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

Form C-103
Revised July 18, 2013

WELL API NO. 30-025-51622

5. Indicate Type of Lease STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

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.)

7. Lease Name or Unit Agreement Name: Angry Angus 32 State Com

1. Type of Well: Oil Well ☒ Gas Well ☐ Other

8. Well Number: 703H

2. Name of Operator: Avant Operating, LLC

9. OGRID Number: 330396

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

10. Pool name or Wildcat

4. Well Location
Unit Letter O : 883 feet from the south line and 1368 feet from the east line
Section 32 Township 19S Range 35E NMPM County Lea

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*: 3696' GL

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: Plugback Pilot ☒		OTHER: ☐	

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 would like to request to change this to a plugback pilot well. Attached please find the updated cement procedure, wellbore schematic, and directional plans for this request. This will be a continuous plug in the pilot hole.

We will spot a high vis pill on bottom and then spot a 800' plug above it - 400' of it above KOP and 400' of it below.

Should you have any questions or concerns, please feel free to contact me at the email address or phone number below.

Spud Date: 09/02/2023 Rig Release Date:

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

SIGNATURE Sarah Ferreyros TITLE Director of Regulatory DATE 8/22/2023

Type or print name Sarah Ferreyros E-mail address: Sarah@avantnr.com PHONE: (720)854-9020

For State Use Only

APPROVED BY: TITLE DATE

Conditions of Approval (if any):

PROPOSAL#: 230530120550-J

CEMENT PROCEDURE & PROPOSAL

PREPARED FOR:

Mr. Braden Harris
EMAIL: braden@avantnr.com
PHONE NUMBER: 406-600-3310

Avant Natural Resources

Angry Angus 32 State Com #703H

Lea County, NM
Rig: H&P 460
API Number: 30-025-51622

Service Point

Odessa
1400 S JBS Parkway Odessa, TX 79766
432-701-8955

Technical Writer
Jonathan Smith
jonathan@wtcementers.com
432-701-3719

WTC Representative
Jon Reynolds
jon@wtcementers.com
432-257-1234

.Disclaimer Notice:
The ability of West Texas Cementers to complete this work is subject to the availability of the raw materials required to complete the job.
This information is presented in good faith, but no warranty is given by and West Texas Cementers LLC assumes no liability for advice or recommendations made concerning results to be obtained from the use of any product or service. The results given are estimates based on calculations produced by a computer model including various assumptions on the well, reservoir and treatment. The results depend on input data provided by the Operator and estimates as to unknown data and can be no more accurate than the model, the assumptions and such input data. The information presented is WTC LLC best estimate of the actual results that may be achieved and should be used for comparison purposes rather than absolute values. The quality of input data, and hence results, may be improved through the use of certain tests and procedures which West Texas Cementers LLC can assist in selecting. The Operator has superior knowledge of the well, the reservoir, the field and conditions affecting them. If the Operator is aware of any conditions whereby a neighboring well or wells might be affected by the treatment proposed herein it is the Operator's responsibility to notify the owner or owners of the well or wells accordingly. Prices quoted are estimates only and are good for 30 days from the date of issue. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Freedom from infringement of patents of West Texas Cementers LLC or others is not to be inferred.

PRINTED 9/18/2023 13:09 VERSION: v0.29

Avant Natural Resources
Angry Angus 32 State Com #703H
Lea County, NM
Rig: H&P 460

Kick Off Plug

PROPOSAL#: 230530120550-J

WELL INFORMATION	
MUD	9.5# OBM
PREVIOUS PIPE	7.625'' 29.7# CSG to 10973
OPEN HOLE	6.75'' OH to 12158
MD	12158
TVD	11985
EST BHST/BHCT	176-F / 140-F (0.8-F/100-FT)
EST BHST/BHCT KOP	170-F / 140-F (0.8-F/100-FT)
DRILL PIPE	4.5" 16.6# DP
NOTES	Standby charges start after WTC has been on location for more than 8-hrs.

VOLUMES

FLUID NAME	LENGTH (ft)	OD (in.)	ID (in.)	XS (%)	FACTOR (bbl/ft)	VOLUME (bbl)
Plug Back	558	6.75	0	20%	0.0531	29.6
KOP	173	6.875	0		0.0459	7.9
KOP	627	6.75	0	20%	0.0531	33.3

FLUIDS

SPACER

Wt. Spacer 37.63GPB Water+8PPB PolyScrub 4320+89.05PPB Barite+1GPB HoleScrub 4311+1PPB R-1300

VOLUME	19-bbl
DENSITY	10-ppg

Plug Back

100% Class H+5% SALT+0.25% FR-5+0.2% FL-17+0.005GPS NoFoam V1A

VOLUME	140-SX	*30.2-bbls*
DENSITY	15.6-ppg	
YIELD	1.21-cf/sx	
MIX WATER	5.34-gps	
TOP OF CEMENT	11600-ft	
EXCESS	20%	

SPACER

Wt. Spacer 37.63GPB Water+8PPB PolyScrub 4320+89.05PPB Barite+1GPB HoleScrub 4311+1PPB R-1300

VOLUME	11-bbl
DENSITY	10-ppg

Avant Natural Resources
Angry Angus 32 State Com #703H
Lea County, NM
Rig: H&P 460

