

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Avant Operating, LLC 1515 Wynoop Street, Ste. 700 Denver CO 80202		² OGRID Number 330396
		³ Reason for Filing Code/ Effective Date RT 2/18/22
⁴ API Number 30 - 0 25-49324	⁵ Pool Name Antelope Ridge; Bone Spring, North	⁶ Pool Code 2205
⁷ Property Code 331355	⁸ Property Name Golden Tee 31 Federal Com	⁹ Well Number 301H

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
D	31	22S	35E	Lot 1	276	N	1,200	W	Lea

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	6	23S	35E	Lot 5	2,600	N	482	W	Lea
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 2/18/22	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
214984	Plains Marketing, L.P. 333 Clay St., Ste. 1900 Houston TX 77002	O
372422	Lucid Energy Delaware, LLC 3100 McKinnon, Ste. 800 Dallas TX 75201	G

IV. Well Completion Data

²¹ Spud Date 9/10/2021	²² Ready Date 2/18/22	²³ TD 17,968 MD 9,864 TVD	²⁴ PBTD 17,897	²⁵ Perforations 10,288-17,883	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2	13-3/8	1,890	1,085		
12-1/4	9-5/8	5,605	2,990		
5-1/2	5-1/2	17,850	3,015		

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method

⁴² 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. Signature: <i>Sandra Belt</i>	OIL CONSERVATION DIVISION
Printed name: Sandra Belt	Approved by: <i>PATRICIA MARTINEZ</i>
Title: Regulatory Analyst	Title: <i>PETROLEUM SPECIALIST</i>
E-mail Address: sandra@permianregulatory.com	Approval Date: <i>4/7/2022</i>
Date: 2/20/22	
Phone: 432-413-9797	<i>RT EXPIRES 5/18/2022</i>

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
811 S. First St., Artesia, N.M. 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, N.M. 87505
Phone: (505) 478-3480 Fax: (505) 478-3482

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office

AS-DRILLED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-49324	² Pool Code 2205	³ Pool Name Antelope Ridge; Bone Spring, North
⁴ Property Code 331355	⁵ Property Name Golden Tee 31 Fed Com	⁶ Well Number 301H
⁷ OGRID No. 330396	⁸ Operator Name Avant Operating, LLC	⁹ Elevation 3454

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	31	22 S	35 E	Lot 1	276	North	1200	West	Lea

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	6	23 S	35 E	Lot 5	2600	North	482	West	Lea

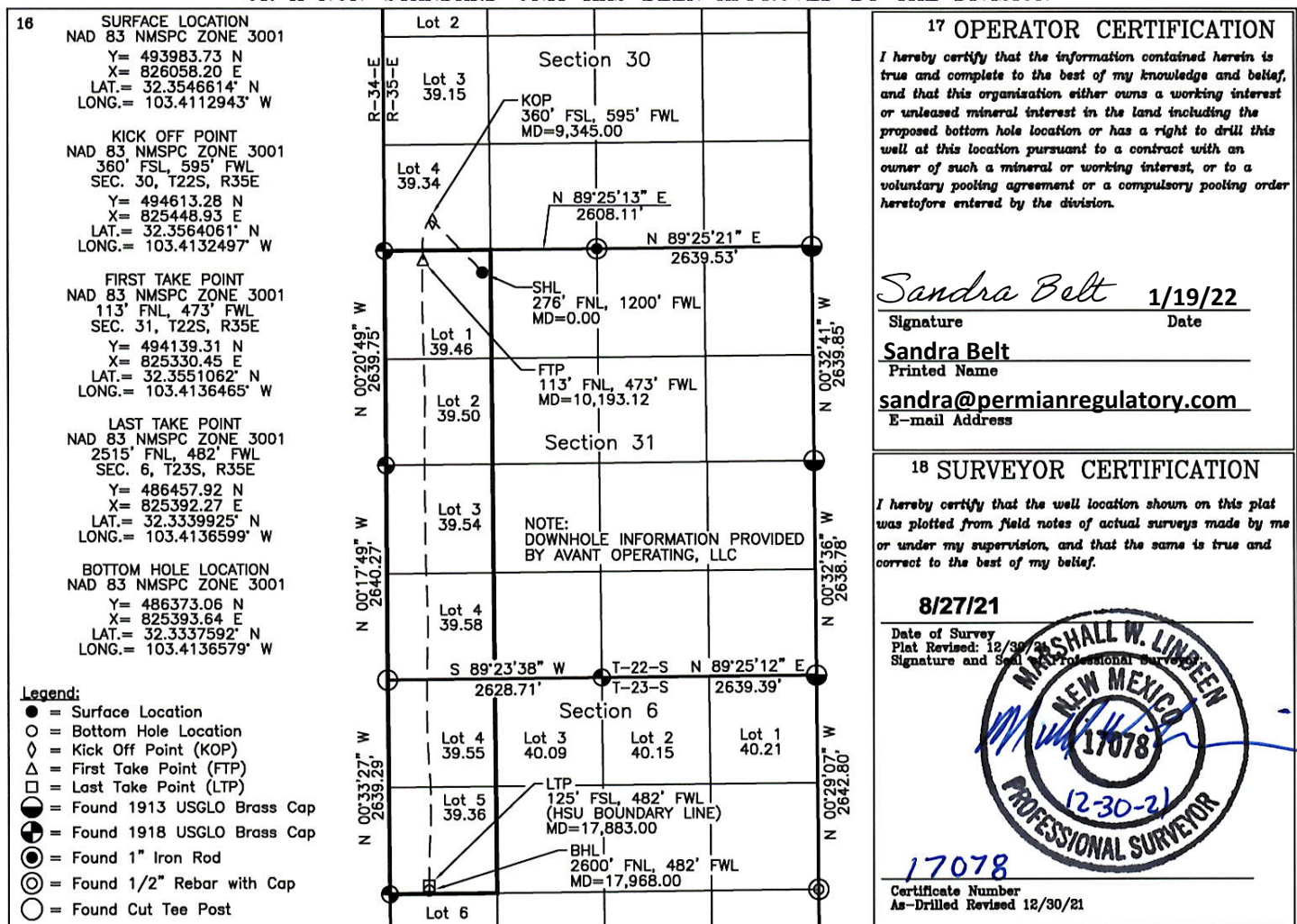
¹² Dedicated Acres
SEC 31: Lot 1 (39.46), Lot 2 (39.50), Lot 3 (39.54),
Lot 4 (39.58); SEC 6: Lot 4 (39.55), Lot 5 (39.36);
TOTAL ACRES: 236.99

