

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

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

RECORD CLEANER

Form C-103
Revised July 18, 2013

WELL API NO.
30-025-38296

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name
H S TURNER

8. Well Number #10

9. OGRID Number 258350

10. Pool name or Wildcat
Blinebry Oil & Gas (6660)
Tubb Oil & Gas (60240)

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 ☐

2. Name of Operator
VANGUARD OPERATING, LLC.

3. Address of Operator
c/o Mike Pippin LLC, 3104 N. Sullivan, Farmington, NM 87401

4. Well Location

Unit Letter N : 1110 feet from the SOUTH line and 2130 feet from the West line
Section 29 Township 21-S Range 37-E NMPM Lea County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3396' 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: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: Drill CBP & DHC as per DHC-202-0 ☒

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.

Since its recompletion on 12/30/13, this well has been producing only from the Upper Blinebry perms, (5526'-5734') with the lower Blinebry perms (5835'-5864') & Tubb perms (6063'-6227') SI below a CBP @ 5781'.

On 2/18/14, MIRUSU. TOH w/rods, pump, & tbg. CO to 5-1/2" CBP @ 5781'. Drilled CBP @ 5781' & CO to 6414'. On 2/21/14, landed tbg @ 6280'. Ran pump, & rods. Initiated commingled production of Blinebry & Tubb as per State order DHC-202-0. Released rig on 2/22/14. See attached wellbore diagram. Since additional Blinebry was added to the commingle, the commingle allocations had to be changed from the original order. These allocations will be in effect starting from this work, which was completed on 12/22/14. See the attached calculations.

<u>POOL</u>	<u>OIL</u>	<u>GAS</u>
Blinebry	73%	61%
Tubb	27%	39%

Spud Date: 3/30/07

Drilling Rig Release Date: 4/14/07

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Mike Pippin TITLE Petroleum Engineer - Agent DATE 2/17/18

Type or print name Mike Pippin E-mail address: mike@pippinllc.com PHONE: 505-327-4573

For State Use Only

APPROVED BY: Karen Sharp TITLE Staff Mgr DATE 3-1-18
Conditions of Approval (if any):

VANGUARD OPERATING, LLC
H S TURNER #10
 Blinebry Oil & Gas (6660) & Tubb Oil & Gas (60240)
 N Section 29 T21S R37E
 2/17/2018
 API#: 30-025-38296

Commingle Allocation Calculations

In October 2013, the Lower Blinebry & Tubb were producing DHC & each pool was allocated 16 BOPM, 664 MCF/M, & 237 BWPM as per State order DHC-202-0,.

On 12/30/13, additional Blinebry (Upper) was completed & placed on line alone for a test. In January 2014, the Upper Blinebry, alone, tested for 28 BOPM, 356 MCF/M, & 168 BWPM.

On 2/22/14, the Upper Blinebry, was downhole commingled with the Lower Blinebry & Tubb. The new pool allocations were then calculated as follows:

	Upper Blinebry Jan. 2014	+	Total DHC Oct. 2013		Total
Total Oil (bbls/m)	28	+	32	=	60 bbls/m
Total Gas (mcf/m)	356	+	1328	=	1684 mcf/m
Total Water (bbls/m)	168	+	474	=	642 bbls/m

OIL ALLOCATION

Blinebry = 28 + 16 = 44 BOPM

Tubb = 16 BOPM

Total oil = 60 BOPM

% Blinebry = $\frac{44}{60} = \underline{73\%}$

% Tubb = $\frac{16}{60} = \underline{27\%}$

GAS ALLOCATION

Blinebry = 356 + 664 = 1020 MCF/M

Tubb = 664 MCF/M

Total gas = 1684 MCF/M

% Blinebry = $\frac{1020}{1684} = \underline{61\%}$

% Tubb = $\frac{664}{1684} = \underline{39\%}$

WATER ALLOCATION

Blinebry = 168 + 237 = 405 BWPM

Tubb = 237 BWPM

Total gas = 642 BWPM

% Blinebry = $\frac{405}{642} = \underline{63\%}$

% Tubb = $\frac{237}{642} = \underline{37\%}$

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Phone: (505) 334-6178 Fax: (505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3470 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-1092
Permit 47474

HOBBS OCD
FEB 23 2018
RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-38296	2. Pool Code 60240	3. Pool Name TUBB OIL AND GAS (OIL)
4. Property Code 301557	5. Property Name H S TURNER	6. Well No. 010
7. OGRID No 227588	8. Operator Name RANGE OPERATING NEW MEXICO INC	9. Elevation 3467