Kick Off Plug

PROPOSAL#: 230530120550-J

DISPLACEMENT		
	OBM	
VOLUME	151-bbl	
SPACER		
	Wt. Spacer 37.63GPB Water+8PPB PolyScrub 4320+89.05PPB Barite+1GPB HoleScrub 4311+1PPB R-1300	
VOLUME	19-bbl	
DENSITY	10-ppg	
KOP		
	100% Class H+5% SALT+0.05% FR-5+1.2% C-37+0.005GPS NoFoam V1A	
VOLUME	260-SX	*41.7-bbls*
DENSITY	18-ppg	
YIELD	0.9-cf/sx	
MIX WATER	3-gps	
TOP OF CEMENT	10800-ft	
EXCESS	20%	
SPACER		
	Wt. Spacer 37.63GPB Water+8PPB PolyScrub 4320+89.05PPB Barite+1GPB HoleScrub 4311+1PPB R-1300	
VOLUME	11-bbl	
DENSITY	10-ppg	
DISPLACEMENT		
	OBM	
VOLUME	139.6-bbl	

CHEMICAL DESCRIPTIONS		
CHEMICAL NAME	**CODE**	**DESCRIPTION**
B_Poz	WTC228	Poz - Fly Ash, Extender
Class H	WTC101	API Cement
Class C	WTC100	API Cement
Premium C	WTC270	API Cement
ProLite		Blended Based Cement
Plexcrete SFA	WTC129	Cement Strength Enhancer
Gel	WTC102	Extender
Micro Crystal	WTC212	Cement Strength Enhancer
Micro Shell	WTC209	Cement Strength Enhancer
WTC1	WTC250	Extender
Plexcrete STE	WTC127	Cement Strength Enhancer
FAR-2	WTC260	Cement Strength Enhancer
Gypsum	WTC111	Free Water Control, Extender
CaCl2	WTC112	Accelerator
SMS	WTC115	Free Water Control, Extender
RCKCAS-100	WTC276	Free Water Control, Anti-Settling Agent
R-1201	WTC253	Lignosulfonate Retarder
R-33	WTC243	Lignosulfonate Retarder
R-1300	WTC201	Low Temperature Retarder
FR-5	WTC258	Lignosulfonate Retarder
CRT-201	WTC278	Lignosulfonate Retarder
C-37	WTC224	Dispersant, Friction Reducer
FL-17	WTC130	Fluid Loss and Gas Migration Control (400-F max)
EC-10	WTC120	Expanding Agent
Gas Bond	WTC126	Gas Migration Control (Hydrogen Generating)
Gilsonite	WTC003	Premium Lost Circulation Material, Free Water Control
Pol-E-Flake	WTC106	Lost Circulation Material
Web Seal	WTC133	Premium Fiber Lost Circulation Material
Zone Seal	WTC207	Premium Lost Circulation Material
NoFoam V1A	WTC105	Liquid Defoamer
Water		Fresh Water
PolyScrub 4320	WTC232	Spacer Gelling Agent
Barite	WTC116	Weighting Agent
HoleScrub 4311	WTC281	Surfactant
HoleScrub 4305	WTC213	Surfactant
HoleScrub 4308	WTC215	Surfactant
Soda Ash	WTC164	pH Control
R-1300	WTC201	Low Temperature Retarder
SuspendaCem 6302	WTC005	Free Water Control, Anti-Settling Agent
Sugar	WTC119	Retarder
AI-1, Acid Inhibitor	WTC015	Corrosion Inhibitor
Plexcide 24L	WTC166	Biocide
Corplex	WTC134	Corrosion Inhibitor
Clay Max	WTC096	KCL Substitute
Zone Seal	WTC207	Premium Lost Circulation Material

Avant Operating, LLC

Lea Co., NM (NAD 83)
Angry Angus 32 State Com Pad 2
Angry Angus 32 State Com 703H

OH

Plan: Plan 0.1

Standard Planning Report

22 August, 2023

AVANT NATURAL RESOURCES

Planning Report

AVANT NATURAL RESOURCES

Database:	EDM 5000.16 Single User Db	**Local Co-ordinate Reference:**	Site Angry Angus 32 State Com Pad 2
Company:	Avant Operating, LLC	**TVD Reference:**	WELL @ 3723.5usft (3723.5)
Project:	Lea Co., NM (NAD 83)	**MD Reference:**	WELL @ 3723.5usft (3723.5)
Site:	Angry Angus 32 State Com Pad 2	**North Reference:**	Grid
Well:	Angry Angus 32 State Com 703H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 0.1		

Project Lea Co., NM (NAD 83)

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site Angry Angus 32 State Com Pad 2

Site Position:		**Northing:**	587,452.63 usft	**Latitude:**	32.6120276°N
From:	Lat/Long	**Easting:**	805,536.18 usft	**Longitude:**	103.4753118°W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "		

Well Angry Angus 32 State Com 703H

Well Position	**+N/-S**	0.0 usft	**Northing:**	587,452.63 usft	**Latitude:**	32.6120276°N
	+E/-W	0.0 usft	**Easting:**	805,536.18 usft	**Longitude:**	103.4753118°W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,697.0 usft
Grid Convergence:		0.46 °				

