

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 Novo Oil & Gas Northern Delaware, LLC 1001 W. Wilshire Blvd., Suite 206 Oklahoma City, OK 73116 405-404-0414		² OGRID Number 372920	
		³ Reason for Filing Code/ Effective Date NW	
⁴ API Number 30 - 015-46861	⁵ Pool Name Purple Sage; Wolfcamp Gas Pool		⁶ Pool Code 98220
⁷ Property Code	⁸ Property Name Astrodog Fee 0809		⁹ Well Number 234H

II. ¹⁰ Surface Location

UL or lot no. I	Section 7	Township 23S	Range 29E	Lot Idn	Feet from the 2370	North/South Line S	Feet from the 1090	East/West line E	County EDDY
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¹¹ Bottom Hole Location

UL or lot no. P	Section 9	Township 23S	Range 29E	Lot Idn	Feet from the 330	North/South line S	Feet from the 251	East/West line E	County EDDY
¹² Lse Code	¹³ Producing Method Code	¹⁴ Gas Connection Date	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, LP P.O. Box 4648 Houston, TX 77210-4648	O
282301	Crestwood New Mexico Pipeline, LLC 801 Cherry Street, Ste 3400, Unit 20 Fort Worth, TX 76102	G

IV. Well Completion Data

²¹ Spud Date 7/18/2021	²² Ready Date 4/25/2022	²³ TD 21540'	²⁴ PBTD	²⁵ Perforations 11509' - 21415'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
17.5		13.375	382'		385 sx
9.875		8.625	10244'		680 sx
7.875		5.5	21529'		3490 sx

V. Well Test Data

³¹ Date New Oil 5/25/2022	³² Gas Delivery Date 5/25/2022	³³ Test Date 6/26/2022	³⁴ Test Length 24 Hours	³⁵ Tbg. Pressure 2709	³⁶ Csg. Pressure
³⁷ Choke Size 43/64	³⁸ Oil 1281	³⁹ Water 5324	⁴⁰ Gas 10374		⁴¹ Test Method Flowing
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>Linda Good</i>			OIL CONSERVATION DIVISION		
Printed name: Linda Good			Approved by:		
Title: Contractor			Title:		
E-mail Address: goodl_ctr@novoog.com			Approval Date:		
Date: 7/7/2022		Phone: 405-404-0414			

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: (505) 748-1283 Fax: (505) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-46861		² Pool Code 98220	³ Pool Name Purple Sage; Wolfcamp Gas Pool	
⁴ Property Code	⁵ Property Name ASTRODOG FEE 0809			⁶ Well Number 234H
⁷ OGRID No. 372920	⁸ Operator Name NOVO OIL & GAS NORTHERN DELAWARE, LLC			⁹ Elevation 3009.9

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
I	7	23 S	29 E		2370	SOUTH	1090	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no. P	Section 9	Township 23 S	Range 29 E	Lot Idn	Feet from the 330	North/South line SOUTH	Feet from the 251	East/West line EAST	County EDDY
¹² Dedicated Acres 640	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.

NW CORNER SEC. 7
LAT. = 32.3275007°N
LONG. = 104.0319716°W
NMSP EAST (FT)
N = 483007.81
E = 634422.64

N/4 CORNER SEC. 7
LAT. = 32.3272315°N
LONG. = 104.0239843°W
NMSP EAST (FT)
N = 482916.93
E = 636890.08

SW CORNER SEC. 7
LAT. = 32.3126341°N
LONG. = 104.0320645°W
NMSP EAST (FT)
N = 477672.21
E = 634408.96

NW CORNER SEC. 8
LAT. = 32.3269490°N
LONG. = 104.0156765°W
NMSP EAST (FT)
N = 482821.66
E = 639456.52

N/4 CORNER SEC. 8
LAT. = 32.3270383°N
LONG. = 104.0071330°W
NMSP EAST (FT)
N = 482862.06
E = 642095.38

SW CORNER SEC. 8
LAT. = 32.3123728°N
LONG. = 104.0152649°W
NMSP EAST (FT)
N = 477519.37
E = 639599.40

SECTION CORNER
LAT. = 32.3270813°N
LONG. = 103.9985277°W
NMSP EAST (FT)
N = 482885.93
E = 644753.39

N/4 CORNER SEC. 9
LAT. = 32.3271460°N
LONG. = 103.9812888°W
NMSP EAST (FT)
N = 482928.51
E = 650078.15

SE CORNER SEC. 9
LAT. = 32.3124611°N
LONG. = 103.9811277°W
NMSP EAST (FT)
N = 477584.46
E = 650145.47

S87°53'26"E 2469.66 FT S87°52'27"E 2568.78 FT N89°07'22"E 2639.76 FT N89°29'08"E 2658.70 FT N89°33'48"E 2663.05 FT N89°33'48"E 2663.05 FT

KICK OFF POINT
502' FSL, 323' FEL
LAT. = 32.3137854°N
LONG. = 104.0163704°W
N = 478032.26
E = 639256.54

W/4 CORNER SEC. 7
LAT. = 32.3201760°N
LONG. = 104.0320194°W
NMSP EAST (FT)
N = 480343.13
E = 634415.38

ASTRODOD FEE 0809 234H
ELEV. = 3009.9'
LAT. = 32.3189970°N (NAD83)
LONG. = 104.0190800°W
NMSP EAST (FT)
N = 479925.72
E = 638413.72

FIRST TAKE POINT
435' FSL, 335' FWL
LAT. = 32.3135742°N
LONG. = 104.0142310°W
N = 477957.38
E = 639917.49

W/4 CORNER SEC. 8
LAT. = 32.3196399°N
LONG. = 104.0155775°W
NMSP EAST (FT)
N = 480162.41
E = 639494.98

S/4 CORNER SEC. 8
LAT. = 32.3123728°N
LONG. = 104.0152649°W
NMSP EAST (FT)
N = 477519.37
E = 639599.40

LAST TAKE POINT
334' FSL, 333' FEL
LAT. = 32.3133791°N
LONG. = 103.9822141°W
N = 477917.33
E = 649808.73

QUARTER CORNER
LAT. = 32.3133791°N
LONG. = 103.9822141°W
NMSP EAST (FT)
N = 477917.33
E = 649808.73

SE CORNER SEC. 9
LAT. = 32.3124611°N
LONG. = 103.9811277°W
NMSP EAST (FT)
N = 477584.46
E = 650145.47

S01°12'00"E 2660.53 FT S01°12'00"E 2660.53 FT S01°12'00"E 2660.53 FT S01°12'00"E 2660.53 FT S01°12'00"E 2660.53 FT S01°12'00"E 2660.53 FT

SEC. 7
SURFACE LOCATION
1090'

ASTRODOD FEE 0809 234H
ELEV. = 3009.9'
LAT. = 32.3189970°N (NAD83)
LONG. = 104.0190800°W
NMSP EAST (FT)
N = 479925.72
E = 638413.72

SEC. 8
AS-DRILLED

SEC. 9
BOTTOM OF HOLE
251'

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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 such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Justin Carter

Signature

3.7.2022

Date

Justin Carter

Printed Name

jcarter@novoog.com

E-mail Address

18 SURVEYOR CERTIFICATION

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.

