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

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

Form C-103
Revised August 1, 2011

WELL API NO.
30-015-27592

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
B-2071-28

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.)

7. Lease Name or Unit Agreement Name
Mewbourne WDW-1

1. Type of Well: Oil Well ☐ Gas Well ☐ Other **Injection Well**

8. Well Number **WDW-1**

2. Name of Operator
Navajo Refining Company

9. OGRID Number
15694

3. Address of Operator
Post Office Box 159, Artesia, New Mexico 88211

10. Pool name or Wildcat: **Navajo Permo-Penn 96918**

4. Well Location
Unit Letter **O** : **660** feet from the **South** line and **2210** feet from the **East** line
Section **31** Township **17S** Range **28E** NMPM County **Eddy**

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3678' GL

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
OTHER: **PERFORM PRESSURE FALLOFF TEST, ANNULUS PRESURE TEST**	☒			OTHER:	☐		

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.

May 12, 2014 - Perform annulus pressure tests on WDW-1, WDW-2, and WDW-3 at an annulus pressure above 300 psig for 30 minutes on each well.
May 13, 2014 –Install bottomhole gauges into WDW-1, WDW-2, and WDW-3 by 11:45am. Continue injection into all three wells.
May 14, 2014 – Continue injection into all three wells.
May 15, 2014 – At 2:00 PM, the offset wells WDW-2 and WDW-3 will be shut-in. A constant injection rate will be established for WDW-1 at 160 GPM and continue for a 30 hour injection period. Do not exceed 1200 psig wellhead pressure.
May 16, 2014 – At 8:00pm, WDW-1 will be shut in for a 30-hour falloff period. WDW-2 and WDW-3 will remain shut-in.
May 17, 2014– All three wells will continue to be shut in while monitoring falloff pressure in all three wells.
May 18, 2014 – At 8:00am, acquire downhole pressure gauges from all three wells. Tag bottom of fill and come out of hole very slowly, making 7-minute gradient stops while coming out of WDW-1 every 1000 feet (7000 ft, 6000 ft, 5000 ft, 4000 ft, 3000 ft, 2000 ft, 1000 ft, surface). Turn the wells back to Navajo personnel.

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 Timothy Jones TITLE Project Engineer DATE 4-24-14

Type or print nam~ _____ E-mail address: _____ PHONE: _____

For State Use Only

APPROVED BY: Carl J. Chavez TITLE Environmental Engineer DATE 4/25/14

Conditions of Approval (if any):

The Fall-off Test (FOT) shall comply with Section III (Developing a Test plan) of the "NM Oil Conservation Division UIC Class I Well FOT Guidance" (December 3, 2007).

SUBSURFACE

Procedure for Testing Well #1 (Mewbourne)
April 21, 2014

Sunday, May 11, 2014

Subsurface personnel travel to Artesia, NM

Monday, May 12, 2014

Subsurface personnel and Pro-Well Testing personnel attend Navajo safety orientation.
Subsurface personnel will perform an annulus pressure test on WDW-1, WDW-2, and WDW-3 using a chart recorder. The annulus pressure must be above 300 psig during testing.

Tuesday, May 13, 2014

1. Install bottom hole memory gauges in all three wells and continue normal injection for 48 hours. Downhole Gauges need to be in wells by 11:45 am. Install surface pressure recorder on Mewbourne Well No. 1. Downhole Gauges to be set at the top of the perforations in all three wells as follows:

Mewbourne Well No. 1	7924 feet
Chukka Well No. 2	7570 feet
Gaines Well No. 3	7660 feet

Subsurface personnel will return to Houston,TX.

Wednesday, May 14, 2014

Continue normal injection into the wells.

Thursday, May 15, 2014

1. At 2:00 pm, Navajo personnel will shut-in offset wells, Chukka Well No. 2 and Gaines Well No. 3, start the 30-hour injection period for Mewbourne Well No. 1 at rate of approximately 160 GPM. The Chukka Well No. 2 and Gaines Well No. 3 will have to be isolated at the wing valve, MOV, and at the main pipeline valve.
2. Navajo Refining is to maintain a constant injection rate of approximately 160 GPM into the Mewbourne Well No. 1 for a minimum of 30 hours prior to shutting in the well. The 30 hours was the agreed upon time interval by the OCD and Navajo in previous falloff tests.
3. The rate should be constant during the 30-hour injection period. This might be best accomplished

by opening the pipe line and wellhead valves wide open allowing full flow to the well. Record the rate and wellhead pressure in the control room on a minimum of 15 second intervals during the injection period. Do not exceed 1200 psig wellhead pressure.

4. Plant personnel will record rate, volume, and pressure during the injection period for all wells to confirm that a constant pre-falloff injection rate is maintained.
5. Collect a grab sample of the injection fluid every 10 hours; analyze the fluid for pH and Specific Gravity.

Friday, May 16, 2014

6. At 8:00 pm, Navajo personnel will shut in Mewbourne Well No. 1 for the 30-hour falloff period. Chukka Well No. 2 and Gaines Well No. 3 will remain shut-in during the 30-hour falloff period. The Mewbourne No. 1 will need to be isolated at the wing valve, MOV, and at the main pipeline valve.

Saturday, May 17, 2014

7. Leave all three wells shut in and continue to monitor falloff pressures in all three wells. Subsurface personnel (Tim Jones) to return to site.

Sunday, May 18, 2014

8. At 8:00 am, acquire downhole pressure memory gauges from all three wells.
9. Tag bottom of fill and come out of hole very slowly (no faster than 30 feet per minute), making 7-minute gradient stops while coming out of Mewbourne Well No. 1 every 1000 feet (7000 feet, 6000 feet, 5000 feet, 4000 feet, 3000 ft., 2000 feet, 1000 feet, Surface).
10. Turn well over to Navajo personnel. Subsurface personnel to return to Houston,TX.