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2000	12/31/2004	8.55	60.82	49,669.25965374

Design Plan 0.1

Audit Notes:

Version:	**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	235.15

Plan Survey Tool Program **Date** 8/22/2023

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	12,158.0	Plan 0.1 (OH)	B001Mb_MWD+HRGM	
				OWSG MWD + HRGM	

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,100.0	2.00	235.15	2,100.0	-1.0	-1.4	2.00	2.00	0.00	235.15	
5,001.8	2.00	235.15	5,000.0	-58.9	-84.5	0.00	0.00	0.00	0.00	
5,636.3	14.69	235.15	5,626.5	-111.4	-160.0	2.00	2.00	0.00	0.00	
10,385.0	14.69	235.15	10,220.0	-799.5	-1,148.2	0.00	0.00	0.00	0.00	
11,119.5	0.00	0.00	10,946.5	-853.0	-1,225.1	2.00	-2.00	0.00	180.00	
12,158.0	0.00	0.00	11,985.0	-853.0	-1,225.1	0.00	0.00	0.00	0.00	

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Site:	Angry Angus 32 State Com Pad 2	**North Reference:**	Grid
Well:	Angry Angus 32 State Com 703H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 0.1		

Planned 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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,780.0	0.00	0.00	1,780.0	0.0	0.0	0.0	0.00	0.00	0.00
RUSTLER									
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP - Start Build 2.00									
2,100.0	2.00	235.15	2,100.0	-1.0	-1.4	1.7	2.00	2.00	0.00
Start 2901.8 hold at 2100.0 MD									
2,200.0	2.00	235.15	2,199.9	-3.0	-4.3	5.2	0.00	0.00	0.00
2,300.0	2.00	235.15	2,299.9	-5.0	-7.2	8.7	0.00	0.00	0.00
2,400.0	2.00	235.15	2,399.8	-7.0	-10.0	12.2	0.00	0.00	0.00
2,500.0	2.00	235.15	2,499.7	-9.0	-12.9	15.7	0.00	0.00	0.00
2,600.0	2.00	235.15	2,599.7	-11.0	-15.8	19.2	0.00	0.00	0.00
2,700.0	2.00	235.15	2,699.6	-13.0	-18.6	22.7	0.00	0.00	0.00
2,800.0	2.00	235.15	2,799.6	-15.0	-21.5	26.2	0.00	0.00	0.00
2,900.0	2.00	235.15	2,899.5	-17.0	-24.3	29.7	0.00	0.00	0.00
3,000.0	2.00	235.15	2,999.4	-18.9	-27.2	33.2	0.00	0.00	0.00
3,100.0	2.00	235.15	3,099.4	-20.9	-30.1	36.6	0.00	0.00	0.00
3,200.0	2.00	235.15	3,199.3	-22.9	-32.9	40.1	0.00	0.00	0.00
3,300.0	2.00	235.15	3,299.2	-24.9	-35.8	43.6	0.00	0.00	0.00
3,400.0	2.00	235.15	3,399.2	-26.9	-38.7	47.1	0.00	0.00	0.00
3,500.0	2.00	235.15	3,499.1	-28.9	-41.5	50.6	0.00	0.00	0.00
3,555.9	2.00	235.15	3,555.0	-30.0	-43.1	52.6	0.00	0.00	0.00
YATES									
3,600.0	2.00	235.15	3,599.1	-30.9	-44.4	54.1	0.00	0.00	0.00
3,700.0	2.00	235.15	3,699.0	-32.9	-47.3	57.6	0.00	0.00	0.00
3,800.0	2.00	235.15	3,798.9	-34.9	-50.1	61.1	0.00	0.00	0.00
3,900.0	2.00	235.15	3,898.9	-36.9	-53.0	64.6	0.00	0.00	0.00
4,000.0	2.00	235.15	3,998.8	-38.9	-55.8	68.1	0.00	0.00	0.00
4,100.0	2.00	235.15	4,098.8	-40.9	-58.7	71.5	0.00	0.00	0.00
4,200.0	2.00	235.15	4,198.7	-42.9	-61.6	75.0	0.00	0.00	0.00
4,300.0	2.00	235.15	4,298.6	-44.9	-64.4	78.5	0.00	0.00	0.00
4,400.0	2.00	235.15	4,398.6	-46.9	-67.3	82.0	0.00	0.00	0.00
4,500.0	2.00	235.15	4,498.5	-48.9	-70.2	85.5	0.00	0.00	0.00
4,600.0	2.00	235.15	4,598.5	-50.9	-73.0	89.0	0.00	0.00	0.00

AVANT NATURAL RESOURCES

Planning Report

AVANT NATURAL RESOURCES

Database:	EDM 5000.16 Single User Db	**Local Co-ordinate Reference:**	Site Angry Angus 32 State Com Pad 2
Company:	Avant Operating, LLC	**TVD Reference:**	WELL @ 3723.5usft (3723.5)
Project:	Lea Co., NM (NAD 83)	**MD Reference:**	WELL @ 3723.5usft (3723.5)
Site:	Angry Angus 32 State Com Pad 2	**North Reference:**	Grid
Well:	Angry Angus 32 State Com 703H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 0.1		

