

C-104 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024
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REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT**Section 1 - Operator and Well Information**

Submittal Type: ☒ Test Allowable (C-104RT) ☐ New Well (C-104NW) ☐ Recomplete (C-104RC) ☐ Pay Add (C-104RC) ☐ Amended	
Operator Name: Avant Operating, LLC	OGRID: 330396
Property Name and Well Number: Little Betty 20 703H	Property Code: 335623
Mineral Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal	API Number: 30-015-54870
Pool Name: Lone Tree Draw; Wolfcamp	Pool Code: 97208

The preliminary SHL for the 703H was 2629.950 which rounds to 2630'FNL. After well spud SHL survey gathered was 2629.111 which rounds to 2629' (.83difference). **Section 2 – Surface Location**

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
H	20	21S	28E		2629 FNL	150 FEL	32.465778	-104.100770	Eddy

Section 3 – Completion Information

Producing Method	Ready Date	Perforations MD	Perforations TVD
Flowing—TBG	8/11/2024	9,622'-14,429'	9,488'-9,406'

Section 4 – Action IDs for Submissions and Order Numbers

List Action IDs for Drilling Sundries	Was an Order required / needed (Y/N), if yes list Order number:
C-104 RT Action ID (if C-104NW):	Communitization Agreement ☐ Yes ☒ No, Order No.
Surface Casing Action ID: 347764	Unit: ☐ Yes ☒ No, Order No.
Intermediate 1 Casing Action ID: 347764	Compulsory Pooling: ☐ Yes ☒ No, Order No.
Intermediate 2 Casing Action ID: n/a	Down Hole Commingling: ☐ Yes ☒ No, Order No.
Production Casing Action ID: 348729	Surface Commingling: ☐ Yes ☒ No, Order No.
All casing was pressure tested in accordance with NMAC ☒ Yes ☐ No	Non-standard Location: ☐ Yes ☒ No ☐ Common ownership Order No.
Liner 1 Action ID: n/a	Non-standard Proration: ☒ Yes ☐ No, Order No. NSP - 2195
Casing was installed prior to OCD's Action ID system (Y/N): No	Simultaneous Dedication: ☐ Yes ☒ No, Order No.

Section 5 - Operator Signature and Certification

☒ I hereby certify that the required Water Use Report has been, or will be, submitted for this well's completion.	
☒ I hereby certify that the required Fracfocus disclosure has been, or will be, submitted for this well's completion.	
☒ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.	
Name Meghan Twele	
Title Contract Regulatory Analyst	Date 11/5/2024

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION AS-DRILLED	Revised July 9, 2024	
		Submittal Type:	☐ Initial Submittal ☐ Amended Report ☒ As Drilled

WELL LOCATION INFORMATION

API Number 30-015-54870	Pool Code 97208	Pool Name Lone Tree Draw; Wolfcamp
Property Code 335623	Property Name LITTLE BETTY 20	Well Number 703H
OGRID No. 330396	Operator Name AVANT OPERATING, LLC	Ground Level Elevation 3224.0
Surface Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
H	20	21 S	28 E		2629 FNL	150 FEL	32.4657781° N	104.1007700° W	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
E	20	21 S	28 E		2525 FNL	73 FWL	32.4660825° N	104.1172245° W	EDDY

Dedicated Acres 480	Infill or Defining Well Infill	Defining Well API 30-015-54872	Overlapping Spacing Unit (Y/N) No	Consolidation Code
Order Numbers. NSP - 2195			Well setbacks are under Common Ownership: ☐ Yes ☒ No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
H	20	21 S	28 E		2535 FNL	64 FEL	32.4660365° N	104.1004861° W	EDDY

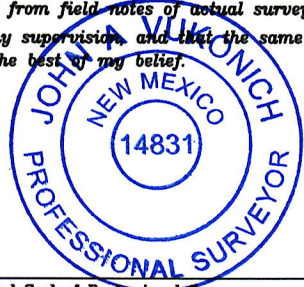
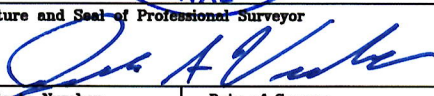
First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
H	20	21 S	28 E		2514 FNL	377 FEL	32.4660955° N	104.1014991° W	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
E	20	21 S	28 E		2523 FNL	131 FWL	32.4660897° N	104.1170367° W	EDDY

