

RECEIVED

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 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

JAN 22 2020

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

EMNRD-OCD ARTESIA

☒ AMENDED REPORT
as-Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-45570		² Pool Code 39350		³ Pool Name LIVINGSTON RIDGE; BONE SPRING	
⁴ Property Code 323003		⁵ Property Name ALEUTIAN 10-3 FED COM		⁶ Well Number 214H	
⁷ OGRID No. 6137		⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.		⁹ Elevation 3418.2	

¹⁰ Surface Location									
UL or lot no. P	Section 10	Township 23 S	Range 31 E	Lot Idn	Feet from the 315	North/South line SOUTH	Feet from the 850	East/West line EAST	County EDDY

" Bottom Hole Location If Different From Surface

UL or lot no. 1	Section 3	Township 23 S	Range 31 E	Lot Idn	Feet from the 119	North/South line NORTH	Feet from the 913	East/West line EAST	County EDDY
¹² Dedicated Acres 320		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. 3 LAT. = 32.3407440"N LONG. = 103.7742605"W NMSP EAST (FT) N = 488145.31 E = 714000.60 W/4 CORNER SEC. 3 LAT. = 32.3335111"N LONG. = 103.7742495"W NMSP EAST (FT) N = 485514.03 E = 714017.69 NW CORNER SEC. 10 LAT. = 32.3262527"N LONG. = 103.7742368"W NMSP EAST (FT) N = 482873.50 E = 714035.43 W/4 CORNER SEC. 10 LAT. = 32.3189960"N LONG. = 103.7742333"W NMSP EAST (FT) N = 480233.55 E = 714050.30 SW CORNER SEC. 10 LAT. = 32.3117375"N LONG. = 103.7742310"W NMSP EAST (FT) N = 477592.95 E = 714064.78				N89°43'46"E 2641.24 FT DNF BHL LOT 4 LOT 3 LOT 2 LOT 1 AS-DRILLED LAST TAKE POINT 214 FSL 912 FEL LAT. = 32.3401493"N LONG. = 103.7601118"W NMSP EAST (FT) N = 487952.04 E = 718371.47 NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83) LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83) BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE. VERTICAL DATUM NAVD83. N89°39'53"E 2641.27 FT N/4 CORNER SEC. 10 LAT. = 32.3262570"N LONG. = 103.7656880"W NMSP EAST (FT) N = 482888.95 E = 716676.08 AS-DRILLED FIRST TAKE POINT 494 FSL 1118 FEL LAT. = 32.3131018"N LONG. = 103.7607426"W NMSP EAST (FT) N = 478111.29 E = 718229.26 AS-DRILLED KOP 1786 FSL 1229 FEL LAT. = 32.3122549"N LONG. = 103.7611009"W NMSP EAST (FT) N = 477802.61 E = 718120.21 S/4 CORNER SEC. 10 LAT. = 32.3117422"N LONG. = 103.7656802"W NMSP EAST (FT) KOP N = 477608.56 E = 1716706.45				N89°43'46"E 2641.24 FT NE CORNER SEC. 3 LAT. = 32.3407356"N LONG. = 103.7571603"W NMSP EAST (FT) N = 488170.26 E = 719281.88 E/4 CORNER SEC. 3 LAT. = 32.3335234"N LONG. = 103.7571441"W NMSP EAST (FT) N = 485546.51 E = 719301.00 NE CORNER SEC. 10 LAT. = 32.3262643"N LONG. = 103.7571278"W NMSP EAST (FT) N = 482905.72 E = 719320.25 E/4 CORNER SEC. 10 LAT. = 32.3190067"N LONG. = 103.7571257"W NMSP EAST (FT) N = 480265.44 E = 719335.09 SE CORNER SEC. 10 LAT. = 32.3117463"N LONG. = 103.7571237"W NMSP EAST (FT) N = 477624.13 E = 719349.92			
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. <i>Jenny Harms</i> 9-7-2019 Signature Date Jenny Harms Printed Name Jenny.Harms@dvn.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. AUGUST 22, 2019 Date of Survey <i>WILMON F. JARAMILLO</i> Signature and Seal of Professional Surveyor Certificate Number 12797 JARAMILLO 12797 16189											

Intent ☐ As Drilled ☒

API #

30-015-4570

Operator Name:

DEVON ENERGY PRODUCTION CO., L.P.

Property Name:

ALEUTIAN 10-3 FED COM

Well Number

214H

Kick Off Point (KOP)

UL P	Section 10	Township 23S	Range 31E	Lot	Feet 186	From N/S SOUTH	Feet 1229	From E/W EAST	County EDDY
Latitude 32.3122549					Longitude 103.7611009			NAD 83	

First Take Point (FTP)

UL P	Section 10	Township 23S	Range 31E	Lot	Feet 494	From N/S SOUTH	Feet 1118	From E/W EAST	County EDDY
Latitude 32.3131018					Longitude 103.7607426			NAD 83	

Last Take Point (LTP)

UL	Section 3	Township 23S	Range 31E	Lot 1	Feet 214	From N/S NORTH	Feet 912	From E/W EAST	County EDDY
Latitude 32.3401493					Longitude 103.7601118			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit?

