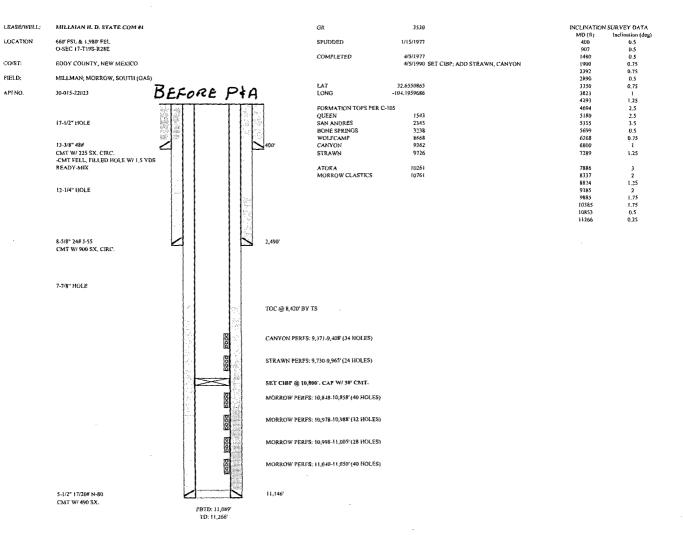
Submit 1 Copy To Appropriate District	State of New Mexico			Form C-103	
Office <u>District 1</u> ~ (575) 393-6161	Energy, Minerals and Natural Resources		WELL ADINO	Revised August 1, 2011	
1625 N. French Dr., Hobbs, NM 88240 District II – (575) 748-1283			WELL API NO. 30-015-22023		
811 S. First St., Artesia, NM 88210	OIL CONSERVATION DIVISION		5. Indicate Type of	Lease	
<u>District III</u> – (505) 334-6178 1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. Francis Dr.		STATE 🔳	FEE	
<u>District IV</u> – (505) 476-3460 1220 S. St. Francis Dr., Santa Fe, NM	Santa Fe, NM 87505		6. State Oil & Gas I	Lease No.	
87505 SUNDRY NOTIC	ES AND REPORTS ON WELLS	 }	7. Lease Name or U	Init Agreement Name	
(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.)			MILLMAN H.D. STATE COM		
	Vell: Oil Well 🔳 Gas Well 🗌 Other			8. Well Number ₁	
Name of Operator Vanguard Operating LLC			9. OGRID Number		
3. Address of Operator 5847 San Felipe St., Ste. 3000, Houston, TX 77057			10. Pool name or Wildcat Millman, Morrow, South (GAS)		
4. Well Location			<u></u>		
Unit Letter O:	660' feet from the South	line and 1	980' feet from	the East line	
Section 17		ange 28E		County Eddy	
	11. Elevation (Show whether DR)	, RKB, RT, GR, etc	.)		
The first of the second of the	G.R. 3530'				
12. Check Ap	propriate Box to Indicate N	lature of Notice,	, Report or Other D	ata	
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:					
	PLUG AND ABANDON REMEDIAL WORK ALTERING CASING				
	CHANGE PLANS ☐ COMMENCE DRILLING OPNS.☐ P AND A ☐				
	MULTIPLE COMPL	CASING/CEMEN	IT JOB 🗌		
DOWNHOLE COMMINGLE					
OTHER:		OTHER:			
 Describe proposed or completed of starting any proposed work proposed completion or record). SEE RULE 19.15.7.14 NMA				
Notify OCD 24 hrs prior to MIRU to F	%A.				
2. Set CIBP @ 9321' RIH w/ tbg tag CI	3P Circ hole w/mlf, and test CSG & C	IBP			
3. Spot 25 sx's cmt. F/ 9321'- 9221' woc & tag if csg didn't test PUH spot 25 sx's cmt @ 8670' - 8570' (Wolfcamp)				OIL CONSERVATION	
4. Perf @ 5600' (3000' Plug) sqz 60 sx's cmt @ 5600' - 5500' woc & tag 5. Perf @ 3240' sqz 60 sx's cmt 3240'- 3140' (Bone Springs) woc & tag.				ARTESIA DISTRICT	
6. Perf @ 2540' sqz 125 sx's cmt 2540' - 2295' (8 5/8" shoe, San Andres) woo & tag.				APR 0 2 2018	
7. Perf @ 1550' sqz 60 sx's cmt 1550' - 1450' (Queen) woc & tag				~ Z010	
 Perf @ 450' circ cmt to surf via 5 1/2" RD P&A equipment, cut off wellhead, 			strings	RECEIVED	
Spud Date:	Rig Release Da	ate:			
NAC THE) 0/ 1	1 4 2 42	
>ee HTTAched	U/AS	Must &	e Mugged	64 9-3-19	
I hereby certify that the information ab	ove is true and complete to the be	est of my knowledg	ge and belief.	•	
$\Omega \simeq 1$, /				
SIGNATURE ()	TITLE	Agent	DATI	3 03/29/18	
	0		\\	432-561-8600	
Type or print name	E-mail address	s: sunsetwellservice@	Dyahoo.com PHO	NE:	
For State Use Only		^			
APPROVED BY	220 TITLE STA	# 13-	DATE	4-3-18	
Conditions of Approval (if any):		•			