NOVEMBER 16, 2021

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number:

PLAT NO. 104.0320645°W

SURVEY NO. 7879A



Survey Report

Service Company: SB Directional

Location: SE/4 Section 7,T-23-S,R-29-E

Well: Astrodog Fee 0809 234H

Rig: Precision 596

API or UWI: 30-015-46861

Job Number: 821496

State: NM

Operating Company: NOVO Oil and Gas

County: Eddy

Magnetic Declination: 6.58

Country: USA

Proposed Azimuth: 90.00

Comment

North Reference: GRID

Latitude: 32.318997

Longitude: -104.01908

Tie-In Data

MD	Inclination	Azimuth	TVD	NS	EW
0.00	0.00	0.00	0.00	0.00	0.00

Survey Data

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
113.00	0.70	126.58	113.00	-0.41	0.55	126.58	0.69	0.55	0.62
206.00	0.50	208.58	205.99	-1.11	0.82	143.57	1.37	0.82	0.86
234.00	0.30	127.58	233.99	-1.26	0.82	147.04	1.50	0.82	1.93
292.00	0.20	238.58	291.99	-1.40	0.85	148.80	1.64	0.85	0.72
324.00	0.30	227.58	323.99	-1.49	0.74	153.56	1.66	0.74	0.35
406.00	0.40	177.58	405.99	-1.92	0.59	162.81	2.01	0.59	0.38
501.00	1.14	213.83	500.98	-3.04	0.08	178.45	3.04	0.08	0.90
594.00	1.49	212.95	593.96	-4.82	-1.09	192.75	4.94	-1.09	0.38
685.00	1.54	85.68	684.94	-5.72	-0.51	185.14	5.74	-0.51	2.98
776.00	2.68	201.43	775.91	-7.61	-0.07	180.55	7.61	-0.07	3.98
865.00	3.47	195.63	864.78	-12.14	-1.56	187.32	12.24	-1.56	0.95
954.00	4.26	186.05	953.58	-18.02	-2.63	188.31	18.21	-2.63	1.14
1043.00	4.79	183.86	1042.30	-25.02	-3.23	187.36	25.22	-3.23	0.63
1133.00	5.41	178.76	1131.94	-33.01	-3.39	185.87	33.18	-3.39	0.85
1223.00	5.27	169.86	1221.55	-41.32	-2.57	183.56	41.40	-2.57	0.93
1312.00	6.07	162.32	1310.12	-49.82	-0.42	180.49	49.83	-0.42	1.23

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
1401.00	6.99	157.84	1398.54	-59.32	3.05	177.06	59.40	3.05	1.18
1490.00	7.69	156.61	1486.81	-69.80	7.45	173.90	70.20	7.45	0.81
1579.00	10.02	152.92	1574.74	-82.17	13.34	170.78	83.24	13.34	2.69
1669.00	12.53	149.49	1663.00	-97.55	21.87	167.37	99.97	21.87	2.89
1758.00	13.85	150.90	1749.65	-115.18	31.95	164.50	119.53	31.95	1.53
1847.00	14.55	155.29	1835.93	-134.64	41.80	162.75	140.98	41.80	1.44
1937.00	14.59	159.60	1923.04	-155.54	50.48	162.02	163.52	50.48	1.21
2026.00	15.34	158.89	2009.02	-177.03	58.63	161.68	186.48	58.63	0.87
2115.00	17.49	152.92	2094.40	-199.92	68.96	160.97	211.48	68.96	3.07
2204.00	19.65	149.93	2178.76	-224.78	82.55	159.84	239.46	82.55	2.65
2293.00	18.07	152.83	2262.98	-250.01	96.35	158.92	267.94	96.35	2.06
2383.00	19.78	153.97	2348.11	-276.12	109.41	158.39	297.00	109.41	1.94
2472.00	21.36	153.01	2431.44	-304.09	123.37	157.92	328.17	123.37	1.82
2562.00	23.21	150.02	2514.71	-334.06	139.67	157.31	362.09	139.67	2.41
2651.00	24.75	150.11	2596.03	-365.41	157.72	156.65	397.99	157.72	1.73
2741.00	22.15	148.87	2678.59	-396.27	175.89	156.07	433.55	175.89	2.94
2830.00	19.12	149.49	2761.87	-423.20	191.96	155.60	464.70	191.96	3.41
2919.00	19.25	151.34	2845.93	-448.63	206.40	155.29	493.83	206.40	0.70
3009.00	18.46	154.68	2931.10	-474.53	219.61	155.17	522.88	219.61	1.49
3098.00	20.92	154.85	3014.89	-501.65	232.39	155.14	552.87	232.39	2.76
3187.00	22.90	153.01	3097.46	-531.47	247.00	155.07	586.06	247.00	2.35
3277.00	24.09	152.57	3180.00	-563.38	263.41	154.94	621.92	263.41	1.34
3366.00	24.97	151.95	3260.96	-596.08	280.61	154.79	658.83	280.61	1.03
3456.00	25.45	152.39	3342.39	-629.98	298.51	154.65	697.12	298.51	0.57
3545.00	25.10	151.42	3422.87	-663.50	316.40	154.51	735.08	316.40	0.61
3634.00	25.89	150.63	3503.20	-697.01	334.96	154.33	773.32	334.96	0.97
3723.00	26.42	148.61	3583.09	-730.85	354.81	154.10	812.42	354.81	1.16
3813.00	25.45	147.64	3664.03	-764.28	375.59	153.83	851.58	375.59	1.18
3902.00	22.42	147.82	3745.36	-794.80	394.86	153.58	887.48	394.86	3.41
3992.00	23.43	151.42	3828.26	-825.04	412.57	153.43	922.44	412.57	1.92
4081.00	23.30	151.60	3909.96	-856.06	429.40	153.36	957.72	429.40	0.17
4170.00	25.19	154.24	3991.11	-888.61	446.01	153.35	994.26	446.01	2.45
4259.00	26.24	153.09	4071.29	-923.21	463.14	153.36	1032.87	463.14	1.31
4349.00	26.07	153.45	4152.08	-958.64	480.99	153.36	1072.54	480.99	0.26
4438.00	25.54	152.74	4232.20	-993.19	498.52	153.35	1111.28	498.52	0.69
4528.00	24.97	154.24	4313.60	-1027.55	515.66	153.35	1149.68	515.66	0.95
4617.00	24.26	156.17	4394.51	-1061.19	531.21	153.41	1186.73	531.21	1.20