Unitized Area or Area of Uniform Interest No	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3197'
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OPERATOR CERTIFICATIONS I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division. Signature  Date 9/1/2024 Printed Name Meghan Twele E-mail Address mtwele@outlook.com	SURVEYOR CERTIFICATIONS 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.  Signature and Seal of Professional Surveyor  Certificate Number 14831 Date of Survey 08/07/24 
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Note: 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.

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.

Plat Revised: 8/15/24

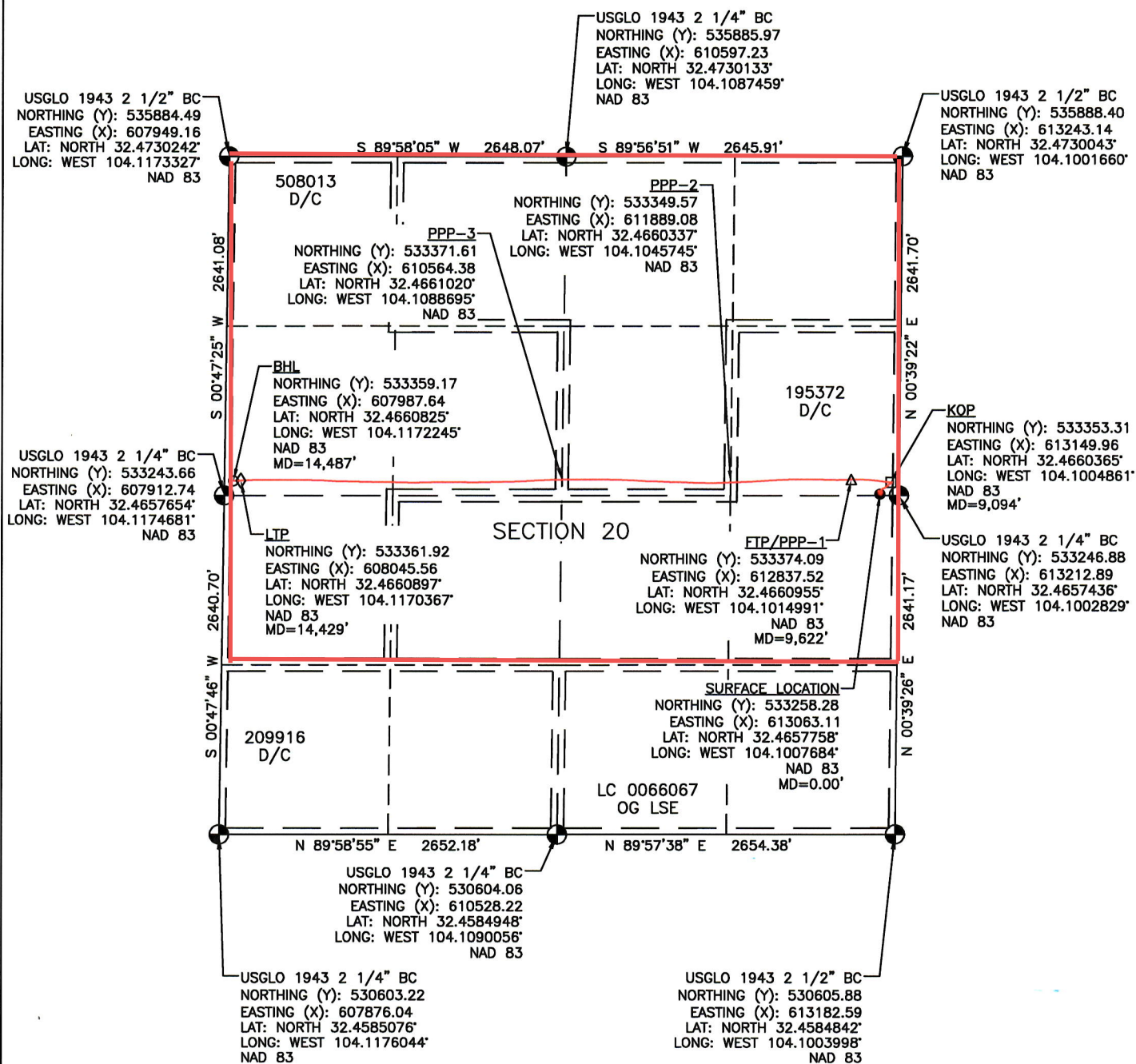
LEGEND:

- = SURFACE LOCATION (SHL)
- = KICK OFF POINT (KOP)
- △ = FTP/PPP-1
- ◇ = LAST TAKE POINT (LTP)
- = BHL
- ⊙ = FOUND MONUMENT

NOTE:
DOWNHOLE INFO TAKEN FROM
A REPORT FURNISHED BY
AVANT OPERATING, LLC

NOTE: BEARINGS AND DISTANCES
SHOWN ARE REFERENCED TO THE
NEW MEXICO COORDINATE SYSTEM,
EAST ZONE, NAD 83, UNLESS
OTHERWISE NOTED

FOOTAGES		
SHL	2629' FNL	150' FEL
KOP	2535' FNL	64' FEL
FTP/PPP-1	2514' FNL	377' FEL
PPP-2	2538' FNL	1325' FEL
PPP-2	2514' FNL	2650' FEL
LTP	2523' FNL	131' FWL
BHL	2525' FNL	73' FWL





Avant Operating, LLC

Eddy County, NM (N83 - NME)

Little Betty 20 Pad 2

(01) Little Betty 20 703H

30-015-54870

703H

Design: Surveys

Standard Survey Report

30 May, 2024

The logo for DIXON, featuring the word "DIXON" in a bold, black, sans-serif font. The letters are slightly italicized. Red diagonal lines are drawn across the letters: one across the 'D', one across the 'X', and one across the 'O'.



Dixon Survey Report



Company:	Avant Operating, LLC	Local Co-ordinate Reference:	Well (01) Little Betty 20 703H
Project:	Eddy County, NM (N83 - NME)	TVD Reference:	WELL @ 3250.50usft (3250.5)
Site:	Little Betty 20 Pad 2	MD Reference:	WELL @ 3250.50usft (3250.5)
Well:	(01) Little Betty 20 703H	North Reference:	Grid
Wellbore:	703H	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	dixon-compass

Project	Eddy County, NM (N83 - NME),		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Little Betty 20 Pad 2		
Site Position:		Northing:	533,258.28 usft
From:	Map	Easting:	613,063.11 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.46577580
		Longitude:	-104.10076841

Well	(01) Little Betty 20 703H		
Well Position	+N/-S	0.00 usft	Northing: 533,258.28 usft
	+E/-W	0.00 usft	Easting: 613,063.12 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
Grid Convergence:	0.125 °	Ground Level:	3,225.00 usft

Wellbore	703H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	5/18/2024	6.466	59.946	47,279.96314339

Design	Surveys				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	269.96	

Survey Program	Date	5/30/2024			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
200.00	14,487.00	Dixon MWD Surveys (703H)	MWD	OWSG MWD - Standard	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.41	165.54	200.00	-0.69	0.18	-0.18	0.21	0.21	0.00	
261.00	0.35	111.68	261.00	-0.97	0.41	-0.41	0.57	-0.10	-88.30	
321.00	0.11	53.75	321.00	-1.01	0.62	-0.62	0.51	-0.40	-96.55	
381.00	0.45	160.89	381.00	-1.20	0.75	-0.75	0.82	0.57	178.57	
394.00	0.45	140.81	394.00	-1.28	0.80	-0.79	1.21	0.00	-154.46	
529.00	0.16	82.25	528.99	-1.67	1.32	-1.32	0.29	-0.21	-43.38	
648.00	0.50	93.03	647.99	-1.67	2.00	-2.00	0.29	0.29	9.06	
707.00	0.43	102.87	706.99	-1.74	2.47	-2.47	0.18	-0.12	16.68	
767.00	0.62	88.86	766.99	-1.78	3.02	-3.02	0.38	0.32	-23.35	



