

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    | nAPP2317871070 |
| District RP    |                |
| Facility ID    |                |
| Application ID |                |

## Release Notification

### Responsible Party

|                                                                                      |                                |
|--------------------------------------------------------------------------------------|--------------------------------|
| Responsible Party Marathon Oil Permian LLC                                           | OGRID 372098                   |
| Contact Name Melodie Sanjari                                                         | Contact Telephone 575-988-8753 |
| Contact email <a href="mailto:msanjari@marathonoil.com">msanjari@marathonoil.com</a> | Incident # (assigned by OCD)   |
| Contact mailing address 4111 S. Tidwell Rd., Carlsbad, NM 8220                       |                                |

### Location of Release Source

Latitude 32.7254715 Longitude -103.486557  
(NAD 83 in decimal degrees to 5 decimal places)

|                                    |                                     |
|------------------------------------|-------------------------------------|
| Site Name Nighthawk 1H             | Site Type Oil & Gas Facility        |
| Date Release Discovered: 6/27/2023 | API# (if applicable) [30-025-41519] |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| D           | 29      | 18S      | 35E   |        |

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 checked="" type="checkbox"/> Produced Water | Volume Released (bbls) 40                                                      | Volume Recovered (bbls) 40                                          |
|                                                    | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input checked="" 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 type="checkbox"/> Other (describe)          | Volume/Weight Released (provide units)                                         | Volume/Weight Recovered (provide units)                             |

#### Cause of Release

A bridal failure on the separator resulted in the release of 40 bbl. of fluid within the lined, secondary containment. All standing fluid was recovered. A notice will be sent out prior to a liner integrity inspection.

|                |                |
|----------------|----------------|
| Incident ID    | nAPP2317871070 |
| District RP    |                |
| Facility ID    |                |
| Application ID |                |

|                                                                                                                                         |                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Was this a major release as defined by 19.15.29.7(A) NMAC?<br><br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No   | If YES, for what reason(s) does the responsible party consider this a major release? |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?<br>NOR submitted 6/28/2023 |                                                                                      |

## 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:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                          |
| 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>Melodie Sanjari</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Title: <u>Environmental Professional</u> |
| Signature: <u>Melodie Sanjari</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Date: 6/28/2023                          |
| email: <u>msanjari@marathonoil.com</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Telephone: <u>575-988-8753</u>           |
| <b><u>OCD Only</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                          |
| Received by: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Date: _____                              |

|                |                |
|----------------|----------------|
| Incident ID    | nAPP2317871070 |
| District RP    |                |
| Facility ID    |                |
| Application ID |                |

## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Melodie Sanjari Title: Environmental Professional

Signature: Melodie Sanjari Date: 7/14/2023

email: msanjari@marathonoil.com Telephone: 575-988-8753

### OCD Only

Received by: Shelly Wells Date: 7/14/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Shelly Wells Date: 10/4/2023

Printed Name: Shelly Wells Title: Environmental Specialist-Advanced

## Sanjari, Melodie (MRO)

---

**From:** Sanjari, Melodie (MRO)  
**Sent:** Wednesday, July 5, 2023 8:39 AM  
**To:** SLO Spills; Enviro, OCD, EMNRD  
**Subject:** Marathon Oil Company -Liner Inspection Notice - nAPP2317871070

Good Morning,

Please let this email serve as the required notification for a liner integrity inspection to take place in the separator secondary containment to close out incident nAPP2317871070 this coming Friday (7/7/2023).

Thank you

### Melodie Sanjari

Environmental Professional  
Permian & Oklahoma  
575-988-8753



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**From:** Sanjari, Melodie (MRO)  
**Sent:** Wednesday, June 28, 2023 5:59 PM  
**To:** SLO Spills <spills@slo.state.nm.us>  
**Subject:** Marathon Oil Company - Initial Spill Notification & Initial C141 - nAPP2317871070

Good Afternoon,

Please let this email serve as the required initial notification of release discovered yesterday afternoon at the Nighthawk 1H location. NOR was submitted via the OCD portal yesterday evening and the attached Initial C141 has also been submitted via the portal. A subsequent email will be sent to provide a notification of a liner integrity inspection.

Thank you

### Melodie Sanjari

Environmental Professional  
Permian & Oklahoma  
575-988-8753



Liner Integrity Inspection (Photos Attached)

Date: 7/7/2023

Facility: Nighthawk - IH

48 Hour Notification Given On: 7/5/2023

Responsible party has visually inspected the liner

☒ Y/N

Liner remains intact

☒ Y/N

Liner had the ability to contain the leak in question:

☒ Y/N

Notes:

- separator containment showed no rips, tears or failures in liner or containment
- small containment - pressure washed 7/7 prior to inspection.

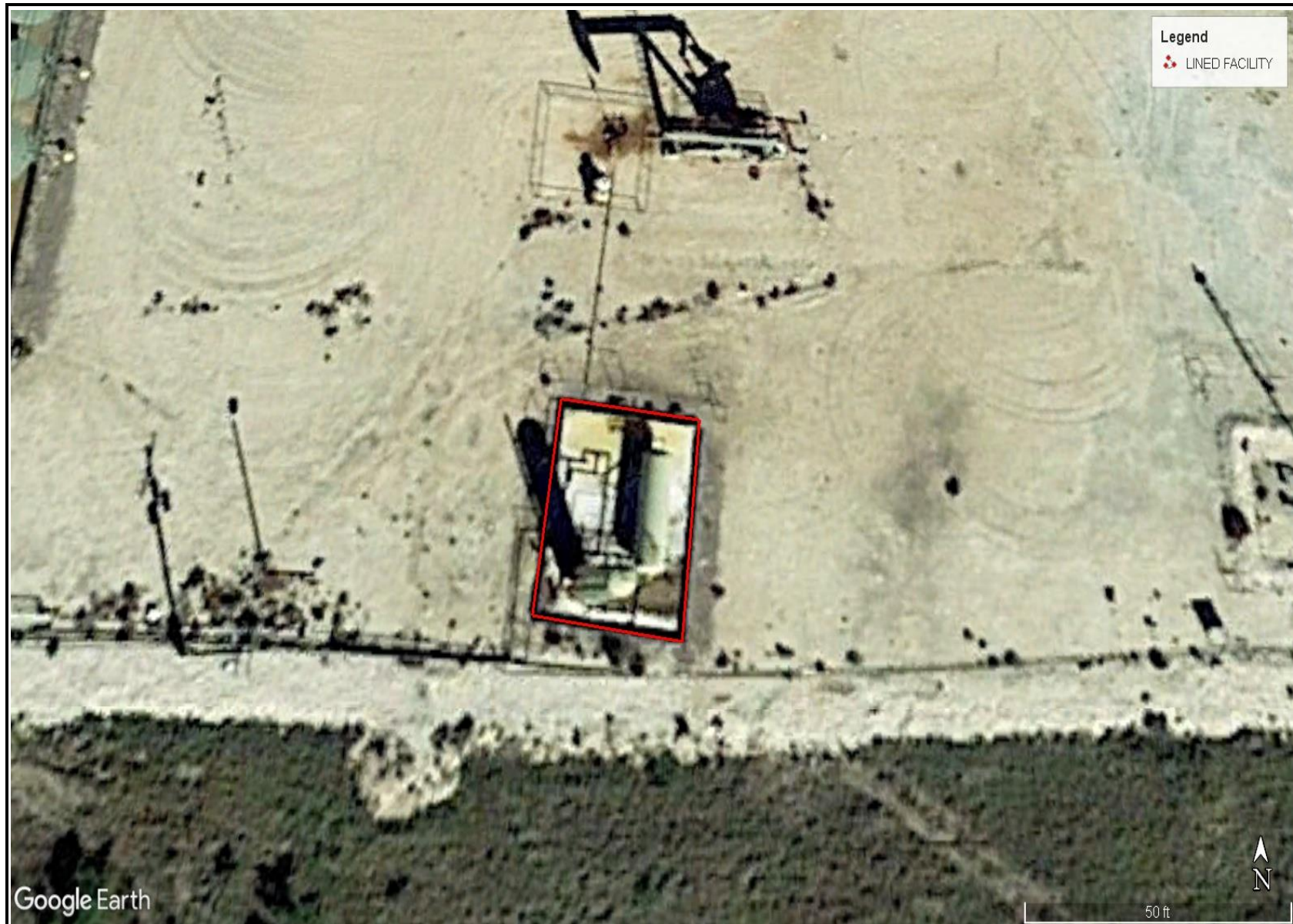
Company Representative(s)

