

Submit 1 Copy To Appropriate District

Office

District I - (575) 393-6161

1625 N. French Dr., Hobbs, NM 88201

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District III - (505) 334-6178

1000 Rio Brazos Rd., Aztec, NM 87410

District IV - (505) 476-3450

1220 S. St. Francis Dr., Santa Fe, NM

87505

State of New Mexico

Energy, Minerals and Natural Resources

HOBBS OCD

OIL CONSERVATION DIVISION

MAY 05 2017

220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED

Form C-103

Revised July 18, 2013

WELL API NO.

30-025-06752

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Northeast Drinkard Unit (NEDU) / 22503

8. Well Number 902

9. OGRID Number

873

10. Pool name or Wildcat

Eunice; B-T-D, North (22900)

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 Injection ☐

2. Name of Operator

Apache Corporation

3. Address of Operator

303 Veterans Airpark Lane, Suite 1000 Midland, TX 79705

4. Well Location

Unit Letter K : 2080 feet from the South line and 1650 feet from the West line
Section 22 Township 21S Range 37E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3414' GL

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☒ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: LOCATE/REPAIR LEAK, ACIDIZE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS ☐ P AND A ☐
CASING/CEMENT JOB ☐
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.

Apache would like to locate and isolate a potential casing leak, clean out the well and acidize the Drinkard, per the attached procedure. We currently have a rig on this location.

**Condition of Approval: notify
OCD Hobbs office 24 hours
prior of running MIT Test & Chart**

Spud Date:

3/24/1950

Rig Release Date:

4/22/1950

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

SIGNATURE

Reesa Fisher

TITLE Sr. Staff Reg Analyst

DATE 5/2/2017

Type or print name Reesa Fisher

E-mail address: Reesa.Fisher@apachecorp.com

PHONE: (432) 818-1062

For State Use Only

APPROVED BY:

Mary Brown

TITLE

AO/II

DATE

5/5/2017

Conditions of Approval (if any):

**NEDU 902W: Isolate Mechanical Failure of Casing, Clean Out well, Acidize Drinkard, and Return well to Compliance
(API: 30-025-06752)**

April 25, 2017

Day 1: Test anchors. MIRU. NUBOP. Release on/off tool. POH w/ injection tubing. Test casing to 500 psi.

- If casing holds pressure
 - RIH w/ WS and latch onto packer. POOH.
- If casing doesn't hold pressure
 - RIH w/ WS and latch onto packer. POOH and RIH w/ RBP. Set RBP and test RBP to 500 psi. Begin isolating casing leak
 - Attempt cement squeeze

Day 2: RIH w/ 4-3/4" bit and casing scraper on 2-7/8" work string and clean out well to +/- 6850'. RU Foam N2 Unit as required.

Day 3: Continue cleaning out fill down to +/-6850'.

Day 4: Continue drilling out to +/-6850'

Day 5: POOH and PU 5-1/2" treating packer. RIH w/ 2-7/8" WS and set packer at +/- 6400'. Test tubing

MIRU acid crew. Acidize the Drinkard w/10,000 gals 15% HCl and drop rock salt in 3 equal stages @ +/- 10 BPM. Max pressure at 6500 psi. Set kickouts at 6000 psi. Monitor backside for communication. Release packer. Wash over salt. POOH.

Day 6: PU 5-1/2" hydraulic isolation packer, +/- 500' 2-3/8" J-55 1505 IPC tubing wrapped (or coated) tubing, 5-1/2" AS-1X Packer, on/off tool on workstring and set top packer at +/-5900' (Bottom packer should be +/-6400') Test casing to 500 psi. POOH w/ WS and PU approx. 5900' of 2-3/8" J-55 1505 IPC tubing. Circulate Packer fluid. Latch onto top packer. Test to 500 psi. Drop ball, pressure up tubing to set hydraulic packer, pump out plug. RDMO.

Day 7: Perform MIT test for NM OCD. Place well on injection.



Downhole Well Profile w Cement

Well Name: NEDU 902W

Reference Datum: KB

AP Surface Loc 3002506752	Surface Leg Loc 2080' FSL, 1650' FWL, Unit K, Sec 22 T-21S, R-37E	Field Name Eunice North	State Prov Area New Mexico	Well Purpose Injection
Start Date 3/24/1950 00 00	Original KB Elevation (ft) 3 424 0	Ground Elevation (ft) 3 414 0	KB-Ground Distance (ft) 10 0	
Field (API) (ft) Original Hole - 7.265		Total Depth AS (TVB) (ft)		