DigiDrill DataLogger

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MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
4706.00	25.19	155.91	4475.35	-1095.21	546.33	153.49	1223.91	546.33	1.05
4796.00	26.07	156.35	4556.50	-1130.81	562.08	153.57	1262.80	562.08	1.00
4885.00	27.25	157.40	4636.04	-1167.54	577.76	153.67	1302.67	577.76	1.43
4974.00	28.00	156.79	4714.89	-1205.55	593.82	153.78	1343.87	593.82	0.90
5063.00	27.78	156.70	4793.55	-1243.80	610.26	153.87	1385.44	610.26	0.25
5152.00	26.37	156.43	4872.80	-1280.97	626.37	153.94	1425.91	626.37	1.59
5241.00	25.76	155.64	4952.74	-1316.70	642.25	154.00	1464.99	642.25	0.79
5331.00	24.40	154.41	5034.26	-1351.29	658.34	154.02	1503.13	658.34	1.62
5420.00	22.07	153.62	5116.03	-1382.85	673.72	154.02	1538.23	673.72	2.64
5509.00	19.08	155.03	5199.35	-1411.02	687.29	154.03	1569.51	687.29	3.41
5599.00	17.76	153.97	5284.73	-1436.69	699.52	154.04	1597.94	699.52	1.51
5688.00	16.84	156.17	5369.71	-1460.68	710.69	154.05	1624.40	710.69	1.27
5777.00	17.76	157.93	5454.68	-1485.06	721.00	154.10	1650.83	721.00	1.19
5867.00	18.95	158.02	5540.10	-1511.33	731.63	154.17	1679.10	731.63	1.32
5956.00	19.21	159.69	5624.21	-1538.46	742.12	154.25	1708.10	742.12	0.68
6045.00	19.87	155.91	5708.09	-1566.00	753.37	154.31	1737.79	753.37	1.60
6135.00	22.02	154.32	5792.14	-1595.17	766.93	154.32	1769.96	766.93	2.47
6224.00	22.86	154.50	5874.40	-1625.81	781.60	154.32	1803.93	781.60	0.95
6313.00	22.59	153.80	5956.49	-1656.75	796.59	154.32	1838.31	796.59	0.43
6402.00	19.82	153.97	6039.46	-1685.66	810.76	154.31	1870.50	810.76	3.11
6492.00	17.80	152.57	6124.65	-1711.58	823.80	154.30	1899.51	823.80	2.30
6581.00	15.34	153.71	6209.94	-1734.21	835.28	154.28	1924.88	835.28	2.79
6670.00	14.42	153.09	6295.96	-1754.65	845.51	154.27	1947.74	845.51	1.05
6760.00	13.01	151.69	6383.39	-1773.56	855.39	154.25	1969.06	855.39	1.61
6848.00	10.24	153.18	6469.58	-1789.26	863.61	154.24	1986.78	863.61	3.17
6938.00	7.91	152.21	6558.44	-1801.88	870.11	154.22	2000.97	870.11	2.59
7027.00	5.85	149.67	6646.80	-1811.22	875.26	154.21	2011.61	875.26	2.34
7116.00	3.21	153.62	6735.51	-1817.37	878.66	154.20	2018.63	878.66	2.99
7206.00	1.85	167.60	6825.42	-1821.04	880.09	154.21	2022.56	880.09	1.65
7295.00	1.05	191.85	6914.40	-1823.24	880.23	154.23	2024.60	880.23	1.11
7384.00	0.92	225.16	7003.38	-1824.55	879.55	154.26	2025.48	879.55	0.65
7474.00	0.79	239.40	7093.37	-1825.37	878.51	154.30	2025.77	878.51	0.28
7563.00	1.01	147.47	7182.37	-1826.34	878.40	154.31	2026.60	878.40	1.46
7652.00	1.32	168.47	7271.35	-1828.01	879.03	154.32	2028.38	879.03	0.59
7742.00	1.67	156.17	7361.32	-1830.23	879.77	154.33	2030.69	879.77	0.53
7831.00	2.90	187.55	7450.25	-1833.64	879.99	154.36	2033.87	879.99	1.92
7920.00	3.69	204.25	7539.10	-1838.49	878.52	154.46	2037.61	878.52	1.39

DigiDrill DataLogger

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MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
8009.00	3.21	203.10	7627.94	-1843.39	876.37	154.57	2041.10	876.37	0.54
8099.00	2.68	205.39	7717.82	-1847.61	874.48	154.67	2044.11	874.48	0.60
8188.00	2.29	210.75	7806.74	-1851.02	872.68	154.76	2046.42	872.68	0.51
8277.00	2.77	221.56	7895.65	-1854.15	870.34	154.85	2048.26	870.34	0.76
8367.00	2.29	224.90	7985.56	-1857.06	867.63	154.96	2049.74	867.63	0.56
8456.00	2.77	205.04	8074.48	-1860.26	865.46	155.05	2051.73	865.46	1.11
8545.00	2.29	200.73	8163.39	-1863.87	863.92	155.13	2054.36	863.92	0.58
8635.00	2.46	228.59	8253.32	-1866.83	861.84	155.22	2056.17	861.84	1.28
8724.00	2.73	224.02	8342.22	-1869.62	858.93	155.33	2057.49	858.93	0.38
8813.00	3.21	202.93	8431.11	-1873.44	856.49	155.43	2059.94	856.49	1.33
8903.00	3.74	192.91	8520.94	-1878.62	854.85	155.53	2063.98	854.85	0.89
8993.00	3.08	184.82	8610.78	-1883.89	853.99	155.61	2068.42	853.99	0.91
9082.00	2.37	167.07	8699.68	-1888.07	854.20	155.66	2072.31	854.20	1.23
9172.00	1.76	185.96	8789.63	-1891.26	854.48	155.69	2075.33	854.48	1.01
9261.00	1.01	198.97	8878.60	-1893.36	854.08	155.72	2077.08	854.08	0.91
9350.00	0.70	196.16	8967.59	-1894.62	853.67	155.74	2078.06	853.67	0.35
9439.00	0.31	110.12	9056.59	-1895.23	853.75	155.75	2078.65	853.75	0.84
9528.00	0.31	221.65	9145.59	-1895.49	853.81	155.75	2078.91	853.81	0.58
9618.00	1.14	210.84	9235.58	-1896.44	853.19	155.78	2079.53	853.19	0.93
9707.00	0.88	232.99	9324.56	-1897.61	852.19	155.82	2080.18	852.19	0.52
9797.00	1.01	269.55	9414.55	-1898.04	850.85	155.85	2080.02	850.85	0.67
9886.00	1.41	338.02	9503.54	-1897.03	849.65	155.87	2078.61	849.65	1.57
9975.00	0.97	317.45	9592.52	-1895.46	848.73	155.88	2076.80	848.73	0.68
10065.00	0.92	317.27	9682.51	-1894.36	847.73	155.89	2075.39	847.73	0.06
10154.00	0.88	288.36	9771.50	-1893.62	846.60	155.91	2074.25	846.60	0.51
10197.00	0.75	290.55	9814.49	-1893.42	846.02	155.92	2073.83	846.02	0.31
10329.00	0.75	249.16	9946.48	-1893.42	844.40	155.96	2073.18	844.40	0.40
10419.00	0.75	270.60	10036.47	-1893.63	843.26	156.00	2072.90	843.26	0.31
10508.00	0.26	144.22	10125.47	-1893.79	842.80	156.01	2072.86	842.80	1.04
10597.00	11.91	110.73	10213.82	-1897.21	851.54	155.83	2079.55	851.54	13.14
10686.00	20.35	115.21	10299.24	-1907.07	874.17	155.37	2097.88	874.17	9.58
10776.00	28.79	100.97	10381.09	-1917.89	909.70	154.62	2122.70	909.70	11.39
10865.00	36.00	100.36	10456.19	-1926.68	956.53	153.60	2151.06	956.53	8.11
10954.00	45.23	95.79	10523.69	-1934.59	1013.83	152.34	2184.15	1013.83	10.89
11043.00	54.51	92.62	10581.00	-1939.45	1081.61	150.85	2220.66	1081.61	10.77
11133.00	62.77	91.04	10627.80	-1941.85	1158.36	149.18	2261.10	1158.36	9.30
11222.00	66.81	92.54	10665.70	-1944.39	1238.82	147.50	2305.50	1238.82	4.79

