. Knight

**DATE CHECKED:**

August 30, 2018

**APPROVED BY:**

E. McNally

**DATE APPROVED:**

August 30, 2018





**FIGURE 2**



**animas  
environmental  
services**

Farmington, NM • Durango, CO  
animasenvironmental.com

**DRAWN BY:**  
C. Lameman

**DATE DRAWN:**  
August 30, 2018

**REVISIONS BY:**  
C. Lameman

**DATE REVISED:**  
August 30, 2018

**CHECKED BY:**  
T. Knight

**DATE CHECKED:**  
August 30, 2018

**APPROVED BY:**  
E. McNally

**DATE APPROVED:**  
August 30, 2018

**AERIAL SITE LOCATION MAP**  
DJR OPERATING  
MARTIN WHITTAKER #035  
API:30-039-23285  
NE $\frac{1}{4}$  NE $\frac{1}{4}$ , SECTION 15, T23N, R4W  
RIO ARriba COUNTY, NEW MEXICO  
N36.22905, W107.23672



**2018 Spill Rule per NMAC 19.15.19.12:**

**NMOCD Thresholds for Unsaturated Contaminated Soils**

|                        |                      |
|------------------------|----------------------|
| Site Name:             | Martin Whittaker #35 |
| API #:                 | 3003923285           |
| Lat/Long:              | 36.22911 -107.23669  |
| Determination made by: | DR                   |
| Date:                  | 8/30/2018            |
| Land Jurisdiction:     | Jicarilla            |
| County:                | Rio Arriba           |

| Depth to Groundwater Determination         |  |
|--|--|
| Cathodic Report/Site Specific Hydrogeology | none available, C-144 form from 2009 says >50'   |
| Elevation Differential                     | about 10' higher than significant blue line wash about 195' E<br>about 280' higher than SJ 01859 6.2 mi to NE which reported DTW of 200' |
| Water Wells                                | in 1984  |
| Cathodic Report Nearby Wells               | none   |

| Other Determinations:   |   |                                     |
|---|---|-------------------------------------|
| <i>If a release occurs within the following areas, the RP must treat the release as if it occurred less than 50 ft to GW (NMAC 19.15.29.12C):</i> |   |                                     |
| <300' of any continuously flowing watercourse or any other significant watercourse  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>         |
| <200' of any lakebed, sinkhole or playa lake (measured from the Ordinary High Water Mark)   | <input type="checkbox"/>                | <input checked="" type="checkbox"/> |
| <300' of an occupied permanent residence, school, hospital, institution or church   | <input type="checkbox"/>                | <input checked="" type="checkbox"/> |
| <500' of a spring or private/domestic water well used by <5 households for domestic or stock watering purposes                                    | <input type="checkbox"/>                | <input checked="" type="checkbox"/> |
| <1000' of any water well or spring  | <input type="checkbox"/>                | <input checked="" type="checkbox"/> |
| within incorporated municipal boundaries or within a defined municipal fresh water well field   | <input type="checkbox"/>                | <input checked="" type="checkbox"/> |
| <300' of a wetland  | <input type="checkbox"/>                | <input checked="" type="checkbox"/> |
| within the area overlying a subsurface mine   | <input type="checkbox"/>                | <input checked="" type="checkbox"/> |
| within an unstable area   | <input type="checkbox"/>                | <input checked="" type="checkbox"/> |
| within a 100-year floodplain  | <input type="checkbox"/>                | <input checked="" type="checkbox"/> |
| <b>Explain any Yes Marks:</b>   |   |                                     |
| small blue line wash is 195' to E, drains to Bonita Canyon and ultimately to the SJ River   |   |                                     |


**Action Levels Determined for Martin Whittaker #35**

| If Depth to Groundwater is...             | 0-50         | 50-100 | >100   |
|---|--------------|--------|--------|
| Then Release Action Levels are... Benzene | 10           | 10     | 10     |
| BTEX (mg/kg)                              | 50           | 50     | 50     |
| 418.1 TPH (mg/kg)                         | 100          | 2,500  | 2,500  |
| 8015 (GRO + DRO)                          | Not Required | 1,000  | 1,000  |
| Chlorides                                 | 600          | 10,000 | 20,000 |

Release Action levels are determined by the depth below bottom of pit to groundwater, per NMAC 19.15.29.12E Table I.



