

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

State of New Mexico
Energy, Minerals & Natural Resources

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

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Devon Energy Production Company, L.P. 333 West Sheridan, Oklahoma City, OK 73102		² OGRID Number 6137
		³ Reason for Filing Code/ Effective Date NW / 3/25/21
⁴ API Number 30-015-46507	⁵ Pool Name PURPLE SAGE; WOLFCAMP (GAS)	⁶ Pool Code 98220
⁷ Property Code 326742	⁸ Property Name THOROUGHbred 10-3 FED COM	⁹ Well Number 732H

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
N	10	26S	31E		220	South	1530	West	EDDY

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
C	3	26S	31E		334	North	2362	West	EDDY
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 3/25/21	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
020445	Plains Marketing P.O. Box 4648 Houston, TX 77210	Oil
329657	Cotton Draw Midstream 333 W Sheridan Ave Oklahoma City, OK 73102	Gas

IV. Well Completion Data

²¹ Spud Date 5/3/20	²² Ready Date 3/25/21	²³ TD 21969	²⁴ PBDT 21903	²⁵ Perforations 11957 - 21857	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5	13.375	1461	324		
9.875	8.625	11645	860		
7.875	5.5	21955	1401		
	Tubing:	0			

V. Well Test Data

³¹ Date New Oil 4/20/21	³² Gas Delivery Date 4/20/21	³³ Test Date 4/20/21	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 12 psi	³⁶ Csg. Pressure 3387 psi
³⁷ Choke Size	³⁸ Oil 939 bbl	³⁹ Water 3797 bbl	⁴⁰ Gas 5497 mcf		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: 			OIL CONSERVATION DIVISION		
Printed name: Chelsey Green			Approved by: KURT SIMMONS		
Title: Regulatory Specialist			Title: NMOCd, SANTA FE		
E-mail Address: chelsey.green@dvn.com			Approval Date: 08/05/2021		
Date: 6/7/2021		Phone: 405-228-8595			

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

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 30-015-46507	² Pool Code 98220	³ Pool Name PURPLE SAGE ; WOLFCAMP (GAS)
⁴ Property Code 326742	⁵ Property Name THOROUGHbred 10-3 FED	⁶ Well Number 732H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3243.7

¹⁰ Surface Location

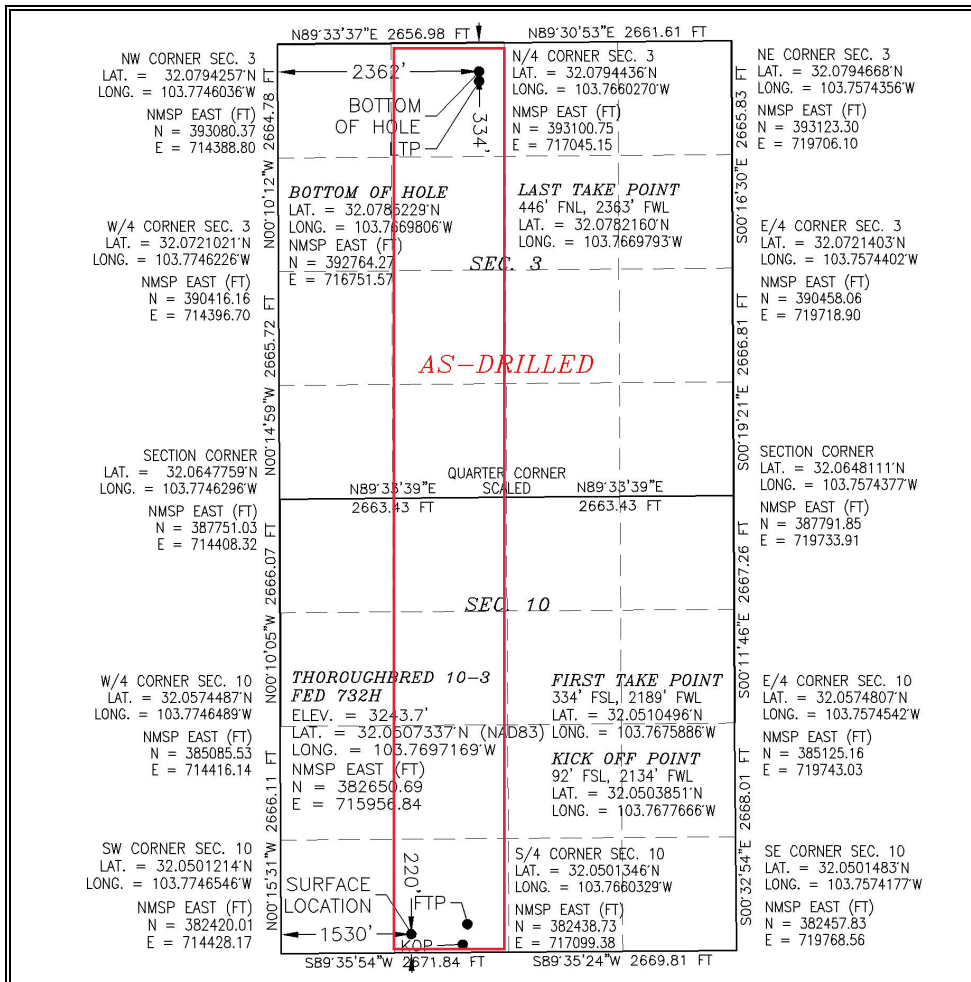
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	10	26 S	31 E		220	SOUTH	1530	WEST	EDDY

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
C	3	26 S	31 E		334	NORTH	2362	WEST	EDDY

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.

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.

Chelsey Green 06/03/21
Signature Date

CHELSEY GREEN
Printed Name

CHELSEY.GREEN@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.

JUNE 2, 2021

Date of Survey

Imon E. Jaramillo
Signature and Seal of Professional Surveyor
Certificate Number: 12797
Survey No. 7230C

Intent ☐ As Drilled ☒

API # 30-015-46507		
Operator Name: DEVON ENERGY PRODUCTION COMPANY, L.P.	Property Name: THOROUGHbred 10-3 FED	Well Number 732H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
N	10	26S	31E		92	SOUTH	2134	WEST	EDDY
Latitude 32.0503851					Longitude 103.7677666				NAD 83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
N	10	26S	31E		334	SOUTH	2189	WEST	EDDY
Latitude 32.0510496					Longitude 103.7675886				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
C	3	26S	31E		446	NORTH	2363	WEST	EDDY
Latitude 32.0782160					Longitude 103.7669793				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? ☐ NOIs 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 # 30-015-46506		
Operator Name: DEVON ENERGY PRODUCTION COMPANY, L.P.	Property Name: THOROUGHbred 10-3 FED	Well Number 712H

KZ 06/29/2018

Devon

SURVEY REPORT

Thoroughbred 10-3 Fed Com 732H

Patterson 575

I, Deanna Jacobs, certify the surveys supplied on
Thoroughbred 10-3 Fed Com 732H are correct and accurate to the best of my
knowledge and are supported by actual field data.