*M. Sanjari*

Melodie Sanjari







SECONDARY CONTAINMENT MAP  
MARATHON OIL COMPANY  
NIGHTHAWK 1H  
LEA COUNTY, NEW MEXICO  
32.7254715°, -103.486557°



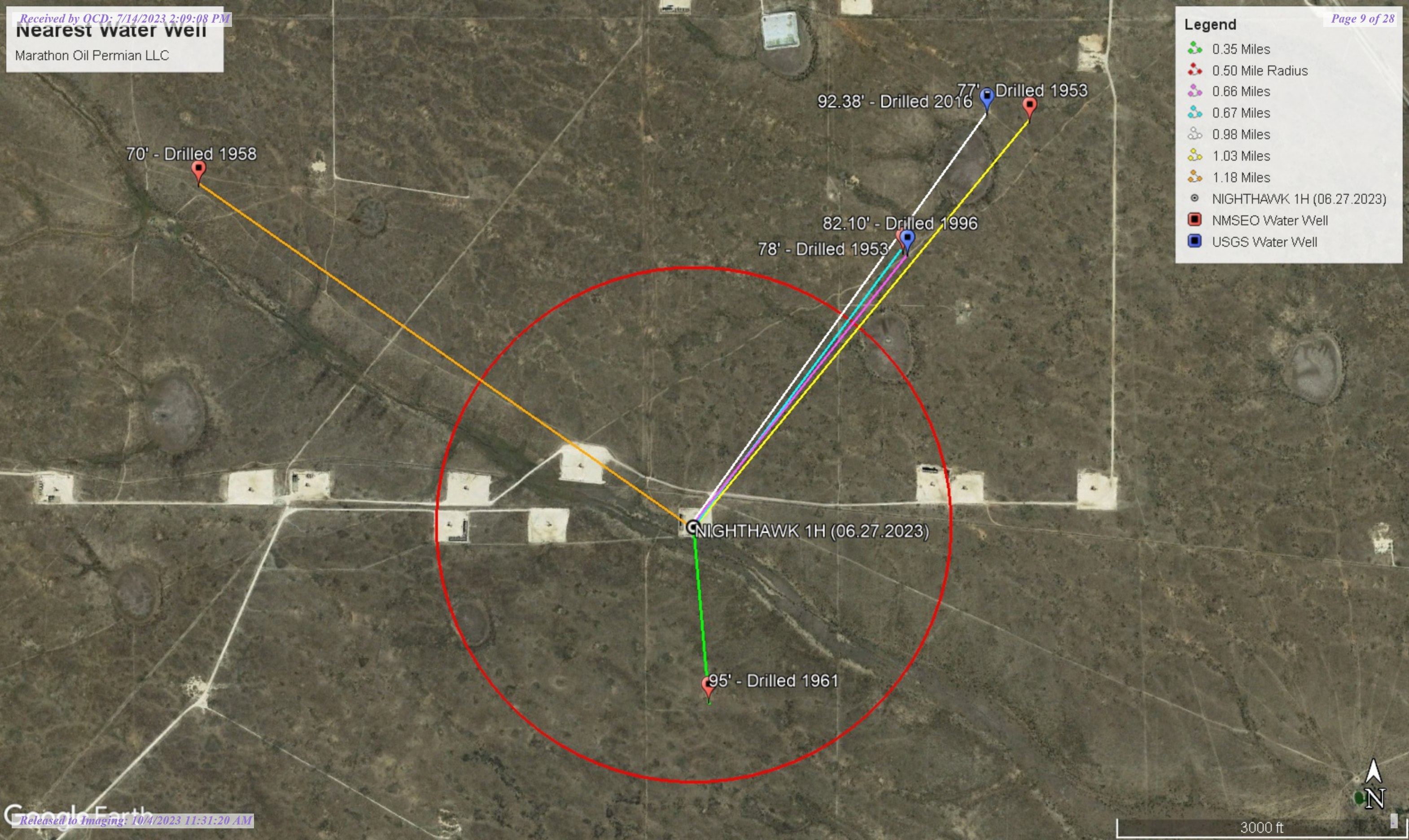
FIGURE 1

**Nearest water well**

Marathon Oil Permian LLC

**Legend**

- 0.35 Miles
- 0.50 Mile Radius
- 0.66 Miles
- 0.67 Miles
- 0.98 Miles
- 1.03 Miles
- 1.18 Miles
- NIGHTHAWK 1H (06.27.2023)
- NMSEO Water Well
- USGS Water Well



Low Karst

Marathon Oil Permian LLC

Legend



Low



NIGHTHAWK 1H (06.27.2023)

NIGHTHAWK 1H (06.27.2023)



4000 ft



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

| POD Number                   | POD Sub-Code | basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X      | Y        | Distance | Depth Well | Depth Water | Water Column |
|------------------------------|--------------|-------|--------|------|------|-----|-----|-----|-----|--------|----------|----------|------------|-------------|--------------|
| <a href="#">L 04562</a>      | L            | LE    |        | 3    | 1    | 29  | 18S | 35E |     | 641874 | 3621315* | 553      | 156        | 95          | 61           |
| <a href="#">L 02053</a>      | L            | LE    |        |      |      | 20  | 18S | 35E |     | 642464 | 3622723* | 1070     | 175        | 78          | 97           |
| <a href="#">L 07928</a>      | L            | LE    |        | 4    | 4    | 1   | 19  | 18S | 35E | 640639 | 3622915  | 1581     | 175        |             |              |
| <a href="#">L 02357</a>      | L            | LE    |        |      | 2    | 20  | 18S | 35E |     | 642855 | 3623137* | 1637     | 170        | 77          | 93           |
| <a href="#">L 03171</a>      | L            | LE    |        | 3    | 3    | 17  | 18S | 35E |     | 641835 | 3623734* | 1868     | 170        | 150         | 20           |
| <a href="#">L 03888</a>      | L            | LE    |        | 3    | 1    | 19  | 18S | 35E |     | 640253 | 3622912* | 1885     | 107        | 70          | 37           |
| <a href="#">L 12926 POD1</a> | L            | LE    |        | 2    | 2    | 3   | 25  | 18S | 34E | 639839 | 3621631  | 1996     | 182        | 117         | 65           |
| <a href="#">L 15235 POD1</a> | L            | LE    |        | 2    | 4    | 1   | 31  | 18S | 35E | 640696 | 3619795  | 2356     | 162        | 75          | 87           |
| <a href="#">L 03721</a>      | L            | LE    |        | 3    | 3    | 18  | 18S | 35E |     | 640241 | 3623717* | 2434     | 161        | 90          | 71           |
| <a href="#">L 09742</a>      | L            | LE    |        | 1    | 4    | 17  | 18S | 35E |     | 642474 | 3624312  | 2531     | 200        |             |              |
| <a href="#">L 02052</a>      | L            | LE    |        |      |      | 17  | 18S | 35E |     | 642438 | 3624337* | 2546     | 190        | 72          | 118          |
| <a href="#">L 05156</a>      | L            | LE    |        | 4    | 1    | 17  | 18S | 35E |     | 642224 | 3624545* | 2708     | 150        | 90          | 60           |
| <a href="#">L 02680</a>      | L            | LE    |        | 1    | 2    | 21  | 18S | 35E |     | 644257 | 3623357* | 2855     | 190        | 59          | 131          |
| <a href="#">L 02679</a>      | L            | LE    |        | 4    | 4    | 21  | 18S | 35E |     | 644680 | 3622151* | 2872     | 200        | 68          | 132          |
| <a href="#">L 02679</a>      | R            | L     | LE     | 4    | 4    | 21  | 18S | 35E |     | 644680 | 3622151* | 2872     | 200        | 68          | 132          |
| <a href="#">L 05444</a>      | L            | LE    |        | 4    | 3    | 32  | 18S | 35E |     | 642319 | 3618899* | 3008     | 80         | 58          | 22           |
| <a href="#">L 09588</a>      | L            | LE    |        | 4    | 3    | 4   | 16  | 18S | 35E | 644349 | 3623659* | 3098     | 155        | 84          | 71           |
| <a href="#">L 03772</a>      | L            | LE    |        | 2    | 2    | 21  | 18S | 35E |     | 644659 | 3623361* | 3206     | 130        | 60          | 70           |
| <a href="#">L 00493</a>      | L            | LE    |        | 1    | 2    | 1   | 05  | 19S | 35E | 642290 | 3618663  | 3236     | 100        |             |              |
| <a href="#">L 03866</a>      | L            | LE    |        | 3    | 3    | 22  | 18S | 35E |     | 645082 | 3622155* | 3272     | 127        | 65          | 62           |
| <a href="#">L 04399</a>      | L            | LE    |        | 3    | 3    | 22  | 18S | 35E |     | 645082 | 3622155* | 3272     | 90         | 75          | 15           |
| <a href="#">L 14371 POD1</a> | L            | LE    |        | 1    | 1    | 2   | 05  | 19S | 35E | 642616 | 3618661  | 3301     | 172        | 60          | 112          |
| <a href="#">L 14200 POD1</a> | L            | LE    |        | 2    | 2    | 2   | 05  | 19S | 35E | 642952 | 3618657  | 3402     | 180        | 60          | 120          |
| <a href="#">L 09762</a>      | L            | LE    |        | 3    | 3    | 33  | 18S | 35E |     | 643526 | 3618913* | 3409     | 160        | 80          | 80           |
| <a href="#">L 14200 POD2</a> | L            | LE    |        | 2    | 2    | 2   | 05  | 19S | 35E | 643291 | 3618631  | 3552     | 180        | 60          | 120          |
| <a href="#">L 09767</a>      | L            | LE    |        | 3    | 3    | 13  | 18S | 34E |     | 638636 | 3623688* | 3670     | 182        | 96          | 86           |

\*UTM location was derived from PLSS - see Help

(A CLW##### in the  
POD suffix indicates the  
POD has been replaced  
& no longer serves a  
water right file.)

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

| POD Number                   | POD Sub-Code | basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X      | Y        | Distance | Depth Well | Depth Water | Water Column |
|------------------------------|--------------|-------|--------|------|------|-----|-----|-----|-----|--------|----------|----------|------------|-------------|--------------|
| <a href="#">L 05810</a>      | L            | LE    |        | 2    | 3    | 22  | 18S | 35E |     | 645479 | 3622564* | 3723     | 145        | 95          | 50           |
| <a href="#">L 04794</a>      | L            | LE    |        |      | 4    | 07  | 18S | 35E |     | 641200 | 3625540* | 3726     | 150        | 95          | 55           |
| <a href="#">L 02349 POD3</a> | L            | LE    |        | 4    | 1    | 4   | 07  | 18S | 35E | 641225 | 3625573  | 3755     | 220        | 142         | 78           |
| <a href="#">L 02350</a>      | L            | LE    |        | 4    | 1    | 3   | 08  | 18S | 35E | 641897 | 3625650* | 3784     | 216        | 105         | 111          |
| <a href="#">L 05172</a>      | L            | LE    |        |      | 3    | 3   | 07  | 18S | 35E | 640214 | 3625331* | 3819     | 161        | 85          | 76           |
| <a href="#">L 06047</a>      | L            | LE    |        | 2    | 2    | 1   | 16  | 18S | 35E | 643927 | 3625066* | 3830     | 122        | 65          | 57           |
| <a href="#">L 02349 POD2</a> | L            | LE    |        | 4    | 1    | 4   | 07  | 18S | 35E | 641091 | 3625641* | 3845     | 214        | 85          | 129          |
| <a href="#">L 02349</a>      | R            | L     | LE     | 3    | 1    | 4   | 07  | 18S | 35E | 640891 | 3625641* | 3888     | 207        | 85          | 122          |
| <a href="#">L 09428</a>      | L            | LE    |        | 3    | 4    | 1   | 05  | 19S | 35E | 642231 | 3617997* | 3890     | 130        |             |              |
| <a href="#">L 04906</a>      | L            | LE    |        |      | 3    | 07  | 18S | 35E |     | 640415 | 3625532* | 3926     | 155        | 87          | 68           |
| <a href="#">L 02676</a>      | L            | LE    |        | 1    | 2    | 16  | 18S | 35E |     | 644231 | 3624972* | 3930     | 175        | 60          | 115          |
| <a href="#">L 03783</a>      | L            | LE    |        |      |      | 27  | 18S | 35E |     | 645710 | 3621138* | 3955     | 115        | 65          | 50           |

Average Depth to Water: **81 feet**

Minimum Depth: **58 feet**

Maximum Depth: **150 feet**

Record Count: 38

#### UTMNAD83 Radius Search (in meters):

**Easting (X):** 641822

**Northing (Y):** 3621866

**Radius:** 4000

\*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.