YES

Is this well an infill well?

NO

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

API #

Operator Name:

Property Name:

Well Number

KZ 06/29/2018

RECEIVED

SEP 12 2019

DISTRICT 7 - ARTESIA O.C.D.

Devon Energy

Eddy County, NM (NAD83 NME)

Aleutian 10-3 Fed Com

214H

OH

Design: OH

Regulatory Report (Grid)

16 August, 2019

This survey is correct to the best of my knowledge and is supported by actual field data.

Hansel Saylor

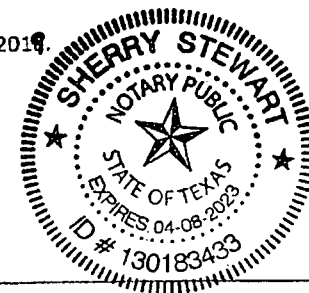
Notarized this date 16th of August, 2019.

Sherry Stewart

Notary Signature

County of Midland

State of Texas



Scientific Drilling, Intl

Regulatory Report (Grid)

Company:	Devon Energy	Local Co-ordinate Reference:	Well 214H
Project:	Eddy County, NM (NAD83 NME)	TVD Reference:	KB = 25' @ 3443.00usft (Rig KB)
Site:	Aleutian 10-3 Fed Com	MD Reference:	KB = 25' @ 3443.00usft (Rig KB)
Well:	214H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland District

Project	Eddy County, NM (NAD83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		Using geodetic scale factor

Site	Aleutian 10-3 Fed Com		
Site Position:		Northing:	477,934.12 usft
From:	Map	Easting:	718,498.47 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 18' 45.399 N
		Longitude:	103° 45' 35.547 W
		Grid Convergence:	0.31 °

Well	214H					
Well Position	+N-S	0.00 usft	Northing:	477,934.12 usft	Latitude:	32° 18' 45.399 N
	+E-W	0.00 usft	Easting:	718,498.47 usft	Longitude:	103° 45' 35.547 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	3,418.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	3/5/2019	6.85	60.03	48,005

Design	OH			
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 (bearing)
	0.00	0.00	0.00	359.36

Survey Program	Date 8/16/2019			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
195.00	20,452.00	SDI Survey #1 (OH)	MWD+HDGM	OWSG MWD + HDGM

Scientific Drilling, Intl
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Well:	214H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland District

Survey										
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Closure Azimuth (bearing)	Closure Distance (usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
195.00	0.51	257.90	195.00	-0.17	-0.18	-0.85	0.26	257.90	0.87	
241.85	0.69	261.44	241.84	-0.25	-0.27	-1.33	0.39	258.63	1.36	
333.09	0.70	256.36	333.08	-0.45	-0.48	-2.42	0.07	258.75	2.46	
425.00	0.64	262.12	424.98	-0.64	-0.68	-3.47	0.10	258.86	3.54	
518.00	0.68	263.15	517.98	-0.77	-0.82	-4.53	0.04	259.74	4.61	
587.00	0.68	246.22	586.97	-0.98	-1.03	-5.31	0.29	258.98	5.41	
698.00	0.71	254.81	697.96	-1.41	-1.48	-6.58	0.10	257.32	6.74	
790.00	0.93	269.43	789.95	-1.55	-1.64	-7.88	0.33	258.26	8.05	
882.00	0.96	261.03	881.94	-1.66	-1.76	-9.38	0.15	259.35	9.55	
973.00	0.90	266.21	972.93	-1.81	-1.93	-10.85	0.11	259.91	11.02	
1,065.00	0.87	266.79	1,064.92	-1.88	-2.02	-12.27	0.03	260.66	12.43	
1,157.00	0.84	267.82	1,156.91	-1.93	-2.08	-13.64	0.04	261.32	13.80	
1,248.00	0.71	274.26	1,247.90	-1.90	-2.07	-14.87	0.17	262.09	15.01	
1,338.00	0.45	280.01	1,337.89	-1.79	-1.96	-15.77	0.30	262.91	15.90	
1,429.00	0.55	274.67	1,428.89	-1.68	-1.87	-16.56	0.12	263.57	16.67	
1,522.00	0.68	264.44	1,521.89	-1.69	-1.88	-17.55	0.18	263.88	17.66	
1,613.00	0.67	259.48	1,612.88	-1.82	-2.03	-18.62	0.07	263.77	18.73	
1,703.00	0.44	274.28	1,702.88	-1.88	-2.10	-19.48	0.30	263.84	19.59	
1,798.00	0.47	240.54	1,797.87	-2.04	-2.27	-20.18	0.28	263.59	20.31	
1,893.00	0.37	270.38	1,892.87	-2.22	-2.46	-20.83	0.25	263.27	20.97	
1,988.00	0.44	263.84	1,987.87	-2.25	-2.49	-21.50	0.09	263.38	21.64	
2,083.00	0.51	220.25	2,082.86	-2.61	-2.86	-22.13	0.38	262.65	22.32	
2,177.00	0.48	217.45	2,176.86	-3.23	-3.49	-22.64	0.04	261.24	22.91	
2,272.00	0.57	238.69	2,271.86	-3.79	-4.05	-23.29	0.22	260.14	23.64	
2,366.00	0.38	260.17	2,365.85	-4.08	-4.34	-23.99	0.27	259.74	24.38	
2,459.00	0.48	265.76	2,458.85	-4.15	-4.43	-24.69	0.12	259.83	25.08	