Planned 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)
4,628.6	2.00	235.15	4,627.0	-51.4	-73.9	90.0	0.00	0.00	0.00
QUEEN									
4,700.0	2.00	235.15	4,698.4	-52.8	-75.9	92.5	0.00	0.00	0.00
4,800.0	2.00	235.15	4,798.3	-54.8	-78.8	96.0	0.00	0.00	0.00
4,900.0	2.00	235.15	4,898.3	-56.8	-81.6	99.5	0.00	0.00	0.00
5,000.0	2.00	235.15	4,998.2	-58.8	-84.5	103.0	0.00	0.00	0.00
5,001.8	2.00	235.15	5,000.0	-58.9	-84.5	103.0	0.00	0.00	0.00
Start Build 2.00									
5,100.0	3.96	235.15	5,098.1	-61.8	-88.7	108.1	2.00	2.00	0.00
5,200.0	5.96	235.15	5,197.7	-66.7	-95.8	116.8	2.00	2.00	0.00
5,300.0	7.96	235.15	5,297.0	-73.7	-105.8	128.9	2.00	2.00	0.00
5,400.0	9.96	235.15	5,395.7	-82.6	-118.6	144.5	2.00	2.00	0.00
5,500.0	11.96	235.15	5,493.9	-93.4	-134.2	163.5	2.00	2.00	0.00
5,600.0	13.96	235.15	5,591.3	-106.2	-152.6	185.9	2.00	2.00	0.00
5,636.3	14.69	235.15	5,626.5	-111.4	-160.0	194.9	2.00	2.00	0.00
Start 4748.7 hold at 5636.3 MD									
5,700.0	14.69	235.15	5,688.1	-120.6	-173.2	211.1	0.00	0.00	0.00
5,800.0	14.69	235.15	5,784.9	-135.1	-194.0	236.4	0.00	0.00	0.00
5,900.0	14.69	235.15	5,881.6	-149.6	-214.8	261.8	0.00	0.00	0.00
5,981.1	14.69	235.15	5,960.0	-161.3	-231.7	282.3	0.00	0.00	0.00
DELAWARE									
6,000.0	14.69	235.15	5,978.3	-164.1	-235.6	287.1	0.00	0.00	0.00
6,100.0	14.69	235.15	6,075.1	-178.6	-256.5	312.5	0.00	0.00	0.00
6,200.0	14.69	235.15	6,171.8	-193.1	-277.3	337.9	0.00	0.00	0.00
6,300.0	14.69	235.15	6,268.5	-207.6	-298.1	363.2	0.00	0.00	0.00
6,400.0	14.69	235.15	6,365.2	-222.0	-318.9	388.6	0.00	0.00	0.00
6,500.0	14.69	235.15	6,462.0	-236.5	-339.7	413.9	0.00	0.00	0.00
6,600.0	14.69	235.15	6,558.7	-251.0	-360.5	439.3	0.00	0.00	0.00
6,700.0	14.69	235.15	6,655.4	-265.5	-381.3	464.7	0.00	0.00	0.00
6,800.0	14.69	235.15	6,752.2	-280.0	-402.1	490.0	0.00	0.00	0.00
6,900.0	14.69	235.15	6,848.9	-294.5	-422.9	515.4	0.00	0.00	0.00
7,000.0	14.69	235.15	6,945.6	-309.0	-443.8	540.7	0.00	0.00	0.00
7,100.0	14.69	235.15	7,042.4	-323.5	-464.6	566.1	0.00	0.00	0.00
7,200.0	14.69	235.15	7,139.1	-338.0	-485.4	591.5	0.00	0.00	0.00
7,300.0	14.69	235.15	7,235.8	-352.5	-506.2	616.8	0.00	0.00	0.00
7,400.0	14.69	235.15	7,332.6	-367.0	-527.0	642.2	0.00	0.00	0.00
7,500.0	14.69	235.15	7,429.3	-381.4	-547.8	667.5	0.00	0.00	0.00
7,600.0	14.69	235.15	7,526.0	-395.9	-568.6	692.9	0.00	0.00	0.00
7,700.0	14.69	235.15	7,622.8	-410.4	-589.4	718.2	0.00	0.00	0.00
7,800.0	14.69	235.15	7,719.5	-424.9	-610.2	743.6	0.00	0.00	0.00
7,900.0	14.69	235.15	7,816.2	-439.4	-631.1	769.0	0.00	0.00	0.00
8,000.0	14.69	235.15	7,912.9	-453.9	-651.9	794.3	0.00	0.00	0.00
8,035.2	14.69	235.15	7,947.0	-459.0	-659.2	803.3	0.00	0.00	0.00
Top of BSGL									
8,100.0	14.69	235.15	8,009.7	-468.4	-672.7	819.7	0.00	0.00	0.00
8,200.0	14.69	235.15	8,106.4	-482.9	-693.5	845.0	0.00	0.00	0.00
8,300.0	14.69	235.15	8,203.1	-497.4	-714.3	870.4	0.00	0.00	0.00
8,400.0	14.69	235.15	8,299.9	-511.9	-735.1	895.8	0.00	0.00	0.00
8,500.0	14.69	235.15	8,396.6	-526.4	-755.9	921.1	0.00	0.00	0.00
8,600.0	14.69	235.15	8,493.3	-540.8	-776.7	946.5	0.00	0.00	0.00
8,700.0	14.69	235.15	8,590.1	-555.3	-797.5	971.8	0.00	0.00	0.00
8,800.0	14.69	235.15	8,686.8	-569.8	-818.4	997.2	0.00	0.00	0.00
8,900.0	14.69	235.15	8,783.5	-584.3	-839.2	1,022.6	0.00	0.00	0.00