Deanna Jacobs

Date: 8/3/2020



The **Ultimate Partner** In Wellbore Placement



Devon Energy

Eddy County, NM (NAD83 NME)
Thoroughbred Pad
Thoroughbred 10-3 Fed com 732H

OH Wellbore

Design: As Drilled

Standard Survey Report

03 August, 2020



www.scientificdrilling.com





Scientific Drilling, Intl

Survey Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Thoroughbred 10-3 Fed com 732H
Project:	Eddy County, NM (NAD83 NME)	TVD Reference:	Patt 575 3244 GL 25 KB @ 3269.00usft
Site:	Thoroughbred Pad	MD Reference:	Patt 575 3244 GL 25 KB @ 3269.00usft
Well:	Thoroughbred 10-3 Fed com 732H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

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		Thoroughbred Pad, SH of Thoroughbred 711H			
Site Position:		Northing:		382,642.42 usft	
From:		Easting:		714,777.09 usft	
Position Uncertainty:		Slot Radius:		Grid Convergence:	
Map		13-3/16 "		0.30 °	
0.00 usft					

Well	Thoroughbred 10-3 Fed com 732H, Wolfcamp 130					
Well Position	+N/-S	0.00 usft	Northing:	382,650.69 usft	Latitude:	32.050734
	+E/-W	0.00 usft	Easting:	715,956.84 usft	Longitude:	-103.769717
Position Uncertainty		0.00 usft	Wellhead Elevation:	3,269.00 usft	Ground Level:	3,244.00 usft

Wellbore	OH Wellbore				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM_FILE	4/24/2020	6.57	59.63	47,650.30000000

Design	As Drilled				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	4.20	

Survey Program	Date	8/3/2020			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
176.00	1,391.00	Survey #1 Surface (OH Wellbore)	MWD+HDGM	OWSG MWD + HDGM	
1,512.00	21,969.00	Survey #2 (OH Wellbore)	MWD+HDGM	OWSG MWD + HDGM	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
176.00	1.00	20.09	175.99	1.44	0.53	1.48	0.57	0.57	0.00	
267.00	0.99	14.05	266.98	2.95	0.99	3.02	0.12	-0.01	-6.64	
360.00	0.39	70.32	359.97	3.84	1.48	3.94	0.90	-0.65	60.51	
450.00	0.17	43.59	449.97	4.04	1.86	4.16	0.28	-0.24	-29.70	
541.00	0.20	92.80	540.97	4.13	2.12	4.27	0.17	0.03	54.08	
632.00	0.51	17.37	631.97	4.51	2.40	4.67	0.55	0.34	-82.89	
724.00	0.48	33.93	723.96	5.22	2.73	5.40	0.16	-0.03	18.00	
816.00	0.34	45.11	815.96	5.73	3.14	5.94	0.17	-0.15	12.15	
908.00	0.24	5.91	907.96	6.11	3.36	6.34	0.23	-0.11	-42.61	



Scientific Drilling, Intl

Survey Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Thoroughbred 10-3 Fed com 732H
Project:	Eddy County, NM (NAD83 NME)	TVD Reference:	Patt 575 3244 GL 25 KB @ 3269.00usft
Site:	Thoroughbred Pad	MD Reference:	Patt 575 3244 GL 25 KB @ 3269.00usft
Well:	Thoroughbred 10-3 Fed com 732H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

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)
999.00	0.41	278.03	998.96	6.35	3.05	6.55	0.51	0.19	-96.57
1,090.00	0.75	322.43	1,089.96	6.87	2.37	7.02	0.59	0.37	48.79
1,181.00	0.86	291.58	1,180.95	7.59	1.37	7.67	0.48	0.12	-33.90
1,273.00	1.12	296.81	1,272.93	8.25	-0.08	8.22	0.30	0.28	5.68
1,366.00	0.90	307.47	1,365.92	9.10	-1.47	8.97	0.31	-0.24	11.46
1,391.00	1.07	321.26	1,390.92	9.40	-1.77	9.25	1.16	0.68	55.16
1,512.00	1.26	312.82	1,511.89	11.19	-3.45	10.91	0.21	0.16	-6.98
1,606.00	1.38	317.39	1,605.87	12.72	-4.98	12.33	0.17	0.13	4.86
1,700.00	1.12	305.77	1,699.84	14.09	-6.49	13.58	0.38	-0.28	-12.36
1,795.00	1.03	313.75	1,794.83	15.23	-7.86	14.61	0.18	-0.09	8.40
1,890.00	1.12	107.06	1,889.82	15.55	-7.59	14.95	2.20	0.09	161.38
1,984.00	2.92	118.49	1,983.76	14.13	-4.60	13.76	1.95	1.91	12.16
2,079.00	4.49	105.97	2,078.56	11.96	1.10	12.01	1.85	1.65	-13.18
2,174.00	6.45	92.13	2,173.13	10.74	10.01	11.44	2.47	2.06	-14.57
2,268.00	7.58	92.99	2,266.42	10.22	21.47	11.76	1.21	1.20	0.91
2,363.00	9.34	91.45	2,360.38	9.69	35.44	12.26	1.87	1.85	-1.62
2,458.00	8.75	91.67	2,454.20	9.29	50.37	12.95	0.62	-0.62	0.23
2,553.00	9.44	92.74	2,548.01	8.71	65.37	13.47	0.75	0.73	1.13
2,647.00	9.90	92.57	2,640.67	7.97	81.15	13.89	0.49	0.49	-0.18
2,742.00	9.70	93.11	2,734.28	7.17	97.30	14.27	0.23	-0.21	0.57
2,836.00	9.43	93.16	2,826.98	6.32	112.89	14.56	0.29	-0.29	0.05
2,931.00	8.88	95.10	2,920.77	5.24	127.97	14.59	0.66	-0.58	2.04
3,025.00	8.76	94.12	3,013.66	4.08	142.33	14.48	0.20	-0.13	-1.04
3,120.00	9.83	94.10	3,107.41	2.98	157.64	14.51	1.13	1.13	-0.02
3,214.00	9.42	93.53	3,200.08	1.93	173.32	14.61	0.45	-0.44	-0.61
3,309.00	8.58	93.95	3,293.91	0.97	188.15	14.73	0.89	-0.88	0.44
3,403.00	8.64	93.76	3,386.85	0.02	202.19	14.82	0.07	0.06	-0.20
3,498.00	9.52	98.44	3,480.66	-1.60	217.08	14.29	1.21	0.93	4.93
3,592.00	9.74	98.89	3,573.34	-3.97	232.63	13.06	0.25	0.23	0.48
3,687.00	10.78	99.32	3,666.82	-6.65	249.33	11.61	1.10	1.09	0.45
3,781.00	9.88	100.87	3,759.29	-9.60	265.93	9.89	1.00	-0.96	1.65
3,876.00	9.56	102.82	3,852.93	-12.88	281.62	7.76	0.48	-0.34	2.05
3,970.00	8.80	101.78	3,945.73	-16.08	296.27	5.64	0.83	-0.81	-1.11
4,065.00	10.43	101.47	4,039.39	-19.28	311.82	3.59	1.72	1.72	-0.33
4,160.00	10.42	100.38	4,132.82	-22.54	328.69	1.58	0.21	-0.01	-1.15
4,254.00	10.16	99.96	4,225.31	-25.50	345.22	-0.17	0.29	-0.28	-0.45
4,349.00	9.75	100.40	4,318.88	-28.40	361.39	-1.88	0.44	-0.43	0.46
4,444.00	10.02	98.27	4,412.47	-31.04	377.48	-3.34	0.48	0.28	-2.24
4,538.00	11.45	98.02	4,504.82	-33.52	394.81	-4.54	1.52	1.52	-0.27
4,633.00	11.70	97.70	4,597.89	-36.13	413.69	-5.76	0.27	0.26	-0.34
4,727.00	11.23	96.98	4,690.01	-38.52	432.22	-6.78	0.52	-0.50	-0.77
4,822.00	10.76	96.49	4,783.27	-40.64	450.22	-7.59	0.50	-0.49	-0.52
4,917.00	10.87	100.41	4,876.58	-43.26	467.84	-8.91	0.78	0.12	4.13