Scientific Drilling, Intl
Regulatory Report (Grid)

Company:	Devon Energy	Local Co-ordinate Reference:	Well 214H
Project:	Eddy County, NM (NAD83 NME)	TVD Reference:	KB = 25' @ 3443.00usft (Rig KB)
Site:	Aleutian 10-3 Fed Com	MD Reference:	KB = 25' @ 3443.00usft (Rig KB)
Well:	214H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland District

Survey										
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Closure Azimuth (bearing)	Closure Distance (usft)	
2,555.00	2.33	263.73	2,554.82	-4.37	-4.67	-27.03	1.93	260.20	27.43	
2,648.00	3.71	254.77	2,647.69	-5.31	-5.67	-31.81	1.56	259.90	32.31	
2,742.00	4.95	257.62	2,741.42	-6.90	-7.33	-38.71	1.34	259.27	39.39	
2,837.00	6.43	260.74	2,835.95	-8.53	-9.07	-47.96	1.59	259.29	48.81	
2,931.00	6.67	271.37	2,929.34	-9.13	-9.79	-58.61	1.31	260.52	59.42	
3,027.00	7.71	265.45	3,024.58	-9.37	-10.16	-70.61	1.33	261.81	71.33	
3,121.00	8.69	250.17	3,117.63	-12.14	-13.07	-83.57	2.53	261.11	84.59	
3,216.00	8.94	247.22	3,211.51	-17.28	-18.37	-97.13	0.54	259.29	98.85	
3,311.00	9.05	247.64	3,305.34	-22.83	-24.07	-110.85	0.13	257.75	113.43	
3,407.00	8.67	243.26	3,400.20	-28.80	-30.19	-124.29	0.81	256.35	127.91	
3,502.00	8.04	241.45	3,494.19	-35.06	-36.59	-136.52	0.72	255.00	141.34	
3,597.00	7.29	234.91	3,588.34	-41.58	-43.23	-147.29	1.21	253.64	153.50	
3,691.00	6.94	227.26	3,681.62	-48.76	-50.51	-156.34	1.07	252.09	164.30	
3,784.00	6.69	238.10	3,773.96	-55.34	-57.19	-165.07	1.41	250.89	174.69	
3,879.00	6.76	241.91	3,868.31	-60.79	-62.75	-174.70	0.48	250.24	185.62	
3,974.00	6.28	231.74	3,962.70	-66.54	-68.60	-183.71	1.31	249.52	196.10	
4,069.00	6.17	227.78	4,057.14	-73.10	-75.25	-191.57	0.47	248.56	205.82	
4,164.00	6.04	224.13	4,151.60	-80.04	-82.26	-198.83	0.43	247.52	215.18	
4,238.00	5.64	222.56	4,225.22	-85.45	-87.74	-204.00	0.58	246.73	222.07	
4,351.00	5.14	224.96	4,337.72	-93.04	-95.41	-211.33	0.49	245.70	231.87	
4,446.00	5.30	235.34	4,432.33	-98.47	-100.91	-217.95	1.01	245.16	240.18	
4,541.00	6.18	246.42	4,526.85	-102.92	-105.46	-226.25	1.49	245.01	249.62	
4,636.00	6.61	249.97	4,621.26	-106.73	-109.37	-236.07	0.61	245.14	260.18	
4,731.00	6.63	250.56	4,715.63	-110.31	-113.07	-246.38	0.07	245.35	271.09	
4,825.00	6.53	248.55	4,809.01	-113.96	-116.83	-256.47	0.27	245.51	281.83	
4,919.00	6.86	249.10	4,902.37	-117.80	-120.79	-266.69	0.36	245.63	292.77	
5,014.00	7.14	247.13	4,996.66	-122.00	-125.11	-277.43	0.39	245.73	304.33	

Scientific Drilling, Intl
Regulatory Report (Grid)

Company:	Devon Energy	Local Co-ordinate Reference:	Well 214H
Project:	Eddy County, NM (NAD83 NME)	TVD Reference:	KB = 25' @ 3443.00usft (Rig KB)
Site:	Aleutian 10-3 Fed Com	MD Reference:	KB = 25' @ 3443.00usft (Rig KB)
Well:	214H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland District