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Site:	Little Betty 20 Pad 2	MD Reference:	WELL @ 3250.50usft (3250.5)
Well:	(01) Little Betty 20 703H	North Reference:	Grid
Wellbore:	703H	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	dixon-compass

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
826.00	0.51	129.44	825.98	-1.94	3.54	-3.54	0.69	-0.19	68.78
886.00	0.55	119.57	885.98	-2.25	4.00	-3.99	0.17	0.07	-16.45
946.00	0.58	120.78	945.98	-2.55	4.51	-4.51	0.05	0.05	2.02
1,038.00	1.25	88.37	1,037.97	-2.76	5.91	-5.91	0.89	0.73	-35.23
1,132.00	1.47	93.26	1,131.94	-2.80	8.14	-8.14	0.26	0.23	5.20
1,224.00	0.32	89.46	1,223.93	-2.86	9.57	-9.57	1.25	-1.25	-4.13
1,317.00	0.40	67.26	1,316.93	-2.74	10.13	-10.13	0.17	0.09	-23.87
1,411.00	0.72	350.99	1,410.92	-2.03	10.34	-10.34	0.78	0.34	-81.14
1,505.00	0.91	313.62	1,504.91	-0.93	9.71	-9.71	0.59	0.20	-39.76
1,599.00	1.52	292.09	1,598.89	0.06	8.02	-8.02	0.80	0.65	-22.90
1,693.00	1.43	297.42	1,692.86	1.07	5.82	-5.82	0.17	-0.10	5.67
1,787.00	1.08	298.12	1,786.84	2.02	4.00	-4.00	0.37	-0.37	0.74
1,880.00	0.95	292.17	1,879.82	2.73	2.51	-2.51	0.18	-0.14	-6.40
1,974.00	0.89	306.32	1,973.81	3.45	1.20	-1.20	0.25	-0.06	15.05
2,067.00	0.84	309.98	2,066.80	4.32	0.10	-0.10	0.08	-0.05	3.94
2,161.00	0.75	309.44	2,160.79	5.15	-0.91	0.90	0.10	-0.10	-0.57
2,256.00	1.18	305.08	2,255.78	6.11	-2.19	2.18	0.46	0.45	-4.59
2,349.00	1.20	334.69	2,348.76	7.54	-3.39	3.38	0.65	0.02	31.84
2,442.00	1.09	332.54	2,441.74	9.21	-4.21	4.21	0.13	-0.12	-2.31
2,536.00	0.98	334.66	2,535.73	10.73	-4.97	4.96	0.12	-0.12	2.26
2,629.00	1.43	348.00	2,628.71	12.58	-5.55	5.54	0.57	0.48	14.34
2,723.00	1.50	354.89	2,722.67	14.95	-5.90	5.89	0.20	0.07	7.33
2,816.00	1.63	345.37	2,815.64	17.44	-6.35	6.33	0.31	0.14	-10.24
2,911.00	1.33	343.16	2,910.61	19.81	-7.01	6.99	0.32	-0.32	-2.33
3,005.00	0.63	267.34	3,004.60	20.83	-7.84	7.83	1.41	-0.74	-80.66
3,099.00	1.00	237.09	3,098.59	20.36	-9.04	9.03	0.59	0.39	-32.18
3,175.00	1.06	254.69	3,174.58	19.81	-10.28	10.27	0.42	0.08	23.16
3,212.00	0.92	280.80	3,211.57	19.78	-10.90	10.89	1.26	-0.38	70.57
3,306.00	0.63	318.34	3,305.56	20.30	-11.99	11.97	0.61	-0.31	39.94
3,400.00	0.68	345.23	3,399.56	21.23	-12.47	12.46	0.33	0.05	28.61
3,497.00	0.78	355.27	3,496.55	22.44	-12.67	12.66	0.17	0.10	10.35
3,591.00	0.92	14.42	3,590.54	23.81	-12.54	12.52	0.33	0.15	20.37
3,684.00	0.87	3.26	3,683.53	25.24	-12.31	12.29	0.19	-0.05	-12.00
3,778.00	0.55	348.54	3,777.52	26.40	-12.36	12.34	0.39	-0.34	-15.66
3,872.00	0.78	24.71	3,871.51	27.42	-12.18	12.16	0.50	0.24	38.48
3,965.00	2.09	111.34	3,964.49	27.38	-10.34	10.32	2.35	1.41	93.15
4,058.00	2.17	121.34	4,057.43	25.84	-7.26	7.24	0.41	0.09	10.75
4,152.00	2.52	114.83	4,151.35	24.05	-3.86	3.84	0.47	0.37	-6.93
4,246.00	2.34	111.85	4,245.26	22.47	-0.20	0.19	0.23	-0.19	-3.17
4,339.00	2.36	96.63	4,338.19	21.54	3.46	-3.48	0.67	0.02	-16.37
4,432.00	1.76	88.87	4,431.12	21.35	6.79	-6.81	0.71	-0.65	-8.34
4,526.00	1.60	103.05	4,525.08	21.08	9.51	-9.53	0.47	-0.17	15.09
4,620.00	1.57	90.86	4,619.05	20.76	12.08	-12.09	0.36	-0.03	-12.97