Scientific Drilling, Intl

Survey Report

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Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

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)
5,011.00	10.74	101.47	4,968.92	-46.61	485.14	-10.98	0.25	-0.14	1.13
5,106.00	9.86	99.58	5,062.38	-49.72	501.83	-12.86	0.99	-0.93	-1.99
5,201.00	9.53	97.21	5,156.03	-52.06	517.66	-14.04	0.55	-0.35	-2.49
5,296.00	8.88	97.91	5,249.80	-54.06	532.72	-14.93	0.69	-0.68	0.74
5,391.00	8.97	97.12	5,343.65	-55.99	547.33	-15.78	0.16	0.09	-0.83
5,486.00	8.61	94.79	5,437.54	-57.50	561.77	-16.23	0.53	-0.38	-2.45
5,580.00	8.48	96.19	5,530.49	-58.83	575.67	-16.55	0.26	-0.14	1.49
5,675.00	7.67	99.16	5,624.55	-60.60	588.89	-17.34	0.96	-0.85	3.13
5,769.00	7.27	100.58	5,717.75	-62.69	600.93	-18.54	0.47	-0.43	1.51
5,864.00	7.03	99.64	5,812.02	-64.76	612.57	-19.76	0.28	-0.25	-0.99
5,958.00	5.42	97.71	5,905.46	-66.32	622.64	-20.58	1.73	-1.71	-2.05
6,053.00	4.82	100.05	6,000.08	-67.62	631.02	-21.26	0.67	-0.63	2.46
6,147.00	4.03	100.68	6,093.80	-68.92	638.15	-22.04	0.84	-0.84	0.67
6,240.00	3.07	98.48	6,186.62	-69.90	643.83	-22.59	1.04	-1.03	-2.37
6,335.00	3.14	100.12	6,281.48	-70.73	648.91	-23.05	0.12	0.07	1.73
6,429.00	1.71	99.57	6,375.39	-71.41	652.82	-23.45	1.52	-1.52	-0.59
6,523.00	1.22	100.22	6,469.36	-71.82	655.19	-23.68	0.52	-0.52	0.69
6,617.00	1.28	100.16	6,563.34	-72.19	657.21	-23.90	0.06	0.06	-0.06
6,712.00	0.89	143.89	6,658.32	-72.97	658.69	-24.57	0.93	-0.41	46.03
6,806.00	1.23	161.96	6,752.31	-74.52	659.43	-26.06	0.50	0.36	19.22
6,901.00	1.10	168.55	6,847.29	-76.38	659.93	-27.88	0.20	-0.14	6.94
6,995.00	1.23	168.95	6,941.27	-78.26	660.30	-29.73	0.14	0.14	0.43
7,089.00	1.19	171.50	7,035.25	-80.21	660.64	-31.65	0.07	-0.04	2.71
7,184.00	1.33	168.11	7,130.22	-82.27	661.01	-33.67	0.17	0.15	-3.57
7,279.00	0.98	220.04	7,225.21	-83.97	660.72	-35.39	1.11	-0.37	54.66
7,373.00	1.34	235.29	7,319.19	-85.21	659.30	-36.73	0.50	0.38	16.22
7,468.00	1.32	235.37	7,414.16	-86.46	657.48	-38.12	0.02	-0.02	0.08
7,562.00	1.28	233.49	7,508.14	-87.70	655.75	-39.48	0.06	-0.04	-2.00
7,657.00	1.28	231.86	7,603.11	-88.99	654.06	-40.89	0.04	0.00	-1.72
7,752.00	1.37	227.83	7,698.09	-90.41	652.38	-42.42	0.14	0.09	-4.24
7,846.00	1.46	223.79	7,792.06	-92.03	650.72	-44.16	0.14	0.10	-4.30
7,941.00	1.42	216.84	7,887.03	-93.84	649.18	-46.08	0.19	-0.04	-7.32
8,035.00	1.27	214.63	7,981.00	-95.63	647.89	-47.96	0.17	-0.16	-2.35
8,130.00	1.27	209.17	8,075.98	-97.42	646.78	-49.82	0.13	0.00	-5.75
8,224.00	1.40	206.40	8,169.96	-99.36	645.76	-51.83	0.15	0.14	-2.95
8,319.00	1.28	197.11	8,264.93	-101.41	644.93	-53.94	0.26	-0.13	-9.78
8,413.00	1.14	184.79	8,358.91	-103.34	644.54	-55.90	0.31	-0.15	-13.11
8,508.00	1.04	182.54	8,453.89	-105.15	644.43	-57.70	0.11	-0.11	-2.37
8,602.00	1.19	188.57	8,547.87	-106.96	644.24	-59.53	0.20	0.16	6.41
8,697.00	1.29	184.79	8,642.85	-109.01	644.01	-61.58	0.14	0.11	-3.98
8,792.00	1.31	185.93	8,737.83	-111.15	643.81	-63.74	0.03	0.02	1.20
8,887.00	1.32	187.81	8,832.80	-113.32	643.55	-65.92	0.05	0.01	1.98
8,981.00	1.74	190.68	8,926.77	-115.79	643.13	-68.41	0.45	0.45	3.05



Scientific Drilling, Intl

Survey Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Thoroughbred 10-3 Fed com 732H
Project:	Eddy County, NM (NAD83 NME)	TVD Reference:	Patt 575 3244 GL 25 KB @ 3269.00usft
Site:	Thoroughbred Pad	MD Reference:	Patt 575 3244 GL 25 KB @ 3269.00usft
Well:	Thoroughbred 10-3 Fed com 732H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