Survey										
MD (usft)	Inc (°)	Azi: (grid_north_azim)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Closure Azimuth (bearing)	Closure Distance (usft)	
5,108.00	7.09	247.41	5,089.94	-126.38	-129.61	-288.17	0.06	245.78	315.97	
5,202.00	6.59	244.13	5,183.27	-130.85	-134.19	-298.38	0.67	245.79	327.16	
5,297.00	6.86	244.35	5,277.61	-135.57	-139.02	-308.40	0.29	245.73	338.28	
5,391.00	6.47	242.90	5,370.98	-140.30	-143.87	-318.17	0.45	245.67	349.19	
5,485.00	6.27	241.99	5,464.40	-145.02	-148.69	-327.42	0.24	245.58	359.60	
5,580.00	6.49	243.65	5,558.81	-149.74	-153.51	-336.81	0.30	245.50	370.14	
5,675.00	6.25	245.33	5,653.22	-154.17	-158.05	-346.32	0.32	245.47	380.68	
5,769.00	6.19	243.92	5,746.67	-158.43	-162.41	-355.52	0.17	245.45	390.86	
5,863.00	6.41	244.80	5,840.10	-162.79	-166.88	-364.82	0.26	245.42	401.18	
5,958.00	4.32	249.97	5,934.68	-166.18	-170.36	-372.98	2.26	245.45	410.05	
6,053.00	3.93	254.52	6,029.43	-168.20	-172.45	-379.48	0.54	245.56	416.83	
6,148.00	3.60	265.83	6,124.23	-169.22	-173.54	-385.59	0.85	245.77	422.85	
6,243.00	3.23	266.00	6,219.06	-169.56	-173.94	-391.24	0.39	246.03	428.16	
6,337.00	1.19	251.00	6,312.99	-170.03	-174.45	-394.80	2.24	246.16	431.63	
6,432.00	1.32	262.11	6,407.96	-170.47	-174.92	-396.82	0.29	246.21	433.66	
6,527.00	0.94	311.40	6,502.95	-170.09	-174.55	-398.49	1.06	246.34	435.04	
6,621.00	1.15	328.65	6,596.93	-168.76	-173.24	-399.56	0.40	246.56	435.50	
6,716.00	1.06	303.27	6,691.92	-167.45	-171.94	-400.79	0.52	246.78	436.11	
6,811.00	1.08	296.98	6,786.90	-166.55	-171.05	-402.32	0.13	246.97	437.17	
6,905.00	1.88	356.69	6,880.87	-164.60	-169.11	-403.20	1.73	247.25	437.23	
7,000.00	1.75	354.41	6,975.82	-161.60	-166.11	-403.43	0.16	247.62	436.29	
7,095.00	1.90	12.92	7,070.78	-158.62	-163.13	-403.22	0.64	247.97	434.97	
7,189.00	2.09	13.55	7,164.72	-155.44	-159.95	-402.47	0.20	248.33	433.09	
7,283.00	2.19	8.90	7,258.65	-152.01	-156.51	-401.79	0.21	248.72	431.20	
7,376.00	1.94	3.08	7,351.59	-148.69	-153.18	-401.43	0.35	249.11	429.66	
7,471.00	1.83	3.82	7,446.54	-145.57	-150.06	-401.24	0.12	249.49	428.39	
7,566.00	1.70	357.73	7,541.50	-142.65	-147.14	-401.20	0.24	249.86	427.33	

Scientific Drilling, Intl
Regulatory Report (Grid)

Company:	Devon Energy	Local Co-ordinate Reference:	Well 214H
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Design:	OH	Database:	Midland District

Survey										
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Closure Azimuth (bearing)	Closure Distance (usft)	
7,661.00	1.56	358.38	7,636.46	-139.95	-144.44	-401.29	0.15	250.20	426.49	
7,755.00	1.49	356.39	7,730.43	-137.45	-141.94	-401.40	0.09	250.53	425.76	
7,848.00	1.93	44.28	7,823.39	-135.13	-139.61	-400.39	1.55	250.78	424.03	
7,943.00	2.29	60.45	7,918.32	-133.08	-137.53	-397.62	0.73	250.92	420.73	
8,038.00	2.34	56.29	8,013.25	-131.10	-135.52	-394.35	0.18	251.03	416.99	
8,133.00	1.60	62.13	8,108.19	-129.44	-133.82	-391.57	0.81	251.13	413.80	
8,226.00	1.42	65.26	8,201.16	-128.37	-132.73	-389.37	0.21	251.18	411.38	
8,321.00	1.21	63.21	8,296.13	-127.45	-131.79	-387.41	0.23	251.21	409.21	
8,415.00	1.10	63.70	8,390.11	-126.62	-130.94	-385.71	0.12	251.25	407.33	
8,510.00	0.84	86.45	8,485.10	-126.19	-130.49	-384.20	0.48	251.24	405.76	
8,604.00	0.24	71.86	8,579.10	-126.10	-130.39	-383.33	0.65	251.21	404.90	
8,698.00	0.57	90.92	8,673.09	-126.05	-130.34	-382.67	0.37	251.19	404.26	
8,794.00	1.00	69.70	8,769.08	-125.78	-130.05	-381.41	0.53	251.17	402.97	
8,888.00	0.85	74.36	8,863.07	-125.33	-129.58	-379.97	0.18	251.17	401.46	
8,982.00	0.89	69.80	8,957.06	-124.90	-129.14	-378.61	0.09	251.17	400.03	
9,075.00	1.09	67.10	9,050.05	-124.33	-128.55	-377.12	0.22	251.18	398.43	
9,170.00	0.73	69.70	9,145.04	-123.78	-127.99	-375.72	0.38	251.19	396.92	
9,263.00	0.32	135.79	9,238.03	-123.77	-127.97	-374.98	0.72	251.16	396.22	
9,358.00	0.47	162.17	9,333.03	-124.33	-128.53	-374.68	0.24	251.07	396.11	
9,453.00	0.40	158.02	9,428.03	-125.01	-129.21	-374.43	0.08	250.96	396.10	
9,547.00	0.69	212.53	9,522.02	-125.79	-129.99	-374.62	0.60	250.86	396.53	
9,642.00	1.44	229.68	9,617.01	-127.04	-131.24	-375.83	0.85	250.75	398.09	
9,719.00	1.56	238.86	9,693.98	-128.18	-132.41	-377.47	0.35	250.67	400.02	
9,738.00	1.60	235.14	9,712.97	-128.47	-132.69	-377.91	0.58	250.65	400.53	
9,833.00	2.75	353.93	9,807.93	-126.94	-131.19	-379.24	3.99	250.92	401.29	
9,880.00	6.01	5.63	9,854.79	-123.37	-127.62	-379.12	7.16	251.40	400.02	
9,928.00	8.08	15.51	9,902.43	-117.63	-121.86	-377.97	4.98	252.13	397.13	