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Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,714.00	1.23	104.83	4,713.02	20.49	14.34	-14.36	0.51	-0.36	14.86
4,807.00	1.42	108.69	4,806.00	19.86	16.40	-16.41	0.23	0.20	4.15
4,900.00	1.39	183.79	4,898.98	18.37	17.42	-17.43	1.84	-0.03	80.75
4,995.00	1.43	185.51	4,993.95	16.04	17.23	-17.24	0.06	0.04	1.81
5,088.00	1.49	190.17	5,086.92	13.69	16.90	-16.91	0.14	0.06	5.01
5,182.00	1.11	195.09	5,180.89	11.61	16.45	-16.46	0.42	-0.40	5.23
5,276.00	1.38	196.40	5,274.87	9.65	15.89	-15.90	0.29	0.29	1.39
5,370.00	0.84	211.57	5,368.85	7.97	15.21	-15.22	0.65	-0.57	16.14
5,463.00	0.63	218.71	5,461.84	6.99	14.53	-14.54	0.25	-0.23	7.68
5,557.00	0.99	243.85	5,555.84	6.23	13.48	-13.49	0.53	0.38	26.74
5,650.00	0.60	245.65	5,648.83	5.68	12.32	-12.32	0.42	-0.42	1.94
5,744.00	0.63	280.62	5,742.82	5.57	11.36	-11.36	0.39	0.03	37.20
5,838.00	0.85	297.27	5,836.81	5.98	10.23	-10.24	0.32	0.23	17.71
5,932.00	0.87	293.10	5,930.80	6.58	8.96	-8.96	0.07	0.02	-4.44
6,026.00	1.27	285.19	6,024.79	7.14	7.29	-7.30	0.45	0.43	-8.41
6,213.00	1.54	285.56	6,211.73	8.35	2.87	-2.88	0.14	0.14	0.20
6,307.00	2.17	286.87	6,305.68	9.21	-0.05	0.04	0.67	0.67	1.39
6,401.00	0.97	241.55	6,399.65	9.35	-2.45	2.44	1.74	-1.28	-48.21
6,495.00	0.78	227.35	6,493.63	8.53	-3.62	3.61	0.31	-0.20	-15.11
6,589.00	1.70	212.78	6,587.61	6.93	-4.84	4.84	1.03	0.98	-15.50
6,682.00	2.33	214.21	6,680.55	4.20	-6.65	6.65	0.68	0.68	1.54
6,776.00	0.34	283.82	6,774.53	2.69	-8.00	8.00	2.38	-2.12	74.05
6,869.00	1.04	352.81	6,867.52	3.59	-8.37	8.37	1.04	0.75	74.18
6,962.00	2.66	26.83	6,960.47	6.36	-7.50	7.50	2.03	1.74	36.58
7,056.00	4.48	44.42	7,054.29	10.93	-3.95	3.94	2.24	1.94	18.71
7,149.00	4.61	38.43	7,147.00	16.45	0.92	-0.93	0.53	0.14	-6.44
7,243.00	3.49	28.76	7,240.76	21.92	4.64	-4.66	1.39	-1.19	-10.29
7,337.00	4.07	27.87	7,334.56	27.37	7.58	-7.60	0.62	0.62	-0.95
7,431.00	4.72	28.38	7,428.28	33.72	10.97	-11.00	0.69	0.69	0.54
7,525.00	6.03	55.81	7,521.88	39.90	16.90	-16.93	3.03	1.39	29.18
7,619.00	5.20	61.76	7,615.43	44.69	24.73	-24.77	1.08	-0.88	6.33
7,713.00	2.78	88.64	7,709.20	46.76	30.77	-30.80	3.19	-2.57	28.60
7,807.00	2.84	65.87	7,803.09	47.77	35.17	-35.20	1.18	0.06	-24.22
7,919.00	5.49	46.39	7,914.79	52.60	41.58	-41.62	2.65	2.37	-17.39
8,012.00	6.22	50.17	8,007.30	58.90	48.67	-48.72	0.89	0.78	4.06
8,105.00	5.21	51.67	8,099.84	64.74	55.86	-55.90	1.10	-1.09	1.61
8,198.00	4.55	50.73	8,192.50	69.70	62.02	-62.07	0.71	-0.71	-1.01
8,292.00	2.50	49.12	8,286.32	73.40	66.46	-66.51	2.18	-2.18	-1.71
8,386.00	3.98	50.91	8,380.17	76.80	70.54	-70.60	1.58	1.57	1.90
8,480.00	1.95	69.53	8,474.04	79.41	74.57	-74.63	2.36	-2.16	19.81
8,574.00	4.97	55.15	8,567.86	82.30	79.42	-79.47	3.32	3.21	-15.30
8,668.00	4.30	47.45	8,661.55	87.01	85.35	-85.41	0.97	-0.71	-8.19
8,762.00	5.03	58.18	8,755.24	91.57	91.45	-91.51	1.21	0.78	11.41