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)
9,076.00	1.75	184.63	9,021.72	-118.65	642.75	-71.30	0.19	0.01	-6.37
9,170.00	1.85	185.99	9,115.68	-121.59	642.47	-74.25	0.12	0.11	1.45
9,264.00	1.91	186.17	9,209.63	-124.66	642.15	-77.33	0.06	0.06	0.19
9,358.00	0.97	270.81	9,303.60	-126.21	641.18	-78.94	2.19	-1.00	90.04
9,452.00	1.11	292.05	9,397.59	-125.85	639.54	-78.71	0.43	0.15	22.60
9,547.00	0.83	266.17	9,492.58	-125.55	638.01	-78.53	0.54	-0.29	-27.24
9,642.00	0.82	256.68	9,587.57	-125.76	636.66	-78.83	0.14	-0.01	-9.99
9,736.00	0.61	275.55	9,681.56	-125.86	635.50	-79.02	0.33	-0.22	20.07
9,831.00	0.64	297.65	9,776.55	-125.57	634.53	-78.79	0.25	0.03	23.26
9,925.00	0.77	296.28	9,870.55	-125.04	633.50	-78.35	0.14	0.14	-1.46
10,021.00	0.89	291.66	9,966.54	-124.48	632.23	-77.88	0.14	0.13	-4.81
10,115.00	0.77	302.37	10,060.53	-123.88	631.02	-77.37	0.21	-0.13	11.39
10,209.00	1.01	304.21	10,154.52	-123.07	629.80	-76.65	0.26	0.26	1.96
10,303.00	0.86	311.94	10,248.50	-122.14	628.59	-75.81	0.21	-0.16	8.22
10,398.00	0.84	271.57	10,343.49	-121.64	627.36	-75.40	0.62	-0.02	-42.49
10,493.00	1.02	261.27	10,438.48	-121.75	625.83	-75.62	0.26	0.19	-10.84
10,587.00	1.29	257.90	10,532.46	-122.10	623.97	-76.11	0.30	0.29	-3.59
10,681.00	1.30	264.71	10,626.44	-122.42	621.87	-76.58	0.16	0.01	7.24
10,776.00	1.61	270.08	10,721.41	-122.52	619.46	-76.85	0.36	0.33	5.65
10,870.00	1.83	266.52	10,815.36	-122.60	616.65	-77.15	0.26	0.23	-3.79
10,965.00	1.62	264.30	10,910.32	-122.83	613.80	-77.58	0.23	-0.22	-2.34
11,060.00	1.67	265.03	11,005.28	-123.08	611.08	-78.03	0.06	0.05	0.77
11,155.00	1.79	264.22	11,100.24	-123.35	608.22	-78.51	0.13	0.13	-0.85
11,249.00	1.60	264.36	11,194.20	-123.63	605.46	-78.99	0.20	-0.20	0.15
11,314.00	1.44	258.21	11,259.18	-123.89	603.76	-79.37	0.35	-0.25	-9.46
11,436.00	4.03	349.49	11,381.06	-119.98	601.47	-75.64	3.53	2.12	74.82
11,531.00	11.78	5.47	11,475.10	-107.03	601.79	-62.70	8.40	8.16	16.82
11,603.00	16.42	8.82	11,544.91	-89.64	604.05	-45.20	6.54	6.44	4.65
11,728.00	30.62	14.11	11,659.24	-41.06	614.57	4.03	11.47	11.36	4.23
11,820.00	40.73	18.99	11,733.90	10.19	630.10	56.27	11.41	10.99	5.30
11,912.00	60.75	13.36	11,791.85	78.35	649.34	125.66	22.26	21.76	-6.12
11,952.49	70.87	13.51	11,808.42	114.22	657.92	162.06	25.00	25.00	0.38
Cross HL: 11952.49 MD 11808.42 TVD									
11,957.00	72.00	13.53	11,809.85	118.38	658.92	166.28	25.00	25.00	0.35
12,033.00	84.12	11.01	11,825.55	190.90	674.65	239.76	16.27	15.95	-3.32
12,127.00	89.13	7.38	11,831.09	283.49	689.63	333.20	6.58	5.33	-3.86
12,222.00	89.56	8.05	11,832.17	377.62	702.38	428.01	0.84	0.45	0.71
12,317.00	89.36	9.34	11,833.07	471.53	716.74	522.71	1.37	-0.21	1.36
12,411.00	88.56	7.61	11,834.77	564.48	730.60	616.43	2.03	-0.85	-1.84
12,506.00	88.18	7.34	11,837.47	658.63	742.95	711.24	0.49	-0.40	-0.28
12,600.00	88.99	6.45	11,839.80	751.92	754.23	805.10	1.28	0.86	-0.95
12,695.00	90.77	4.44	11,840.00	846.49	763.24	900.07	2.83	1.87	-2.12
12,789.00	90.61	4.89	11,838.86	940.17	770.89	994.06	0.51	-0.17	0.48
12,884.00	89.29	3.61	11,838.95	1,034.90	777.93	1,089.06	1.94	-1.39	-1.35



Scientific Drilling, Intl

Survey Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Thoroughbred 10-3 Fed com 732H
Project:	Eddy County, NM (NAD83 NME)	TVD Reference:	Patt 575 3244 GL 25 KB @ 3269.00usft
Site:	Thoroughbred Pad	MD Reference:	Patt 575 3244 GL 25 KB @ 3269.00usft
Well:	Thoroughbred 10-3 Fed com 732H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