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



Released to Imaging: 4/7/2022 7:43:13 AM

Received by OGD: 2/21/2022 6:18:01 PM

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	17911.00	86.95	178.93	9860.68	-7553.76	-665.63	0.000	0.00	7548.93	
2	17968.00	86.95	178.93	9863.72	-7610.67	-664.56	0.000	0.00	7605.84	

Annotation
Last Aim Svy
Proj to BHL

DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
FTP GT 31 Fed Com 301H	9888.00	168.67	-721.06	494152.40	825337.14	32° 21' 18.511 N	103° 24' 49.048 W
LTP GT 31 Fed Com 301H	9888.00	-7550.63	-667.25	486433.10	825390.95	32° 20' 2.127 N	103° 24' 49.194 W
PBHL GT 31 Fed Com 301H	9888.00	-7550.63	-667.25	486433.10	825390.95	32° 20' 2.127 N	103° 24' 49.194 W

Drawn By: KRN
Date Created: 9/3/2021
Date Revised: 10/22/2021
Avant - Golden Tee 31 Fed Com 301H
As Drilled Plan 1.0.wpc

SITE DETAILS: Golden Tee 31 Fed Com 301H

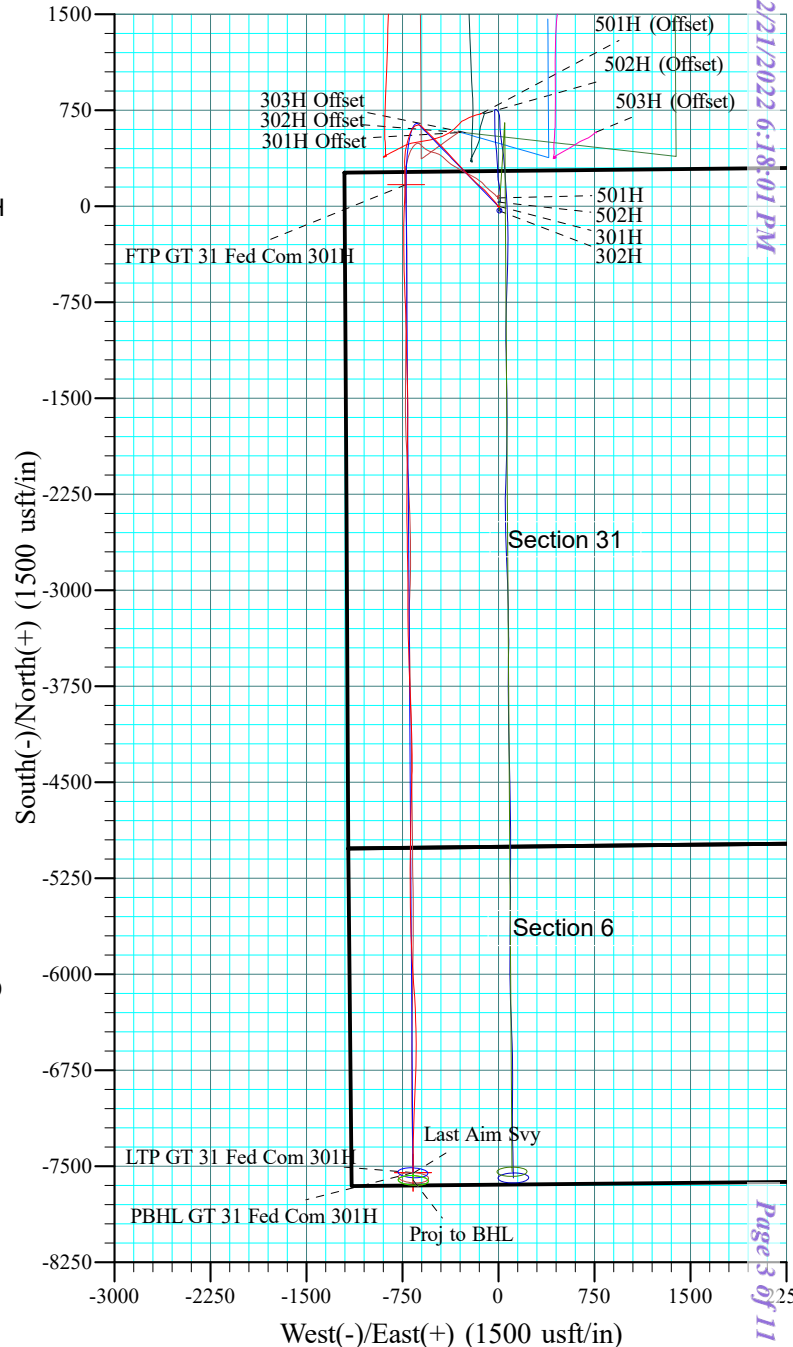
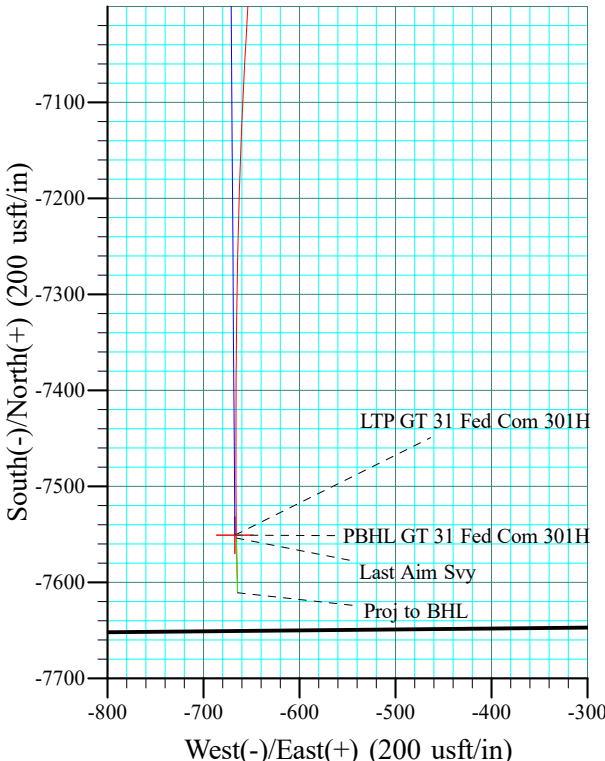
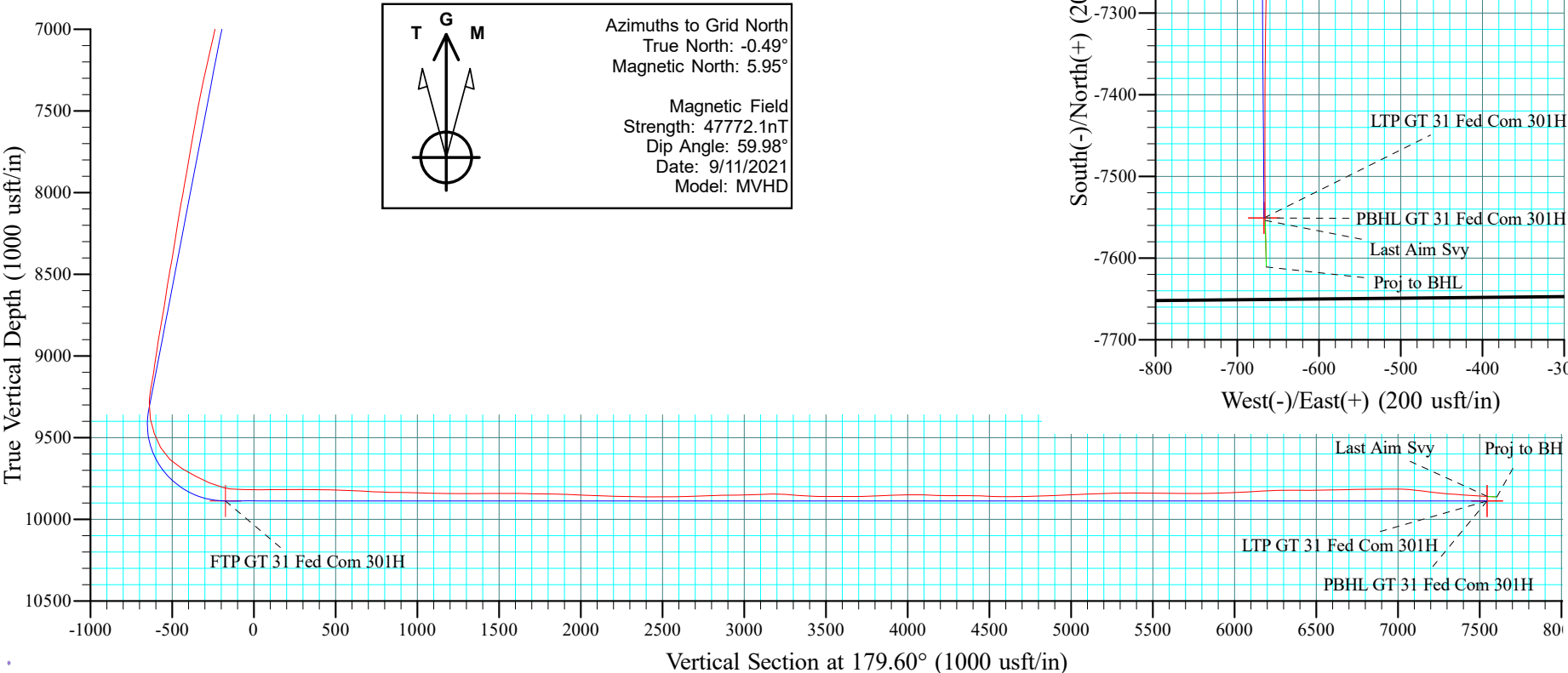
Site Centre Northing: 493983.73
Easting: 826058.20

