

Submit a 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. 30-025-28275
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name STATE A A/C 2
8. Well Number #066
9. OGRID Number 329326
10. Pool name or Wildcat [24130] EUNICE; 7 RVRs-QUEEN, SOUTH
4. Well Location Unit Letter <u>F</u> : <u>1345</u> feet from the <u>NORTH</u> line and <u>1345</u> feet from the <u>WEST</u> line Section <u>09</u> Township <u>22S</u> Range <u>36E</u> NMPM <u>LEA</u> County 11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3565.4' 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: ☐ Step Rate Test ☒

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.

PROPOSED PROCEDURE

1. Notify NMOCD 72 hours prior to test.
2. Run MIT & Bradenhead before test.
3. Shut in well 48 hours prior to test.
4. Break down lines and rig up measurement devices, pump truck, and treating van.
5. Monitor backside casing pressure during job – if pressure rapidly increases, stop job immediately.
6. See attached document for planned gradients and time steps.
7. Provide SRT results to the NMOCD.

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  TITLE Geologist DATE 08/09/2023

Type or print name Jessica LaMarro E-mail address: jessica@faenergyus.com PHONE: (832) 706-0051

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Step Rate Test

State A A/C 2 #066 (API #30-025-28275)

Equipment:

- Wireline w/ crane, bottom hole pressure gauges
- Digital rate and pressure devices
- Treating van
- Chart recorder

Procedure

- Note a MIT and Bradenhead will be done beforehand***
- Shut in well 48 priors to test.
- Break down lines and rig up measurement devices, pump truck, and treating van.
- Monitor backside casing pressure during job – if pressure rapidly increases, stop job immediately.
- Stick to 30-minute time segments per step, no more or no less.
- Begin pumping job as follows. Please stick to the rates outlined in each step. Surface pressure will likely differ from what is shown in this table.
- Please have results emailed to billy@faenergyus.com, david@faenergyus.com and james@faenergyus.com

Time	Gradient	Expected Surface Treating Pressure	Target Rate (bpm)	Volume(BBLs)	Gals	
30	0.223684211	832.11	1	30	1260	
30	0.271052632	1008.32	1.5	45	1890	
30	0.318421053	1184.53	2	60	2520	
30	0.365789474	1360.74	2.5	75	3150	
30	0.41315789	1536.95	3	90	3780	
30	0.460526316	1713.16	3.5	105	4410	
30	0.507894737	1889.37	4	120	5040	
30	0.555263158	2065.58	4.5	135	5670	
30	0.602631579	2241.79	5	150	6300	
30	0.65	2418.00	5.5	165	6930	
30	0.697368421	2594.21	6	180	7560	
30	0.744736842	2770.42	6.5	195	8190	
30	0.79105263	2942.72	7	210	8820	
30	0.83947684	3122.85	7.5	225	9450	
				1785	74970	Total

4 Frac tanks needed. *** We have 2-3/8" J-55 IPC TBG***

Well STATE A A/C 2 #066
 From 6/1/2021
 To 7/18/2023

Date	Inj Well - AVG Wat/Day (bbl)	P(tub) (psi) Average	API
Jun-21	553.00	425.00	30-025-28275
Jul-21	304.00	250.00	30-025-28275
Aug-21	354.00	0.00	30-025-28275
Sep-21	310.00	450.00	30-025-28275
Oct-21	400.00	364.00	30-025-28275
Nov-21	371.00	315.00	30-025-28275
Dec-21	314.00	350.00	30-025-28275
Jan-22	200.00	334.00	30-025-28275
Feb-22	182.00	310.00	30-025-28275
Mar-22	211.00	289.00	30-025-28275
Apr-22	200.00	275.00	30-025-28275
May-22	301.00	291.00	30-025-28275
Jun-22	319.00	308.00	30-025-28275
Jul-22	297.00	350.00	30-025-28275
Aug-22	312.00	350.00	30-025-28275
Sep-22	364.00	350.00	30-025-28275
Oct-22	321.00	350.00	30-025-28275
Nov-22	207.00	350.00	30-025-28275
Dec-22	305.00	350.00	30-025-28275
Jan-23	334.00	461.00	30-025-28275
Feb-23	477.00	516.00	30-025-28275
Mar-23	465.00	550.00	30-025-28275
Apr-23	1,430.00	612.00	30-025-28275
May-23	1,293.00	709.00	30-025-28275
Jun-23	641.00	629.00	30-025-28275
Jul-23	849.00	483.00	30-025-28275

Summary of well treatments and pressures.

State A A/C 2 #066 (API #30-025-28275):

09/1983 – D&C well

09/1984 – Convert to injection (wrx-530)

12/1991 - TA'ed Well

01/2009 – Reactivate injection.

04/2023 – Spot 15% NEFE across formation.

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CONDITIONS

Action 250332

CONDITIONS

Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079	OGRID: 329326
	Action Number: 250332
	Action Type: [C-103] NOI General Sundry (C-103X)

CONDITIONS

Created By	Condition	Condition Date
mgebremichael	Please make sure you adhere to the OCD SRT guidelines	9/8/2023