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)
12,979.00	88.82	2.80	11,840.51	1,129.74	783.24	1,184.03	0.99	-0.49	-0.85
13,074.00	88.73	0.20	11,842.54	1,224.68	785.72	1,278.89	2.74	-0.09	-2.74
13,169.00	88.05	0.56	11,845.21	1,319.64	786.35	1,373.65	0.81	-0.72	0.38
13,263.00	90.30	358.40	11,846.57	1,413.61	785.50	1,467.31	3.32	2.39	-2.30
13,358.00	90.50	358.45	11,845.90	1,508.57	782.89	1,561.82	0.22	0.21	0.05
13,453.00	90.10	358.36	11,845.41	1,603.54	780.25	1,656.34	0.43	-0.42	-0.09
13,547.00	89.87	358.10	11,845.43	1,697.49	777.34	1,749.83	0.37	-0.24	-0.28
13,641.00	89.33	359.45	11,846.09	1,791.46	775.33	1,843.40	1.55	-0.57	1.44
13,736.00	89.09	359.93	11,847.40	1,886.45	774.82	1,938.10	0.56	-0.25	0.51
13,830.00	89.50	0.70	11,848.55	1,980.44	775.34	2,031.87	0.93	0.44	0.82
13,925.00	89.03	0.67	11,849.77	2,075.43	776.47	2,126.69	0.50	-0.49	-0.03
14,020.00	88.49	0.63	11,851.83	2,170.40	777.55	2,221.48	0.57	-0.57	-0.04
14,114.00	90.13	359.60	11,852.96	2,264.39	777.74	2,315.23	2.06	1.74	-1.10
14,207.00	90.00	359.77	11,852.85	2,357.39	777.23	2,407.95	0.23	-0.14	0.18
14,301.00	89.03	0.54	11,853.65	2,451.38	777.48	2,501.71	1.32	-1.03	0.82
14,395.00	88.39	0.99	11,855.77	2,545.35	778.74	2,595.51	0.83	-0.68	0.48
14,582.00	88.42	0.52	11,860.97	2,732.26	781.20	2,782.10	0.25	0.02	-0.25
14,676.00	89.46	359.82	11,862.71	2,826.24	781.48	2,875.85	1.33	1.11	-0.74
14,770.00	90.80	0.05	11,862.50	2,920.24	781.37	2,969.59	1.45	1.43	0.24
14,864.00	90.00	0.01	11,861.84	3,014.24	781.42	3,063.34	0.85	-0.85	-0.04
14,958.00	89.70	359.25	11,862.09	3,108.23	780.81	3,157.04	0.87	-0.32	-0.81
15,053.00	89.06	358.66	11,863.12	3,203.21	779.08	3,251.64	0.92	-0.67	-0.62
15,148.00	88.82	357.83	11,864.87	3,298.15	776.17	3,346.11	0.91	-0.25	-0.87
15,243.00	89.16	0.12	11,866.55	3,393.11	774.47	3,440.69	2.44	0.36	2.41
15,338.00	89.63	0.33	11,867.55	3,488.11	774.85	3,535.46	0.54	0.49	0.22
15,431.00	88.49	0.35	11,869.08	3,581.09	775.40	3,628.23	1.23	-1.23	0.02
15,525.00	90.10	0.14	11,870.23	3,675.08	775.80	3,722.00	1.73	1.71	-0.22
15,620.00	89.43	359.72	11,870.62	3,770.08	775.68	3,816.73	0.83	-0.71	-0.44
15,714.00	89.06	0.12	11,871.86	3,864.07	775.55	3,910.46	0.58	-0.39	0.43
15,808.00	91.21	0.81	11,871.64	3,958.06	776.31	4,004.26	2.40	2.29	0.73
15,903.00	90.81	0.65	11,869.96	4,053.04	777.52	4,099.07	0.45	-0.42	-0.17
15,997.00	90.27	0.35	11,869.08	4,147.03	778.34	4,192.87	0.66	-0.57	-0.32
16,092.00	89.87	0.68	11,868.96	4,242.02	779.20	4,287.67	0.55	-0.42	0.35
16,187.00	89.33	0.36	11,869.63	4,337.02	780.06	4,382.47	0.66	-0.57	-0.34
16,281.00	89.13	0.46	11,870.89	4,431.01	780.73	4,476.26	0.24	-0.21	0.11
16,376.00	90.54	359.25	11,871.16	4,526.00	780.49	4,570.98	1.96	1.48	-1.27
16,470.00	90.37	359.59	11,870.42	4,619.99	779.54	4,664.65	0.40	-0.18	0.36
16,565.00	90.50	359.38	11,869.70	4,714.99	778.69	4,759.33	0.26	0.14	-0.22
16,660.00	90.30	359.47	11,869.03	4,809.98	777.73	4,854.00	0.23	-0.21	0.09
16,754.00	89.53	359.21	11,869.17	4,903.97	776.65	4,947.66	0.86	-0.82	-0.28
16,847.00	89.26	359.46	11,870.15	4,996.96	775.57	5,040.32	0.40	-0.29	0.27
16,941.00	90.70	0.13	11,870.19	5,090.96	775.24	5,134.04	1.69	1.53	0.71
17,036.00	90.60	0.78	11,869.11	5,185.95	775.99	5,228.83	0.69	-0.11	0.68



Scientific Drilling, Intl

Survey Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Thoroughbred 10-3 Fed com 732H
Project:	Eddy County, NM (NAD83 NME)	TVD Reference:	Patt 575 3244 GL 25 KB @ 3269.00usft
Site:	Thoroughbred Pad	MD Reference:	Patt 575 3244 GL 25 KB @ 3269.00usft
Well:	Thoroughbred 10-3 Fed com 732H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

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)
17,129.00	89.70	0.36	11,868.87	5,278.94	776.92	5,321.64	1.07	-0.97	-0.45
17,224.00	88.73	0.28	11,870.17	5,373.93	777.45	5,416.42	1.02	-1.02	-0.08
17,319.00	90.77	358.72	11,870.58	5,468.92	776.62	5,511.09	2.70	2.15	-1.64
17,414.00	89.87	358.63	11,870.05	5,563.89	774.42	5,605.64	0.95	-0.95	-0.09
17,508.00	89.09	357.93	11,870.90	5,657.84	771.60	5,699.14	1.11	-0.83	-0.74
17,602.00	90.44	358.45	11,871.29	5,751.79	768.63	5,792.62	1.54	1.44	0.55
17,696.00	89.87	359.18	11,871.03	5,845.77	766.69	5,886.20	0.99	-0.61	0.78
17,791.00	89.26	358.22	11,871.76	5,940.74	764.53	5,980.76	1.20	-0.64	-1.01
17,884.00	90.61	0.28	11,871.86	6,033.73	763.31	6,073.41	2.65	1.45	2.22
17,978.00	89.83	0.25	11,871.50	6,127.72	763.75	6,167.19	0.83	-0.83	-0.03
18,073.00	90.50	1.19	11,871.23	6,222.72	764.94	6,262.01	1.22	0.71	0.99
18,167.00	90.37	0.98	11,870.51	6,316.70	766.72	6,355.87	0.26	-0.14	-0.22
18,261.00	90.81	0.45	11,869.55	6,410.68	767.90	6,449.69	0.73	0.47	-0.56
18,354.00	89.90	1.61	11,868.97	6,503.66	769.57	6,542.54	1.59	-0.98	1.25
18,448.00	89.50	1.62	11,869.46	6,597.62	772.22	6,636.45	0.43	-0.43	0.01
18,543.00	88.96	1.46	11,870.74	6,692.58	774.77	6,731.33	0.59	-0.57	-0.17
18,637.00	90.64	1.08	11,871.07	6,786.55	776.85	6,825.21	1.83	1.79	-0.40
18,732.00	90.40	1.21	11,870.20	6,881.53	778.75	6,920.07	0.29	-0.25	0.14
18,826.00	89.70	1.34	11,870.12	6,975.51	780.84	7,013.95	0.76	-0.74	0.14
18,920.00	89.43	1.17	11,870.84	7,069.48	782.90	7,107.82	0.34	-0.29	-0.18
19,014.00	90.24	0.72	11,871.11	7,163.47	784.45	7,201.67	0.99	0.86	-0.48
19,109.00	88.76	0.58	11,871.94	7,258.46	785.53	7,296.48	1.56	-1.56	-0.15
19,203.00	88.59	0.76	11,874.11	7,352.42	786.63	7,390.28	0.26	-0.18	0.19
19,298.00	87.48	0.26	11,877.37	7,447.36	787.47	7,485.02	1.28	-1.17	-0.53
19,392.00	91.08	359.95	11,878.55	7,541.34	787.65	7,578.76	3.84	3.83	-0.33
19,486.00	89.56	358.95	11,878.02	7,635.33	786.74	7,672.43	1.94	-1.62	-1.06
19,581.00	90.57	359.42	11,877.91	7,730.32	785.39	7,767.07	1.17	1.06	0.49
19,675.00	88.39	358.70	11,878.77	7,824.30	783.85	7,860.68	2.44	-2.32	-0.77
19,770.00	88.59	358.92	11,881.27	7,919.24	781.88	7,955.23	0.31	0.21	0.23
19,865.00	90.00	0.09	11,882.44	8,014.23	781.06	8,049.90	1.93	1.48	1.23
19,959.00	89.50	0.48	11,882.85	8,108.22	781.52	8,143.68	0.67	-0.53	0.41
20,054.00	89.33	0.54	11,883.82	8,203.22	782.37	8,238.47	0.19	-0.18	0.06
20,148.00	89.73	1.05	11,884.59	8,297.20	783.67	8,332.31	0.69	0.43	0.54
20,243.00	89.60	1.05	11,885.15	8,392.19	785.41	8,427.16	0.14	-0.14	0.00
20,337.00	89.36	1.11	11,886.00	8,486.16	787.19	8,521.02	0.26	-0.26	0.06
20,431.00	88.69	1.18	11,887.60	8,580.13	789.06	8,614.87	0.72	-0.71	0.07
20,526.00	87.95	1.06	11,890.38	8,675.07	790.92	8,709.69	0.79	-0.78	-0.13
20,620.00	87.98	1.35	11,893.72	8,768.99	792.90	8,803.50	0.31	0.03	0.31
20,715.00	87.36	1.41	11,897.58	8,863.89	795.18	8,898.31	0.66	-0.65	0.06
20,809.00	87.79	1.11	11,901.56	8,957.78	797.25	8,992.10	0.56	0.46	-0.32
20,904.00	87.26	1.53	11,905.66	9,052.66	799.43	9,086.89	0.71	-0.56	0.44
20,998.00	86.68	1.26	11,910.63	9,146.50	801.72	9,180.65	0.68	-0.62	-0.29
21,093.00	86.31	359.32	11,916.44	9,241.32	802.20	9,275.25	2.08	-0.39	-2.04