AVANT NATURAL RESOURCES

Planning Report

AVANT NATURAL RESOURCES

Database:	EDM 5000.16 Single User Db	**Local Co-ordinate Reference:**	Site Angry Angus 32 State Com Pad 2
Company:	Avant Operating, LLC	**TVD Reference:**	WELL @ 3723.5usft (3723.5)
Project:	Lea Co., NM (NAD 83)	**MD Reference:**	WELL @ 3723.5usft (3723.5)
Site:	Angry Angus 32 State Com Pad 2	**North Reference:**	Grid
Well:	Angry Angus 32 State Com 703H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 0.1		

Planned 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)
9,000.0	14.69	235.15	8,880.3	-598.8	-860.0	1,047.9	0.00	0.00	0.00
9,100.0	14.69	235.15	8,977.0	-613.3	-880.8	1,073.3	0.00	0.00	0.00
9,200.0	14.69	235.15	9,073.7	-627.8	-901.6	1,098.6	0.00	0.00	0.00
9,300.0	14.69	235.15	9,170.5	-642.3	-922.4	1,124.0	0.00	0.00	0.00
9,400.0	14.69	235.15	9,267.2	-656.8	-943.2	1,149.4	0.00	0.00	0.00
9,500.0	14.69	235.15	9,363.9	-671.3	-964.0	1,174.7	0.00	0.00	0.00
9,590.0	14.69	235.15	9,451.0	-684.3	-982.8	1,197.5	0.00	0.00	0.00
Top of FBSG SD									
9,600.0	14.69	235.15	9,460.6	-685.8	-984.8	1,200.1	0.00	0.00	0.00
9,700.0	14.69	235.15	9,557.4	-700.2	-1,005.6	1,225.4	0.00	0.00	0.00
9,800.0	14.69	235.15	9,654.1	-714.7	-1,026.5	1,250.8	0.00	0.00	0.00
9,900.0	14.69	235.15	9,750.8	-729.2	-1,047.3	1,276.1	0.00	0.00	0.00
9,923.9	14.69	235.15	9,774.0	-732.7	-1,052.3	1,282.2	0.00	0.00	0.00
Top of SBSG Shale									
10,000.0	14.69	235.15	9,847.6	-743.7	-1,068.1	1,301.5	0.00	0.00	0.00
10,100.0	14.69	235.15	9,944.3	-758.2	-1,088.9	1,326.9	0.00	0.00	0.00
10,141.0	14.69	235.15	9,984.0	-764.2	-1,097.4	1,337.3	0.00	0.00	0.00
Top of SBSG SD									
10,200.0	14.69	235.15	10,041.0	-772.7	-1,109.7	1,352.2	0.00	0.00	0.00
10,300.0	14.69	235.15	10,137.8	-787.2	-1,130.5	1,377.6	0.00	0.00	0.00
10,385.0	14.69	235.15	10,220.0	-799.5	-1,148.2	1,399.1	0.00	0.00	0.00
Start Drop -2.00									
10,400.0	14.39	235.15	10,234.5	-801.7	-1,151.3	1,402.9	2.00	-2.00	0.00
10,500.0	12.39	235.15	10,331.8	-814.9	-1,170.3	1,426.1	2.00	-2.00	0.00
10,600.0	10.39	235.15	10,429.8	-826.2	-1,186.5	1,445.8	2.00	-2.00	0.00
10,700.0	8.39	235.15	10,528.5	-835.5	-1,199.9	1,462.1	2.00	-2.00	0.00
10,763.1	7.13	235.15	10,591.0	-840.4	-1,206.9	1,470.6	2.00	-2.00	0.00
Top of TBSG Carb									
10,800.0	6.39	235.15	10,627.6	-842.9	-1,210.4	1,475.0	2.00	-2.00	0.00
10,900.0	4.39	235.15	10,727.2	-848.2	-1,218.2	1,484.4	2.00	-2.00	0.00
11,000.0	2.39	235.15	10,827.0	-851.6	-1,223.0	1,490.3	2.00	-2.00	0.00
11,023.0	1.93	235.15	10,850.0	-852.1	-1,223.7	1,491.2	2.00	-2.00	0.00
Formation 15									
11,100.0	0.39	235.15	10,927.0	-853.0	-1,225.0	1,492.7	2.00	-2.00	0.00
11,119.5	0.00	0.00	10,946.5	-853.0	-1,225.1	1,492.8	2.00	-2.00	0.00
Start 1038.5 hold at 11119.5 MD									
11,200.0	0.00	0.00	11,027.0	-853.0	-1,225.1	1,492.8	0.00	0.00	0.00
11,212.0	0.00	0.00	11,039.0	-853.0	-1,225.1	1,492.8	0.00	0.00	0.00
Top of TBSG SD									
11,300.0	0.00	0.00	11,127.0	-853.0	-1,225.1	1,492.8	0.00	0.00	0.00
Top WFMP									
11,400.0	0.00	0.00	11,227.0	-853.0	-1,225.1	1,492.8	0.00	0.00	0.00
11,500.0	0.00	0.00	11,327.0	-853.0	-1,225.1	1,492.8	0.00	0.00	0.00
11,523.0	0.00	0.00	11,350.0	-853.0	-1,225.1	1,492.8	0.00	0.00	0.00
Angry Angus 32 State Com 703H FTP									
11,600.0	0.00	0.00	11,427.0	-853.0	-1,225.1	1,492.8	0.00	0.00	0.00
11,700.0	0.00	0.00	11,527.0	-853.0	-1,225.1	1,492.8	0.00	0.00	0.00
11,773.0	0.00	0.00	11,600.0	-853.0	-1,225.1	1,492.8	0.00	0.00	0.00
Angry Angus 32 State Com 703H LTP/BHL									
11,800.0	0.00	0.00	11,627.0	-853.0	-1,225.1	1,492.8	0.00	0.00	0.00
11,900.0	0.00	0.00	11,727.0	-853.0	-1,225.1	1,492.8	0.00	0.00	0.00
11,903.0	0.00	0.00	11,730.0	-853.0	-1,225.1	1,492.8	0.00	0.00	0.00