Scientific Drilling, Intl
Regulatory Report (Grid)

Company:	Devon Energy	Local Co-ordinate Reference:	Well 214H
Project:	Eddy County, NM (NAD83 NME)	TVD Reference:	KB = 25' @ 3443.00usft (Rig KB)
Site:	Aleutian 10-3 Fed Com	MD Reference:	KB = 25' @ 3443.00usft (Rig KB)
Well:	214H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland District

Survey										
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Closure Azimuth (bearing)	Closure Distance (usft)	
9,975.00	10.92	19.06	9,948.78	-110.27	-114.47	-375.63	6.17	253.05	392.68	
10,023.00	14.12	21.34	9,995.63	-100.56	-104.72	-372.01	6.74	254.28	386.47	
10,055.00	16.64	22.08	10,026.48	-92.71	-96.84	-368.87	7.90	255.29	381.37	
10,087.00	21.11	21.33	10,056.76	-83.13	-87.22	-365.05	13.99	256.56	375.32	
10,118.00	25.70	22.71	10,085.20	-71.78	-75.81	-360.42	14.91	258.12	368.31	
10,165.00	33.80	22.65	10,125.97	-50.38	-54.31	-351.44	17.23	261.22	355.61	
10,212.00	40.08	22.73	10,163.52	-24.46	-28.26	-340.55	13.36	265.26	341.72	
10,259.00	46.81	19.34	10,197.62	5.57	1.90	-329.01	15.15	270.33	329.02	
10,307.00	53.54	18.34	10,228.35	40.31	36.77	-317.13	14.11	276.61	319.25	
10,354.00	57.70	18.37	10,254.88	76.98	73.58	-304.92	8.85	283.57	313.67	
10,401.00	62.10	19.08	10,278.45	115.33	112.08	-291.86	9.45	291.01	312.64	
10,448.00	70.27	19.28	10,297.41	155.75	152.65	-277.74	17.39	298.79	316.93	
10,496.00	78.11	19.78	10,310.48	199.06	196.15	-262.31	16.36	306.79	327.54	
10,568.00	82.44	20.33	10,322.64	265.43	262.79	-237.98	6.06	317.84	354.53	
10,662.00	85.15	21.64	10,332.80	352.29	350.03	-204.52	3.20	329.70	405.40	
10,756.00	86.20	19.97	10,339.88	439.53	437.65	-171.23	2.09	338.63	469.95	
10,851.00	88.29	17.44	10,344.45	529.05	527.51	-140.80	3.45	345.06	545.98	
10,945.00	91.51	14.82	10,344.62	619.04	617.79	-114.69	4.42	349.48	628.35	
11,037.00	93.06	11.06	10,340.95	708.37	707.37	-94.11	4.42	352.42	713.60	
11,129.00	94.36	9.06	10,334.99	798.58	797.76	-78.07	2.59	354.41	801.57	
11,221.00	93.65	5.92	10,328.57	889.42	888.74	-66.11	3.49	355.75	891.19	
11,313.00	89.97	6.00	10,325.66	980.75	980.18	-56.57	4.00	356.70	981.81	
11,406.00	89.60	4.99	10,326.01	1,073.21	1,072.75	-47.66	1.16	357.46	1,073.81	
11,497.00	89.26	2.76	10,326.91	1,163.92	1,163.53	-41.51	2.48	357.96	1,164.27	
11,589.00	88.96	359.35	10,328.34	1,255.86	1,255.49	-39.82	3.72	358.18	1,256.12	
11,681.00	90.54	359.09	10,328.75	1,347.85	1,347.48	-41.07	1.74	358.25	1,348.10	
11,773.00	88.69	358.97	10,329.36	1,439.84	1,439.46	-42.63	2.02	358.30	1,440.09	