Scientific Drilling, Intl

Survey Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Thoroughbred 10-3 Fed com 732H
Project:	Eddy County, NM (NAD83 NME)	TVD Reference:	Patt 575 3244 GL 25 KB @ 3269.00usft
Site:	Thoroughbred Pad	MD Reference:	Patt 575 3244 GL 25 KB @ 3269.00usft
Well:	Thoroughbred 10-3 Fed com 732H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

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)
21,187.00	88.35	359.39	11,920.82	9,335.21	801.14	9,368.81	2.17	2.17	0.07
21,282.00	87.85	359.45	11,923.97	9,430.15	800.18	9,463.42	0.53	-0.53	0.06
21,376.00	87.11	359.47	11,928.10	9,524.05	799.30	9,557.01	0.79	-0.79	0.02
21,471.00	87.12	359.40	11,932.88	9,618.93	798.36	9,651.56	0.07	0.01	-0.07
21,566.00	86.62	359.88	11,938.07	9,713.79	797.76	9,746.12	0.73	-0.53	0.51
21,660.00	85.87	359.68	11,944.23	9,807.58	797.40	9,839.64	0.83	-0.80	-0.21
21,754.00	85.78	359.58	11,951.07	9,901.33	796.80	9,933.09	0.14	-0.10	-0.11
21,849.00	85.56	359.40	11,958.24	9,996.06	795.96	10,027.50	0.30	-0.23	-0.19
21,917.00	85.20	359.53	11,963.72	10,063.83	795.32	10,095.05	0.56	-0.53	0.19
Last Svy 21917 MD									
21,969.00	85.20	359.53	11,968.07	10,115.65	794.90	10,146.70	0.00	0.00	0.00
BHL: 332.3 FNL 2363.3 FWL - 21969 MD 11968.07 TVD - Y-392765.77 X-716751.69 - 32.078527° N 103.766980° W									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11,952.49	11,808.42	114.22	657.92	Cross HL: 11952.49 MD 11808.42 TVD
21,917.00	11,963.72	10,063.83	795.32	Last Svy 21917 MD
21,969.00	11,968.07	10,115.65	794.90	BHL: 332.3 FNL 2363.3 FWL
21,969.00	11,968.07	10,115.65	794.90	21969 MD 11968.07 TVD
21,969.00	11,968.07	10,115.65	794.90	Y-392765.77 X-716751.69
21,969.00	11,968.07	10,115.65	794.90	32.078527° N 103.766980° W

Checked By: _____ Approved By: _____ Date: _____



Devon Energy

**Eddy County, NM (NAD83 NME)
Thoroughbred Pad
Thoroughbred 10-3 Fed com 732H**

OH Wellbore

Design: As Drilled

Survey Report - Geographic

03 August, 2020



www.scientificdrilling.com





Scientific Drilling, Intl

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well Thoroughbred 10-3 Fed com 732H
Project:	Eddy County, NM (NAD83 NME)	TVD Reference:	Patt 575 3244 GL 25 KB @ 3269.00usft
Site:	Thoroughbred Pad	MD Reference:	Patt 575 3244 GL 25 KB @ 3269.00usft
Well:	Thoroughbred 10-3 Fed com 732H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

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		Thoroughbred Pad, SH of Thoroughbred 711H			
Site Position:		Northing:		Latitude:	
From:	Map	Easting:		Longitude:	
Position Uncertainty:		Slot Radius:		Grid Convergence:	

Well	Thoroughbred 10-3 Fed com 732H, Wolfcamp 130					
Well Position	+N/-S	0.00 usft	Northing:	382,650.69 usft	Latitude:	32.050734
	+E/-W	0.00 usft	Easting:	715,956.84 usft	Longitude:	-103.769717
Position Uncertainty		0.00 usft	Wellhead Elevation:	3,269.00 usft	Ground Level:	3,244.00 usft

Wellbore	OH Wellbore				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM_FILE	4/24/2020	6.57	59.63	47,650.30000000

Design	As Drilled				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	4.20	

Survey Program	Date	8/3/2020			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
176.00	1,391.00	Survey #1 Surface (OH Wellbore)	MWD+HDGM	OWSG MWD + HDGM	
1,512.00	21,969.00	Survey #2 (OH Wellbore)	MWD+HDGM	OWSG MWD + HDGM	

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	382,650.69	715,956.84	32.050734	-103.769717
176.00	1.00	20.09	175.99	1.44	0.53	382,652.13	715,957.36	32.050738	-103.769715
267.00	0.99	14.05	266.98	2.95	0.99	382,653.64	715,957.83	32.050742	-103.769714
360.00	0.39	70.32	359.97	3.84	1.48	382,654.53	715,958.32	32.050744	-103.769712
450.00	0.17	43.59	449.97	4.04	1.86	382,654.72	715,958.70	32.050745	-103.769711
541.00	0.20	92.80	540.97	4.13	2.12	382,654.81	715,958.95	32.050745	-103.769710
632.00	0.51	17.37	631.97	4.51	2.40	382,655.19	715,959.23	32.050746	-103.769709
724.00	0.48	33.93	723.96	5.22	2.73	382,655.90	715,959.57	32.050748	-103.769708
816.00	0.34	45.11	815.96	5.73	3.14	382,656.42	715,959.98	32.050749	-103.769707
908.00	0.24	5.91	907.96	6.11	3.36	382,656.80	715,960.19	32.050751	-103.769706
999.00	0.41	278.03	998.96	6.35	3.05	382,657.04	715,959.89	32.050751	-103.769707