AVANT NATURAL RESOURCES

Planning Report

AVANT NATURAL RESOURCES

Database:	EDM 5000.16 Single User Db	**Local Co-ordinate Reference:**	Site Angry Angus 32 State Com Pad 2
Company:	Avant Operating, LLC	**TVD Reference:**	WELL @ 3723.5usft (3723.5)
Project:	Lea Co., NM (NAD 83)	**MD Reference:**	WELL @ 3723.5usft (3723.5)
Site:	Angry Angus 32 State Com Pad 2	**North Reference:**	Grid
Well:	Angry Angus 32 State Com 703H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 0.1		

Planned 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)
Top of Penn									
12,000.0	0.00	0.00	11,827.0	-853.0	-1,225.1	1,492.8	0.00	0.00	0.00
12,100.0	0.00	0.00	11,927.0	-853.0	-1,225.1	1,492.8	0.00	0.00	0.00
12,135.0	0.00	0.00	11,962.0	-853.0	-1,225.1	1,492.8	0.00	0.00	0.00
Top of Strawn									
12,158.0	0.00	0.00	11,985.0	-853.0	-1,225.1	1,492.8	0.00	0.00	0.00
TD at 12158.0									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Angry Angus 32 State C	0.00	0.00	11,350.0	-794.7	-1,229.6	586,657.88	804,306.53	32.6098705°N	103.4793256°W
- plan misses target center by 58.5usft at 11523.0usft MD (11350.0 TVD, -853.0 N, -1225.1 E)									
- Point									
Angry Angus 32 State C	0.00	0.00	11,600.0	4,303.6	-1,254.5	591,756.19	804,281.67	32.6238834°N	103.4792733°W
- plan misses target center by 5156.7usft at 11773.0usft MD (11600.0 TVD, -853.0 N, -1225.1 E)									
- Point									

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,780.0	1,780.0	RUSTLER			
3,555.9	3,555.0	YATES			
4,628.6	4,627.0	QUEEN			
5,981.1	5,960.0	DELAWARE			
8,035.2	7,947.0	Top of BSGL			
9,590.0	9,451.0	Top of FBSG SD			
9,923.9	9,774.0	Top of SBSG Shale			
10,141.0	9,984.0	Top of SBSG SD			
10,763.1	10,591.0	Top of TBSG Carb			
11,023.0	10,850.0	Formation 15		0.00	
11,212.0	11,039.0	Top of TBSG SD			
11,300.0	11,127.0	Top WFMP			
11,903.0	11,730.0	Top of Penn			
12,135.0	11,962.0	Top of Strawn			

AVANT NATURAL RESOURCES

Planning Report

AVANT NATURAL RESOURCES

Database:	EDM 5000.16 Single User Db	**Local Co-ordinate Reference:**	Site Angry Angus 32 State Com Pad 2
Company:	Avant Operating, LLC	**TVD Reference:**	WELL @ 3723.5usft (3723.5)
Project:	Lea Co., NM (NAD 83)	**MD Reference:**	WELL @ 3723.5usft (3723.5)
Site:	Angry Angus 32 State Com Pad 2	**North Reference:**	Grid
Well:	Angry Angus 32 State Com 703H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 0.1		

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
2,000.0	2,000.0	0.0	0.0	KOP - Start Build 2.00
2,100.0	2,100.0	-1.0	-1.4	Start 2901.8 hold at 2100.0 MD
5,001.8	5,000.0	-58.9	-84.5	Start Build 2.00
5,636.3	5,626.5	-111.4	-160.0	Start 4748.7 hold at 5636.3 MD
10,385.0	10,220.0	-799.5	-1,148.2	Start Drop -2.00
11,119.5	10,946.5	-853.0	-1,225.1	Start 1038.5 hold at 11119.5 MD
12,158.0	11,985.0	-853.0	-1,225.1	TD at 12158.0