Scientific Drilling, Intl
Regulatory Report (Grid)

Company:	Devon Energy	Local Co-ordinate Reference:	Well 214H
Project:	Eddy County, NM (NAD83 NME)	TVD Reference:	KB = 25' @ 3443.00usft (Rig KB)
Site:	Aleutian 10-3 Fed Com	MD Reference:	KB = 25' @ 3443.00usft (Rig KB)
Well:	214H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland District

Survey										
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Closure Azimuth (bearing)	Closure Distance (usft)	
11,863.00	90.40	359.68	10,330.08	1,529.84	1,529.45	-43.69	2.06	358.36	1,530.07	
11,953.00	89.70	359.41	10,330.00	1,619.84	1,619.44	-44.40	0.83	358.43	1,620.05	
12,045.00	88.16	359.69	10,331.72	1,711.82	1,711.42	-45.12	1.70	358.49	1,712.01	
12,138.00	89.26	0.67	10,333.81	1,804.78	1,804.39	-44.83	1.58	358.58	1,804.95	
12,229.00	89.83	359.81	10,334.53	1,895.77	1,895.39	-44.45	1.13	358.66	1,895.91	
12,319.00	87.98	357.78	10,336.25	1,985.74	1,985.34	-46.34	3.05	358.66	1,985.88	
12,414.00	88.86	357.31	10,338.87	2,080.65	2,080.22	-50.41	1.05	358.61	2,080.83	
12,509.00	91.54	358.47	10,338.54	2,175.61	2,175.14	-53.91	3.07	358.58	2,175.81	
12,602.00	90.07	359.32	10,337.24	2,268.59	2,268.11	-55.70	1.83	358.59	2,268.80	
12,697.00	89.00	358.31	10,338.01	2,363.58	2,363.09	-57.67	1.55	358.60	2,363.79	
12,792.00	88.69	357.76	10,339.92	2,458.54	2,458.01	-60.92	0.66	358.58	2,458.77	
12,887.00	87.66	358.63	10,342.95	2,553.47	2,552.91	-63.91	1.42	358.57	2,553.71	
12,981.00	89.60	359.71	10,345.19	2,647.44	2,646.87	-65.27	2.36	358.59	2,647.68	
13,075.00	89.23	0.59	10,346.15	2,741.42	2,740.87	-65.03	1.02	358.64	2,741.64	
13,171.00	90.23	0.60	10,346.61	2,837.40	2,836.86	-64.03	1.04	358.71	2,837.58	
13,265.00	89.63	0.72	10,346.72	2,931.37	2,930.85	-62.95	0.65	358.77	2,931.53	
13,359.00	87.72	359.39	10,348.89	3,025.33	3,024.82	-62.86	2.48	358.81	3,025.47	
13,453.00	90.00	359.89	10,350.77	3,119.31	3,118.79	-63.45	2.48	358.83	3,119.44	
13,547.00	89.73	358.96	10,350.99	3,213.31	3,212.79	-64.39	1.03	358.85	3,213.43	
13,641.00	88.16	358.27	10,352.72	3,307.28	3,306.74	-66.66	1.82	358.85	3,307.41	
13,736.00	89.80	358.83	10,354.41	3,402.25	3,401.69	-69.07	1.82	358.84	3,402.39	
13,831.00	89.09	359.79	10,355.33	3,497.24	3,496.68	-70.21	1.26	358.85	3,497.38	
13,926.00	89.63	359.72	10,356.39	3,592.24	3,591.67	-70.62	0.57	358.87	3,592.37	
14,021.00	90.54	1.56	10,356.25	3,687.21	3,686.66	-69.55	2.16	358.92	3,687.32	
14,115.00	90.23	359.78	10,355.62	3,781.18	3,780.65	-68.46	1.92	358.96	3,781.27	
14,210.00	90.17	358.80	10,355.29	3,876.17	3,875.64	-69.63	1.03	358.97	3,876.26	
14,304.00	90.70	359.28	10,354.57	3,970.17	3,969.62	-71.21	0.76	358.97	3,970.26	

Scientific Drilling, Intl
Regulatory Report (Grid)

Company:	Devon Energy	Local Co-ordinate Reference:	Well 214H
Project:	Eddy County, NM (NAD83 NME)	TVD Reference:	KB = 25' @ 3443.00usft (Rig KB)
Site:	Aleutian 10-3 Fed Com	MD Reference:	KB = 25' @ 3443.00usft (Rig KB)
Well:	214H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland District