Dixon Survey Report



Company:	Avant Operating, LLC	Local Co-ordinate Reference:	Well (01) Little Betty 20 703H
Project:	Eddy County, NM (N83 - NME)	TVD Reference:	WELL @ 3250.50usft (3250.5)
Site:	Little Betty 20 Pad 2	MD Reference:	WELL @ 3250.50usft (3250.5)
Well:	(01) Little Betty 20 703H	North Reference:	Grid
Wellbore:	703H	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	dixon-compass

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,856.00	1.73	73.66	8,849.06	94.14	96.32	-96.38	3.61	-3.51	16.47
8,949.00	2.14	285.00	8,942.04	94.98	95.99	-96.05	4.01	0.44	-159.85
9,043.00	3.02	266.05	9,035.95	95.27	91.82	-91.89	1.29	0.94	-20.16
9,073.00	2.80	251.20	9,065.91	94.98	90.34	-90.40	2.61	-0.73	-49.50
9,168.00	16.58	274.36	9,159.35	95.26	74.55	-74.61	14.79	14.51	24.38
9,261.00	31.90	277.19	9,243.90	99.37	36.71	-36.78	16.52	16.47	3.04
9,355.00	44.45	277.46	9,317.65	106.78	-20.80	20.72	13.35	13.35	0.29
9,448.00	48.43	274.68	9,381.73	113.85	-87.79	87.71	4.80	4.28	-2.99
9,542.00	50.76	270.08	9,442.67	116.77	-159.27	159.19	4.47	2.48	-4.89
9,635.00	61.52	268.37	9,494.42	115.66	-236.37	236.29	11.67	11.57	-1.84
9,729.00	77.18	269.64	9,527.46	114.18	-324.04	323.96	16.71	16.66	1.35
9,753.00	81.78	270.61	9,531.84	114.24	-347.63	347.55	19.57	19.17	4.04
9,847.00	86.48	271.50	9,541.46	115.96	-441.10	441.02	5.09	5.00	0.95
9,940.00	89.09	270.35	9,545.05	117.46	-534.01	533.92	3.07	2.81	-1.24
10,034.00	93.88	269.30	9,542.61	117.17	-627.95	627.86	5.22	5.10	-1.12
10,127.00	93.69	269.16	9,536.48	115.93	-720.73	720.65	0.25	-0.20	-0.15
10,221.00	92.20	266.46	9,531.65	112.34	-814.53	814.45	3.28	-1.59	-2.87
10,315.00	90.27	264.87	9,529.62	105.24	-908.23	908.16	2.66	-2.05	-1.69
10,408.00	93.33	267.54	9,526.70	99.08	-1,000.96	1,000.89	4.37	3.29	2.87
10,501.00	93.95	267.81	9,520.79	95.32	-1,093.70	1,093.63	0.73	0.67	0.29
