

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

RECEIVED State of New Mexico  
Energy, Minerals and Natural Resources  
OCT 16 2018  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-103  
Revised July 18, 2013

WELL API NO. 30-015-23998	
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No. 648	
7. Lease Name or Unit Agreement Name Millman SB State Com	
8. Well Number 1	
9. OGRID Number 258350	
10. Pool name or Wildcat South Millman (Morrow)	
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 <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	
2. Name of Operator Vanguard Operating LLC	
3. Address of Operator 5847 San Felipe Ste 3000 Houston Texas 77057	
4. Well Location Unit Letter <u>G</u> : <u>1,980</u> feet from the <u>North</u> line and <u>1980</u> feet from the <u>East</u> line Section <u>16</u> Township <u>19S</u> Range <u>28E</u> NMPM <u>Eddy</u> County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,479 GR	

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: ☐

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.

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 10,751' (top perf 10,801'). 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

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:

TITLE

State Rep

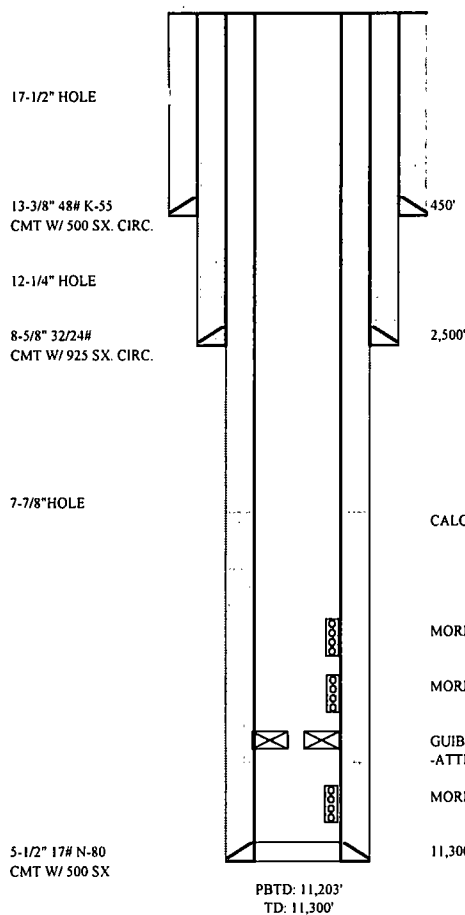
DATE 10-16-18

Conditions of Approval (if any):

LEASE/WELL: MILLMAN SB STATE COM #1  
 LOCATION 1,980' FNL & 1,980' FEL  
 C-16-T19S-R28E  
 CO/ST: EDDY COUNTY, NEW MEXICO  
 FIELD: SOUTH MILLMAN (MORROW)  
 API NO. 30-015-23998

GR 3479  
 SPUDDED 12/12/1981  
 COMPLETED 1/27/1982  
 LAT (27) 32.6624260  
 LONG(27) -104.1790619

DEVIATION SURVEY DATA	
MD (ft)	Inclination (deg)
450	1
938	0.5
1307	0.5
1750	0.75
2250	0.5
2500	0.75
2658	0.5
3158	0.75
3657	0.75
4157	0.5
4627	0.75
5126	2
5202	2
5315	2
5410	2
5533	2
5659	2
5786	2
5868	1.75
6194	2
6349	2
6471	2
6682	1.5
6901	1
7304	2
7491	1.75
7706	1.5
7802	1.5
8174	1
8550	0.75
9550	1.25
10225	1.25
10825	0.75
11300	1.75



FORMATION TOPS PER C-105  
 YATES 691  
 7 RIVERS 989  
 BOWERS 1407  
 QUEEN 1578  
 GRAYBURG 1927  
 LOCO HILLS 2027  
 SAN ANDRES 2351  
 BONE SPRINGS 3146  
 3RD BONE SPRINGS 8196  
 WOLFCAMP 8659  
 STRAWN 9630  
 LOWER STRAWN MARKER 9904  
 ATOKA 10201  
 MORROW CLASTICS 10712  
 LOWER MORROW 10872  
 AUSTIN CHALK 11129

CALC TOC @ 7,491'

MORROW PERFS: 10,801-10,812' (44 HOLES)

MORROW PERFS: 10,919-10,940' (80 HOLES)

GUIBERSON L PKR W/ 1.81\" ON/OFF TOOL @ 11,036'  
 -ATTEMPTED TO FISH 08/1999, COULD NOT RELEASE

MORROW PERFS 11,073-11,083' (40 HOLES)

11,300'

KDZ 10-04-2018