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

HOBBS OCD
JUN 25 2018
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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. 30-005-00936
	5. Indicate Type of Lease STATE ☒ FEE ☐
	6. State Oil & Gas Lease No.
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	7. Lease Name or Unit Agreement Name ROCK QUEEN UNIT
	8. Well Number 087
2. Name of Operator **REMNANT OIL OPERATING. LLC**	9. OGRID Number **370922**
3. Address of Operator **PO BOX 5375, Midland, TX 79704**	10. Pool name or Wildcat CAPROCK; QUEEN
4. Well Location Unit Letter F : 1980 feet from the N line and 1980 feet from the W line Section 36 Township 13S Range 31E NMPM County CHAVES	
	11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 4405' 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: REPAIR WELL AFTER FAILED MIT & RETURN TO INJ ☒		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.

SEE ATTACHED.

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

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

SIGNATURE Carie Stoker TITLE **Regulatory Affairs Coordinator** DATE: 06/20/2018

Type or print name **Carie Stoker** E-mail address: **carie@stokeroilfield.com** PHONE: **432.664.7659**

APPROVED BY: Maley L Brown TITLE AO/I DATE 6/23/2018
Conditions of Approval (if any):

Procedure to Fix Wellbore Pressure Communication
Rock Queen Unit #87
API: 30-005-00936
Chaves County, New Mexico

Wellbore Information: 5-1/2", 14# production csg, Set @ 3054'. Primary TOC @ 2607' (Calc'd)
4-1/2", 9.5# Liner csg from 3018' – 3062'. Cmt's with 35 sx's. 4", 9.5# FJ csg with ultra thread set from surface to 3048'. Cmt'd with 70 sx's. TOC 4" FJ liner annulus @ 1174' (CBL). Queen Sand Perfs (3057' – 3062')Open hole (3062' – 3100') TD @ 3100'
4" AS-1X nickel plated packer with 1.50" "F" profile nipple w/ T-2 on/off tool. Packer is set @ 2977'. 91jts 2-3/8", 4.7#, 8rd, EUE, J-55 IPC tubing w/ Turn down collars.

Well Summary & Objective: The subject well is currently a SI CO2 WAG injection well with communication on the 4" FJ production casing. The wellbore annulus between the tubing and casing failed a pressure test on 3/30/2018. It is proposed to repair the suspected leaking packer, obtain a new MIT chart and return this WAG injection well to active status.

Procedure:

1.) Prior to rigging up, test anchors. Mobilize a 500 bbl flowback tank on location.
2.) Hold pre-job safety meeting for pulling this CO2 WAG injection well. Be aware of well control issues that could develop due to reservoir pressured up with CO2.
3.) MIRU pulling unit. Be prepared to kill well by pumping brine water down tubing and down the annulus. (Note: Estimate as much as a total of 150 bbls of brine water might be needed to kill well). Let well sit for about 1 hour. Once well is determined to be static, ND WH, NU BOP.
4.) Try to re-set 4"AS-1X nickel plated packer and pressure test backside, to see if MIT can be obtained before pulling packer out of hole. (Note: The 4" AS-1X packer was set at 2977' with 18 pts of tension on 2/22/2016).
5.) If 4" packer cannot be re-set, Release 4" packer and POOH, standing back the 91 jt's, 2-3/8" IPC, J-55 EUE seal lube tubing. Be prepared to pump more brine water to control wellbore pressure.
6.) If the 2-3/8" IPC seal lube tubing looks to be in good shape, plan to re-run the IPC tubing with an exchange 4" AS-1X packer from the Caprock inventory. Will need to send the pulled 4" AS-1X packer into the shop for redress.
7.) Run back in the hole with the 4" AS-1X packer on 91 jts, 2-3/8" IPC seal lube tubing. Set packer @ +/- 2977'. Load and test annulus at 580 psig for 30 mins. If no loss in annulus pressure during this time, prepare to pump corrosion inhibited treated packer fluid.
8.) Get off the on/off tool and pump 45 bbls of CI treated packer fluid down the annulus. Latch back up to the packer, top off the packer fluid.
9.) ND BOP, NU WH equipment. Obtain official MIT chart.
10.) RDMO Pulling Unit. Clean location. Return well to active injection.