9/17/23 2:26 PM

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WATER COLUMN/ AVERAGE  
DEPTH TO WATER



# New Mexico Office of the State Engineer

## Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)  
 (quarters are smallest to largest) (NAD83 UTM in meters)

| Well Tag | POD Number | Q64 | Q16 | Q4 | Sec | Tws | Rng | X      | Y        |
|----------|------------|-----|-----|----|-----|-----|-----|--------|----------|
| L        | 04562      |     | 3   | 1  | 29  | 18S | 35E | 641874 | 3621315* |

x

**Driller License:** 111 **Driller Company:** BURKE, EDWARD B.

**Driller Name:**

**Drill Start Date:** 12/20/1960 **Drill Finish Date:** 12/21/1960 **Plug Date:** 01/17/1961

**Log File Date:** 12/29/1960 **PCW Rev Date:** **Source:** Shallow

**Pump Type:** **Pipe Discharge Size:** **Estimated Yield:**

**Casing Size:** 7.00 **Depth Well:** 156 feet **Depth Water:** 95 feet

x

| Water Bearing Stratifications: | Top | Bottom | Description                   |
|--------------------------------|-----|--------|-------------------------------|
|                                | 98  | 156    | Sandstone/Gravel/Conglomerate |

x

| Casing Perforations: | Top | Bottom |
|----------------------|-----|--------|
|                      | 110 | 154    |

x

\*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/TSC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

9/17/23 2:27 PM

POINT OF DIVERSION SUMMARY

|      |      |                                           |                        |                                                     |                                                                   |                                 |        |
|------|------|-------------------------------------------|------------------------|-----------------------------------------------------|-------------------------------------------------------------------|---------------------------------|--------|
| Date | Time | ?<br>Water-level<br>date-time<br>accuracy | ?<br>Parameter<br>code | Water<br>level,<br>feet<br>below<br>land<br>surface | Water<br>level,<br>feet<br>above<br>specific<br>vertical<br>datum | Referenced<br>vertical<br>datum | ?<br>S |
|      |      |                                           |                        | Groundwater                                         | New Mexico                                                        | GO                              |        |

Click to hide News Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

 Important: [Next Generation Monitoring Location Page](#)

## Search Results -- 1 sites found

Agency code = usgs

site\_no list =

- 324420103281501

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

## USGS 324420103281501 18S.35E.20.41111

Lea County, New Mexico

Latitude 32°43'59", Longitude 103°28'46" NAD27

Land-surface elevation 3,937.00 feet above NGVD29

The depth of the well is 175 feet below land surface.

This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.

This well is completed in the Ogallala Formation (121OGLL) local aquifer.

### Output formats

|                                    |
|------------------------------------|
| <a href="#">Table of data</a>      |
| <a href="#">Tab-separated data</a> |
| <a href="#">Graph of data</a>      |
| <a href="#">Reselect period</a>    |

| Date       | Time | ?<br>Water-level<br>date-time<br>accuracy | ?<br>Parameter<br>code | Water<br>level,<br>feet<br>below<br>land<br>surface | Water<br>level,<br>feet<br>above<br>specific<br>vertical<br>datum | Referenced<br>vertical<br>datum | ?<br>Status | ?<br>Method of<br>measurement | ?<br>Measuring<br>agency | ?<br>Source (measur |
|------------|------|-------------------------------------------|------------------------|-----------------------------------------------------|-------------------------------------------------------------------|---------------------------------|-------------|-------------------------------|--------------------------|---------------------|
| 1953-09-11 |      |                                           | D 62610                |                                                     | 3861.18                                                           | NGVD29                          | 1           |                               | Z                        |                     |
| 1953-09-11 |      |                                           | D 62611                |                                                     | 3862.74                                                           | NAVD88                          | 1           |                               | Z                        |                     |
| 1953-09-11 |      |                                           | D 72019                | 75.82                                               |                                                                   |                                 | 1           |                               | Z                        |                     |
| 1953-10-07 |      |                                           | D 62610                |                                                     | 3861.23                                                           | NGVD29                          | 1           |                               | Z                        |                     |
| 1953-10-07 |      |                                           | D 62611                |                                                     | 3862.79                                                           | NAVD88                          | 1           |                               | Z                        |                     |
| 1953-10-07 |      |                                           | D 72019                | 75.77                                               |                                                                   |                                 | 1           |                               | Z                        |                     |
| 1953-11-20 |      |                                           | D 62610                |                                                     | 3861.24                                                           | NGVD29                          | 1           |                               | Z                        |                     |
| 1953-11-20 |      |                                           | D 62611                |                                                     | 3862.80                                                           | NAVD88                          | 1           |                               | Z                        |                     |
| 1953-11-20 |      |                                           | D 72019                | 75.76                                               |                                                                   |                                 | 1           |                               | Z                        |                     |
| 1954-01-11 |      |                                           | D 62610                |                                                     | 3861.23                                                           | NGVD29                          | 1           |                               | Z                        |                     |
| 1954-01-11 |      |                                           | D 62611                |                                                     | 3862.79                                                           | NAVD88                          | 1           |                               | Z                        |                     |
| 1954-01-11 |      |                                           | D 72019                | 75.77                                               |                                                                   |                                 | 1           |                               | Z                        |                     |
| 1954-03-02 |      |                                           | D 62610                |                                                     | 3861.15                                                           | NGVD29                          | 1           |                               | Z                        |                     |
| 1954-03-02 |      |                                           | D 62611                |                                                     | 3862.71                                                           | NAVD88                          | 1           |                               | Z                        |                     |

| Date       | Time | Water-level<br>date-time<br>accuracy | Parameter<br>code | Water<br>level,<br>feet<br>below<br>land<br>surface | Water<br>level,<br>feet<br>above<br>specific<br>vertical<br>datum | Referenced<br>vertical<br>datum | S |
|------------|------|--------------------------------------|-------------------|-----------------------------------------------------|-------------------------------------------------------------------|---------------------------------|---|
| 1954-03-02 | D    | 72019                                | 75.85             |                                                     | 1                                                                 | Z                               |   |
| 1954-05-05 | D    | 62610                                | 3861.13           | NGVD29                                              | 1                                                                 | Z                               |   |
| 1954-05-05 | D    | 62611                                | 3862.69           | NAVD88                                              | 1                                                                 | Z                               |   |
| 1954-05-05 | D    | 72019                                | 75.87             |                                                     | 1                                                                 | Z                               |   |
| 1954-07-13 | D    | 62610                                | 3861.23           | NGVD29                                              | 1                                                                 | Z                               |   |
| 1954-07-13 | D    | 62611                                | 3862.79           | NAVD88                                              | 1                                                                 | Z                               |   |
| 1954-07-13 | D    | 72019                                | 75.77             |                                                     | 1                                                                 | Z                               |   |
| 1954-09-14 | D    | 62610                                | 3861.18           | NGVD29                                              | 1                                                                 | Z                               |   |
| 1954-09-14 | D    | 62611                                | 3862.74           | NAVD88                                              | 1                                                                 | Z                               |   |
| 1954-09-14 | D    | 72019                                | 75.82             |                                                     | 1                                                                 | Z                               |   |
| 1954-11-09 | D    | 62610                                | 3861.15           | NGVD29                                              | 1                                                                 | Z                               |   |
| 1954-11-09 | D    | 62611                                | 3862.71           | NAVD88                                              | 1                                                                 | Z                               |   |
| 1954-11-09 | D    | 72019                                | 75.85             |                                                     | 1                                                                 | Z                               |   |
| 1955-01-06 | D    | 62610                                | 3861.19           | NGVD29                                              | 1                                                                 | Z                               |   |
| 1955-01-06 | D    | 62611                                | 3862.75           | NAVD88                                              | 1                                                                 | Z                               |   |
| 1955-01-06 | D    | 72019                                | 75.81             |                                                     | 1                                                                 | Z                               |   |
| 1955-03-19 | D    | 62610                                | 3861.24           | NGVD29                                              | 1                                                                 | Z                               |   |
| 1955-03-19 | D    | 62611                                | 3862.80           | NAVD88                                              | 1                                                                 | Z                               |   |
| 1955-03-19 | D    | 72019                                | 75.76             |                                                     | 1                                                                 | Z                               |   |
| 1955-05-28 | D    | 62610                                | 3861.15           | NGVD29                                              | 1                                                                 | Z                               |   |
| 1955-05-28 | D    | 62611                                | 3862.71           | NAVD88                                              | 1                                                                 | Z                               |   |
| 1955-05-28 | D    | 72019                                | 75.85             |                                                     | 1                                                                 | Z                               |   |
| 1955-07-15 | D    | 62610                                | 3861.17           | NGVD29                                              | 1                                                                 | Z                               |   |
| 1955-07-15 | D    | 62611                                | 3862.73           | NAVD88                                              | 1                                                                 | Z                               |   |
| 1955-07-15 | D    | 72019                                | 75.83             |                                                     | 1                                                                 | Z                               |   |
| 1955-09-22 | D    | 62610                                | 3861.21           | NGVD29                                              | 1                                                                 | Z                               |   |
| 1955-09-22 | D    | 62611                                | 3862.77           | NAVD88                                              | 1                                                                 | Z                               |   |
| 1955-09-22 | D    | 72019                                | 75.79             |                                                     | 1                                                                 | Z                               |   |
| 1955-11-28 | D    | 62610                                | 3861.21           | NGVD29                                              | 1                                                                 | Z                               |   |
| 1955-11-28 | D    | 62611                                | 3862.77           | NAVD88                                              | 1                                                                 | Z                               |   |
| 1955-11-28 | D    | 72019                                | 75.79             |                                                     | 1                                                                 | Z                               |   |
| 1956-01-05 | D    | 62610                                | 3861.27           | NGVD29                                              | 1                                                                 | Z                               |   |
| 1956-01-05 | D    | 62611                                | 3862.83           | NAVD88                                              | 1                                                                 | Z                               |   |
| 1956-01-05 | D    | 72019                                | 75.73             |                                                     | 1                                                                 | Z                               |   |
| 1956-03-14 | D    | 62610                                | 3861.30           | NGVD29                                              | 1                                                                 | Z                               |   |
| 1956-03-14 | D    | 62611                                | 3862.86           | NAVD88                                              | 1                                                                 | Z                               |   |
| 1956-03-14 | D    | 72019                                | 75.70             |                                                     | 1                                                                 | Z                               |   |
| 1956-05-09 | D    | 62610                                | 3861.22           | NGVD29                                              | 1                                                                 | Z                               |   |
| 1956-05-09 | D    | 62611                                | 3862.78           | NAVD88                                              | 1                                                                 | Z                               |   |
| 1956-05-09 | D    | 72019                                | 75.78             |                                                     | 1                                                                 | Z                               |   |
| 1956-07-26 | D    | 62610                                | 3861.21           | NGVD29                                              | 1                                                                 | Z                               |   |
| 1956-07-26 | D    | 62611                                | 3862.77           | NAVD88                                              | 1                                                                 | Z                               |   |
| 1956-07-26 | D    | 72019                                | 75.79             |                                                     | 1                                                                 | Z                               |   |
| 1956-09-06 | D    | 62610                                | 3861.26           | NGVD29                                              | 1                                                                 | Z                               |   |
| 1956-09-06 | D    | 62611                                | 3862.82           | NAVD88                                              | 1                                                                 | Z                               |   |
| 1956-09-06 | D    | 72019                                | 75.74             |                                                     | 1                                                                 | Z                               |   |
| 1956-11-30 | D    | 62610                                | 3861.22           | NGVD29                                              | 1                                                                 | Z                               |   |
| 1956-11-30 | D    | 62611                                | 3862.78           | NAVD88                                              | 1                                                                 | Z                               |   |
| 1956-11-30 | D    | 72019                                | 75.78             |                                                     | 1                                                                 | Z                               |   |
| 1957-01-12 | D    | 62610                                | 3861.23           | NGVD29                                              | 1                                                                 | Z                               |   |