10,595.00	90.49	266.45	9,517.15	90.61	-1,187.49	1,187.43	3.95	-3.68	-1.45
10,688.00	89.73	268.42	9,516.97	86.45	-1,280.39	1,280.33	2.27	-0.82	2.12
10,781.00	90.18	271.81	9,517.05	86.64	-1,373.38	1,373.32	3.68	0.48	3.65
10,874.00	92.79	272.51	9,514.64	90.14	-1,466.27	1,466.21	2.91	2.81	0.75
10,968.00	91.56	271.87	9,511.07	93.73	-1,560.14	1,560.07	1.47	-1.31	-0.68
11,061.00	89.68	271.29	9,510.06	96.29	-1,653.09	1,653.02	2.12	-2.02	-0.62
11,155.00	92.14	271.92	9,508.57	98.93	-1,747.03	1,746.97	2.70	2.62	0.67
11,249.00	92.06	272.30	9,505.13	102.39	-1,840.91	1,840.84	0.41	-0.09	0.40
11,343.00	93.27	272.72	9,500.76	106.50	-1,934.71	1,934.64	1.36	1.29	0.45
11,437.00	92.48	272.68	9,496.04	110.92	-2,028.49	2,028.41	0.84	-0.84	-0.04
11,531.00	92.20	270.86	9,492.20	113.82	-2,122.36	2,122.28	1.96	-0.30	-1.94
11,624.00	90.57	270.89	9,489.95	115.24	-2,215.32	2,215.24	1.75	-1.75	0.03
11,717.00	90.41	269.86	9,489.16	115.85	-2,308.32	2,308.23	1.12	-0.17	-1.11
11,811.00	91.89	268.73	9,487.27	114.69	-2,402.29	2,402.20	1.98	1.57	-1.20
11,905.00	91.67	269.68	9,484.35	113.39	-2,496.23	2,496.15	1.04	-0.23	1.01
11,998.00	93.88	267.35	9,479.85	110.98	-2,589.08	2,589.00	3.45	2.38	-2.51
12,092.00	94.31	267.19	9,473.14	106.52	-2,682.73	2,682.66	0.49	0.46	-0.17
12,185.00	90.63	266.69	9,469.13	101.56	-2,775.50	2,775.42	3.99	-3.96	-0.54
12,279.00	93.47	268.69	9,465.77	97.77	-2,869.34	2,869.28	3.69	3.02	2.13
12,372.00	91.81	268.49	9,461.48	95.49	-2,962.21	2,962.15	1.80	-1.78	-0.22
12,465.00	90.55	268.52	9,459.57	93.06	-3,055.16	3,055.10	1.36	-1.35	0.03
12,559.00	91.02	268.98	9,458.28	91.01	-3,149.13	3,149.07	0.70	0.50	0.49
12,652.00	91.39	271.24	9,456.33	91.19	-3,242.10	3,242.04	2.46	0.40	2.43
12,746.00	94.08	270.93	9,451.84	92.97	-3,335.97	3,335.90	2.88	2.86	-0.33