Positional Uncertainty: 0.00
Convergence: 0.49
Local North: Grid

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





Aim Directional Services, LLC

Survey Report



Company:	Avant Operating, LLC	Local Co-ordinate Reference:	Well 301H
Project:	Lea Co., NM (NAD 83)	TVD Reference:	Well @ 3480.00usft (H&P 462)
Site:	Golden Tee 31 Fed Com 301H	MD Reference:	Well @ 3480.00usft (H&P 462)
Well:	301H	North Reference:	Grid
Wellbore:	Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	RTOC- EDM 5000.1 Single User Db

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	Golden Tee 31 Fed Com 301H		
Site Position:		Northing:	493,983.73 usft
From:	Map	Easting:	826,058.20 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 21' 16.781 N
		Longitude:	103° 24' 40.660 W
		Grid Convergence:	0.49 °

Well	301H		
Well Position	+N/-S	0.00 usft	Northing: 493,983.73 usft
	+E/-W	0.00 usft	Easting: 826,058.20 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
		Latitude:	32° 21' 16.781 N
		Longitude:	103° 24' 40.660 W
		Ground Level:	3,453.00 usft

Wellbore	Drilling		
Magnetics	Model Name	Sample Date	Declination (°)
	MVHD	9/11/2021	6.45
			Dip Angle (°) 59.98
			Field Strength (nT) 47,772.060

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)
	0.00	0.00	0.00
			Direction (°) 179.60

Survey Program	Date	10/22/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
227.00	17,968.00	Aim MWD Svys (Drilling)	B001Mb_MWD+HRGM	OWSG MWD + HRGM

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000
227.00	0.31	239.49	227.00	-0.31	-0.53	0.31	0.137	0.137	0.000
First Aim Svy									
408.00	0.26	144.92	408.00	-0.90	-0.71	0.89	0.232	-0.028	-52.249
497.00	0.22	137.88	497.00	-1.19	-0.48	1.19	0.056	-0.045	-7.910
589.00	0.13	126.81	589.00	-1.38	-0.28	1.38	0.104	-0.098	-12.033
679.00	0.26	108.88	679.00	-1.51	-0.01	1.51	0.158	0.144	-19.922
770.00	0.18	156.25	770.00	-1.71	0.25	1.71	0.210	-0.088	52.055
860.00	0.18	69.33	859.99	-1.79	0.43	1.79	0.275	0.000	-96.578
950.00	0.26	162.41	949.99	-1.93	0.63	1.94	0.360	0.089	103.422
1,045.00	0.22	126.90	1,044.99	-2.25	0.84	2.25	0.159	-0.042	-37.379