DigiDrill DataLogger

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MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
11311.00	69.54	96.14	10698.79	-1950.66	1321.18	145.89	2355.97	1321.18	4.85
11400.00	73.23	96.23	10727.20	-1959.75	1405.01	144.36	2411.36	1405.01	4.15
11490.00	76.00	94.47	10751.08	-1967.83	1491.40	142.84	2469.13	1491.40	3.61
11579.00	78.46	92.27	10770.75	-1972.92	1578.04	141.35	2526.38	1578.04	3.67
11669.00	88.70	91.92	10780.80	-1976.18	1667.29	139.85	2585.57	1667.29	11.38
11758.00	90.46	93.15	10781.45	-1980.12	1756.20	138.43	2646.72	1756.20	2.41
11847.00	89.54	93.24	10781.45	-1985.08	1845.06	137.09	2710.13	1845.06	1.04
11936.00	89.49	94.12	10782.21	-1990.79	1933.87	135.83	2775.45	1933.87	0.99
12025.00	89.76	93.15	10782.79	-1996.44	2022.69	134.63	2842.01	2022.69	1.13
12115.00	90.86	93.77	10782.30	-2001.87	2112.52	133.46	2910.36	2112.52	1.40
12204.00	89.58	92.98	10781.96	-2007.11	2201.36	132.36	2979.01	2201.36	1.69
12293.00	90.37	93.77	10782.00	-2012.35	2290.21	131.30	3048.70	2290.21	1.26
12383.00	87.47	91.22	10783.69	-2016.26	2380.09	130.27	3119.32	2380.09	4.29
12473.00	86.90	91.13	10788.11	-2018.11	2469.96	129.25	3189.59	2469.96	0.64
12562.00	85.58	90.60	10793.95	-2019.45	2558.76	128.28	3259.66	2558.76	1.60
12651.00	85.76	90.52	10800.67	-2020.31	2647.50	127.35	3330.30	2647.50	0.22
12741.00	87.08	89.02	10806.29	-2019.95	2737.32	126.42	3401.93	2737.32	2.22
12830.00	85.49	88.41	10812.06	-2017.96	2826.11	125.53	3472.61	2826.11	1.91
12920.00	86.77	88.93	10818.13	-2015.88	2915.87	124.66	3544.87	2915.87	1.53
13009.00	90.77	90.87	10820.04	-2015.72	3004.83	123.85	3618.31	3004.83	4.99
13098.00	88.44	89.81	10820.65	-2016.25	3093.82	123.09	3692.83	3093.82	2.88
13188.00	89.36	91.22	10822.38	-2017.06	3183.80	122.36	3768.97	3183.80	1.87
13277.00	90.07	92.19	10822.83	-2019.71	3272.76	121.68	3845.80	3272.76	1.35
13366.00	87.69	91.22	10824.56	-2022.36	3361.69	121.03	3923.12	3361.69	2.89
13455.00	87.96	91.04	10827.94	-2024.11	3450.61	120.40	4000.47	3450.61	0.36
13545.00	87.30	91.48	10831.66	-2026.09	3540.51	119.78	4079.25	3540.51	0.88
13634.00	87.52	91.75	10835.69	-2028.59	3629.38	119.20	4157.84	3629.38	0.39
13723.00	86.90	90.43	10840.02	-2030.29	3718.26	118.64	4236.45	3718.26	1.64
13813.00	87.34	90.08	10844.54	-2030.69	3808.14	118.07	4315.74	3808.14	0.62
13919.00	87.08	87.44	10849.70	-2028.39	3913.99	117.40	4408.36	3913.99	2.50
14009.00	87.43	84.71	10854.01	-2022.24	4003.66	116.80	4485.40	4003.66	3.05
14098.00	87.30	82.69	10858.10	-2012.49	4092.03	116.19	4560.13	4092.03	2.27
14187.00	88.26	81.64	10861.55	-2000.36	4180.13	115.57	4634.10	4180.13	1.60
14276.00	88.44	83.04	10864.11	-1988.50	4268.29	114.98	4708.77	4268.29	1.59
14366.00	89.32	80.94	10865.87	-1975.97	4357.39	114.39	4784.49	4357.39	2.53
14455.00	89.32	76.54	10866.93	-1958.59	4444.65	113.78	4857.06	4444.65	4.94
14545.00	87.30	76.80	10869.58	-1937.85	4532.19	113.15	4929.10	4532.19	2.26