Dixon
Survey Report



Company:	Avant Operating, LLC	Local Co-ordinate Reference:	Well (01) Little Betty 20 703H
Project:	Eddy County, NM (N83 - NME)	TVD Reference:	WELL @ 3250.50usft (3250.5)
Site:	Little Betty 20 Pad 2	MD Reference:	WELL @ 3250.50usft (3250.5)
Well:	(01) Little Betty 20 703H	North Reference:	Grid
Wellbore:	703H	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	dixon-compass

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,839.00	92.43	269.47	9,446.56	93.29	-3,428.81	3,428.75	2.37	-1.77	-1.57
12,932.00	92.09	269.42	9,442.89	92.39	-3,521.74	3,521.67	0.37	-0.37	-0.05
13,027.00	88.36	267.90	9,442.52	90.17	-3,616.69	3,616.63	4.24	-3.93	-1.60
13,121.00	92.73	271.25	9,441.62	89.47	-3,710.65	3,710.58	5.86	4.65	3.56
13,214.00	93.01	272.09	9,436.97	92.18	-3,803.49	3,803.43	0.95	0.30	0.90
13,308.00	89.65	269.99	9,434.79	93.88	-3,897.43	3,897.36	4.21	-3.57	-2.23
13,402.00	91.83	270.66	9,433.57	94.41	-3,991.42	3,991.35	2.43	2.32	0.71
13,496.00	92.20	271.39	9,430.27	96.09	-4,085.34	4,085.27	0.87	0.39	0.78
13,590.00	90.32	270.63	9,428.20	97.75	-4,179.30	4,179.23	2.16	-2.00	-0.81
13,683.00	91.81	272.24	9,426.47	100.08	-4,272.25	4,272.18	2.36	1.60	1.73
13,777.00	94.36	273.12	9,421.41	104.47	-4,366.00	4,365.93	2.87	2.71	0.94
13,871.00	90.60	270.85	9,417.35	107.72	-4,459.83	4,459.76	4.67	-4.00	-2.41
13,964.00	90.71	270.60	9,416.28	108.89	-4,552.82	4,552.74	0.29	0.12	-0.27
14,058.00	90.94	270.19	9,414.93	109.54	-4,646.81	4,646.73	0.50	0.24	-0.44
14,151.00	89.73	269.59	9,414.39	109.36	-4,739.80	4,739.73	1.45	-1.30	-0.65
14,244.00	92.57	269.81	9,412.52	108.87	-4,832.77	4,832.70	3.06	3.05	0.24
14,338.00	92.43	268.22	9,408.42	107.26	-4,926.67	4,926.59	1.70	-0.15	-1.69
14,423.00	91.11	267.28	9,405.79	103.92	-5,011.56	5,011.49	1.91	-1.55	-1.11
Last MWD Survey: 14423.00' MD, 91.11° INC, 267.28° AZM, 9411.72' TVD									
14,460.38	91.11	267.28	9,405.07	102.15	-5,048.89	5,048.82	0.00	0.00	0.00
100' HL Crossing FWL: 14460.38' MD, 100' FWL, 2524' FNL, 9405.07' TVD, 5048.82' VS									
14,487.00	91.11	267.28	9,404.55	100.89	-5,075.47	5,075.40	0.00	0.00	0.00
PTB: 14487.00' MD, 9404.55' TVD, 5075.40' VS									

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
14,423.00	9,405.79	103.92	-5,011.56	Last MWD Survey: 14423.00' MD, 91.11° INC, 267.28° AZM, 9411.72' TVD
14,460.38	9,405.07	102.15	-5,048.89	100' HL Crossing FWL: 14460.38' MD, 100' FWL, 2524' FNL, 9405.07' TVD, 5048.82' VS
14,487.00	9,404.55	100.89	-5,075.47	PTB: 14487.00' MD, 9404.55' TVD, 5075.40' VS

Checked By: _____

Approved By: _____

Date: _____

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

ACKNOWLEDGMENTS

Action 400541

ACKNOWLEDGMENTS

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 400541
	Action Type: [C-104] Completion Packet - Test Allowable (C-104RT)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.
☒	I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

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

CONDITIONS

Action 400541

CONDITIONS

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 400541
	Action Type: [C-104] Completion Packet - Test Allowable (C-104RT)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 11/13/2024.	11/13/2024