Aim Directional Services, LLC

Survey Report



Company:	Avant Operating, LLC	Local Co-ordinate Reference:	Well 301H
Project:	Lea Co., NM (NAD 83)	TVD Reference:	Well @ 3480.00usft (H&P 462)
Site:	Golden Tee 31 Fed Com 301H	MD Reference:	Well @ 3480.00usft (H&P 462)
Well:	301H	North Reference:	Grid
Wellbore:	Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	RTOC- EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,140.00	0.18	105.36	1,139.99	-2.40	1.13	2.40	0.089	-0.042	-22.674
1,235.00	0.22	142.10	1,234.99	-2.58	1.39	2.59	0.139	0.042	38.674
1,329.00	0.18	102.11	1,328.99	-2.75	1.64	2.76	0.151	-0.043	-42.542
1,424.00	0.13	212.77	1,423.99	-2.87	1.73	2.89	0.270	-0.053	116.484
1,518.00	0.13	113.01	1,517.99	-3.01	1.77	3.02	0.212	0.000	-106.127
1,707.00	0.09	11.06	1,706.99	-2.94	1.99	2.96	0.091	-0.021	-53.942
1,802.00	0.18	147.20	1,801.99	-3.00	2.09	3.01	0.266	0.095	143.305
1,836.00	0.00	103.43	1,835.99	-3.04	2.12	3.06	0.529	-0.529	0.000
1,993.00	0.18	55.95	1,992.99	-2.90	2.32	2.92	0.115	0.115	0.000
2,182.00	0.70	55.44	2,181.98	-2.08	3.52	2.11	0.275	0.275	-0.270
2,277.00	0.53	50.17	2,276.98	-1.47	4.34	1.50	0.188	-0.179	-5.547
2,371.00	0.57	64.41	2,370.97	-0.99	5.09	1.03	0.151	0.043	15.149
2,466.00	0.62	75.31	2,465.97	-0.66	6.01	0.70	0.130	0.053	11.474
2,561.00	0.62	85.59	2,560.96	-0.49	7.02	0.53	0.117	0.000	10.821
2,655.00	0.48	86.20	2,654.96	-0.42	7.92	0.48	0.149	-0.149	0.649
2,750.00	0.57	248.80	2,749.96	-0.57	7.88	0.62	1.093	0.095	171.158
2,844.00	0.97	265.50	2,843.95	-0.80	6.65	0.84	0.484	0.426	17.766
3,034.00	0.75	256.89	3,033.93	-1.20	3.84	1.23	0.134	-0.116	-4.532
3,128.00	0.66	248.71	3,127.92	-1.54	2.73	1.56	0.143	-0.096	-8.702
3,223.00	0.62	237.90	3,222.92	-2.01	1.79	2.03	0.134	-0.042	-11.379
3,318.00	0.62	233.86	3,317.91	-2.59	0.94	2.60	0.046	0.000	-4.253
3,413.00	0.44	235.27	3,412.91	-3.10	0.22	3.10	0.190	-0.189	1.484
3,507.00	0.09	188.77	3,506.90	-3.38	-0.09	3.38	0.408	-0.372	-49.468
3,602.00	0.35	100.27	3,601.90	-3.50	0.19	3.51	0.378	0.274	-93.158
3,697.00	0.66	85.50	3,696.90	-3.51	1.02	3.52	0.351	0.326	-15.547
3,792.00	0.97	70.47	3,791.89	-3.20	2.32	3.22	0.394	0.326	-15.821
3,887.00	1.36	62.91	3,886.87	-2.42	4.08	2.45	0.440	0.411	-7.958
3,982.00	0.35	266.73	3,981.86	-1.92	4.80	1.96	1.775	-1.063	-164.400
4,076.00	0.66	254.51	4,075.86	-2.08	3.99	2.11	0.347	0.330	-13.000
4,171.00	0.70	252.58	4,170.85	-2.40	2.91	2.42	0.049	0.042	-2.032
4,266.00	0.57	265.15	4,265.85	-2.62	1.88	2.63	0.200	-0.137	13.232
4,360.00	0.48	257.68	4,359.84	-2.74	1.03	2.75	0.120	-0.096	-7.947
4,455.00	0.53	273.06	4,454.84	-2.80	0.21	2.80	0.152	0.053	16.189
4,550.00	0.53	272.88	4,549.84	-2.76	-0.67	2.75	0.002	0.000	-0.189
4,644.00	0.53	275.78	4,643.83	-2.69	-1.54	2.68	0.029	0.000	3.085
4,739.00	0.44	265.85	4,738.83	-2.67	-2.34	2.66	0.129	-0.095	-10.453
4,834.00	0.35	287.39	4,833.83	-2.61	-2.98	2.59	0.181	-0.095	22.674
5,023.00	0.09	287.75	5,022.82	-2.39	-3.67	2.37	0.138	-0.138	0.190
5,118.00	0.26	322.19	5,117.82	-2.20	-3.87	2.17	0.203	0.179	36.253
5,307.00	0.09	141.84	5,306.82	-1.98	-4.05	1.95	0.185	-0.090	95.053
5,497.00	0.44	111.25	5,496.82	-2.36	-3.27	2.34	0.192	0.184	-16.100
5,553.00	0.18	78.03	5,552.82	-2.42	-2.99	2.40	0.546	-0.464	-59.321
5,678.00	0.40	109.23	5,677.82	-2.52	-2.38	2.51	0.210	0.176	24.960