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MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
14634.00	88.22	80.06	10873.06	-1920.02	4619.30	112.57	5002.44	4619.30	3.80
14723.00	88.62	84.19	10875.52	-1907.83	4707.41	112.06	5079.32	4707.41	4.66
14812.00	87.69	87.26	10878.38	-1901.20	4796.10	111.62	5159.18	4796.10	3.60
14902.00	87.43	91.31	10882.22	-1900.08	4885.99	111.25	5242.45	4885.99	4.51
14991.00	87.52	91.92	10886.14	-1902.59	4974.87	110.93	5326.27	4974.87	0.69
15080.00	87.56	92.19	10889.96	-1905.78	5063.73	110.62	5410.49	5063.73	0.31
15170.00	88.40	91.83	10893.13	-1908.93	5153.62	110.32	5495.80	5153.62	1.02
15259.00	89.89	88.05	10894.46	-1908.84	5242.59	110.01	5579.28	5242.59	4.56
15348.00	90.15	89.11	10894.43	-1906.63	5331.56	109.68	5662.22	5331.56	1.23
15438.00	89.32	89.64	10894.85	-1905.65	5421.55	109.37	5746.72	5421.55	1.09
15528.00	88.79	92.71	10896.33	-1907.49	5511.51	109.09	5832.26	5511.51	3.46
15617.00	88.66	92.80	10898.31	-1911.77	5600.39	108.85	5917.70	5600.39	0.18
15706.00	87.82	92.36	10901.04	-1915.77	5689.25	108.61	6003.15	5689.25	1.07
15796.00	88.31	94.73	10904.08	-1921.34	5779.02	108.39	6090.05	5779.02	2.69
15885.00	90.24	96.05	10905.21	-1929.70	5867.62	108.20	6176.78	5867.62	2.63
15975.00	90.68	94.73	10904.49	-1938.15	5957.21	108.02	6264.57	5957.21	1.55
16064.00	90.90	93.68	10903.26	-1944.67	6045.96	107.83	6351.02	6045.96	1.21
16153.00	89.98	93.42	10902.58	-1950.19	6134.79	107.63	6437.30	6134.79	1.07
16242.00	86.11	91.66	10905.61	-1954.13	6223.63	107.43	6523.20	6223.63	4.78
16332.00	85.58	91.96	10912.13	-1956.96	6313.35	107.22	6609.70	6313.35	0.68
16421.00	86.15	91.39	10918.55	-1959.56	6402.08	107.02	6695.26	6402.08	0.90
16510.00	85.71	90.08	10924.87	-1960.70	6490.84	106.81	6780.52	6490.84	1.55
16600.00	86.46	91.04	10931.01	-1961.57	6580.63	106.60	6866.76	6580.63	1.35
16689.00	88.53	91.04	10934.90	-1963.19	6669.52	106.40	6952.46	6669.52	2.33
16779.00	88.75	90.87	10937.04	-1964.69	6759.49	106.21	7039.22	6759.49	0.31
16868.00	87.03	89.64	10940.31	-1965.08	6848.42	106.01	7124.77	6848.42	2.38
16957.00	86.64	89.37	10945.23	-1964.32	6937.28	105.81	7210.02	6937.28	0.53
17047.00	87.52	89.81	10949.81	-1963.67	7027.16	105.61	7296.37	7027.16	1.09
17137.00	89.67	90.16	10952.02	-1963.65	7117.13	105.42	7383.05	7117.13	2.42
17226.00	88.13	88.41	10953.73	-1962.54	7206.10	105.23	7468.56	7206.10	2.62
17315.00	90.42	90.16	10954.85	-1961.43	7295.07	105.05	7554.16	7295.07	3.24
17405.00	90.29	89.64	10954.30	-1961.27	7385.07	104.87	7641.07	7385.07	0.60
17494.00	87.91	88.85	10955.70	-1960.10	7474.05	104.70	7726.80	7474.05	2.82
17583.00	88.84	89.55	10958.22	-1958.86	7563.00	104.52	7812.56	7563.00	1.31
17673.00	89.45	89.02	10959.56	-1957.74	7652.98	104.35	7899.42	7652.98	0.90
17762.00	89.93	89.64	10960.04	-1956.69	7741.97	104.18	7985.41	7741.97	0.88
17851.00	90.33	90.69	10959.84	-1956.95	7830.97	104.03	8071.79	7830.97	1.26

DigiDrill DataLogger

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MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
17941.00	89.63	90.25	10959.87	-1957.69	7920.97	103.88	8159.31	7920.97	0.92
18030.00	88.79	91.13	10961.10	-1958.76	8009.95	103.74	8245.97	8009.95	1.37
18119.00	87.30	90.25	10964.14	-1959.83	8098.89	103.60	8332.65	8098.89	1.94
18208.00	87.43	90.43	10968.23	-1960.36	8187.80	103.46	8419.20	8187.80	0.25
18298.00	89.45	92.71	10970.68	-1962.83	8277.72	103.34	8507.25	8277.72	3.38
18387.00	90.20	93.33	10970.95	-1967.51	8366.59	103.23	8594.82	8366.59	1.09
18476.00	88.48	91.75	10971.98	-1971.46	8455.49	103.12	8682.28	8455.49	2.62
18565.00	90.37	92.54	10972.87	-1974.79	8544.42	103.01	8769.66	8544.42	2.30
18655.00	90.11	91.34	10972.49	-1977.84	8634.37	102.90	8858.00	8634.37	1.36
18744.00	89.67	89.81	10972.66	-1978.73	8723.36	102.78	8944.96	8723.36	1.79
18833.00	87.25	89.11	10975.05	-1977.89	8812.32	102.65	9031.55	8812.32	2.83
18923.00	92.88	95.00	10974.95	-1981.11	8902.18	102.55	9119.96	8902.18	9.05
19012.00	87.08	92.45	10974.98	-1986.89	8990.95	102.46	9207.87	8990.95	7.12
19101.00	87.82	93.77	10978.94	-1991.72	9079.73	102.37	9295.61	9079.73	1.70
19191.00	87.25	93.77	10982.81	-1997.63	9169.45	102.29	9384.53	9169.45	0.63
19280.00	92.66	95.53	10982.88	-2004.84	9258.12	102.22	9472.71	9258.12	6.39
19369.00	93.41	92.45	10978.17	-2011.03	9346.77	102.14	9560.66	9346.77	3.56
19458.00	91.82	88.93	10974.11	-2012.10	9435.65	102.04	9647.80	9435.65	4.34
19548.00	88.18	86.91	10974.11	-2008.83	9525.57	101.91	9735.09	9525.57	4.63
19638.00	88.57	86.03	10976.66	-2003.29	9615.37	101.77	9821.83	9615.37	1.07
19727.00	89.71	85.68	10978.00	-1996.86	9704.12	101.63	9907.44	9704.12	1.34
19816.00	89.05	87.79	10978.96	-1991.79	9792.97	101.50	9993.47	9792.97	2.48
19905.00	89.49	88.85	10980.09	-1989.18	9881.92	101.38	10080.14	9881.92	1.29
19995.00	89.05	88.85	10981.24	-1987.37	9971.89	101.27	10168.00	9971.89	0.49
20084.00	87.87	88.49	10983.63	-1985.31	10060.84	101.16	10254.85	10060.84	1.39
20173.00	88.13	89.64	10986.74	-1983.86	10149.77	101.06	10341.83	10149.77	1.32
20262.00	87.16	88.05	10990.40	-1982.07	10238.67	100.96	10428.76	10238.67	2.09
20351.00	86.64	88.67	10995.21	-1979.52	10327.50	100.85	10515.50	10327.50	0.91
20440.00	87.56	89.20	10999.71	-1977.87	10416.37	100.75	10602.49	10416.37	1.19
20529.00	89.63	91.13	11001.89	-1978.13	10505.34	100.66	10689.95	10505.34	3.18
20619.00	90.42	92.45	11001.85	-1980.94	10595.29	100.59	10778.88	10595.29	1.71
20708.00	89.63	90.60	11001.82	-1983.31	10684.25	100.52	10866.77	10684.25	2.26
20797.00	90.02	90.52	11002.09	-1984.18	10773.25	100.44	10954.44	10773.25	0.45
20886.00	89.93	90.34	11002.13	-1984.85	10862.25	100.36	11042.10	10862.25	0.23
20975.00	91.03	91.66	11001.38	-1986.40	10951.23	100.28	11129.92	10951.23	1.93
21065.00	92.18	92.62	10998.86	-1989.76	11041.13	100.22	11218.98	11041.13	1.66
21154.00	92.31	92.80	10995.37	-1993.96	11129.96	100.16	11307.16	11129.96	0.25