| Date       | Time | Water-level date-time accuracy | Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | Status |
|------------|------|--------------------------------|----------------|--------------------------------------|-------------------------------------------------|---------------------------|--------|
| 1957-01-12 | D    | 62611                          | 3862.79        | NAVD88                               | 1                                               | Z                         |        |
| 1957-01-12 | D    | 72019                          | 75.77          |                                      | 1                                               | Z                         |        |
| 1958-01-14 | D    | 62610                          | 3861.15        | NGVD29                               | 1                                               | Z                         |        |
| 1958-01-14 | D    | 62611                          | 3862.71        | NAVD88                               | 1                                               | Z                         |        |
| 1958-01-14 | D    | 72019                          | 75.85          |                                      | 1                                               | Z                         |        |
| 1960-01-15 | D    | 62610                          | 3861.20        | NGVD29                               | 1                                               | Z                         |        |
| 1960-01-15 | D    | 62611                          | 3862.76        | NAVD88                               | 1                                               | Z                         |        |
| 1960-01-15 | D    | 72019                          | 75.80          |                                      | 1                                               | Z                         |        |
| 1961-01-17 | D    | 62610                          | 3861.30        | NGVD29                               | 1                                               | Z                         |        |
| 1961-01-17 | D    | 62611                          | 3862.86        | NAVD88                               | 1                                               | Z                         |        |
| 1961-01-17 | D    | 72019                          | 75.70          |                                      | 1                                               | Z                         |        |
| 1962-01-16 | D    | 62610                          | 3861.14        | NGVD29                               | 1                                               | Z                         |        |
| 1962-01-16 | D    | 62611                          | 3862.70        | NAVD88                               | 1                                               | Z                         |        |
| 1962-01-16 | D    | 72019                          | 75.86          |                                      | 1                                               | Z                         |        |
| 1967-09-20 | D    | 62610                          | 3860.81        | NGVD29                               | 1                                               | Z                         |        |
| 1967-09-20 | D    | 62611                          | 3862.37        | NAVD88                               | 1                                               | Z                         |        |
| 1967-09-20 | D    | 72019                          | 76.19          |                                      | 1                                               | Z                         |        |
| 1971-01-20 | D    | 62610                          | 3860.51        | NGVD29                               | 1                                               | Z                         |        |
| 1971-01-20 | D    | 62611                          | 3862.07        | NAVD88                               | 1                                               | Z                         |        |
| 1971-01-20 | D    | 72019                          | 76.49          |                                      | 1                                               | Z                         |        |
| 1976-02-12 | D    | 62610                          | 3860.15        | NGVD29                               | 1                                               | Z                         |        |
| 1976-02-12 | D    | 62611                          | 3861.71        | NAVD88                               | 1                                               | Z                         |        |
| 1976-02-12 | D    | 72019                          | 76.85          |                                      | 1                                               | Z                         |        |
| 1981-03-13 | D    | 62610                          | 3859.10        | NGVD29                               | 1                                               | Z                         |        |
| 1981-03-13 | D    | 62611                          | 3860.66        | NAVD88                               | 1                                               | Z                         |        |
| 1981-03-13 | D    | 72019                          | 77.90          |                                      | 1                                               | Z                         |        |
| 1986-04-02 | D    | 62610                          | 3857.65        | NGVD29                               | 1                                               | Z                         |        |
| 1986-04-02 | D    | 62611                          | 3859.21        | NAVD88                               | 1                                               | Z                         |        |
| 1986-04-02 | D    | 72019                          | 79.35          |                                      | 1                                               | Z                         |        |
| 1991-03-15 | D    | 62610                          | 3857.80        | NGVD29                               | 1                                               | Z                         |        |
| 1991-03-15 | D    | 62611                          | 3859.36        | NAVD88                               | 1                                               | Z                         |        |
| 1991-03-15 | D    | 72019                          | 79.20          |                                      | 1                                               | Z                         |        |
| 1996-01-12 | D    | 62610                          | 3854.90        | NGVD29                               | 1                                               | S                         |        |
| 1996-01-12 | D    | 62611                          | 3856.46        | NAVD88                               | 1                                               | S                         |        |
| 1996-01-12 | D    | 72019                          | 82.10          |                                      | 1                                               | S                         |        |

## Explanation

| Section                        | Code   | Description                                   |
|--------------------------------|--------|-----------------------------------------------|
| Water-level date-time accuracy | D      | Date is accurate to the Day                   |
| Parameter code                 | 62610  | Groundwater level above NGVD 1929, feet       |
| Parameter code                 | 62611  | Groundwater level above NAVD 1988, feet       |
| Parameter code                 | 72019  | Depth to water level, feet below land surface |
| Referenced vertical datum      | NAVD88 | North American Vertical Datum of 1988         |
| Referenced vertical datum      | NGVD29 | National Geodetic Vertical Datum of 1929      |
| Status                         | 1      | Static                                        |
| Method of measurement          | S      | Steel-tape measurement.                       |
| Method of measurement          | Z      | Other.                                        |
| Measuring agency               |        | Not determined                                |

| Date | Time | ?<br>Water-level<br>date-time<br>accuracy | ?<br>Parameter<br>code | Water<br>level,<br>feet<br>below<br>land<br>surface | Water<br>level,<br>feet<br>above<br>specific<br>vertical<br>datum | Referenced<br>vertical<br>datum | ?<br>S |
|------|------|-------------------------------------------|------------------------|-----------------------------------------------------|-------------------------------------------------------------------|---------------------------------|--------|
|------|------|-------------------------------------------|------------------------|-----------------------------------------------------|-------------------------------------------------------------------|---------------------------------|--------|

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0.3 0.27 nadww02



# New Mexico Office of the State Engineer

## Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

|          |            |     |     |    |     |     |     |        |          |
|----------|------------|-----|-----|----|-----|-----|-----|--------|----------|
| Well Tag | POD Number | Q64 | Q16 | Q4 | Sec | Tws | Rng | X      | Y        |
|          | L 02053    |     |     |    | 20  | 18S | 35E | 642464 | 3622723* |

x

Driller License: 17

Driller Company: A.M. BRININSTOOL

Driller Name: M.I. SIGNER

Drill Start Date: 01/27/1953

Drill Finish Date: 02/13/1953

Plug Date:

Log File Date: 02/24/1953

PCW Rev Date:

Source: Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size: 12.00

Depth Well: 175 feet

Depth Water: 78 feet

|                                |     |        |                               |
|--------------------------------|-----|--------|-------------------------------|
| Water Bearing Stratifications: | Top | Bottom | Description                   |
|                                | 120 | 130    | Sandstone/Gravel/Conglomerate |

|                      |     |        |
|----------------------|-----|--------|
| Casing Perforations: | Top | Bottom |
|                      | 107 | 172    |

x

\*UTM location was derived from PLSS - see Help

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|      |      |                                           |                        |                                                     |                                                                   |                                 |        |
|------|------|-------------------------------------------|------------------------|-----------------------------------------------------|-------------------------------------------------------------------|---------------------------------|--------|
| Date | Time | ?<br>Water-level<br>date-time<br>accuracy | ?<br>Parameter<br>code | Water<br>level,<br>feet<br>below<br>land<br>surface | Water<br>level,<br>feet<br>above<br>specific<br>vertical<br>datum | Referenced<br>vertical<br>datum | ?<br>S |
|      |      |                                           |                        | Groundwater                                         | New Mexico                                                        | GO                              |        |

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Groundwater levels for New Mexico