Aim Directional Services, LLC

Survey Report



Company:	Avant Operating, LLC	Local Co-ordinate Reference:	Well 301H
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Site:	Golden Tee 31 Fed Com 301H	MD Reference:	Well @ 3480.00usft (H&P 462)
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Wellbore:	Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	RTOC- EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,773.00	3.38	343.28	5,772.77	0.05	-2.88	-0.07	3.820	3.137	-132.579
5,868.00	6.51	332.03	5,867.40	7.49	-6.21	-7.53	3.434	3.295	-11.842
5,962.00	9.80	322.45	5,960.44	18.54	-13.59	-18.64	3.775	3.500	-10.191
6,057.00	12.88	319.20	6,053.58	32.97	-25.43	-33.15	3.310	3.242	-3.421
6,152.00	15.60	318.15	6,145.65	50.51	-40.88	-50.79	2.876	2.863	-1.105
6,246.00	16.35	318.67	6,236.02	69.86	-58.05	-70.26	0.812	0.798	0.553
6,341.00	16.92	319.29	6,327.05	90.38	-75.90	-90.90	0.628	0.600	0.653
6,435.00	17.32	319.11	6,416.88	111.32	-93.98	-111.98	0.429	0.426	-0.191
6,530.00	17.32	311.82	6,507.58	131.44	-113.78	-132.23	2.283	0.000	-7.674
6,625.00	17.54	309.80	6,598.22	150.04	-135.31	-150.98	0.678	0.232	-2.126
6,719.00	17.54	310.68	6,687.85	168.34	-156.94	-169.43	0.282	0.000	0.936
6,814.00	17.36	312.61	6,778.48	187.26	-178.22	-188.50	0.638	-0.189	2.032
6,909.00	17.32	314.81	6,869.16	206.82	-198.69	-208.21	0.691	-0.042	2.316
7,003.00	17.32	316.13	6,958.90	226.77	-218.31	-228.29	0.418	0.000	1.404
7,098.00	17.41	316.13	7,049.57	247.21	-237.96	-248.87	0.095	0.095	0.000
7,193.00	17.41	316.39	7,140.22	267.75	-257.61	-269.54	0.082	0.000	0.274
7,287.00	16.92	316.74	7,230.03	287.89	-276.69	-289.82	0.533	-0.521	0.372
7,382.00	16.53	317.53	7,321.01	307.93	-295.29	-309.98	0.475	-0.411	0.832
7,477.00	14.77	316.92	7,412.49	326.74	-312.68	-328.92	1.861	-1.853	-0.642
7,572.00	14.20	316.39	7,504.47	344.03	-328.99	-346.31	0.616	-0.600	-0.558
7,666.00	13.58	315.16	7,595.72	360.20	-344.73	-362.60	0.731	-0.660	-1.309
7,761.00	12.79	316.65	7,688.21	375.75	-359.81	-378.26	0.905	-0.832	1.568
7,856.00	13.67	318.94	7,780.69	391.87	-374.40	-394.47	1.078	0.926	2.411
7,951.00	12.53	319.91	7,873.22	408.22	-388.41	-410.92	1.222	-1.200	1.021
8,045.00	13.01	317.88	7,964.89	423.86	-402.07	-426.66	0.699	0.511	-2.160
8,140.00	14.33	316.48	8,057.20	440.32	-417.34	-443.22	1.432	1.389	-1.474
8,235.00	12.79	315.86	8,149.55	456.39	-432.76	-459.40	1.628	-1.621	-0.653
8,330.00	12.13	316.21	8,242.31	471.15	-446.99	-474.25	0.699	-0.695	0.368
8,425.00	11.87	314.98	8,335.24	485.26	-460.81	-488.46	0.384	-0.274	-1.295
8,519.00	14.95	315.42	8,426.66	500.73	-476.16	-504.04	3.278	3.277	0.468
8,614.00	13.14	316.57	8,518.82	517.30	-492.19	-520.73	1.928	-1.905	1.211
8,709.00	11.69	317.36	8,611.60	532.22	-506.13	-535.75	1.537	-1.526	0.832
8,804.00	12.22	313.05	8,704.54	546.17	-520.00	-549.79	1.093	0.558	-4.537
8,898.00	15.34	313.40	8,795.82	561.51	-536.31	-565.24	3.320	3.319	0.372
8,993.00	13.05	314.28	8,887.91	577.63	-553.12	-581.48	2.421	-2.411	0.926
9,088.00	11.52	314.10	8,980.73	591.72	-567.61	-595.67	1.611	-1.611	-0.189
9,183.00	12.66	315.51	9,073.63	605.75	-581.72	-609.80	1.240	1.200	1.484
9,278.00	13.32	313.93	9,166.20	620.77	-596.90	-624.92	0.789	0.695	-1.663
9,319.00	13.10	313.67	9,206.11	627.25	-603.66	-631.45	0.556	-0.537	-0.634
9,414.00	15.52	274.20	9,298.37	635.64	-624.17	-639.98	10.362	2.547	-41.547
9,509.00	20.53	238.52	9,388.95	627.84	-651.15	-632.37	12.510	5.274	-37.558
9,603.00	22.20	211.45	9,476.70	604.03	-674.53	-608.72	10.550	1.777	-28.798
9,698.00	30.59	195.72	9,561.82	565.33	-690.49	-570.14	11.429	8.832	-16.558



