

Submit a 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

WELL API NO. 30-015-55329
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Little Betty 20
8. Well Number 501H
9. OGRID Number 330396
10. Pool name or Wildcat Fenton; Bone Spring
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3222' GL

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
Avant Operating, LLC

3. Address of Operator
1515 Wynkoop Street, Suite 700. Denver, CO 80202

4. Well Location
Unit Letter A : 1240 feet from the N line and 310 feet from the E line
Section 20 Township 21S Range 28E NMPM County Eddy

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
DOWNHOLE COMMINGLE <input type="checkbox"/>	P AND A <input type="checkbox"/>
CLOSED-LOOP SYSTEM <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>
OTHER: <input type="checkbox"/>	OTHER: <input type="checkbox"/>

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.

Avant Operating, LLC would like to request to update the 13-3/8" casing depth to 955' to avoid the possibility of having to run DV tools in both intermediate sections. Please see attached updated WBS to reflect this change.

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 Contract Regulatory Analyst DATE 8/28/2024

Type or print name Meghan Twele E-mail address: mtwele@outlook.com PHONE: 720-339-6880

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

API:
REGULATORY: NMOCD
PERMIT #



Little Betty 20 State #501H

Bone Springs

Eddy County, NM

AFE: NM0043

RIG: H&P 255
KB: 25.5
GL: 3222

SHL:

Sec. 20, T-21S, R-28E; 1240 FNL, 310 FEL

Lat: 32.4695969, Long: -104.1012261 (NAD83)

HOLE SIZE	MD	FORMATION	TVD	MUD	CASING	CEMENT	SPECIAL INSTRUCTIONS
	120	30" Conductor	120	SPUD MW	20 "	Top of Lead: Surface 20% Excess	Circ cmt to surface is a regulatory requirement
24"				8.4 ppg	94# J-55 BTC	Top of Tail: 100' 20% Excess	Casing must be set 25' into the Rustler
	385	Rustler	385	FRESH TD MW	+/- 5 Bowsprings		MUD: Fresh water only
	400	SURF CSG PT	400	10.0 ppg	1 joint shoe track		
17.5"				DRLOUT MW	13 3/8 "	Top of Lead: Surface 20% OH Excess	Circ cmt to surface is a regulatory requirement
	1,025	Solado	1,025	10.0 ppg	54.5# J-55 BTC	Top of Tail: 831' 20% Excess	
				BRINE TD MW	+/- 10 Bowsprings		
	955	INTRM1 CSG PT	955	10.5 ppg	1 joint shoe track		
12.25"				DRILLOUT MW	9 5/8 "	Top of Lead: Surface 20% OH Excess	
	1,181	Capitan Reef	1,181	8.4 ppg	40# J-55 BTC	Top of Tail: 2487' 20% Excess	
				FRESH TD MW	+/- 15 Bowsprings		
	3,009	Cherry Canyon	2,993	8.4 ppg	1 joint shoe track		
	3,109	INTRM2 CSG PT	3,093				
VERT 8.75"				DRLOUT MW	5 1/2 "		
	4,441	Brushy Canyon	4,385	9.2 ppg	20# P-110 HC GBCD		
				CUT BRINE KOP MW			
	7,005	1st BS Sand	6,887	9.5 ppg			
CRV 8.75"				CUT BRINE EOC MW			
	7,724	2nd BS Sand	7,593	9.5 ppg	OBM	TD MW 9.5 ppg	13,623 MD
	7,779	KOP	7,648				4,873 VS
LAT 8.75"							8,125 TVD
	8,529	EOC	8,125	VS: -221'	Est. BHST = 146°, Est. BHCT = 129°		BHL: 330' FNL, 100' FWL
					+/- 31 Singlebows 3,009 - 7,579 +/- 27 Doublebows 7,579 - 8,729 +/- 60.6 Solid bodies 8,729 - 13,623	Top of Lead: Surface 20% OH Excess Top of Tail: 7779' (KOP) 20% Excess	Expected BH Pressure: 3803

PRELIMINARY

DIRECTIONS TO LOCAITON:

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Santa Fe, NM 87505

CONDITIONS

Action 378624

CONDITIONS

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 378624
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	All original COA's still apply. Additionally, if cement is not circulated to surface during cementing operations, then a CBL is required.	8/28/2024