AVANT NATURAL RESOURCES

WELL DETAILS: Angry Angus 32 State Com 703H

Ground Elev: 3697.0 KB: 3723.5

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	587452.63	805536.18	32.6120276°N	103.4753118°W

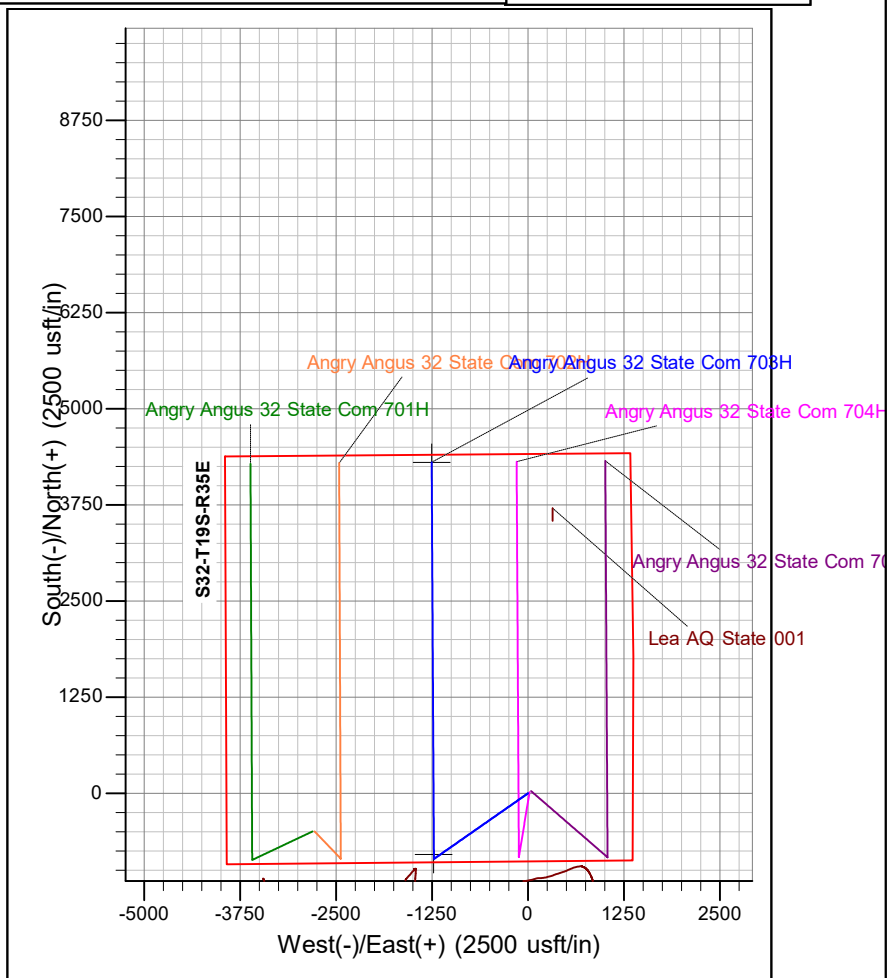
PROJECT DETAILS: Lea Co., NM (NAD 83)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone

System Datum: Mean Sea Level

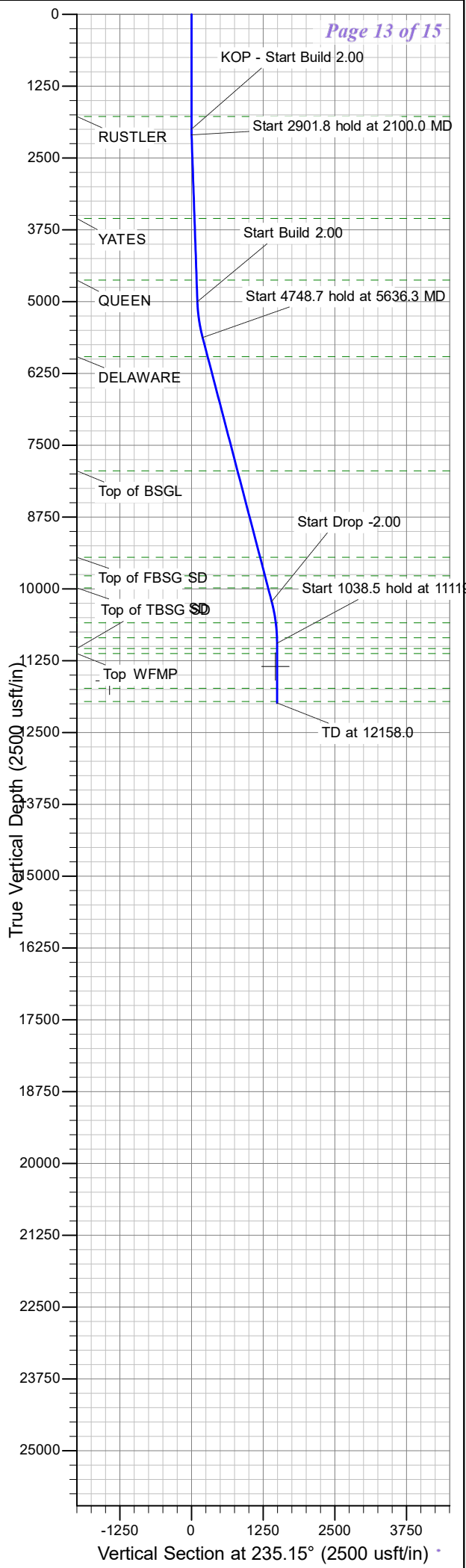
G T M
Azimuths to Grid North
True North: -0.46°
Magnetic North: 8.08°