Injection - NE DRINKARD UNIT #902 - Original Hole, 4/24/2017 4:27:50 PM		Casing Strings					
MD (ft)	Vertical schematic (actual)	Csg Desc	OD (in)	WT Len (ft)	Grade	Net Depth (ft)	
		Surface	13 3/8	32.30	H-40	222.00	
		Inter 1	8 5/8	32.00	H-40	2,918.00	
		Prod 1	5 1/2	15.50	J-85	7,502.00	
		Cement					
		String Surface, 222.00ftKB, 13 3/8	Description Surface	Top Depth (ft) 10.00	Bottom Depth (ft) 222.00	Top Meas Mech Returns at Surface	Start Date 3/25/1950
		String Inter 1, 2,918.00ftKB, 8 5/8	Description Intermediate	Top Depth (ft) 10.00	Bottom Depth (ft) 2,918.00	Top Meas Mech Returns at Surface	Start Date 3/30/1950
		String Prod 1, 7,502.00ftKB, 5 1/2	Description Production	Top Depth (ft) 3,600.00	Bottom Depth (ft) 7,532.00	Top Meas Mech Estimated	Start Date 4/24/1950
		String Prod 1, 7,502.00ftKB, 5 1/2	Description Cement Plug	Top Depth (ft) 7,265.00	Bottom Depth (ft) 7,300.00	Top Meas Mech Tag	Start Date 9/30/1982
		String Prod 1, 7,502.00ftKB, 5 1/2	Description Polymer Squeeze	Top Depth (ft) 5,900.00	Bottom Depth (ft) 6,300.00	Top Meas Mech	Start Date 12/5/2000
		Perforations					
		Date	Type	Top (ft)	Bot (ft)	Unit Jct (ft)	2-Stage and Total
		11/2/1982	Tubb Sqz'd	5,972	5,972	1.0	1
		11/2/1982	Tubb Sqz'd	5,977	5,977	1.0	1
		11/2/1982	Tubb Sqz'd	5,979	5,979	1.0	1
		11/2/1982	Tubb Sqz'd	5,981	5,981	1.0	1
		11/2/1982	Tubb Sqz'd	5,983	5,983	1.0	1
		11/2/1982	Tubb Sqz'd	5,985	5,985	1.0	1
		11/2/1982	Tubb Sqz'd	5,987	5,987	1.0	1
		11/2/1982	Tubb Sqz'd	5,990	5,990	1.0	1
		11/2/1982	Tubb Sqz'd	5,995	5,995	1.0	1
		11/2/1982	Tubb Sqz'd	5,997	5,997	1.0	1
		11/2/1982	Tubb Sqz'd	5,999	5,999	1.0	1
		11/2/1982	Tubb Sqz'd	6,001	6,001	1.0	1
		11/2/1982	Tubb Sqz'd	6,003	6,003	1.0	1
		11/2/1982	Tubb Sqz'd	6,005	6,005	1.0	1
		11/2/1982	Tubb Sqz'd	6,007	6,007	1.0	1
		11/2/1982	Tubb Sqz'd	6,009	6,009	1.0	1
		11/2/1982	Tubb Sqz'd	6,011	6,011	1.0	1
		11/2/1982	Tubb Sqz'd	6,017	6,017	1.0	1
		11/2/1982	Tubb Sqz'd	6,027	6,027	1.0	1
		11/2/1982	Tubb Sqz'd	6,031	6,031	1.0	1
		11/2/1982	Tubb Sqz'd	6,033	6,033	1.0	1
		11/2/1982	Tubb Sqz'd	6,035	6,035	1.0	1
		11/2/1982	Tubb Sqz'd	6,037	6,037	1.0	1
		11/2/1982	Tubb Sqz'd	6,039	6,039	1.0	1
		11/2/1982	Tubb Sqz'd	6,041	6,041	1.0	1
		11/2/1982	Tubb Sqz'd	6,049	6,049	1.0	1
		11/2/1982	Tubb Sqz'd	6,051	6,051	1.0	1
		11/2/1982	Tubb Sqz'd	6,053	6,053	1.0	1
		11/2/1982	Tubb Sqz'd	6,055	6,055	1.0	1
		11/2/1982	Tubb Sqz'd	6,087	6,087	1.0	1
		11/2/1982	Tubb Sqz'd	6,089	6,089	1.0	1



Downhole Well Profile w Cement

Well Name: NEDU 902W

Reference Datum: KB

AP Surface Loc 3002506752	Surface Legal Location 2080' FSL, 1650' FWL, Unit K, Sec 22, T-21S, R-37E	Field Name Eunice North	State/Province New Mexico	Well Purpose Injection
Block Date 3/24/1990 00:00	Original KB Elevation (ft) 3,424.0	Ground Elevation (ft) 3,414.0	KB-Ground Distance (ft) 10.0	
FATH (ft) (ft) Original Hole - 7,265		Total Depth All (FV) (ft) (ft)		