Scientific Drilling, Intl

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well Thoroughbred 10-3 Fed com 732H
Project:	Eddy County, NM (NAD83 NME)	TVD Reference:	Patt 575 3244 GL 25 KB @ 3269.00usft
Site:	Thoroughbred Pad	MD Reference:	Patt 575 3244 GL 25 KB @ 3269.00usft
Well:	Thoroughbred 10-3 Fed com 732H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,090.00	0.75	322.43	1,089.96	6.87	2.37	382,657.55	715,959.20	32.050753	-103.769709
1,181.00	0.86	291.58	1,180.95	7.59	1.37	382,658.28	715,958.20	32.050755	-103.769713
1,273.00	1.12	296.81	1,272.93	8.25	-0.08	382,658.94	715,956.76	32.050756	-103.769717
1,366.00	0.90	307.47	1,365.92	9.10	-1.47	382,659.79	715,955.37	32.050759	-103.769722
1,391.00	1.07	321.26	1,390.92	9.40	-1.77	382,660.09	715,955.07	32.050760	-103.769723
1,512.00	1.26	312.82	1,511.89	11.19	-3.45	382,661.88	715,953.38	32.050765	-103.769728
1,606.00	1.38	317.39	1,605.87	12.72	-4.98	382,663.41	715,951.86	32.050769	-103.769733
1,700.00	1.12	305.77	1,699.84	14.09	-6.49	382,664.78	715,950.35	32.050773	-103.769738
1,795.00	1.03	313.75	1,794.83	15.23	-7.86	382,665.92	715,948.98	32.050776	-103.769742
1,890.00	1.12	107.06	1,889.82	15.55	-7.59	382,666.23	715,949.25	32.050777	-103.769741
1,984.00	2.92	118.49	1,983.76	14.13	-4.60	382,664.82	715,952.23	32.050773	-103.769732
2,079.00	4.49	105.97	2,078.56	11.96	1.10	382,662.64	715,957.93	32.050767	-103.769713
2,174.00	6.45	92.13	2,173.13	10.74	10.01	382,661.42	715,966.84	32.050763	-103.769685
2,268.00	7.58	92.99	2,266.42	10.22	21.47	382,660.90	715,978.31	32.050762	-103.769648
2,363.00	9.34	91.45	2,360.38	9.69	35.44	382,660.38	715,992.27	32.050760	-103.769603
2,458.00	8.75	91.67	2,454.20	9.29	50.37	382,659.98	716,007.20	32.050759	-103.769554
2,553.00	9.44	92.74	2,548.01	8.71	65.37	382,659.39	716,022.21	32.050757	-103.769506
2,647.00	9.90	92.57	2,640.67	7.97	81.15	382,658.66	716,037.98	32.050755	-103.769455
2,742.00	9.70	93.11	2,734.28	7.17	97.30	382,657.86	716,054.13	32.050752	-103.769403
2,836.00	9.43	93.16	2,826.98	6.32	112.89	382,657.01	716,069.72	32.050750	-103.769353
2,931.00	8.88	95.10	2,920.77	5.24	127.97	382,655.93	716,084.80	32.050746	-103.769304
3,025.00	8.76	94.12	3,013.66	4.08	142.33	382,654.77	716,099.16	32.050743	-103.769258
3,120.00	9.83	94.10	3,107.41	2.98	157.64	382,653.67	716,114.46	32.050740	-103.769208
3,214.00	9.42	93.53	3,200.08	1.93	173.32	382,652.62	716,130.14	32.050737	-103.769158
3,309.00	8.58	93.95	3,293.91	0.97	188.15	382,651.65	716,144.97	32.050734	-103.769110
3,403.00	8.64	93.76	3,386.85	0.02	202.19	382,650.71	716,159.01	32.050731	-103.769065
3,498.00	9.52	98.44	3,480.66	-1.60	217.08	382,649.09	716,173.90	32.050726	-103.769017
3,592.00	9.74	98.89	3,573.34	-3.97	232.63	382,646.72	716,189.45	32.050720	-103.768966
3,687.00	10.78	99.32	3,666.82	-6.65	249.33	382,644.04	716,206.15	32.050712	-103.768913
3,781.00	9.88	100.87	3,759.29	-9.60	265.93	382,641.09	716,222.75	32.050704	-103.768859
3,876.00	9.56	102.82	3,852.93	-12.88	281.62	382,637.81	716,238.44	32.050694	-103.768808
3,970.00	8.80	101.78	3,945.73	-16.08	296.27	382,634.61	716,253.09	32.050685	-103.768761
4,065.00	10.43	101.47	4,039.39	-19.28	311.82	382,631.41	716,268.63	32.050676	-103.768711
4,160.00	10.42	100.38	4,132.82	-22.54	328.69	382,628.15	716,285.51	32.050667	-103.768657
4,254.00	10.16	99.96	4,225.31	-25.50	345.22	382,625.19	716,302.04	32.050659	-103.768603
4,349.00	9.75	100.40	4,318.88	-28.40	361.39	382,622.29	716,318.20	32.050651	-103.768551
4,444.00	10.02	98.27	4,412.47	-31.04	377.48	382,619.65	716,334.29	32.050643	-103.768499
4,538.00	11.45	98.02	4,504.82	-33.52	394.81	382,617.17	716,351.62	32.050636	-103.768444
4,633.00	11.70	97.70	4,597.89	-36.13	413.69	382,614.56	716,370.50	32.050629	-103.768383
4,727.00	11.23	96.98	4,690.01	-38.52	432.22	382,612.17	716,389.03	32.050622	-103.768323
4,822.00	10.76	96.49	4,783.27	-40.64	450.22	382,610.05	716,407.03	32.050616	-103.768265
4,917.00	10.87	100.41	4,876.58	-43.26	467.84	382,607.43	716,424.65	32.050608	-103.768208
5,011.00	10.74	101.47	4,968.92	-46.61	485.14	382,604.08	716,441.95	32.050599	-103.768152
5,106.00	9.86	99.58	5,062.38	-49.72	501.83	382,600.97	716,458.64	32.050590	-103.768098
5,201.00	9.53	97.21	5,156.03	-52.06	517.66	382,598.63	716,474.46	32.050583	-103.768047
5,296.00	8.88	97.91	5,249.80	-54.06	532.72	382,596.63	716,489.53	32.050578	-103.767999
5,391.00	8.97	97.12	5,343.65	-55.99	547.33	382,594.71	716,504.14	32.050572	-103.767952
5,486.00	8.61	94.79	5,437.54	-57.50	561.77	382,593.19	716,518.57	32.050568	-103.767905
5,580.00	8.48	96.19	5,530.49	-58.83	575.67	382,591.86	716,532.47	32.050564	-103.767860
5,675.00	7.67	99.16	5,624.55	-60.60	588.89	382,590.10	716,545.70	32.050559	-103.767818
5,769.00	7.27	100.58	5,717.75	-62.69	600.93	382,588.01	716,557.74	32.050553	-103.767779
5,864.00	7.03	99.64	5,812.02	-64.76	612.57	382,585.93	716,569.37	32.050547	-103.767741
5,958.00	5.42	97.71	5,905.46	-66.32	622.64	382,584.37	716,579.45	32.050543	-103.767709
6,053.00	4.82	100.05	6,000.08	-67.62	631.02	382,583.07	716,587.82	32.050539	-103.767682
6,147.00	4.03	100.68	6,093.80	-68.92	638.15	382,581.77	716,594.95	32.050535	-103.767659