## New Mexico Office of the State Engineer Point of Diversion Summary

|                                |            |  |        |                               |     |                       |     |          |  |
|--------------------------------|------------|--|--------|-------------------------------|-----|-----------------------|-----|----------|--|
|                                |            | (quarters are 1=NW 2=NE 3=SW 4=SE)<br>(quarters are smallest to largest) |        |                               |     | (NAD83 UTM in meters) |     |          |  |
| Well Tag                       | POD Number | Q64  | Q16    | Q4                            | Sec | Tws                   | Rng | X        | Y  |
|                                | SJ 01859   |  |        | 4                             | 21  | 24N                   | 03W | 306247   | 4018537*  |
| Driller License: 620           |            | Driller Company:   |        | MORROW, JOE DRILLING CO.      |     |                       |     |          |  |
| Driller Name:                  |            | MORROW, MIKE   |        |                               |     |                       |     |          |  |
| Drill Start Date: 07/24/1984   |            | Drill Finish Date:   |        | 07/28/1984                    |     | Plug Date:            |     |          |  |
| Log File Date: 08/27/1984      |            | PCW Rcv Date:  |        |                               |     | Source:               |     | Shallow  |  |
| Pump Type:                     |            | Pipe Discharge Size:   |        |                               |     | Estimated Yield:      |     | 12 GPM   |  |
| Casing Size: 6.63              |            | Depth Well:  |        | 324 feet                      |     | Depth Water:          |     | 200 feet |  |
| Water Bearing Stratifications: |            | Top  | Bottom | Description                   |     |                       |     |          |  |
|                                |            | 270  | 280    | Sandstone Gravel Conglomerate |     |                       |     |          |  |
|                                |            | 280  | 305    | Sandstone Gravel Conglomerate |     |                       |     |          |  |
| Casing Perforations:           |            | Top  | Bottom |                               |     |                       |     |          |  |
|                                |            | 240  | 260    |                               |     |                       |     |          |  |
|                                |            | 280  | 300    |                               |     |                       |     |          |  |

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

9/4/18 4:30 PM

POINT OF DIVERSION SUMMARY



# STATE ENGINEER OFFICE

## WELL RECORD

## Section 1. GENERAL INFORMATION

(A) Owner of well Bill & Marilyn Sage Well No. 228222  
 Street or Post Office Address Box 2  
 City and State Lindrith, New Mexico 87029

Well was drilled under Permit No. SJ-1859 and is located in the: SANTA FE DISTRICT, 3W. 21. S. 2E. 1/4 of Section 21 Township 24N Range 3W N.M.P.M. 87501

a.  $\frac{1}{4}$  S. 1/2 ~~X~~ S. 1/2 ~~X~~ SE  $\frac{1}{4}$  of Section 21 Township 24N Range 3W N.M.P.M. 87501

b. Tract No. \_\_\_\_\_ of Map No. \_\_\_\_\_ of the \_\_\_\_\_

c. Lot No. \_\_\_\_\_ of Block No. \_\_\_\_\_ of the \_\_\_\_\_  
 Subdivision, recorded in Rio Arriba County.

d. X= \_\_\_\_\_ feet, Y= \_\_\_\_\_ feet, N.M. Coordinate System \_\_\_\_\_ Zone in the \_\_\_\_\_ Grant.

(B) Drilling Contractor Joe Morrow Drilling Co. License No. WD 620  
 Address P.O. Box 1406, Farmington, N.M. 87499  
 Drilling Began July 24, 1984 Completed July 28, 1984 Type tools Rotary Size of hole 7 7/8 in.  
 Elevation of land surface or \_\_\_\_\_ at well is 7000 ft. Total depth of well 324 ft.  
 Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 200 ft.