Survey										
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Closure Azimuth (bearing)	Closure Distance (usft)	
14,399.00	90.80	359.04	10,353.33	4,065.16	4,064.60	-72.60	0.27	358.98	4,065.25	
14,494.00	91.44	359.38	10,351.47	4,160.14	4,159.58	-73.91	0.76	358.98	4,160.23	
14,589.00	91.24	358.61	10,349.25	4,255.11	4,254.53	-75.58	0.84	358.98	4,255.21	
14,683.00	89.43	358.86	10,348.70	4,349.10	4,348.51	-77.65	1.94	358.98	4,349.20	
14,777.00	89.46	358.10	10,349.61	4,443.09	4,442.47	-80.14	0.81	358.97	4,443.19	
14,872.00	89.76	358.51	10,350.26	4,538.07	4,537.42	-82.95	0.53	358.95	4,538.18	
14,966.00	89.43	357.76	10,350.92	4,632.04	4,631.37	-86.01	0.87	358.94	4,632.17	
15,061.00	90.60	357.94	10,350.90	4,727.01	4,726.30	-89.58	1.25	358.91	4,727.15	
15,156.00	91.11	358.80	10,349.48	4,821.98	4,821.25	-92.28	1.05	358.90	4,822.13	
15,250.00	91.04	358.48	10,347.72	4,915.96	4,915.21	-94.51	0.35	358.90	4,916.12	
15,344.00	91.14	357.76	10,345.93	5,009.92	5,009.14	-97.59	0.77	358.88	5,010.09	
15,439.00	90.37	358.24	10,344.68	5,104.88	5,104.07	-100.91	0.96	358.87	5,105.07	
15,532.00	90.50	358.23	10,343.97	5,197.86	5,197.03	-103.77	0.14	358.86	5,198.06	
15,626.00	90.34	358.32	10,343.28	5,291.84	5,290.98	-106.60	0.20	358.85	5,292.06	
15,722.00	89.97	359.80	10,343.02	5,387.84	5,386.97	-108.18	1.59	358.85	5,388.05	
15,816.00	90.20	1.07	10,342.88	5,481.82	5,480.96	-107.46	1.37	358.88	5,482.01	
15,910.00	87.96	1.06	10,344.39	5,575.76	5,574.93	-105.72	2.38	358.91	5,575.93	
16,005.00	88.45	1.53	10,347.37	5,670.66	5,669.85	-103.57	0.71	358.95	5,670.80	
16,100.00	88.86	1.84	10,349.60	5,765.55	5,764.79	-100.78	0.54	359.00	5,765.67	
16,195.00	89.76	2.16	10,350.74	5,860.44	5,859.72	-97.46	1.01	359.05	5,860.53	
16,289.00	90.30	2.95	10,350.69	5,954.30	5,953.63	-93.27	1.02	359.10	5,954.36	
16,384.00	89.87	0.36	10,350.55	6,049.21	6,048.58	-90.53	2.76	359.14	6,049.26	
16,479.00	90.13	0.12	10,350.55	6,144.20	6,143.58	-90.13	0.37	359.16	6,144.24	
16,573.00	90.57	0.71	10,349.98	6,238.18	6,237.57	-89.45	0.78	359.18	6,238.21	
16,668.00	90.50	359.76	10,349.09	6,333.17	6,332.57	-89.06	1.00	359.19	6,333.19	
16,762.00	90.33	359.12	10,348.41	6,427.16	6,426.56	-89.98	0.70	359.20	6,427.19	
16,856.00	90.74	358.94	10,347.53	6,521.16	6,520.54	-91.57	0.48	359.20	6,521.18	

Scientific Drilling, Intl
Regulatory Report (Grid)

Company:	Devon Energy	Local Co-ordinate Reference:	Well 214H
Project:	Eddy County, NM (NAD83 NME)	TVD Reference:	KB = 25' @ 3443.00usft (Rig KB)
Site:	Aleutian 10-3 Fed Com	MD Reference:	KB = 25' @ 3443.00usft (Rig KB)
Well:	214H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland District