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Agency code = usgs  
site\_no list =

- 324415103281501

Minimum number of levels = 1  
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USGS 324415103281501 18S.35E.20.21434

Lea County, New Mexico  
Latitude 32°44'13.3", Longitude 103°28'36.4" NAD83  
Land-surface elevation 3,933.00 feet above NGVD29  
The depth of the well is 170 feet below land surface.  
This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.  
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

|                                    |
|------------------------------------|
| <a href="#">Table of data</a>      |
| <a href="#">Tab-separated data</a> |
| <a href="#">Graph of data</a>      |
| <a href="#">Reselect period</a>    |

| Date       | Time | ?<br>Water-level<br>date-time<br>accuracy | ?<br>Parameter<br>code | Water<br>level,<br>feet<br>below<br>land<br>surface | Water<br>level,<br>feet<br>above<br>specific<br>vertical<br>datum | Referenced<br>vertical<br>datum | ?<br>Status | ?<br>Method of<br>measurement | ?<br>Measuring<br>agency | ?<br>Source<br>measur |
|------------|------|-------------------------------------------|------------------------|-----------------------------------------------------|-------------------------------------------------------------------|---------------------------------|-------------|-------------------------------|--------------------------|-----------------------|
| 1953-12-09 |      |                                           | D 62610                |                                                     | 3860.81                                                           | NGVD29                          | 1           |                               | Z                        |                       |
| 1953-12-09 |      |                                           | D 62611                |                                                     | 3862.36                                                           | NAVD88                          | 1           |                               | Z                        |                       |
| 1953-12-09 |      |                                           | D 72019                | 72.19                                               |                                                                   |                                 | 1           |                               | Z                        |                       |
| 1954-01-11 |      |                                           | D 62610                |                                                     | 3860.75                                                           | NGVD29                          | 1           |                               | Z                        |                       |
| 1954-01-11 |      |                                           | D 62611                |                                                     | 3862.30                                                           | NAVD88                          | 1           |                               | Z                        |                       |
| 1954-01-11 |      |                                           | D 72019                | 72.25                                               |                                                                   |                                 | 1           |                               | Z                        |                       |
| 1954-03-02 |      |                                           | D 62610                |                                                     | 3860.74                                                           | NGVD29                          | 1           |                               | Z                        |                       |
| 1954-03-02 |      |                                           | D 62611                |                                                     | 3862.29                                                           | NAVD88                          | 1           |                               | Z                        |                       |
| 1954-03-02 |      |                                           | D 72019                | 72.26                                               |                                                                   |                                 | 1           |                               | Z                        |                       |
| 1954-05-05 |      |                                           | D 62610                |                                                     | 3860.74                                                           | NGVD29                          | 1           |                               | Z                        |                       |
| 1954-05-05 |      |                                           | D 62611                |                                                     | 3862.29                                                           | NAVD88                          | 1           |                               | Z                        |                       |
| 1954-05-05 |      |                                           | D 72019                | 72.26                                               |                                                                   |                                 | 1           |                               | Z                        |                       |
| 1954-07-13 |      |                                           | D 62610                |                                                     | 3860.79                                                           | NGVD29                          | 1           |                               | Z                        |                       |
| 1954-07-13 |      |                                           | D 62611                |                                                     | 3862.34                                                           | NAVD88                          | 1           |                               | Z                        |                       |

| Date       | Time | Water-level date-time accuracy | Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ? |
|------------|------|--------------------------------|----------------|--------------------------------------|-------------------------------------------------|---------------------------|---|
| 1954-07-13 | D    | 72019                          | 72.21          |                                      | 1                                               | Z                         |   |
| 1954-09-14 | D    | 62610                          | 3860.78        | NGVD29                               | 1                                               | Z                         |   |
| 1954-09-14 | D    | 62611                          | 3862.33        | NAVD88                               | 1                                               | Z                         |   |
| 1954-09-14 | D    | 72019                          | 72.22          |                                      | 1                                               | Z                         |   |
| 1954-11-09 | D    | 62610                          | 3860.75        | NGVD29                               | 1                                               | Z                         |   |
| 1954-11-09 | D    | 62611                          | 3862.30        | NAVD88                               | 1                                               | Z                         |   |
| 1954-11-09 | D    | 72019                          | 72.25          |                                      | 1                                               | Z                         |   |
| 1955-01-06 | D    | 62610                          | 3860.77        | NGVD29                               | 1                                               | Z                         |   |
| 1955-01-06 | D    | 62611                          | 3862.32        | NAVD88                               | 1                                               | Z                         |   |
| 1955-01-06 | D    | 72019                          | 72.23          |                                      | 1                                               | Z                         |   |
| 1955-03-19 | D    | 62610                          | 3860.80        | NGVD29                               | 1                                               | Z                         |   |
| 1955-03-19 | D    | 62611                          | 3862.35        | NAVD88                               | 1                                               | Z                         |   |
| 1955-03-19 | D    | 72019                          | 72.20          |                                      | 1                                               | Z                         |   |
| 1955-05-28 | D    | 62610                          | 3860.74        | NGVD29                               | 1                                               | Z                         |   |
| 1955-05-28 | D    | 62611                          | 3862.29        | NAVD88                               | 1                                               | Z                         |   |
| 1955-05-28 | D    | 72019                          | 72.26          |                                      | 1                                               | Z                         |   |
| 1955-07-15 | D    | 62610                          | 3860.75        | NGVD29                               | 1                                               | Z                         |   |
| 1955-07-15 | D    | 62611                          | 3862.30        | NAVD88                               | 1                                               | Z                         |   |
| 1955-07-15 | D    | 72019                          | 72.25          |                                      | 1                                               | Z                         |   |
| 1955-09-22 | D    | 62610                          | 3860.79        | NGVD29                               | 1                                               | Z                         |   |
| 1955-09-22 | D    | 62611                          | 3862.34        | NAVD88                               | 1                                               | Z                         |   |
| 1955-09-22 | D    | 72019                          | 72.21          |                                      | 1                                               | Z                         |   |
| 1955-11-28 | D    | 62610                          | 3860.79        | NGVD29                               | 1                                               | Z                         |   |
| 1955-11-28 | D    | 62611                          | 3862.34        | NAVD88                               | 1                                               | Z                         |   |
| 1955-11-28 | D    | 72019                          | 72.21          |                                      | 1                                               | Z                         |   |
| 1956-01-05 | D    | 62610                          | 3860.82        | NGVD29                               | 1                                               | Z                         |   |
| 1956-01-05 | D    | 62611                          | 3862.37        | NAVD88                               | 1                                               | Z                         |   |
| 1956-01-05 | D    | 72019                          | 72.18          |                                      | 1                                               | Z                         |   |
| 1956-03-14 | D    | 62610                          | 3860.82        | NGVD29                               | 1                                               | Z                         |   |
| 1956-03-14 | D    | 62611                          | 3862.37        | NAVD88                               | 1                                               | Z                         |   |
| 1956-03-14 | D    | 72019                          | 72.18          |                                      | 1                                               | Z                         |   |
| 1956-05-09 | D    | 62610                          | 3860.78        | NGVD29                               | 1                                               | Z                         |   |
| 1956-05-09 | D    | 62611                          | 3862.33        | NAVD88                               | 1                                               | Z                         |   |
| 1956-05-09 | D    | 72019                          | 72.22          |                                      | 1                                               | Z                         |   |
| 1956-07-26 | D    | 62610                          | 3860.79        | NGVD29                               | 1                                               | Z                         |   |
| 1956-07-26 | D    | 62611                          | 3862.34        | NAVD88                               | 1                                               | Z                         |   |
| 1956-07-26 | D    | 72019                          | 72.21          |                                      | 1                                               | Z                         |   |
| 1956-09-06 | D    | 62610                          | 3860.79        | NGVD29                               | 1                                               | Z                         |   |
| 1956-09-06 | D    | 62611                          | 3862.34        | NAVD88                               | 1                                               | Z                         |   |
| 1956-09-06 | D    | 72019                          | 72.21          |                                      | 1                                               | Z                         |   |
| 1956-11-30 | D    | 62610                          | 3860.77        | NGVD29                               | 1                                               | Z                         |   |
| 1956-11-30 | D    | 62611                          | 3862.32        | NAVD88                               | 1                                               | Z                         |   |
| 1956-11-30 | D    | 72019                          | 72.23          |                                      | 1                                               | Z                         |   |
| 1957-01-12 | D    | 62610                          | 3860.76        | NGVD29                               | 1                                               | Z                         |   |
| 1957-01-12 | D    | 62611                          | 3862.31        | NAVD88                               | 1                                               | Z                         |   |
| 1957-01-12 | D    | 72019                          | 72.24          |                                      | 1                                               | Z                         |   |
| 1958-01-14 | D    | 62610                          | 3860.73        | NGVD29                               | 1                                               | Z                         |   |
| 1958-01-14 | D    | 62611                          | 3862.28        | NAVD88                               | 1                                               | Z                         |   |
| 1958-01-14 | D    | 72019                          | 72.27          |                                      | 1                                               | Z                         |   |
| 1960-01-15 | D    | 62610                          | 3860.83        | NGVD29                               | 1                                               | Z                         |   |