LEASE/WELL;

MILLMAN H. D. STATE COM #1

LOCATION

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

CO/ST:

EDDY COUNTY, NEW MEXICO

FIELD:

MILLMAN; MORROW, SOUTH (GAS)

API NO.

30-015-22023

AFTER PAA

MLF

THE WAR

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

7-7/8" HOLE

PERFE 450 CIRC CMT TO SURF VIA 5/245/2X8/8
CSG ANN WOC VERIFY CMT CSURFON ALL STRING:

PERF C 1550' SQ2 60 5x'S CMT 1550'-1450'

PERF @ 2540' SBZ 1255x's CMT 2540-2295'

PERF @ 2540' SBZ 1255x's CMT 2540-2295'

BS/8 5 HAE, 5 AN ANDRES WOC & TAG

PERFC 3240' SBZ 605x's CMT 3240'-3140' LUDE & TAG

PERFC 5600' SBZ 605x's CMT 5600'-5506' LUDE & TAG

SPOT 255x's CMT 8670'-8570'

TOC @ 8,420' BY TS

SPOT 255x's CMT 9321'-9221' WOC & TAG IF CSG

SET CIBPE 9321'

DON'T TEST

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

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

SET CIBP @ 10,800'. CAP W/ 30' CMT.

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

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

MORROW PERFS: 10,998-11,005' (28 HOLES)

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

11,146

5-1/2" 17/20# N-80 CMT W/ 490 SX.

PBTD: 11,089' TD: 11,266'

CONDITIONS FOR PLUGGING AND ABANDONMENT

District II / Artesia N.M.

The following is a guide or checklist in preparation of a plugging program, this is not all inclusive and care must be exercised in establishing special plugging programs in unique and unusual cases, Notify NMOCD District Office II at (575)-748-1283 at least 24 hours before beginning work.

