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

RECEIVED
OCT 16 2018
DISTRICT II-ARTESIA O.C.D

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

Form C-103
Revised July 18, 2013

WELL API NO. 30-015-22023	
5. Indicate Type of Lease STATE ☒ FEE ☐	
6. State Oil & Gas Lease No. K-6653	

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	7. Lease Name or Unit Agreement Name: Millman H.D. State Com
	8. Well Number 1
2. Name of Operator: Vanguard Operating LLC	9. OGRID Number: 258350
3. Address of Operator: 5847 San Felipe Ste 3000 Houston Texas 77057	10. Pool name or Wildcat: South Millman (Morrow)

4. Well Location
Unit Letter O: 660 feet from the South line and 1980 feet from the East line
Section 17 Township 19S Range 28E NMPM Eddy County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3,530 GR

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	☐						
CLOSED-LOOP SYSTEM	☐						
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.

The well has been approved for P&A but due to lease issues the well is requested to be TA'ed at this time

Notify OCD 24 hrs. prior to any work done.

1. Notify NMOCD 24 hrs before rigging up.
2. MIRU WS. LD production equipment.
3. RU WL. Set CIBP at 9,321'(top perf 9,371). Cap with 35ft of cement.
4. Fill casing with treated water and pressure test casing to 500 psig for thirty minutes. Record pressure chart. Open all casing valves (bradenhead and intermediate) during the internal pressure tests and report a flow or pressure change occurring immediately before, during or immediately after the 30 minute pressure test.
5. RD WS & WL
6. File subsequent C103 complete with chart.

TA status may be granted after a successful MIT test is performed. Contact the OCD to schedule the test so it may be witnessed.

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 [signature] TITLE Permian District Superintendent DATE 10/15/2018

Type or print name C.M. "Marty" Bloodworth, P.E. E-mail address: mbloodworth@vnrenergy.com PHONE: 432-770-9738

For State Use Only

APPROVED BY: [signature] TITLE Staff Mgr DATE 10-16-18
Conditions of Approval (if any):

LEASE/WELL: MILLMAN H. D. STATE COM #1

LOCATION: 660' FSL & 1,980' FEL
O-SEC 17-T19S-R28E

COST: EDDY COUNTY, NEW MEXICO

FIELD: MILLMAN; MORROW, SOUTH (GAS)

API NO. 30-015-22023

GR 3536

SPUDDED 1/15/1977

COMPLETED 4/5/1977
4/5/1990 SET CIBP; ADD STRAWN, CANYON

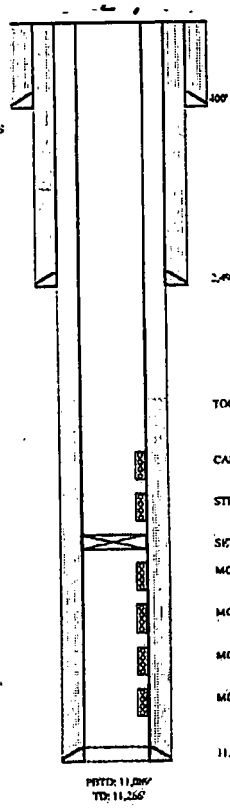
LAT 32.6559165
LONG -104.1956686

FORMATION TOPS PER C-105

QUEEN	1543
SAN ANDRES	2345
BONE SPRINGS	3238
WOLFCAMP	8668
CANYON	9362
STRAWN	9726
ATOKA	10261
MORROW CLASTICS	10761

INCLINATION SURVEY DATA

MD (ft)	Inclination (deg)
400	0.5
907	0.5
1400	0.5
1900	0.75
2392	0.75
2890	0.5
3350	0.75
3823	1
4293	1.25
4694	2.5
5180	2.5
5555	3.5
5699	0.5
6268	0.75
6800	1
7289	1.25
7806	3
8337	2
8824	1.25
9305	2
9685	1.75
10385	1.75
10853	0.5
11266	0.25



17-1/2" HOLE

13-3/8" 48#
CMT W/ 225 SX. CIRC.
-CMT FELL, FILLED HOLE W/ 1.5 YDS READY-MIX

12-1/4" HOLE

8-5/8" 24# J-55
CMT W/ 900 SX. CIRC.

7-7/8" HOLE

TOC @ 8,420' BY TS

CANYON PERFS: 9,371-9,408' (34 HOLES)

STRAWN PERFS: 9,730-9,965' (24 HOLES)

SET CIBP @ 10,600'. CAP W/ 35' CMT.

MORROW PERFS: 10,848-10,858' (40 HOLES)

MORROW PERFS: 10,978-10,988' (32 HOLES)

MORROW PERFS: 10,998-11,008' (28 HOLES)

MORROW PERFS: 11,040-11,050' (40 HOLES)

5-1/2" 17/20# N-80
CMT W/ 460 SX.