| Date       | Time | Water-level date-time accuracy | Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ? |
|------------|------|--------------------------------|----------------|--------------------------------------|-------------------------------------------------|---------------------------|---|
| 1960-01-15 | D    | 62611                          | 3862.38        | NAVD88                               | 1                                               | Z                         |   |
| 1960-01-15 | D    | 72019                          | 72.17          |                                      | 1                                               | Z                         |   |
| 1961-01-17 | D    | 62610                          | 3860.84        | NGVD29                               | 1                                               | Z                         |   |
| 1961-01-17 | D    | 62611                          | 3862.39        | NAVD88                               | 1                                               | Z                         |   |
| 1961-01-17 | D    | 72019                          | 72.16          |                                      | 1                                               | Z                         |   |
| 1962-01-16 | D    | 62610                          | 3860.74        | NGVD29                               | 1                                               | Z                         |   |
| 1962-01-16 | D    | 62611                          | 3862.29        | NAVD88                               | 1                                               | Z                         |   |
| 1962-01-16 | D    | 72019                          | 72.26          |                                      | 1                                               | Z                         |   |
| 1963-02-18 | D    | 62610                          | 3860.84        | NGVD29                               | 1                                               | Z                         |   |
| 1963-02-18 | D    | 62611                          | 3862.39        | NAVD88                               | 1                                               | Z                         |   |
| 1963-02-18 | D    | 72019                          | 72.16          |                                      | 1                                               | Z                         |   |
| 1964-02-10 | D    | 62610                          | 3860.71        | NGVD29                               | 1                                               | Z                         |   |
| 1964-02-10 | D    | 62611                          | 3862.26        | NAVD88                               | 1                                               | Z                         |   |
| 1964-02-10 | D    | 72019                          | 72.29          |                                      | 1                                               | Z                         |   |
| 1965-02-10 | D    | 62610                          | 3860.61        | NGVD29                               | 1                                               | Z                         |   |
| 1965-02-10 | D    | 62611                          | 3862.16        | NAVD88                               | 1                                               | Z                         |   |
| 1965-02-10 | D    | 72019                          | 72.39          |                                      | 1                                               | Z                         |   |
| 1966-02-07 | D    | 62610                          | 3860.51        | NGVD29                               | 1                                               | Z                         |   |
| 1966-02-07 | D    | 62611                          | 3862.06        | NAVD88                               | 1                                               | Z                         |   |
| 1966-02-07 | D    | 72019                          | 72.49          |                                      | 1                                               | Z                         |   |
| 1967-01-03 | D    | 62610                          | 3860.42        | NGVD29                               | 1                                               | Z                         |   |
| 1967-01-03 | D    | 62611                          | 3861.97        | NAVD88                               | 1                                               | Z                         |   |
| 1967-01-03 | D    | 72019                          | 72.58          |                                      | 1                                               | Z                         |   |
| 1968-01-02 | D    | 62610                          | 3860.24        | NGVD29                               | 1                                               | Z                         |   |
| 1968-01-02 | D    | 62611                          | 3861.79        | NAVD88                               | 1                                               | Z                         |   |
| 1968-01-02 | D    | 72019                          | 72.76          |                                      | 1                                               | Z                         |   |
| 1969-01-14 | D    | 62610                          | 3860.00        | NGVD29                               | 1                                               | Z                         |   |
| 1969-01-14 | D    | 62611                          | 3861.55        | NAVD88                               | 1                                               | Z                         |   |
| 1969-01-14 | D    | 72019                          | 73.00          |                                      | 1                                               | Z                         |   |
| 1970-01-05 | D    | 62610                          | 3859.73        | NGVD29                               | 1                                               | Z                         |   |
| 1970-01-05 | D    | 62611                          | 3861.28        | NAVD88                               | 1                                               | Z                         |   |
| 1970-01-05 | D    | 72019                          | 73.27          |                                      | 1                                               | Z                         |   |
| 1971-01-12 | D    | 62610                          | 3859.69        | NGVD29                               | 1                                               | Z                         |   |
| 1971-01-12 | D    | 62611                          | 3861.24        | NAVD88                               | 1                                               | Z                         |   |
| 1971-01-12 | D    | 72019                          | 73.31          |                                      | 1                                               | Z                         |   |
| 1971-01-20 | D    | 62610                          | 3859.70        | NGVD29                               | 1                                               | Z                         |   |
| 1971-01-20 | D    | 62611                          | 3861.25        | NAVD88                               | 1                                               | Z                         |   |
| 1971-01-20 | D    | 72019                          | 73.30          |                                      | 1                                               | Z                         |   |
| 1972-01-12 | D    | 62610                          | 3859.55        | NGVD29                               | 1                                               | Z                         |   |
| 1972-01-12 | D    | 62611                          | 3861.10        | NAVD88                               | 1                                               | Z                         |   |
| 1972-01-12 | D    | 72019                          | 73.45          |                                      | 1                                               | Z                         |   |
| 1973-01-09 | D    | 62610                          | 3859.42        | NGVD29                               | 1                                               | Z                         |   |
| 1973-01-09 | D    | 62611                          | 3860.97        | NAVD88                               | 1                                               | Z                         |   |
| 1973-01-09 | D    | 72019                          | 73.58          |                                      | 1                                               | Z                         |   |
| 1974-01-08 | D    | 62610                          | 3859.27        | NGVD29                               | 1                                               | Z                         |   |
| 1974-01-08 | D    | 62611                          | 3860.82        | NAVD88                               | 1                                               | Z                         |   |
| 1974-01-08 | D    | 72019                          | 73.73          |                                      | 1                                               | Z                         |   |
| 1975-01-08 | D    | 62610                          | 3859.64        | NGVD29                               | 1                                               | Z                         |   |
| 1975-01-08 | D    | 62611                          | 3861.19        | NAVD88                               | 1                                               | Z                         |   |
| 1975-01-08 | D    | 72019                          | 73.36          |                                      | 1                                               | Z                         |   |

| Date                 | Time | Water-level<br>date-time<br>accuracy | Parameter<br>code | Water<br>level,<br>feet<br>below<br>land<br>surface | Water<br>level,<br>feet<br>above<br>specific<br>vertical<br>datum | Referenced<br>vertical<br>datum | ? |
|----------------------|------|--------------------------------------|-------------------|-----------------------------------------------------|-------------------------------------------------------------------|---------------------------------|---|
| 1976-01-13           |      | D                                    | 62610             | 3859.32                                             | NGVD29                                                            | 1                               | Z |
| 1976-01-13           |      | D                                    | 62611             | 3860.87                                             | NAVD88                                                            | 1                               | Z |
| 1976-01-13           |      | D                                    | 72019             | 73.68                                               |                                                                   | 1                               | Z |
| 1976-02-12           |      | D                                    | 62610             | 3859.27                                             | NGVD29                                                            | 1                               | Z |
| 1976-02-12           |      | D                                    | 62611             | 3860.82                                             | NAVD88                                                            | 1                               | Z |
| 1976-02-12           |      | D                                    | 72019             | 73.73                                               |                                                                   | 1                               | Z |
| 1977-01-08           |      | D                                    | 62610             | 3859.13                                             | NGVD29                                                            | 1                               | Z |
| 1977-01-08           |      | D                                    | 62611             | 3860.68                                             | NAVD88                                                            | 1                               | Z |
| 1977-01-08           |      | D                                    | 72019             | 73.87                                               |                                                                   | 1                               | Z |
| 1981-01-06           |      | D                                    | 62610             | 3857.88                                             | NGVD29                                                            | 1                               | Z |
| 1981-01-06           |      | D                                    | 62611             | 3859.43                                             | NAVD88                                                            | 1                               | Z |
| 1981-01-06           |      | D                                    | 72019             | 75.12                                               |                                                                   | 1                               | Z |
| 1982-01-06           |      | D                                    | 62610             | 3857.57                                             | NGVD29                                                            | 1                               | Z |
| 1982-01-06           |      | D                                    | 62611             | 3859.12                                             | NAVD88                                                            | 1                               | Z |
| 1982-01-06           |      | D                                    | 72019             | 75.43                                               |                                                                   | 1                               | Z |
| 1983-01-04           |      | D                                    | 62610             | 3857.09                                             | NGVD29                                                            | 1                               | Z |
| 1983-01-04           |      | D                                    | 62611             | 3858.64                                             | NAVD88                                                            | 1                               | Z |
| 1983-01-04           |      | D                                    | 72019             | 75.91                                               |                                                                   | 1                               | Z |
| 1984-01-05           |      | D                                    | 62610             | 3856.62                                             | NGVD29                                                            | 1                               | Z |
| 1984-01-05           |      | D                                    | 62611             | 3858.17                                             | NAVD88                                                            | 1                               | Z |
| 1984-01-05           |      | D                                    | 72019             | 76.38                                               |                                                                   | 1                               | Z |
| 1985-01-08           |      | D                                    | 62610             | 3856.22                                             | NGVD29                                                            | 1                               | Z |
| 1985-01-08           |      | D                                    | 62611             | 3857.77                                             | NAVD88                                                            | 1                               | Z |
| 1985-01-08           |      | D                                    | 72019             | 76.78                                               |                                                                   | 1                               | Z |
| 1986-01-08           |      | D                                    | 62610             | 3855.93                                             | NGVD29                                                            | 1                               | Z |
| 1986-01-08           |      | D                                    | 62611             | 3857.48                                             | NAVD88                                                            | 1                               | Z |
| 1986-01-08           |      | D                                    | 72019             | 77.07                                               |                                                                   | 1                               | Z |
| 1987-01-06           |      | D                                    | 62610             | 3855.72                                             | NGVD29                                                            | 1                               | Z |
| 1987-01-06           |      | D                                    | 62611             | 3857.27                                             | NAVD88                                                            | 1                               | Z |
| 1987-01-06           |      | D                                    | 72019             | 77.28                                               |                                                                   | 1                               | Z |
| 1988-01-07           |      | D                                    | 62610             | 3855.49                                             | NGVD29                                                            | 1                               | Z |
| 1988-01-07           |      | D                                    | 62611             | 3857.04                                             | NAVD88                                                            | 1                               | Z |
| 1988-01-07           |      | D                                    | 72019             | 77.51                                               |                                                                   | 1                               | Z |
| 1989-01-07           |      | D                                    | 62610             | 3855.18                                             | NGVD29                                                            | 1                               | Z |
| 1989-01-07           |      | D                                    | 62611             | 3856.73                                             | NAVD88                                                            | 1                               | Z |
| 1989-01-07           |      | D                                    | 72019             | 77.82                                               |                                                                   | 1                               | Z |
| 1990-01-02           |      | D                                    | 62610             | 3855.20                                             | NGVD29                                                            | 1                               | Z |
| 1990-01-02           |      | D                                    | 62611             | 3856.75                                             | NAVD88                                                            | 1                               | Z |
| 1990-01-02           |      | D                                    | 72019             | 77.80                                               |                                                                   | 1                               | Z |
| 1991-01-02           |      | D                                    | 62610             | 3854.48                                             | NGVD29                                                            | 1                               | Z |
| 1991-01-02           |      | D                                    | 62611             | 3856.03                                             | NAVD88                                                            | 1                               | Z |
| 1991-01-02           |      | D                                    | 72019             | 78.52                                               |                                                                   | 1                               | Z |
| 1991-03-15           |      | D                                    | 62610             | 3854.69                                             | NGVD29                                                            | 1                               | Z |
| 1991-03-15           |      | D                                    | 62611             | 3856.24                                             | NAVD88                                                            | 1                               | Z |
| 1991-03-15           |      | D                                    | 72019             | 78.31                                               |                                                                   | 1                               | Z |
| 1992-01-06 18:18 UTC | m    | 62610                                | 3854.43           | NGVD29                                              | 1                                                                 | Z                               |   |
| 1992-01-06 18:18 UTC | m    | 62611                                | 3855.98           | NAVD88                                              | 1                                                                 | Z                               |   |
| 1992-01-06 18:18 UTC | m    | 72019                                | 78.57             |                                                     | 1                                                                 | Z                               |   |
| 1993-01-04           |      | D                                    | 62610             | 3854.01                                             | NGVD29                                                            | 1                               | Z |
| 1993-01-04           |      | D                                    | 62611             | 3855.56                                             | NAVD88                                                            | 1                               | Z |