Magnetic Field
Strength: 49669.3nT
Dip Angle: 60.82°
Date: 12/31/2004
Model: IGRF2000



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	2000.0	0.00	0.00	2000.0	0.0	0.0	0.00	0.00	0.0	KOP - Start Build 2.00
3	2100.0	2.00	235.15	2100.0	-1.0	-1.4	2.00	235.15	1.7	Start 2901.8 hold at 2100.0 M
4	5001.8	2.00	235.15	5000.0	-58.9	-84.5	0.00	0.00	103.0	Start Build 2.00
5	5636.3	14.69	235.15	5626.5	-111.4	-160.0	2.00	0.00	194.9	Start 4748.7 hold at 5636.3 M
6	10385.0	14.69	235.15	10220.0	-799.5	-1148.2	0.00	0.00	1399.1	Start Drop -2.00
7	11119.5	0.00	0.00	10946.5	-853.0	-1225.1	2.00	180.00	1492.8	Start 1038.5 hold at 11119.5
8	12158.0	0.00	0.00	11985.0	-853.0	-1225.1	0.00	0.00	1492.8	TD at 12158.0



AFE: NM0171

Angry Angus 32 State Com #703H

API: 30-025-51622
REGULATORY: NMOCD
PERMIT # 330396

RIG: H&P 460
KB: 3722.5 (26.5')
GL: 3696'

Wolfcamp

Lea County, NM

SHL: *Sec. 32, T-19S, R-35E; 883 FSL, 1368 FEL*

Lat: 32.6120276, Long: -103.4753118 (NAD83)

HOLE SIZE	MD	FORMATION	TVD	MUD	CASING	CEMENT	SPECIAL INSTRUCTIONS
	120	20" Conductor	120	SPUD MW 8.4 ppg	10 3/4 " 40.5# J-55 BTC +/- 14 Bowsprings 1 joint shoe track	LEAD: 12.8 PPG Top of Lead: 0 50% Excess TAIL: 14.8 PPG Top of Tail: 1444' 20% Excess	Circ cement to surface is a NMOCD requirement. Casing must be set 25' into the Rustler. MUD: Fresh water only
14 3/4 "	1,780	Rustler	1,780	Fresh			
	1,805	SURF CSG PT	1,805	9.9 ppg			
9 7/8 "	3,556	Yates	3,555	DRLOUT MW 10 ppg	SPLIT STRING 7 5/8 " 29.7# P-110 HC LTC	LEAD: 12.5 PPG Top of Lead: 0' 20% excess	Circ cement to surface is a NMOCD requirement
	4,629	Queen	4,628				
	5,981	Delaware	5,981				
	8,035	Bone Spring	7,947	Brine		TAIL: 14.8 PPG Top of Tail: 8640' 20% Excess	
	9,590	1st Bone Spring	9,451				
	10,141	2nd Bone Spring	9,984	TD MW 10 ppg	+/- 13 Bowsprings 1 joint shoe track		
	10,973	INTRM CSG PT	10,800				
6 3/4 " VERTICAL				DRLOUT MW 9.2 Cut Brine KOP MW 9.5	5 1/2 " 20# P-110 HC GBCD		
6 3/4 " CURVE	11,200	KOP	11,027	EOC MW 9.5 OBM	10°/ 100'	Lat MW 11 OBM TD MW 11	16,685 ' MD 4,483 ' VS 11,496 ' TVD BHL: 100 FNL, 2592 FEL
	11,212	3rd Bone Spring	11,039				
	11,301	Wolfcamp	11,127				
	12,113	EOC	11,600				
		EOC VS = 75'					
6 3/4 " LATERAL	12,158	PILOT HOLE TD	11,985		5 1/2 " 20# P-110 HC GBCD	LEAD: 11 PPG Top of Lead: 0 50% Excess TAIL: 14.8 PPG Top of Tail: 0 20% Excess	

WET SHOE

Lat. Azi = VS Azi. = 359.67°

Est BHST = 181°F, Est BHCT = 17°F

1 20' pup jt
2 20' Marker Jts
+/- 4 Bowsprings
+/- 31 Doublebows
+/- 108 Solid Bodies

All aqueous fluids (spacer and disp) left inside or outside of pipe must have biocide & corrision inhibitor

Pilot hole plug: High viscosity pill spotted on bottom. Cement plug spotted 400' above and below KOP

DIRECTIONAL PLAN

MD	INC	INC	TVD	ANNOTATION

DIRECTIONS TO LOCAITON:

Drilling Engineer: Braden Harris

Angry Angus 32 State Com #703H (H&P 460)

Date: 8/22/2023

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
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

CONDITIONS

Action 266423

CONDITIONS

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 266423
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	Plug in pilot hole should be continuous from bottom of hole to top of pilot hole.	9/21/2023