Injection - NE DRINKARD UNIT #902 - Original Hole, 4/24/2017 4:33:16 PM		Perforations						
MD (ft)	Vertical schematic (actual)	Date	Type	Top (ft)	Bot (ft)	Interval (ft)	Interval (ft) Total	Open or Closed
0.00		11/2/1982	Tubb Sqz'd	6,091	6,091	1.0	1	
100.00		11/2/1982	Tubb Sqz'd	6,095	6,095	1.0	1	
200.00		11/2/1982	Tubb Sqz'd	6,097	6,097	1.0	1	
300.00		11/2/1982	Tubb Sqz'd	6,099	6,099	1.0	1	
400.00		11/2/1982	Tubb Sqz'd	6,101	6,101	1.0	1	
500.00		11/2/1982	Tubb Sqz'd	6,103	6,103	1.0	1	
600.00		11/2/1982	Tubb Sqz'd	6,105	6,105	1.0	1	
700.00		11/2/1982	Tubb Sqz'd	6,107	6,107	1.0	1	
800.00		11/2/1982	Tubb Sqz'd	6,109	6,109	1.0	1	
900.00		11/2/1982	Tubb Sqz'd	6,111	6,111	1.0	1	
1000.00		11/2/1982	Tubb Sqz'd	6,113	6,113	1.0	1	
1100.00		11/2/1982	Tubb Sqz'd	6,115	6,115	1.0	1	
1200.00		11/2/1982	Tubb Sqz'd	6,117	6,117	1.0	1	
1300.00		11/2/1982	Tubb Sqz'd	6,125	6,125	1.0	1	
1400.00		11/2/1982	Tubb Sqz'd	6,127	6,127	1.0	1	
1500.00		11/2/1982	Tubb Sqz'd	6,129	6,129	1.0	1	
1600.00		11/2/1982	Tubb Sqz'd	6,131	6,131	1.0	1	
1700.00		11/2/1982	Tubb Sqz'd	6,133	6,133	1.0	1	
1800.00		11/2/1982	Tubb Sqz'd	6,135	6,135	1.0	1	
1900.00		11/2/1982	Tubb Sqz'd	6,138	6,138	1.0	1	
2000.00		11/2/1982	Tubb Sqz'd	6,140	6,140	1.0	1	
2100.00		11/2/1982	Tubb Sqz'd	6,142	6,142	1.0	1	
2200.00		11/2/1982	Tubb Sqz'd	6,151	6,151	1.0	1	
2300.00		11/2/1982	Tubb Sqz'd	6,153	6,153	1.0	1	
2400.00		11/2/1982	Tubb Sqz'd	6,155	6,155	1.0	1	
2500.00		11/2/1982	Tubb Sqz'd	6,157	6,157	1.0	1	
2600.00		11/2/1982	Tubb Sqz'd	6,161	6,161	1.0	1	
2700.00		11/2/1982	Tubb Sqz'd	6,167	6,167	1.0	1	
2800.00		11/2/1982	Tubb Sqz'd	6,169	6,169	1.0	1	
2900.00		11/2/1982	Tubb Sqz'd	6,183	6,183	1.0	1	
3000.00		11/2/1982	Tubb Sqz'd	6,185	6,185	1.0	1	
3100.00		11/2/1982	Tubb Sqz'd	6,187	6,187	1.0	1	
3200.00		11/2/1982	Tubb Sqz'd	6,189	6,189	1.0	1	
3300.00		11/2/1982	Tubb Sqz'd	6,191	6,191	1.0	1	
3400.00		11/2/1982	Tubb Sqz'd	6,193	6,193	1.0	1	
3500.00		11/2/1982	Tubb Sqz'd	6,196	6,196	1.0	1	
3600.00		11/2/1982	Tubb Sqz'd	6,197	6,197	1.0	1	
3700.00		11/2/1982	Tubb Sqz'd	6,201	6,201	1.0	1	
3800.00		11/2/1982	Tubb Sqz'd	6,203	6,203	1.0	1	
3900.00		11/2/1982	Tubb Sqz'd	6,212	6,212	1.0	1	
4000.00		11/2/1982	Tubb Sqz'd	6,213	6,213	1.0	1	
4100.00		11/2/1982	Tubb Sqz'd	6,222	6,222	1.0	1	
4200.00		11/2/1982	Tubb Sqz'd	6,231	6,231	1.0	1	
4300.00		11/2/1982	Tubb Sqz'd	6,233	6,233	1.0	1	
4400.00		11/2/1982	Tubb Sqz'd	6,240	6,240	1.0	1	
4500.00		11/2/1982	Tubb Sqz'd	6,243	6,243	1.0	1	
4600.00		11/2/1982	Tubb Sqz'd	6,245	6,245	1.0	1	
4700.00		3/1/1996	Drnkard	6,476	6,486	1.0	11	
4800.00		3/1/1996	Drnkard	6,489	6,498	1.0	10	
4900.00		3/1/1996	Drnkard	6,521	6,523	1.0	3	
5000.00		3/1/1996	Drnkard	6,530	6,534	1.0	5	
5100.00		3/1/1996	Drnkard	6,539	6,544	1.0	6	
5200.00								
5300.00								
5400.00								
5500.00								
5600.00								
5700.00								
5800.00								
5900.00								
6000.00								



Downhole Well Profile w Cement

Well Name: NEDU 902W

Reference Datum: KB

APC Well ID	APC Well Name	Field Name	State Province	Well Purpose
3002506752	2380' FSL, 1650' FWL, Unit K, Sec 22, T-21S, R-37E	Eunice North	New Mexico	Injection
Test Date	Original KB Elevation (ft)	Ground Elevation (ft)	Alt-Ground Distance (ft)	
3/24/1950 00:00	3,424.0	3,414.0	10.0	
PSID (psi/ft)	Total Depth Air (TVCA) (ft)			
Original Hole - 7,265				