| Date                 | Time | Water-level<br>date-time<br>accuracy | Parameter<br>code | Water<br>level,<br>feet<br>below<br>land<br>surface | Water<br>level,<br>feet<br>above<br>specific<br>vertical<br>datum | Referenced<br>vertical<br>datum |      |
|----------------------|------|--------------------------------------|-------------------|-----------------------------------------------------|-------------------------------------------------------------------|---------------------------------|------|
| 1993-01-04           |      | D                                    | 72019             | 78.99                                               |                                                                   | 1                               | Z    |
| 1994-01-08           |      | D                                    | 62610             | 3853.45                                             | NGVD29                                                            | 1                               | Z    |
| 1994-01-08           |      | D                                    | 62611             | 3855.00                                             | NAVD88                                                            | 1                               | Z    |
| 1994-01-08           |      | D                                    | 72019             | 79.55                                               |                                                                   | 1                               | Z    |
| 1995-01-03           |      | D                                    | 62610             | 3853.09                                             | NGVD29                                                            | 1                               | S    |
| 1995-01-03           |      | D                                    | 62611             | 3854.64                                             | NAVD88                                                            | 1                               | S    |
| 1995-01-03           |      | D                                    | 72019             | 79.91                                               |                                                                   | 1                               | S    |
| 1996-01-12           |      | D                                    | 62610             | 3852.53                                             | NGVD29                                                            | 1                               | S    |
| 1996-01-12           |      | D                                    | 62611             | 3854.08                                             | NAVD88                                                            | 1                               | S    |
| 1996-01-12           |      | D                                    | 72019             | 80.47                                               |                                                                   | 1                               | S    |
| 2000-01-03           |      | D                                    | 62610             | 3850.21                                             | NGVD29                                                            | 1                               | S    |
| 2000-01-03           |      | D                                    | 62611             | 3851.76                                             | NAVD88                                                            | 1                               | S    |
| 2000-01-03           |      | D                                    | 72019             | 82.79                                               |                                                                   | 1                               | S    |
| 2001-01-03           |      | D                                    | 62610             | 3849.70                                             | NGVD29                                                            | 1                               | S    |
| 2001-01-03           |      | D                                    | 62611             | 3851.25                                             | NAVD88                                                            | 1                               | S    |
| 2001-01-03           |      | D                                    | 72019             | 83.30                                               |                                                                   | 1                               | S    |
| 2002-01-03           |      | D                                    | 62610             | 3849.13                                             | NGVD29                                                            | 1                               | S    |
| 2002-01-03           |      | D                                    | 62611             | 3850.68                                             | NAVD88                                                            | 1                               | S    |
| 2002-01-03           |      | D                                    | 72019             | 83.87                                               |                                                                   | 1                               | S    |
| 2003-01-05           |      | D                                    | 62610             | 3848.52                                             | NGVD29                                                            | 1                               | S    |
| 2003-01-05           |      | D                                    | 62611             | 3850.07                                             | NAVD88                                                            | 1                               | S    |
| 2003-01-05           |      | D                                    | 72019             | 84.48                                               |                                                                   | 1                               | S    |
| 2004-01-08           |      | D                                    | 62610             | 3847.83                                             | NGVD29                                                            | 1                               | S    |
| 2004-01-08           |      | D                                    | 62611             | 3849.38                                             | NAVD88                                                            | 1                               | S    |
| 2004-01-08           |      | D                                    | 72019             | 85.17                                               |                                                                   | 1                               | S    |
| 2005-01-04 17:48 UTC | m    | 62610                                | 3847.43           | NGVD29                                              | 1                                                                 | S                               | USGS |
| 2005-01-04 17:48 UTC | m    | 62611                                | 3848.98           | NAVD88                                              | 1                                                                 | S                               | USGS |
| 2005-01-04 17:48 UTC | m    | 72019                                | 85.57             |                                                     | 1                                                                 | S                               | USGS |
| 2006-01-09 17:40 UTC | m    | 62610                                | 3847.09           | NGVD29                                              | 1                                                                 | S                               | USGS |
| 2006-01-09 17:40 UTC | m    | 62611                                | 3848.64           | NAVD88                                              | 1                                                                 | S                               | USGS |
| 2006-01-09 17:40 UTC | m    | 72019                                | 85.91             |                                                     | 1                                                                 | S                               | USGS |
| 2007-12-17 21:25 UTC | m    | 62610                                | 3846.50           | NGVD29                                              | P                                                                 | S                               | USGS |
| 2007-12-17 21:25 UTC | m    | 62611                                | 3848.05           | NAVD88                                              | P                                                                 | S                               | USGS |
| 2007-12-17 21:25 UTC | m    | 72019                                | 86.50             |                                                     | P                                                                 | S                               | USGS |
| 2008-12-16 17:40 UTC | m    | 62610                                | 3845.97           | NGVD29                                              | 1                                                                 | S                               | USGS |
| 2008-12-16 17:40 UTC | m    | 62611                                | 3847.52           | NAVD88                                              | 1                                                                 | S                               | USGS |
| 2008-12-16 17:40 UTC | m    | 72019                                | 87.03             |                                                     | 1                                                                 | S                               | USGS |
| 2011-12-20 23:00 UTC | m    | 62610                                | 3844.63           | NGVD29                                              | 1                                                                 | S                               | USGS |
| 2011-12-20 23:00 UTC | m    | 62611                                | 3846.18           | NAVD88                                              | 1                                                                 | S                               | USGS |
| 2011-12-20 23:00 UTC | m    | 72019                                | 88.37             |                                                     | 1                                                                 | S                               | USGS |
| 2013-12-12 16:30 UTC | m    | 62610                                | 3834.66           | NGVD29                                              | 1                                                                 | S                               | USGS |
| 2013-12-12 16:30 UTC | m    | 62611                                | 3836.21           | NAVD88                                              | 1                                                                 | S                               | USGS |
| 2013-12-12 16:30 UTC | m    | 72019                                | 98.34             |                                                     | 1                                                                 | S                               | USGS |
| 2015-01-07 17:50 UTC | m    | 62610                                | 3834.48           | NGVD29                                              | 1                                                                 | S                               | USGS |
| 2015-01-07 17:50 UTC | m    | 62611                                | 3836.03           | NAVD88                                              | 1                                                                 | S                               | USGS |
| 2015-01-07 17:50 UTC | m    | 72019                                | 98.52             |                                                     | 1                                                                 | S                               | USGS |
| 2016-01-08 17:48 UTC | m    | 62610                                | 3840.62           | NGVD29                                              | 1                                                                 | V                               | USGS |
| 2016-01-08 17:48 UTC | m    | 62611                                | 3842.17           | NAVD88                                              | 1                                                                 | V                               | USGS |
| 2016-01-08 17:48 UTC | m    | 72019                                | 92.38             |                                                     | 1                                                                 | V                               | USGS |

| Date                        | Time | ?<br>Water-level<br>date-time<br>accuracy | ?<br>Parameter<br>code                                       | Water<br>level,<br>feet<br>below<br>land<br>surface | Water<br>level,<br>feet<br>above<br>specific<br>vertical<br>datum | Referenced<br>vertical<br>datum | ?<br>S |
|-----------------------------|------|-------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------|-------------------------------------------------------------------|---------------------------------|--------|
| Parameter code              |      | 62610                                     | Groundwater level above NGVD 1929, feet                      |                                                     |                                                                   |                                 |        |
| Parameter code              |      | 62611                                     | Groundwater level above NAVD 1988, feet                      |                                                     |                                                                   |                                 |        |
| Parameter code              |      | 72019                                     | Depth to water level, feet below land surface                |                                                     |                                                                   |                                 |        |
| Referenced vertical datum   |      | NAVD88                                    | North American Vertical Datum of 1988                        |                                                     |                                                                   |                                 |        |
| Referenced vertical datum   |      | NGVD29                                    | National Geodetic Vertical Datum of 1929                     |                                                     |                                                                   |                                 |        |
| Status                      |      | 1                                         | Static                                                       |                                                     |                                                                   |                                 |        |
| Status                      |      | P                                         | Pumping                                                      |                                                     |                                                                   |                                 |        |
| Method of measurement       |      | S                                         | Steel-tape measurement.                                      |                                                     |                                                                   |                                 |        |
| Method of measurement       |      | V                                         | Calibrated electric-tape measurement.                        |                                                     |                                                                   |                                 |        |
| Method of measurement       |      | Z                                         | Other.                                                       |                                                     |                                                                   |                                 |        |
| Measuring agency            |      |                                           | Not determined                                               |                                                     |                                                                   |                                 |        |
| Measuring agency            |      | USGS                                      | U.S. Geological Survey                                       |                                                     |                                                                   |                                 |        |
| Source of measurement       |      |                                           | Not determined                                               |                                                     |                                                                   |                                 |        |
| Source of measurement       |      | S                                         | Measured by personnel of reporting agency.                   |                                                     |                                                                   |                                 |        |
| Water-level approval status |      | A                                         | Approved for publication -- Processing and review completed. |                                                     |                                                                   |                                 |        |