## Section 2. PRINCIPAL WATER-BEARING STRATA

| Depth in Feet |     | Thickness in Feet | Description of Water-Bearing Formation | Estimated Yield (gallons per minute) |
|---------------|-----|-------------------|--|--------------------------------------|
| From          | To  |                   |  |                                      |
| 270           | 280 | 10                | Sand (fine)                            | 2                                    |
| 280           | 305 | 25                | Sand (course)                          | 10                                   |
|               |     |                   |  |                                      |
|               |     |                   |  |                                      |

## Section 3. RECORD OF CASING

| Diameter (inches) | Pounds per foot | Threads per in. | Depth in Feet |        | Length (feet) | Type of Shoe | Perforations |     |
|-------------------|-----------------|-----------------|---------------|--------|---------------|--------------|--------------|-----|
|                   |                 |                 | Top           | Bottom |               |              | From         | To  |
| 6 5/8             | 8               | None            | 0             | 324    |               | None         | 240          | 260 |
|                   |                 |                 |               |        |               |              | 280          | 300 |
|                   |                 |                 |               |        |               |              |              |     |

## Section 4. RECORD OF MUDDING AND CEMENTING

| Depth in Feet |    | Hole Diameter | Sacks of Mud | Cubic Feet of Cement | Method of Placement |
|---------------|----|---------------|--------------|----------------------|---------------------|
| From          | To |               |              |                      |                     |
|               |    |               |              |                      |                     |
|               |    |               |              |                      |                     |
|               |    |               |              |                      |                     |

## Section 5. PLUGGING RECORD

Plugging Contractor \_\_\_\_\_  
 Address \_\_\_\_\_  
 Plugging Method \_\_\_\_\_  
 Date Well Plugged \_\_\_\_\_  
 Plugging approved by: \_\_\_\_\_

State Engineer Representative

| No. | Depth in Feet |        | Cubic Feet of Cement |
|-----|---------------|--------|----------------------|
|     | Top           | Bottom |                      |
| 1   |               |        |                      |
| 2   |               |        |                      |
| 3   |               |        |                      |
| 4   |               |        |                      |

## FOR USE OF STATE ENGINEER ONLY

Date Received 8/28/84

Quad \_\_\_\_\_ FWL \_\_\_\_\_ FSL \_\_\_\_\_

File No. SJ-1859 Use Dom Location No. 24N. 3W. 21. S. 2E. 1/4 (RA)

## Section 6. LOG OF HOLE

| Depth in Feet |     | Thickness<br>in Feet | Color and Type of Material Encountered |
|---------------|-----|----------------------|--|
| From          | To  |                      |  |
| 0             | 2   | 2                    | Brown sand                             |
| 2             | 5   | 3                    | Sand stone                             |
| 5             | 12  | 7                    | Brown sand                             |
| 12            | 17  | 5                    | Brown waxy shale                       |
| 17            | 23  | 6                    | Red shale                              |
| 23            | 27  | 4                    | Sand stone                             |
| 27            | 45  | 18                   | Brown sand (fine)                      |
| 45            | 47  | 2                    | Sand stone                             |
| 47            | 62  | 15                   | Brown sand                             |
| 62            | 77  | 15                   | Blue shale                             |
| 77            | 82  | 5                    | Red shale                              |
| 82            | 84  | 2                    | Brown shale                            |
| 84            | 105 | 21                   | Gray sand                              |
| 105           | 115 | 10                   | Red shale                              |
| 115           | 125 | 10                   | Gray sandy shale                       |
| 125           | 198 | 73                   | Gray sand                              |
| 198           | 230 | 30                   | Gray shale                             |
| 230           | 270 | 40                   | Sand rock                              |
| 270           | 280 | 10                   | Sand (fine)                            |
| 280           | 305 | 25                   | Sand (course)                          |
| 305           | 324 | 19                   | Green sandy shale                      |
|               |     |                      |  |
|               |     |                      |  |
|               |     |                      |  |
|               |     |                      |  |

## Section 7. REMARKS AND ADDITIONAL INFORMATION

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

*Mike Brown*  
Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1(a) and Section 5 need be completed.



**DJR Operating, LLC**  
**Martin Whittaker #35 Below Grade Tank Release Notification**  
**Photos Taken August 29, 2018**



Photo 1: Sign posted on the site.



Photo 2: Subject below grade tank with visibly stained soil at the base of the tank pit.