

**UICI – 8 - 4**

**MECHANICAL  
INTEGRITY TEST  
(MITs)**

Submit 1 Copy To Appropriate District Office  
 District I -- (575) 393-6161  
 1625 N. French Dr., Hobbs, NM 88240  
 District II -- (575) 748-1283  
 811 S. First St., Artesia, NM 88210  
 District III -- (505) 334-6178  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV -- (505) 476-3460  
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources

Form C-103  
 Revised July 18, 2013

OIL CONSERVATION DIVISION  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

|  |
|--|
| WELL API NO.<br>30-015-44677   |
| 5. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No.   |
| 7. Lease Name or Unit Agreement Name   |
| 8. Well Number: WDW-4  |
| 9. OGRID Number: 15694   |
| 10. Pool name or Wildcat:  |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>3565                               |

**SUNDRY NOTICES AND REPORTS ON WELLS**  
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well  Gas Well  Other: INJ-DIS

2. Name of Operator  
HOLLYFRONTIER NAVAJO REFINING LLC

3. Address of Operator  
501 EAST MAIN STREET, ARTESIA, NEW MEXICO 88210

4. Well Location  
 Unit Letter: N 1217 feet from the SOUTH line and 2443 feet from the WEST line  
 Section: 23 Township: 17S Range: 27E NMPM County: EDDY

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

|  |   |  |  |
|--|---|--|--|
| <b>NOTICE OF INTENTION TO:</b>                 |   | <b>SUBSEQUENT REPORT OF:</b>                     |  |
| PERFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/>           | ALTERING CASING <input type="checkbox"/> |
| TEMPORARILY ABANDON <input type="checkbox"/>   | CHANGE PLANS <input type="checkbox"/>     | COMMENCE DRILLING OPNS. <input type="checkbox"/> | P AND A <input type="checkbox"/>         |
| PULL OR ALTER CASING <input type="checkbox"/>  | MULTIPLE COMPL <input type="checkbox"/>   | CASING/CEMENT JOB <input type="checkbox"/>       |  |
| DOWNHOLE COMMINGLE <input type="checkbox"/>    |   |  |  |
| CLOSED-LOOP SYSTEM <input type="checkbox"/>    |   |  |  |
| OTHER: MIT TEST <input type="checkbox"/>       |   | OTHER: <input type="checkbox"/>                  |  |

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.  
 Test can be performed 12/3/2018 at 10 am.  
 (1) Will rig up and perform a MIT on WDW-4 annulus at a minimum of 500 psig for 30 minutes.  
 (2) Will notify OCD in order to witness test.

Spud Date:  Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Lewis R. Dade TITLE Env. Specialist DATE: 11/29/2018

Type or print name Lewis R. Dade E-mail address: Lewis.Dade@hollyfrontier.com PHONE: 575-703-4735

**For State Use Only**

APPROVED BY: [Signature] TITLE Environmental Engineer DATE 11/29/2018  
 Conditions of Approval (if any):

## Chavez, Carl J, EMNRD

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**From:** Dade, Lewis (Randy) <Lewis.Dade@HollyFrontier.com>  
**Sent:** Thursday, October 25, 2018 2:58 PM  
**To:** Chavez, Carl J, EMNRD; Griswold, Jim, EMNRD; Denton, Scott  
**Cc:** Dade, Lewis (Randy)  
**Subject:** [EXT] WDW-4 MIT  
**Attachments:** img20180817\_12220886.pdf

Carl,

Here are some notes from WSP; see attached chart for MIT.  
Annulus Pressure Test WDW-4.

Starting pressure was 1200 psig and fell to 1100 psig over 1 hour, averaged 4.2% pressure loss (50 psig loss from Minute 59 to Minute 29) in 30 minutes.