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# New Mexico Office of the State Engineer

## Point of Diversion Summary

|                                |            |                                    |     |                      |        |                                    |                |        |                  |                                                                                     |         |  |  |
|--------------------------------|------------|------------------------------------|-----|----------------------|--------|------------------------------------|----------------|--------|------------------|-------------------------------------------------------------------------------------|---------|--|--|
|                                |            | (quarters are 1=NW 2=NE 3=SW 4=SE) |     |                      |        | (quarters are smallest to largest) |                |        |                  | (NAD83 UTM in meters)                                                               |         |  |  |
| Well Tag                       | POD Number | Q64                                | Q16 | Q4                   | Sec    | Tws                                | Rng            | X      | Y                |                                                                                     |         |  |  |
| L                              | 02357      |                                    |     | 2                    | 20     | 18S                                | 35E            | 642855 | 3623137*         |  |         |  |  |
| x                              |            |                                    |     |                      |        |                                    |                |        |                  |                                                                                     |         |  |  |
| Driller License:               |            | 30                                 |     | Driller Company:     |        |                                    | BARRON, EMMETT |        |                  |                                                                                     |         |  |  |
| Driller Name:                  |            | E. BARRON                          |     |                      |        |                                    |                |        |                  |                                                                                     |         |  |  |
| Drill Start Date:              |            | 11/02/1953                         |     | Drill Finish Date:   |        |                                    | 12/02/1953     |        | Plug Date:       |                                                                                     |         |  |  |
| Log File Date:                 |            | 12/17/1953                         |     | PCW Rcv Date:        |        |                                    |                |        | Source:          |                                                                                     | Shallow |  |  |
| Pump Type:                     |            |                                    |     | Pipe Discharge Size: |        |                                    |                |        | Estimated Yield: |                                                                                     |         |  |  |
| Casing Size:                   |            | 12.00                              |     | Depth Well:          |        |                                    | 170 feet       |        | Depth Water:     |                                                                                     | 77 feet |  |  |
| x                              |            |                                    |     |                      |        |                                    |                |        |                  |                                                                                     |         |  |  |
| Water Bearing Stratifications: |            |                                    |     | Top                  | Bottom | Description                        |                |        |                  |                                                                                     |         |  |  |
|                                |            |                                    |     | 125                  | 135    | Sandstone/Gravel/Conglomerate      |                |        |                  |                                                                                     |         |  |  |
| x                              |            |                                    |     |                      |        |                                    |                |        |                  |                                                                                     |         |  |  |
| Casing Perforations:           |            |                                    |     | Top                  | Bottom |                                    |                |        |                  |                                                                                     |         |  |  |
|                                |            |                                    |     | 100                  | 165    |                                    |                |        |                  |                                                                                     |         |  |  |
| x                              |            |                                    |     |                      |        |                                    |                |        |                  |                                                                                     |         |  |  |

\*UTM location was derived from PLSS - see Help

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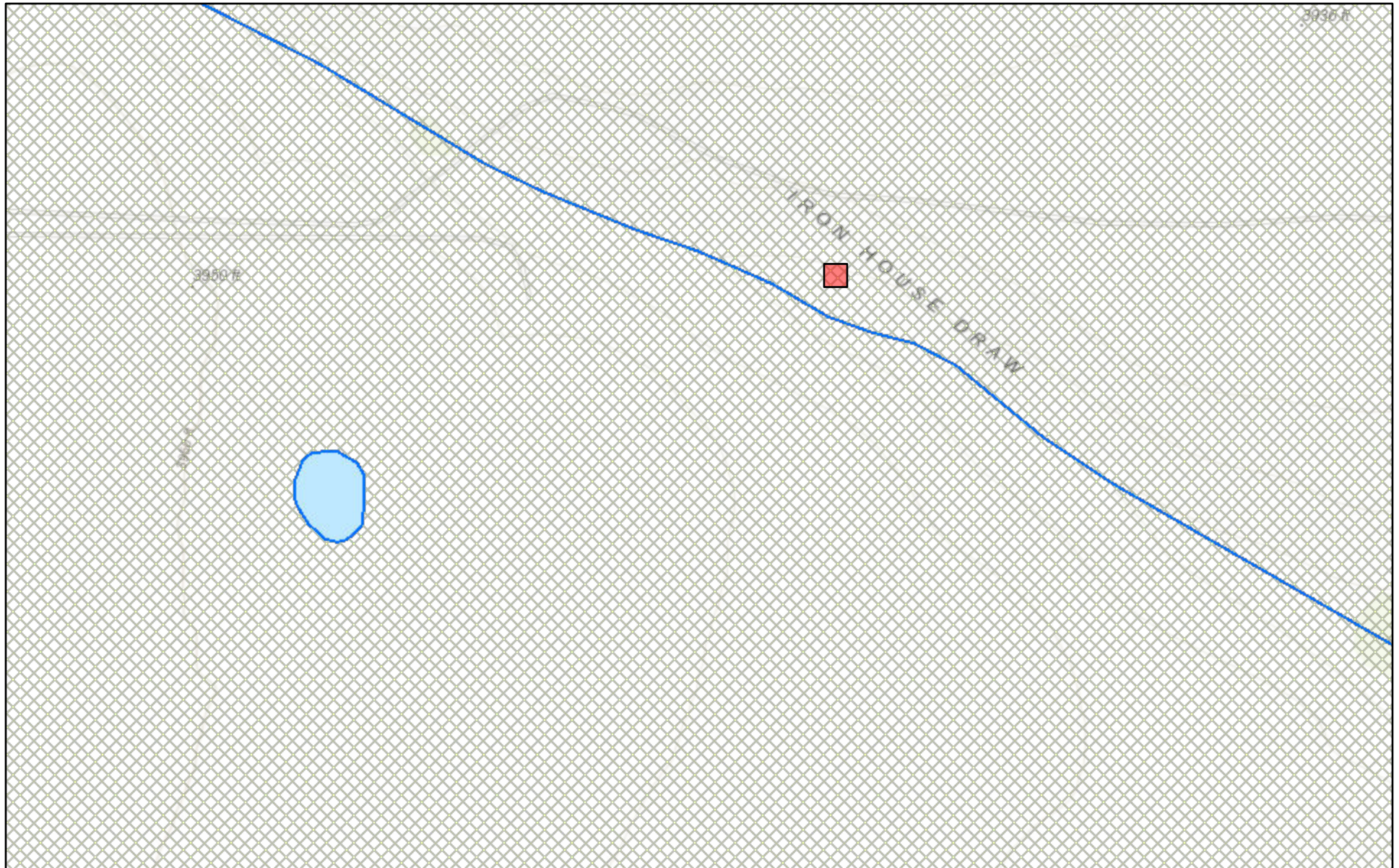
## Point of Diversion Summary

|                                |            |                                    |     |     |        |                                    |     |                  |          |                                                                                     |  |
|--------------------------------|------------|------------------------------------|-----|-----|--------|------------------------------------|-----|------------------|----------|-------------------------------------------------------------------------------------|--|
|                                |            | (quarters are 1=NW 2=NE 3=SW 4=SE) |     |     |        | (quarters are smallest to largest) |     |                  |          | (NAD83 UTM in meters)                                                               |  |
| Well Tag                       | POD Number | Q64                                | Q16 | Q4  | Sec    | Tws                                | Rng | X                | Y        |                                                                                     |  |
| L                              | 03888      |                                    | 3   | 1   | 19     | 18S                                | 35E | 640253           | 3622912* |  |  |
| x                              |            |                                    |     |     |        |                                    |     |                  |          |                                                                                     |  |
| Driller License: 99            |            | Driller Company:                   |     |     |        | O.R. MUSSELWHITE WATER WELL SE     |     |                  |          |                                                                                     |  |
| Driller Name:                  |            |                                    |     |     |        |                                    |     |                  |          |                                                                                     |  |
| Drill Start Date: 06/06/1958   |            | Drill Finish Date:                 |     |     |        | 06/06/1958                         |     | Plug Date:       |          |                                                                                     |  |
| Log File Date: 06/12/1958      |            | PCW Rcv Date:                      |     |     |        |                                    |     | Source:          |          | Shallow                                                                             |  |
| Pump Type:                     |            | Pipe Discharge Size:               |     |     |        |                                    |     | Estimated Yield: |          |                                                                                     |  |
| Casing Size: 5.50              |            | Depth Well:                        |     |     |        | 107 feet                           |     | Depth Water:     |          | 70 feet                                                                             |  |
| x                              |            |                                    |     |     |        |                                    |     |                  |          |                                                                                     |  |
| Water Bearing Stratifications: |            |                                    |     | Top | Bottom | Description                        |     |                  |          |                                                                                     |  |
|                                |            |                                    |     | 85  | 105    | Sandstone/Gravel/Conglomerate      |     |                  |          |                                                                                     |  |
| x                              |            |                                    |     |     |        |                                    |     |                  |          |                                                                                     |  |
| Casing Perforations:           |            |                                    |     | Top | Bottom |                                    |     |                  |          |                                                                                     |  |
|                                |            |                                    |     | 70  | 107    |                                    |     |                  |          |                                                                                     |  |
| x                              |            |                                    |     |     |        |                                    |     |                  |          |                                                                                     |  |

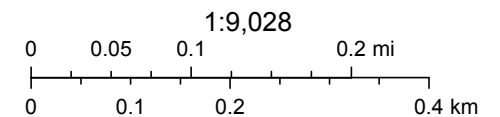
\*UTM location was derived from PLSS - see Help

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

# New Mexico NFHL Data



September 17, 2023



FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

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

CONDITIONS  
  
Action 240549

CONDITIONS

|                                                                                        |                                                           |
|----------------------------------------------------------------------------------------|-----------------------------------------------------------|
| Operator:<br>MARATHON OIL PERMIAN LLC<br>990 Town & Country Blvd.<br>Houston, TX 77024 | OGRID:<br>372098                                          |
|                                                                                        | Action Number:<br>240549                                  |
|                                                                                        | Action Type:<br>[C-141] Release Corrective Action (C-141) |

CONDITIONS

|            |           |                |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| scwells    | None      | 10/4/2023      |