Survey										
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Closure Azimuth (bearing)	Closure Distance (usft)	
16,950.00	90.94	358.22	10,346.15	6,615.14	6,614.50	-93.90	0.79	359.19	6,615.17	
17,045.00	91.64	359.28	10,344.01	6,710.11	6,709.45	-95.97	1.34	359.18	6,710.14	
17,139.00	89.66	358.11	10,342.95	6,804.09	6,803.42	-98.11	2.45	359.17	6,804.12	
17,233.00	89.56	357.96	10,343.59	6,898.06	6,897.36	-101.34	0.19	359.16	6,898.10	
17,328.00	90.00	358.23	10,343.95	6,993.04	6,992.31	-104.49	0.54	359.14	6,993.09	
17,335.13	90.04	358.21	10,343.95	7,000.17	6,999.44	-104.71	0.56	359.14	7,000.22	
T1[Alt214H]										
17,423.00	90.47	357.99	10,343.56	7,088.01	7,087.25	-107.63	0.56	359.13	7,088.07	
17,516.00	89.10	358.27	10,343.91	7,180.99	7,180.20	-110.66	1.50	359.12	7,181.05	
17,612.00	89.30	357.85	10,345.25	7,276.95	7,276.14	-113.91	0.48	359.10	7,277.03	
17,706.00	89.43	357.70	10,346.29	7,370.91	7,370.06	-117.56	0.21	359.09	7,371.00	
17,799.00	89.73	357.66	10,346.97	7,463.87	7,462.98	-121.32	0.33	359.07	7,463.97	
17,894.00	90.77	358.21	10,346.56	7,558.84	7,557.92	-124.75	1.24	359.05	7,558.95	
17,989.00	91.41	358.36	10,344.75	7,653.80	7,652.86	-127.59	0.69	359.04	7,653.92	
18,083.00	90.74	358.55	10,342.99	7,747.77	7,746.80	-130.12	0.74	359.04	7,747.90	
18,178.00	91.04	358.44	10,341.51	7,842.75	7,841.76	-132.62	0.34	359.03	7,842.88	
18,272.00	90.70	359.74	10,340.09	7,936.74	7,935.73	-134.11	1.43	359.03	7,936.87	
18,367.00	90.34	0.75	10,339.22	8,031.72	8,030.73	-133.71	1.13	359.05	8,031.84	
18,461.00	91.61	1.94	10,337.62	8,125.65	8,124.69	-131.50	1.85	359.07	8,125.75	
18,555.00	90.37	1.66	10,336.00	8,219.55	8,218.62	-128.55	1.35	359.10	8,219.63	
18,650.00	89.93	1.28	10,335.75	8,314.48	8,313.59	-126.11	0.61	359.13	8,314.55	
18,745.00	90.37	1.11	10,335.50	8,409.43	8,408.57	-124.13	0.50	359.15	8,409.49	
18,839.00	90.60	1.18	10,334.71	8,503.38	8,502.55	-122.25	0.26	359.18	8,503.43	
18,934.00	91.07	0.80	10,333.32	8,598.33	8,597.52	-120.61	0.64	359.20	8,598.37	
19,028.00	90.30	1.26	10,332.20	8,692.29	8,691.50	-118.92	0.95	359.22	8,692.31	
19,123.00	90.94	1.58	10,331.17	8,787.22	8,786.46	-116.57	0.75	359.24	8,787.24	
19,217.00	88.32	1.78	10,331.78	8,881.13	8,880.41	-113.81	2.80	359.27	8,881.14	

Scientific Drilling, Intl
Regulatory Report (Grid)

Company:	Devon Energy	Local Co-ordinate Reference:	Well 214H
Project:	Eddy County, NM (NAD83 NME)	TVD Reference:	KB = 25' @ 3443.00usft (Rig KB)
Site:	Aleutian 10-3 Fed Com	MD Reference:	KB = 25' @ 3443.00usft (Rig KB)
Well:	214H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland District

Survey										
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Closure Azimuth (bearing)	Closure Distance (usft)	
19,312.00	89.13	1.86	10,333.89	8,976.02	8,975.34	-110.79	0.86	359.29	8,976.03	
19,406.00	89.73	1.01	10,334.83	9,069.95	9,069.31	-108.44	1.11	359.31	9,069.95	
19,499.00	89.23	0.19	10,335.67	9,162.93	9,162.30	-107.47	1.03	359.33	9,162.93	
19,593.00	89.90	359.97	10,336.39	9,256.91	9,256.29	-107.33	0.75	359.34	9,256.92	
19,687.00	90.67	359.79	10,335.92	9,350.91	9,350.29	-107.53	0.84	359.34	9,350.91	
19,782.00	90.50	358.56	10,334.95	9,445.90	9,445.27	-108.90	1.31	359.34	9,445.90	
19,873.00	90.71	357.39	10,333.99	9,536.87	9,536.21	-112.11	1.31	359.33	9,536.87	
19,969.00	91.11	357.74	10,332.46	9,632.81	9,632.11	-116.19	0.55	359.31	9,632.81	
20,064.00	91.07	357.75	10,330.65	9,727.75	9,727.02	-119.93	0.04	359.29	9,727.76	
20,158.00	91.55	357.79	10,328.51	9,821.69	9,820.93	-123.59	0.51	359.28	9,821.70	
20,252.00	90.44	358.48	10,326.87	9,915.66	9,914.86	-126.65	1.39	359.27	9,915.67	
20,269.19	90.54	358.61	10,326.73	9,932.84	9,932.04	-127.08	0.98	359.27	9,932.86	
BHL[AI1214H]										
20,347.00	91.01	359.22	10,325.67	10,010.64	10,009.83	-128.55	0.98	359.26	10,010.66	
FINAL MWD Surveys (20347.00'MD)										
20,452.00	91.01	359.22	10,323.82	10,115.63	10,114.81	-129.98	0.00	359.26	10,115.64	
FINAL Proj. to Bit (20452.00' MD) - BHL.FINAL[AI1214H]										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
20,347.00	10,325.67	10,009.83	-128.55	FINAL MWD Surveys (20347.00'MD)
20,452.00	10,323.82	10,114.81	-129.98	FINAL Proj. to Bit (20452.00' MD)

Checked By: _____	Approved By: _____	Date: _____
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