Aim Directional Services, LLC

Survey Report



Company:	Avant Operating, LLC	Local Co-ordinate Reference:	Well 301H
Project:	Lea Co., NM (NAD 83)	TVD Reference:	Well @ 3480.00usft (H&P 462)
Site:	Golden Tee 31 Fed Com 301H	MD Reference:	Well @ 3480.00usft (H&P 462)
Well:	301H	North Reference:	Grid
Wellbore:	Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	RTOC- EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,793.00	48.62	199.50	9,634.72	507.98	-709.10	-512.92	19.140	18.979	3.979
9,887.00	59.47	188.86	9,689.93	434.38	-727.19	-439.45	14.712	11.543	-11.319
9,982.00	62.59	179.19	9,736.03	351.62	-732.91	-356.73	9.487	3.284	-10.179
10,077.00	65.67	177.00	9,777.48	266.21	-730.05	-271.30	3.849	3.242	-2.305
10,171.00	77.27	179.72	9,807.30	177.28	-727.57	-182.35	12.640	12.340	2.894
10,193.12	80.50	181.19	9,811.57	155.58	-727.75	-160.66	16.005	14.614	6.652
FTP GT 31 Fed Com 301H									
10,211.00	83.12	182.36	9,814.11	137.89	-728.30	-142.97	16.005	14.639	6.536
10,288.00	89.98	183.32	9,818.74	61.17	-732.10	-66.28	8.995	8.909	1.247
10,382.00	89.27	181.65	9,819.36	-32.74	-736.18	27.60	1.930	-0.755	-1.777
10,477.00	90.15	180.25	9,819.84	-127.72	-737.75	122.56	1.741	0.926	-1.474
10,571.00	91.25	180.60	9,818.69	-221.71	-738.45	216.55	1.228	1.170	0.372
10,666.00	89.71	179.63	9,817.90	-316.70	-738.64	311.54	1.916	-1.621	-1.021
10,760.00	88.44	178.93	9,819.41	-410.68	-737.46	405.52	1.543	-1.351	-0.745
10,855.00	89.27	178.67	9,821.31	-505.64	-735.47	500.49	0.916	0.874	-0.274
10,950.00	86.77	178.05	9,824.59	-600.53	-732.75	595.40	2.711	-2.632	-0.653
11,045.00	86.95	177.87	9,829.80	-695.33	-729.38	690.22	0.268	0.189	-0.189
11,139.00	88.09	177.87	9,833.87	-789.18	-725.89	784.09	1.213	1.213	0.000
11,234.00	89.58	177.87	9,835.80	-884.09	-722.36	879.02	1.568	1.568	0.000
11,328.00	88.44	179.19	9,837.42	-978.04	-719.95	972.99	1.855	-1.213	1.404
11,423.00	88.35	179.19	9,840.08	-1,072.99	-718.60	1,067.95	0.095	-0.095	0.000
11,518.00	88.88	178.84	9,842.38	-1,167.95	-716.97	1,162.92	0.669	0.558	-0.368
11,613.00	89.63	178.23	9,843.61	-1,262.91	-714.54	1,257.89	1.018	0.789	-0.642
11,707.00	90.86	177.79	9,843.21	-1,356.85	-711.28	1,351.85	1.390	1.309	-0.468
11,802.00	89.80	179.37	9,842.66	-1,451.82	-708.92	1,446.83	2.003	-1.116	1.663
11,897.00	90.51	179.37	9,842.41	-1,546.81	-707.88	1,541.83	0.747	0.747	0.000
11,991.00	89.45	180.42	9,842.44	-1,640.81	-707.71	1,635.83	1.587	-1.128	1.117
12,085.00	88.57	180.86	9,844.06	-1,734.78	-708.76	1,729.79	1.047	-0.936	0.468
12,180.00	89.23	180.69	9,845.89	-1,829.76	-710.04	1,824.76	0.717	0.695	-0.179
12,275.00	87.16	180.60	9,848.88	-1,924.70	-711.11	1,919.69	2.181	-2.179	-0.095
12,369.00	87.52	180.51	9,853.24	-2,018.59	-712.02	2,013.57	0.395	0.383	-0.096
12,464.00	89.05	180.16	9,856.09	-2,113.55	-712.58	2,108.52	1.652	1.611	-0.368
12,559.00	87.82	180.77	9,858.68	-2,208.51	-713.35	2,203.47	1.445	-1.295	0.642
12,654.00	88.26	180.60	9,861.93	-2,303.44	-714.48	2,298.40	0.496	0.463	-0.179
12,749.00	89.27	179.72	9,863.98	-2,398.42	-714.75	2,393.37	1.410	1.063	-0.926
12,843.00	91.65	179.10	9,863.22	-2,492.40	-713.78	2,487.36	2.616	2.532	-0.660
12,938.00	90.73	179.28	9,861.25	-2,587.37	-712.44	2,582.34	0.987	-0.968	0.189
13,033.00	90.95	179.02	9,859.86	-2,682.35	-711.03	2,677.32	0.358	0.232	-0.274
13,128.00	92.66	179.02	9,856.86	-2,777.29	-709.40	2,772.27	1.800	1.800	0.000
13,222.00	91.34	178.93	9,853.58	-2,871.21	-707.72	2,866.20	1.408	-1.404	-0.096
13,316.00	90.51	179.37	9,852.07	-2,965.19	-706.33	2,960.19	0.999	-0.883	0.468
13,410.00	92.48	180.16	9,849.61	-3,059.15	-705.94	3,054.15	2.258	2.096	0.840
13,505.00	91.52	180.69	9,846.30	-3,154.09	-706.65	3,149.08	1.154	-1.011	0.558
13,599.00	86.55	179.10	9,847.88	-3,248.04	-706.48	3,243.03	5.551	-5.287	-1.691