- 1. A notice of intent to plug and abandon a wellbore is required to be approved before plugging operations are conducted. A cement evaluation tool is required in order to ensure isolation of producing formations, protection of water and correlative rights. A cement bond log or other accepted cement evaluation tool is to be provided to the division for evaluation if one has not been previously run or if the well did not have cement circulated to surface during the original casing cementing job or subsequent cementing jobs.
- 2. Closed loop system is to be used for entire plugging operation. Upon completion, contents of steel pits are to be hauled to a permitted disposal location.
- 3. Trucking companies being used to haul oilfield waste fluids to a disposal commercial or private shall have an approved NMOCD C-133 permit. A copy of this permit shall be available in each truck used to haul waste products. It is the responsibility of the operator as well as the contractor, to verify that this permit is in place prior to performing work. Drivers shall be able to produce a copy upon request of an NMOCD Field inspector.
- 4. Filing a subsequent C-103 will serve as notification that the well has been plugged.
- 5. A final C-103 shall be filed (and a site inspection by NMOCD Inspector to determine if the location is satisfactorily cleaned, all equipment, electric poles and trash has been removed to Meet NMOCD standards) before bonding can be released.
- 6. If the well is not plugged within 1
- 7. If work has not begun within 1 Year of the approval of this procedure, an extension request must be file stating the reason the well has not been plugged.
- 8. Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.
- 9. Produced water will not be used during any part of the plugging operation.
- 10. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water
- 11. All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater. 50' of calculated cement excess required for inside casing plugs and 100% calculated cement excess required on outside casing plugs.
- 12. Class 'C' cement will be used above 7500 feet.
- 13. Class 'H' cement will be used below 7500 feet.
- 14. A cement plug is required to be set 50' above and 50' below, casing stubs, DV tools, attempted casing cut offs, cement tops outside casing, salt sections and anywhere the casing is perforated, these plugs require a 4 hour WOC and then will be tagged
- 15. All Casing Shoes Will Be Perforated 50' below shoe depth and Attempted to be Squeezed, cement needs to be 50' above and 50' Below Casing Shoe inside the Production Casing

- 16. When setting the top out cement plug in production, intermediate and surface casing, wellbores should remain full at least 30 minutes after plugs are set
- 17. A CIBP is to be set within 100' of production perforations, capped with 100' of cement, WOC 4 hours and tag.
- 18. A CIBP with 35' of cement may be used in lieu of the 100' plug if set with a bailer. This plug will be placed within 100' of the top perforation, (WOC 4 hrs and tag).
- 19. No more than 3000' is allowed between cement plugs in cased hole and 2000' in open hole
- 20. Some of the Formations to be isolated with cement plugs are: These plugs to be set to isolate formation tops
 - A) Fusselman
 - B) Devonian
 - C) Morrow
 - D) Wolfcamp
 - E) Bone Springs
 - F) Delaware
 - G) Any salt sections
 - H) Abo
 - 1) Glorieta
 - J) Yates.
 - K) Potash--- (In the R-111-P Area (Potash Mine Area), a solid cement plug must be set across the salt section. Fluid used to mix the cement shall be saturated with the salts that are common to the section penetrated and in suitable proportions, not more than 3% calcium chloride (by weight of cement) will be considered the desired mixture whenever possible, WOC 4 hours and tag, this plug will be 50' below the bottom and 50' above the top of the Formation.
- 21. If cement does not exist behind casing strings at recommended formation depths, the casing can be cut and pulled with plugs set at recommended depths. If casing is not pulled, perforations will be shot and cement squeezed behind casing, WOC and tagged. These plugs will be set 50' below formation bottom to 50' above formation top inside the casing

DRY HOLE MARKER REQUIRMENTS

The operator shall mark the exact location of the plugged and abandoned well with a steel marker not less than four inches in diameter, 3' below ground level with a plate of at least ¼" welded to the top of the casing and the dry hole marker welded on the plate with the following information welded on the dry hole marker:

1. Operator name 2. Lease and Well Number 3.API Number 4. Unit Letter 5. Quarter Section (feet from the North, South, East or West) 6. Section, Township and Range 7. Plugging Date 8. County (SPECIAL CASES)------AGRICULTURE OR PRARIE CHICKEN BREEDING AREAS

In these areas, a below ground marker is required with all pertinent information mentioned above on a plate, set 3' below ground level, a picture of the plate will be supplied to NMOCD for record, the exact location of the marker (longitude and latitude by GPS) will be provided to NMOCD (We typically require a current survey to verify the GPS)