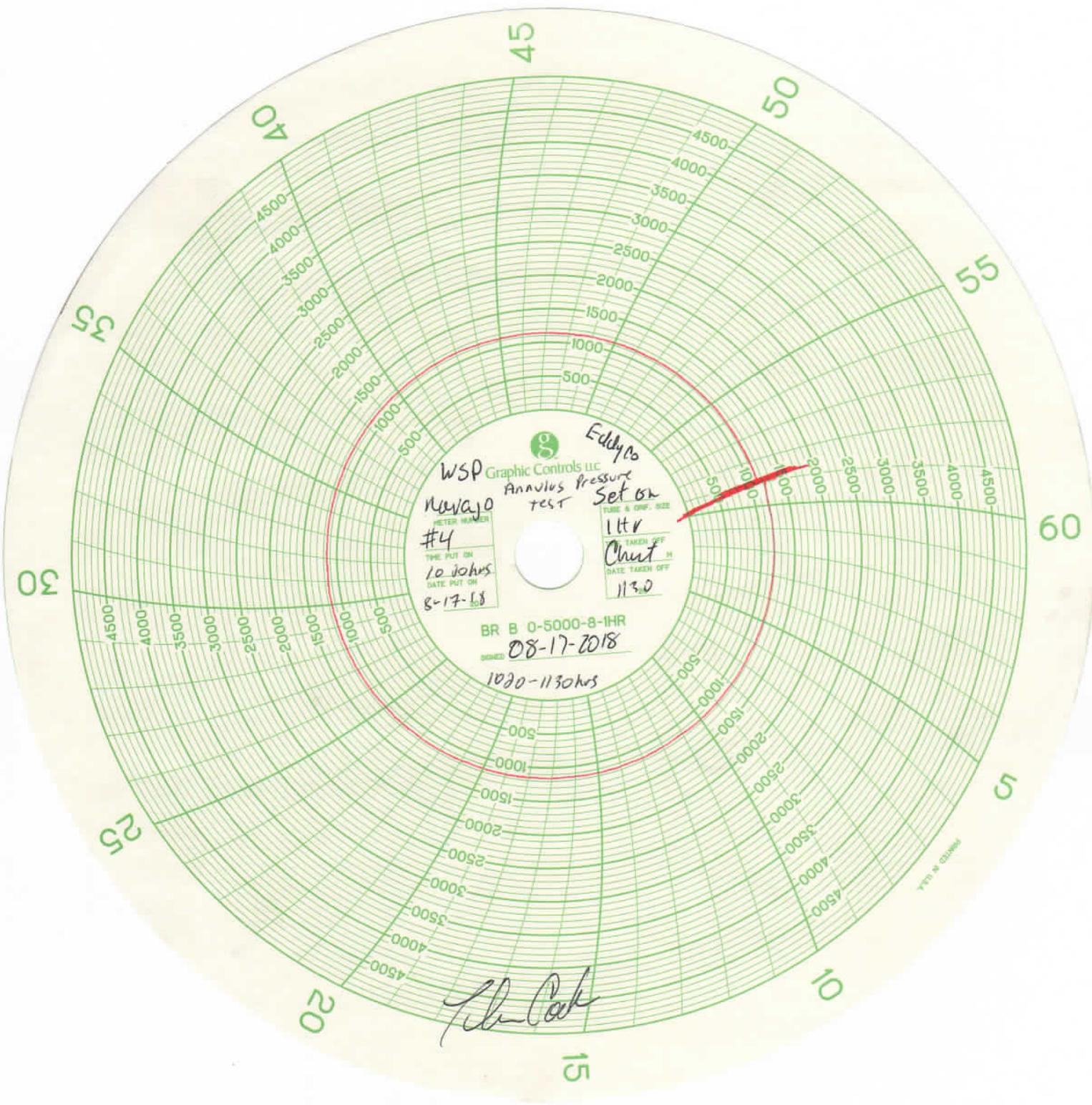
A mechanical integrity test was successfully conducted, according to NM OCD guidelines, and consisted of an annulus pressure test and a radioactive tracer survey. NM OCD personnel elected not to witness the radioactive tracer survey. An injection pressure buildup and falloff test was conducted according to guidelines of the NM OCD for Class I Nonhazardous Waste Injection Wells. Installation of the well was finished on August 17, 2018.

On August 17, 2018, an annulus pressure test was conducted. The annulus was pressured up to 1200 psi at 1020 hours and the annulus was isolated from the pressure source. The final pressure at 1130 hours was 1100 psi. This represents a loss of 100 psi (4.17%) in 30 minutes, which is within the 10% pressure change

### **Dade, Lewis ( RANDY )**

HF Navajo Ref LLC  
Environmental Specialist IV  
Environmental - Artesia  
(575) 746-5281 Work  
(575) 703-4735 Mobile  
Lewis.Dade@HollyFrontier.com  
501 E. MAIN  
ARTESIA, NM. 88210

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WSP Graphic Controls LLC  
Annulus Pressure test  
Eddyco  
Set on  
1 1/4"  
Chut  
113.0

BR B 0-5000-8-1HR  
08-17-2018  
1020-1130hrs

*John Cook*

MADE IN U.S.A.