

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

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.)		WELL API NO. 30-025-27971
1. Type of Well: Oil Well ☐ Gas Well ☐ Other INJECTION		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator MORNINGSTAR OPERATING LLC		6. State Oil & Gas Lease No.
3. Address of Operator 400 W 7TH ST, FORT WORTH, TX 76102		7. Lease Name or Unit Agreement Name CENTRAL VACUUM UNIT
4. Well Location Unit Letter_M_: 180 feet from the S line and 10 feet from the W line Section 36 Township 17S Range 34E NMPM County LEA		8. Well Number 161
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4004 GL		9. OGRID Number 330132
		10. Pool name or Wildcat VACUUM; GRAYBURG-SAN ANDRES

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☒	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
DOWNHOLE COMMINGLE ☐	P AND A ☐
CLOSED-LOOP SYSTEM ☐	CASING/CEMENT JOB ☐
OTHER: ☐	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.

- POOH inj. string and pkr for inspection and repair.
- Cleanout wellbore to 4,730' (pbtd)
- Add new perforations throughout existing SA inj. interval
- o Current inj. interval 4,391'-4,727' consisting of 74 perfs.
- o Proposed inj. interval 4,295'-4,727' adding 248 perfs for a total of 322 perfs.
- Acidize with ~7,500gal 15% HCl
- Install inj. string and inj. packer for return to injection.
- o Proposed inj. pkr depth ~ 4,200' (within 100' of top perf).

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

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 Connie Blaylock TITLE Regulatory Analyst DATE 03/11/2024

Type or print name Connie Blaylock E-mail address: cblaylock@txoenergy.com PHONE: 817-334-7882

For State Use Only

APPROVED BY: Kerry Fortner TITLE Compliance Officer A DATE 3/15/24
 Conditions of Approval (if any):

CVU 161 Wellbore Diagram

Created: 06/17/15	By: CJB	Well #: 161	St. Lse: -
Updated:	By:	API 30-025-27971	
Lease: Central Vacuum Unit		Unit Ltr.: M	Section: 36
Field: Vacuum Grayburg San Andres		TSHP/Rng: 17S-34E	
Surf. Loc.: 180' FSL & 10' FWL		Unit Ltr.:	Section:
Bot. Loc.:		TSHP/Rng:	
County: Lea	St.: NM	Directions: Buckeye, NM	
Status: Water Injector		CHEVNO: DL8760	
		OGRID: 4323	

Surface Casing

Size: 16"
 Wt., Grd.: 65# H-40
 Depth: 374
 Sxs Cmt: 550
 Circulate: Yes
 TOC: Surface
 Hole Size: 20"

KB: 4019'
 DF: 4018'
 GL: 4004'
 Ini. Spud: 12/14/82
 Ini. Comp.: 01/11/83

Intermediate Casing

Size: 11-3/4"
 Wt., Grd.: 42#, H-40
 Depth: 1550'
 Sxs Cmt: 750
 Circulate: Yes
 TOC: Surface
 Hole Size: 14-3/4"

Component Grouping	Part Type	Name of Component	Quantity	Length	Top Depth	Bottom Depth	Connection Top	Connection Bottom
Tubing String	Tubing - OD 2.375	J-55 2.375 OD/ 4.704 T&C External Upset 1.995 ID 1.901 Drift	141	4304.00	15.00	4319.00	2.3750 Nom Threaded & Coupled BRD EUE	2.3750 Nom Threaded & Coupled BRD EUE
Tubing String	Packer Mandrel/Seal Assembly	Seal Assembly 5.500 OD	1	4.00	4319.00	4323.00	5.5000 Nom Integral Round Long NUE	5.5000 Nom Integral Round Long NUE

Reduce hole size from 11" to 7-7/8" at 2803'

Likely 2 3/8" Duoline inj tbg

Was it installed in 1993?

2-3/8" Duoline inj tbg

5-1/2" NP G-6 @ 4304'

San Andres Perfs: 4391'-4727'

4391', 93, 96,
 4400', 11, 16, 21, 23, 26, 28, 32, 40, 44, 89, 92, 94, 96, 97,
 4604', 15, 33, 57, 60, 68, 76, 83, 91, 96, 98,
 4700', 02, 07, 10, 12, 18, 22, 4727'

Production Casing

Size: 5 1/2"
 Wt., Grd.: 15.5#, J-55
 Depth: 4800'
 Sxs Cmt: 2000'
 Circulate: Yes
 TOC: Surface
 Hole Size: 7-7/8"

PBTD: 4730'
 TD: 4800'

6/2015: Slickline tag at 4,381'... so mostly covered perfs

CVU 161 Wellbore Diagram

Proposed

Lease:	Central Vacuum Unit	Well #:	161	St. Lse:	-
Field:	Vacuum Grayburg San Andres	API	30-025-27971	Unit Ltr.:	M
Surf. Loc.:	180' FSL & 10' FWL	TSHR/Rng:	17S-34E	Section:	36
Bot. Loc.:		Unit Ltr.:		Section:	
County:	Lea	TSHR/Rng:		Directions:	Buckeye, NM
Status:	Water Injector	CHEVNO:	DL8760	OGRID:	4323

Surface Casing

Size:	16"
Wt., Grd.:	65# H-40
Depth:	374
Sxs Cmt:	550
Circulate:	Yes
TOC:	Surface
Hole Size:	20"

KB:	4019'
DF:	4018'
GL:	4004'
Ini. Spud:	12/14/82
Ini. Comp.:	01/11/83

Intermediate Casing

Size:	11-3/4"
Wt., Grd.:	42#, H-40
Depth:	1550'
Sxs Cmt:	750
Circulate:	Yes
TOC:	Surface
Hole Size:	14-3/4"

Reduce hole size from 11" to 7-7/8" at 2803'

Production Casing

Size:	5 1/2"
Wt., Grd.:	15.5#, J-55
Depth:	4800'
Sxs Cmt:	2000'
Circulate:	Yes
TOC:	Surface
Hole Size:	7-7/8"

2-3/8" Duoline or COTube inj tbg
5-1/2" inj pkr @ ~4,295'

San Andres Perfs: 4391'-4727'

4,295-4301', 4305-07', 4311-13', 4319-21', 4361-63', 4369-73'
4391', 93, 96,
4400', 11, 16, 18'-20', 21, 23, 26, 28, 32, 38'-42', 40, 44, 59'-63', 89, 92, 94, 96, 97,
4546-52', 4560-66', 4590-96'
4604', 14'-18', 15, 30'-34', 33, 57, 60, 66'-70', 68, 76, 80'-84', 83, 91, 96, 98,
4700', 02, 07, 10, 12, 18, 22, 4727'

PBTD: 4730'

TD: 4800'

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CONDITIONS

Action 322283

CONDITIONS

Operator: MorningStar Operating LLC 400 W 7th St Fort Worth, TX 76102	OGRID: 330132
	Action Number: 322283
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
kfortner	Run PWOT MIT/BHT	3/15/2024