DigiDrill DataLogger

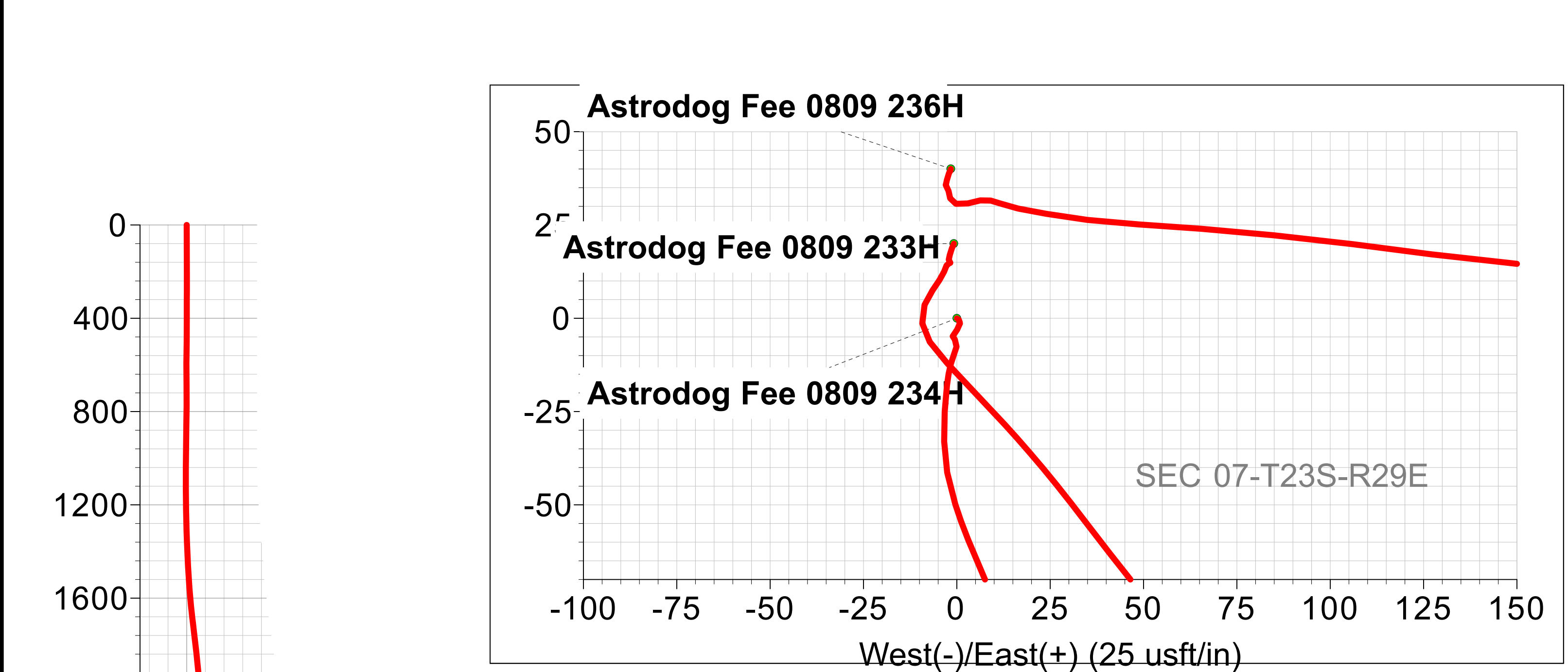
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MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
21243.00	91.21	93.33	10992.64	-1998.72	11218.79	100.10	11395.44	11218.79	1.37
21333.00	89.10	93.24	10992.40	-2003.88	11308.63	100.05	11484.80	11308.63	2.35
21422.00	87.78	93.15	10994.82	-2008.83	11397.46	100.00	11573.14	11397.46	1.49
21476.00	88.04	92.71	10996.79	-2011.59	11451.35	99.96	11626.69	11451.35	0.95

Projected Survey

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
21540.00	88.04	92.71	10998.98	-2014.62	11515.24	99.92	11690.15	11515.24	0.00



WELL DETAILS: Astrodog Fee 0809 234H Wellbore #1							
		GL Elev (ft).:		3009.90			
+N/-S	+E/-W	Northing		Easting		Latittude	Longitude
0.00	0.00	479925.72		638413.72		32.31899703	-104.01907998
SECTION DETAILS							
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure
11149.61	63.52	91.33	10635.30	-1942.16	1173.17	1173.17	2471.57
11503.02	76.36	94.15	10754.19	-1968.78	1504.01	1504.01	2803.45
16461.78	85.95	90.79	10921.36	-1960.33	6442.75	6442.75	7756.17
21422.07	87.78	93.15	10994.82	-2008.84	11397.53	11397.53	12714.08
21476.00	88.04	92.71	10996.79	-2011.59	11451.35	11451.35	12767.98
21504.00	88.04	92.71	10997.75	-2012.92	11479.31	11479.31	12795.96
							Annotation
							Cross SEC: 11149.61' MD 10635.30'; 463' FSL
							X 330' FWL: 11503.02' MD 10754.19' TVD; 436' FSL
							Cross SEC: 16461.78' MD 10921.36'; 397' FSL
							X 330' FEL: 21422.07' MD 10994.82' TVD; 332' FSL
							LS: 21476.00'MD 10996.79'TVD
							PTB: 21504.00' MD 10997.75' TVD; 248' FEL-328' FSL

