

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

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

Form C-103  
Revised July 18, 2013

WELL API NO. 30-015-55346	
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 502H	
9. OGRID Number 330396	
10. Pool name or Wildcat Fenton; Bone Spring	
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 checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> 2. Name of Operator Avant Operating, LLC 3. Address of Operator 1515 Wynkoop Street, Suite 700. Denver, CO 80202 4. Well Location Unit Letter <u>A</u> : <u>1260</u> feet from the <u>N</u> line and <u>310</u> feet from the <u>E</u> line Section <u>20</u> Township <u>21S</u> Range <u>28E</u> NMPM County <u>Eddy</u> 11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3221' GL	

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 #502H

Bone Springs

Eddy County, NM

AFE: NM0044

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

SHL:

Sec. 20, T-21S, R-28E; 1260 FNL, 310 FEL

Lat: 32.4695418, Long: -104.1012271 (NAD83)

HOLE SIZE	MD	FORMATION	TVD	MUD	CASING	CEMENT	SPECIAL INSTRUCTIONS
	120	30" Conductor	120	SPUD MW	20 "	Top of Lead: Surface 20% Excess	<b>Circ cmt to surface is a regulatory requirement</b>
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	<b>FRESH</b>			
	400	SURF CSG PT	400	TD MW +/- 5 Bowsprings			<b>MUD:</b> Fresh water only
				10.0 ppg	1 joint shoe track		
17.5"				DRLOUT MW	13 3/8 "	Top of Lead: Surface 20% OH Excess	<b>Circ cmt to surface is a regulatory requirement</b>
	1,025	Solado	1,025	10.0 ppg	54.5# J-55 BTC	Top of Tail: 831' 20% Excess	
				<b>BRINE</b>			
				TD MW +/- 10 Bowsprings			
				10.5 ppg	1 joint shoe track		
12.25"	1,181	Capitan Reef	1,181	DRILLOUT MW	9 5/8 "	Top of Lead: Surface 20% OH Excess	
				8.4 ppg	40# J-55 BTC	Top of Tail: 2480' 20% Excess	
				<b>FRESH</b>			
	3,000	Cherry Canyon	2,993	TD MW +/- 15 Bowsprings			
	3,100	INTRM2 CSG PT	3,093	8.4 ppg	1 joint shoe track		
VERT				DRLOUT MW	5 1/2 "		
8.75"	4,406	Brushy Canyon	4,385	9.2 ppg	20# P-110 HC GBCD		
				<b>CUT BRINE</b>			
	6,923	1st BS Sand	6,887	KOP MW			
				9.5 ppg			
CRV	7,641	2nd BS Sand	7,593	EOC MW			
8.75"	7,696	KOP	7,648	<b>CUT BRINE</b> 9.5 ppg	<b>OBM</b>	TD MW 9.5 ppg	13,543 MD
							4,889 VS
LAT							8,125 TVD
8.75"	8,446	EOC	8,125	VS: -207'	Est. BHST = 146°, Est. BHCT = 129°	BHL: 1430' FNL, 100' FWL	Expected BH Pressure: 3803
				+/- 30 Singlebows 3,000 - 7,496 +/- 27 Doublebows 7,496 - 8,646 +/- 60.7 Solid bodies 8,646 - 13,543	Top of Lead: Surface 20% OH Excess  Top of Tail: 7696' (KOP) 20% Excess		
DIRECTIONS TO LOCAITON:							

PRELIMINARY

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Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 378632

CONDITIONS

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 378632
	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