Aim Directional Services, LLC

Survey Report



Company:	Avant Operating, LLC	Local Co-ordinate Reference:	Well 301H
Project:	Lea Co., NM (NAD 83)	TVD Reference:	Well @ 3480.00usft (H&P 462)
Site:	Golden Tee 31 Fed Com 301H	MD Reference:	Well @ 3480.00usft (H&P 462)
Well:	301H	North Reference:	Grid
Wellbore:	Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	RTOC- EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
13,693.00	85.85	178.23	9,854.11	-3,341.81	-704.29	3,336.81	1.186	-0.745	-0.926
13,788.00	87.82	178.14	9,859.36	-3,436.61	-701.29	3,431.63	2.076	2.074	-0.095
13,882.00	90.81	178.14	9,860.48	-3,530.55	-698.24	3,525.58	3.181	3.181	0.000
13,977.00	89.32	179.19	9,860.37	-3,625.52	-696.02	3,620.57	1.919	-1.568	1.105
14,071.00	90.68	177.35	9,860.37	-3,719.47	-693.19	3,714.54	2.434	1.447	-1.957
14,165.00	92.97	177.52	9,857.38	-3,813.32	-688.98	3,808.42	2.443	2.436	0.181
14,260.00	92.13	177.79	9,853.15	-3,908.14	-685.10	3,903.27	0.929	-0.884	0.284
14,354.00	91.21	178.14	9,850.41	-4,002.04	-681.76	3,997.19	1.047	-0.979	0.372
14,449.00	88.44	177.96	9,850.70	-4,096.98	-678.53	4,092.14	2.922	-2.916	-0.189
14,544.00	87.52	178.93	9,854.05	-4,191.88	-675.95	4,187.06	1.407	-0.968	1.021
14,639.00	90.55	179.46	9,855.65	-4,286.85	-674.62	4,282.03	3.238	3.189	0.558
14,734.00	89.54	180.34	9,855.58	-4,381.85	-674.45	4,377.03	1.410	-1.063	0.926
14,828.00	87.34	181.65	9,858.14	-4,475.79	-676.08	4,470.96	2.724	-2.340	1.394
14,923.00	88.44	181.48	9,861.63	-4,570.69	-678.68	4,565.84	1.172	1.158	-0.179
15,018.00	90.77	181.57	9,862.29	-4,665.65	-681.20	4,660.78	2.454	2.453	0.095
15,113.00	92.31	181.39	9,859.73	-4,760.58	-683.66	4,755.69	1.632	1.621	-0.189
15,207.00	92.31	181.39	9,855.95	-4,854.47	-685.94	4,849.57	0.000	0.000	0.000
15,302.00	92.22	181.04	9,852.19	-4,949.38	-687.95	4,944.45	0.380	-0.095	-0.368
15,396.00	90.59	179.46	9,849.89	-5,043.34	-688.36	5,038.41	2.415	-1.734	-1.681
15,491.00	94.42	180.69	9,845.73	-5,138.23	-688.48	5,133.30	4.234	4.032	1.295
15,585.00	91.47	180.16	9,840.91	-5,232.09	-689.18	5,227.15	3.188	-3.138	-0.564
15,680.00	90.46	180.25	9,839.31	-5,327.08	-689.52	5,322.13	1.067	-1.063	0.095
15,774.00	89.10	179.28	9,839.67	-5,421.07	-689.13	5,416.13	1.777	-1.447	-1.032
15,868.00	89.58	178.75	9,840.75	-5,515.05	-687.52	5,510.12	0.761	0.511	-0.564
15,963.00	89.32	178.23	9,841.66	-5,610.02	-685.01	5,605.10	0.612	-0.274	-0.547
16,058.00	89.49	177.79	9,842.65	-5,704.95	-681.71	5,700.05	0.497	0.179	-0.463
16,153.00	91.03	177.70	9,842.22	-5,799.87	-677.98	5,795.00	1.624	1.621	-0.095
16,247.00	90.86	176.82	9,840.67	-5,893.75	-673.48	5,888.91	0.953	-0.181	-0.936
16,342.00	92.48	176.29	9,837.90	-5,988.54	-667.78	5,983.73	1.794	1.705	-0.558
16,437.00	93.36	175.24	9,833.06	-6,083.15	-660.77	6,078.39	1.441	0.926	-1.105
16,532.00	93.76	175.94	9,827.16	-6,177.69	-653.48	6,172.98	0.847	0.421	0.737
16,626.00	91.03	177.70	9,823.23	-6,271.45	-648.27	6,266.77	3.454	-2.904	1.872
16,721.00	89.45	178.58	9,822.83	-6,366.39	-645.19	6,361.74	1.904	-1.663	0.926
16,816.00	89.89	180.34	9,823.38	-6,461.39	-644.29	6,456.73	1.910	0.463	1.853
16,910.00	92.26	179.46	9,821.62	-6,555.36	-644.13	6,550.70	2.689	2.521	-0.936
17,005.00	90.55	180.25	9,819.29	-6,650.33	-643.89	6,645.67	1.983	-1.800	0.832
17,100.00	91.78	180.77	9,817.36	-6,745.30	-644.74	6,740.64	1.406	1.295	0.547
17,194.00	89.19	181.57	9,816.56	-6,839.27	-646.65	6,834.59	2.884	-2.755	0.851
17,289.00	91.96	182.80	9,815.61	-6,934.19	-650.28	6,929.48	3.190	2.916	1.295
17,383.00	87.91	183.41	9,815.71	-7,028.03	-655.37	7,023.28	4.357	-4.309	0.649
17,477.00	82.59	182.27	9,823.50	-7,121.55	-660.01	7,116.77	5.787	-5.660	-1.213
17,572.00	83.69	181.57	9,834.84	-7,215.82	-663.17	7,211.01	1.370	1.158	-0.737
17,666.00	85.05	180.77	9,844.06	-7,309.34	-665.08	7,304.52	1.676	1.447	-0.851



Aim Directional Services, LLC

Survey Report



Company:	Avant Operating, LLC	Local Co-ordinate Reference:	Well 301H
Project:	Lea Co., NM (NAD 83)	TVD Reference:	Well @ 3480.00usft (H&P 462)
Site:	Golden Tee 31 Fed Com 301H	MD Reference:	Well @ 3480.00usft (H&P 462)
Well:	301H	North Reference:	Grid
Wellbore:	Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	RTOC- EDM 5000.1 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
17,760.00	86.07	180.42	9,851.34	-7,403.05	-666.05	7,398.22	1.147	1.085	-0.372	
17,855.00	86.51	179.81	9,857.49	-7,497.85	-666.24	7,493.02	0.791	0.463	-0.642	
17,909.42	86.94	178.95	9,860.60	-7,552.18	-665.66	7,547.35	1.755	0.786	-1.571	
LTP GT 31 Fed Com 301H - PBHL GT 31 Fed Com 301H										
17,911.00	86.95	178.93	9,860.68	-7,553.76	-665.63	7,548.93	1.755	0.786	-1.571	
Last Aim Svy										
17,968.00	86.95	178.93	9,863.72	-7,610.67	-664.56	7,605.84	0.000	0.000	0.000	
Proj to BHL										

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
227.00	227.00	-0.31	-0.53	First Aim Svy	
17,911.00	9,860.68	-7,553.76	-665.63	Last Aim Svy	
17,968.00	9,863.72	-7,610.67	-664.56	Proj to BHL	

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

ACKNOWLEDGMENTS

Action 83040

ACKNOWLEDGMENTS

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 83040
	Action Type: [C-104] Completion Packet (C-104C)

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.

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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

CONDITIONS

Action 83040

CONDITIONS

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 83040
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 5/18/2022.	4/7/2022