T

G

M

Azimuths to Grid North

Magnetic North: 6.58°

Magnetic Field

Strength: 47494.9nT

Dip Angle: 59.92°

Date: 7/28/2021

Model: IGRF2020

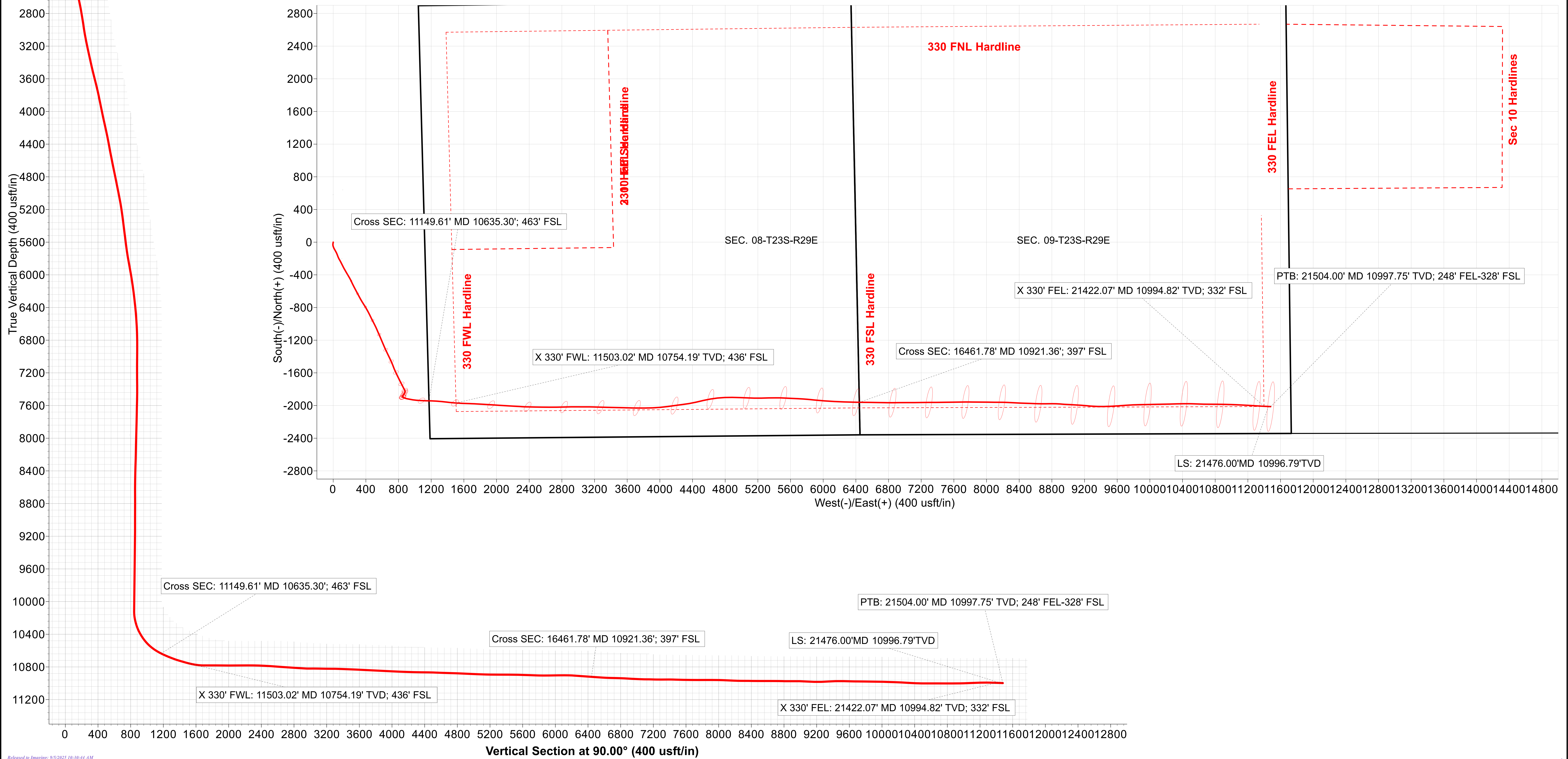
Project: EDDY CO., NM (NAD83)

Site: SEC 07-T23S-R29E

Well: Astrodog Fee 0809 234H

Wellbore: Wellbore #1

Design: Wellbore #1



Intent ☐ As Drilled ☒

API # 30-015-46861		
Operator Name: NOVO OIL & GAS NORTHERN DELAWARE, LLC	Property Name: ASTRODOG FEE 0809	Well Number 234H

Kick Off Point (KOP)

UL P	Section 7	Township 23S	Range 29E	Lot	Feet 502	From N/S SOUTH	Feet 323	From E/W EAST	County EDDY
Latitude 32.3137854					Longitude 104.0163704				NAD 83

First Take Point (FTP)

UL M	Section 8	Township 23S	Range 29E	Lot	Feet 435	From N/S SOUTH	Feet 335	From E/W WEST	County EDDY
Latitude 32.3135742					Longitude 104.0142310				NAD 83

Last Take Point (LTP)

UL P	Section 9	Township 23S	Range 29E	Lot	Feet 334	From N/S SOUTH	Feet 333	From E/W EAST	County EDDY
Latitude 32.3133791					Longitude 103.9822141				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐ Yes

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API # 30-015-46861		
Operator Name: Novo Oil & Gas Northern Delaware, LLC	Property Name: Astrodog Fee 0809	Well Number 234H

KZ 06/29/2018

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. 30-015-46861
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Astrodog Fee 0809
8. Well Number 234H
9. OGRID Number 372920
10. Pool name or Wildcat Purple Sage; Wolfcamp Gas Pool
4. Well Location Unit Letter <u>I</u> , <u>2370</u> feet from the <u>S</u> line and <u>1090</u> feet from the <u>E</u> line Section <u>7</u> Township <u>23S</u> Range <u>29E</u> NMPM County <u>EDDY</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3010' GR

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
 DOWNHOLE COMMINGLE ☐
 CLOSED-LOOP SYSTEM ☐
 OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ P AND A ☐
 CASING/CEMENT JOB ☐
 OTHER: Frac Completion ☒

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.