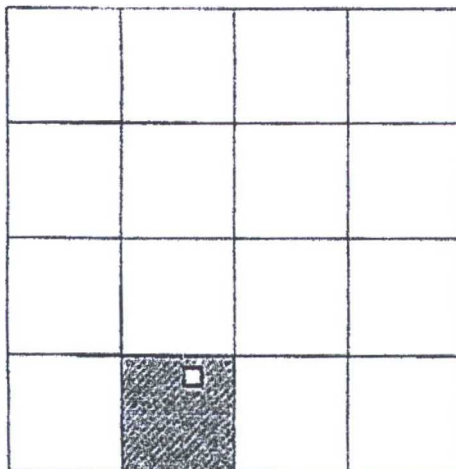
10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
N	29	21S	37E		1110	S	2130	W	LEA

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 40.00	13. Joint or Infill	14. Consolidation Code	15. Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

**OPERATOR CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division

E-Signed By: Linda Stiles

Title: Sr Engineering Tech

Date: 2/27/2007

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief

Surveyed By: Gary Eidson

Date of Survey: 12/12/2006

Certificate Number: 12541

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State of New Mexico
Energy, Minerals and Natural Resources

Oil Conservation Division**1220 S. St Francis Dr.****Santa Fe, NM 87505**

Form U-104
Permit 47474

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-38296	2. Pool Code 6660	3. Pool Name BLINEBRY OIL AND GAS (OIL)
4. Property Code 301557	5. Property Name H S TURNER	6. Well No. 010
7. OGRID No 227588	8. Operator Name RANGE OPERATING NEW MEXICO INC	9. Elevation 3467

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Date of Survey: 12/12/2006

Certificate Number: 12541

LEASE/WELL: HS TURNER #10
 LOCATION 110' FSL & 2,130' FWL
 N-SEC 29-T21S-R37E
 CO/ST: LEA COUNTY, NEW MEXICO
 FIELD: BLINEBRY OIL & GAS
 TUBB OIL & GAS
 API NO. 30-025-38296

GR 3467
 SPUDDED 3/30/2007
 COMPLETED 4/27/2007 ORIGINAL BLINEBRY/TUBB COMPLI
 12/30/2013 BLINEBRY PAY-ADD
 2/21/2014 DHC
 LAT 32.4456711
 LONG -103.186699

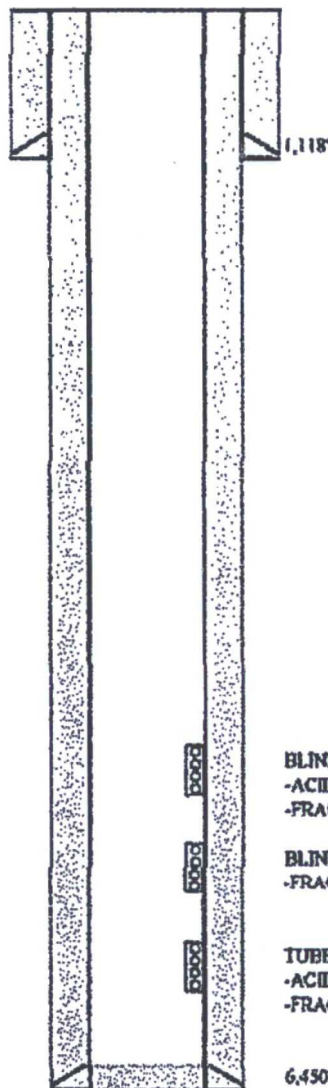
FORMATION TOPS PER C-105

ANHYDRITE	1206
YATES	2679
SEVEN RIVERS	2843
QUEEN	3309
GRAYBURG	3634
SAN ANDRES	3864
GLORIETA	5081
PADDOCK	5215
BLINEBRY	5435
TUBB	6057
DRINKARD	6242

ORIGINAL COMMINGLE ALLOCATIONS PER HOB-0202:
 BLINEBRY: 50% OIL, 50% GAS, 50% WATER
 TUBB: 50% OIL, 50% GAS, 50% WATER

12-1/4" HOLE

8-5/8" 24# J-55
 CMT W/ 500 SX. CIRC.



7-7/8" HOLE

5-1/2" 17# J-55
 CMT W/ 700 SX.

PBTD: 6,439'
 TD: 6,506'

BLINEBRY PERFS: 5,526-5,530'; 5,660-5,662'; 5,728-5,734' (36 HOLES)
 -ACIDIZE W/ 2,500 GALS 15% NEFE
 -FRAC W/ 93,220# (60,780# 20/40 BRADY & 32,440# GARNET)

BLINEBRY PERFS: 5,835-5,839'; 5,861-5,864' (21 HOLES)
 -FRAC W/ 50,000# 16/30 OTTAWA & 30,000# 16/30 RC SAND IN 1,474 BBLs DYNAFRAC XL

TUBB PERFS: 6,063-6,066'; 6,186-6,189'; 6,224-6,227' (27 HOLES)
 -ACIDIZE W/ 1,500 GALS 15% NEFE
 -FRAC W/ 91,500# 16/30 OTTAWA & 40,000# 16/30 RC SAND IN 2,152 BBLs DYNAFRAC XL

6,450'

KDZ 02-16-2018