3/6/2022 – 3/26/2022: MIRU WL & PT csg to 14500 psi for 30 min, OK. TIH & ran CBL, found TOC @ surf. TIH w/pump through frac plug and guns. Perf Wolfcamp @ 11509' – 21415', total 1308 holes. Frac totals: 7,005,527 bbl wtr & 25,937,527# prop. ND frac, MIRU PU, NU BOP, DO plugs, ND BOP. RIH w/337 jts 2.875" tbg, set @ 10954'. TOP

Spud Date:

7/18/2021

Rig Release Date:

11/10/2021

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

SIGNATURE Linda Good TITLE Contractor DATE 7/7/2022

Type or print name Linda Good E-mail address: goodl_ctr@novoog.com PHONE: 405-404-0414

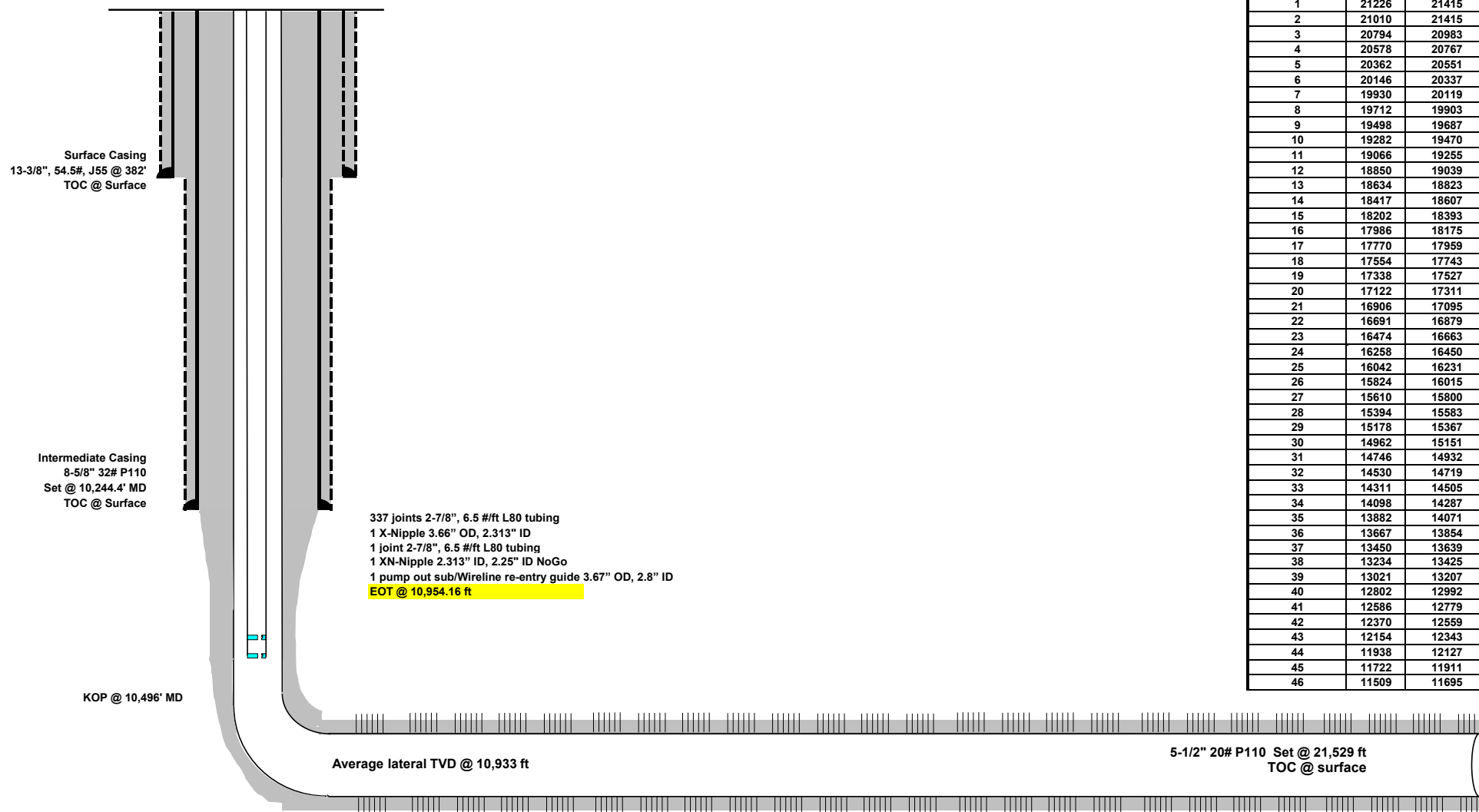
For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):



WELL NAME		ASTRODOG FEE 0809 234H		FORMATION	WOLFCAMP B
SURFACE LOCATION		2,370' FNL & 1,090' FEL of SEC 07-T23S-R29E		API Number	30-015-46861
SURFACE LOCATION	N	479,925.72	E	638,413.72	
	LATITUDE	32.318997	LONGITUDE	-104.01908	
BOTTOM-HOLE LOCATION	N		E		
	LATITUDE		LONGITUDE		
ELEVATION	GL	3,009	COUNTY	EDDY	FIELD
	KB / RKB	25.5 / 3,034.50	STATE	NEW MEXICO	TVD/TMD
				NORTHERN DELWARE BASIN	
				10,933' / 21,540'	



Perforated Intervals		
Stage	Top (ft)	Bottom (ft)
1	21226	21415
2	21010	21415
3	20794	20983
4	20578	20767
5	20362	20551
6	20146	20337
7	19930	20119
8	19712	19903
9	19498	19687
10	19282	19470
11	19066	19255
12	18850	19039
13	18634	18823
14	18417	18607
15	18202	18393
16	17986	18175
17	17770	17959
18	17554	17743
19	17338	17527
20	17122	17311
21	16906	17095
22	16691	16879
23	16474	16663
24	16258	16450
25	16042	16231
26	15824	16015
27	15610	15800
28	15394	15583
29	15178	15367
30	14962	15151
31	14746	14932
32	14530	14719
33	14311	14505
34	14098	14287
35	13882	14071
36	13667	13854
37	13450	13639
38	13234	13425
39	13021	13207
40	12802	12992
41	12586	12779
42	12370	12559
43	12154	12343
44	11938	12127
45	11722	11911
46	11509	11695

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 123461

ACKNOWLEDGMENTS

Operator: NOVO OIL & GAS NORTHERN DELAWARE, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372920
	Action Number: 123461
	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.

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

General Information
Phone: (505) 629-6116

Online Phone Directory
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State of New Mexico
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CONDITIONS

Action 123461

CONDITIONS

Operator: NOVO OIL & GAS NORTHERN DELAWARE, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372920
	Action Number: 123461
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	None	9/5/2025