Scientific Drilling, Intl

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well Thoroughbred 10-3 Fed com 732H
Project:	Eddy County, NM (NAD83 NME)	TVD Reference:	Patt 575 3244 GL 25 KB @ 3269.00usft
Site:	Thoroughbred Pad	MD Reference:	Patt 575 3244 GL 25 KB @ 3269.00usft
Well:	Thoroughbred 10-3 Fed com 732H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
6,240.00	3.07	98.48	6,186.62	-69.90	643.83	382,580.80	716,600.63	32.050532	-103.767640
6,335.00	3.14	100.12	6,281.48	-70.73	648.91	382,579.96	716,605.71	32.050530	-103.767624
6,429.00	1.71	99.57	6,375.39	-71.41	652.82	382,579.28	716,609.62	32.050528	-103.767611
6,523.00	1.22	100.22	6,469.36	-71.82	655.19	382,578.87	716,611.99	32.050527	-103.767604
6,617.00	1.28	100.16	6,563.34	-72.19	657.21	382,578.51	716,614.01	32.050526	-103.767597
6,712.00	0.89	143.89	6,658.32	-72.97	658.69	382,577.72	716,615.49	32.050524	-103.767593
6,806.00	1.23	161.96	6,752.31	-74.52	659.43	382,576.17	716,616.23	32.050519	-103.767590
6,901.00	1.10	168.55	6,847.29	-76.38	659.93	382,574.31	716,616.73	32.050514	-103.767589
6,995.00	1.23	168.95	6,941.27	-78.26	660.30	382,572.44	716,617.10	32.050509	-103.767587
7,089.00	1.19	171.50	7,035.25	-80.21	660.64	382,570.48	716,617.44	32.050504	-103.767586
7,184.00	1.33	168.11	7,130.22	-82.27	661.01	382,568.43	716,617.81	32.050498	-103.767585
7,279.00	0.98	220.04	7,225.21	-83.97	660.72	382,566.73	716,617.52	32.050493	-103.767586
7,373.00	1.34	235.29	7,319.19	-85.21	659.30	382,565.48	716,616.10	32.050490	-103.767591
7,468.00	1.32	235.37	7,414.16	-86.46	657.48	382,564.23	716,614.28	32.050487	-103.767597
7,562.00	1.28	233.49	7,508.14	-87.70	655.75	382,562.99	716,612.55	32.050483	-103.767602
7,657.00	1.28	231.86	7,603.11	-88.99	654.06	382,561.70	716,610.86	32.050480	-103.767608
7,752.00	1.37	227.83	7,698.09	-90.41	652.38	382,560.29	716,609.18	32.050476	-103.767613
7,846.00	1.46	223.79	7,792.06	-92.03	650.72	382,558.67	716,607.52	32.050471	-103.767619
7,941.00	1.42	216.84	7,887.03	-93.84	649.18	382,556.85	716,605.98	32.050467	-103.767624
8,035.00	1.27	214.63	7,981.00	-95.63	647.89	382,555.06	716,604.69	32.050462	-103.767628
8,130.00	1.27	209.17	8,075.98	-97.42	646.78	382,553.28	716,603.58	32.050457	-103.767631
8,224.00	1.40	206.40	8,169.96	-99.36	645.76	382,551.34	716,602.56	32.050451	-103.767635
8,319.00	1.28	197.11	8,264.93	-101.41	644.93	382,549.28	716,601.73	32.050446	-103.767637
8,413.00	1.14	184.79	8,358.91	-103.34	644.54	382,547.35	716,601.34	32.050440	-103.767639
8,508.00	1.04	182.54	8,453.89	-105.15	644.43	382,545.55	716,601.23	32.050436	-103.767639
8,602.00	1.19	188.57	8,547.87	-106.96	644.24	382,543.73	716,601.04	32.050431	-103.767640
8,697.00	1.29	184.79	8,642.85	-109.01	644.01	382,541.69	716,600.81	32.050425	-103.767641
8,792.00	1.31	185.93	8,737.83	-111.15	643.81	382,539.54	716,600.61	32.050419	-103.767641
8,887.00	1.32	187.81	8,832.80	-113.32	643.55	382,537.38	716,600.35	32.050413	-103.767642
8,981.00	1.74	190.68	8,926.77	-115.79	643.13	382,534.90	716,599.93	32.050406	-103.767643
9,076.00	1.75	184.63	9,021.72	-118.65	642.75	382,532.04	716,599.55	32.050398	-103.767645
9,170.00	1.85	185.99	9,115.68	-121.59	642.47	382,529.10	716,599.28	32.050390	-103.767646
9,264.00	1.91	186.17	9,209.63	-124.66	642.15	382,526.04	716,598.95	32.050382	-103.767647
9,358.00	0.97	270.81	9,303.60	-126.21	641.18	382,524.49	716,597.98	32.050378	-103.767650
9,452.00	1.11	292.05	9,397.59	-125.85	639.54	382,524.84	716,596.34	32.050379	-103.767655
9,547.00	0.83	266.17	9,492.58	-125.55	638.01	382,525.14	716,594.81	32.050380	-103.767660
9,642.00	0.82	256.68	9,587.57	-125.76	636.66	382,524.94	716,593.46	32.050379	-103.767665
9,736.00	0.61	275.55	9,681.56	-125.86	635.50	382,524.83	716,592.31	32.050379	-103.767668
9,831.00	0.64	297.65	9,776.55	-125.57	634.53	382,525.13	716,591.33	32.050380	-103.767671
9,925.00	0.77	296.28	9,870.55	-125.04	633.50	382,525.65	716,590.30	32.050381	-103.767675
10,021.00	0.89	291.66	9,966.54	-124.48	632.23	382,526.21	716,589.03	32.050383	-103.767679
10,115.00	0.77	302.37	10,060.53	-123.88	631.02	382,526.82	716,587.82	32.050384	-103.767683
10,209.00	1.01	304.21	10,154.52	-123.07	629.80	382,527.62	716,586.60	32.050386	-103.767687
10,303.00	0.86	311.94	10,248.50	-122.14	628.59	382,528.56	716,585.39	32.050389	-103.767691
10,398.00	0.84	271.57	10,343.49	-121.64	627.36	382,529.06	716,584.16	32.050390	-103.767694
10,493.00	1.02	261.27	10,438.48	-121.75	625.83	382,528.95	716,582.63	32.050390	-103.767699
10,587.00	1.29	257.90	10,532.46	-122.10	623.97	382,528.60	716,580.77	32.050389	-103.767705
10,681.00	1.30	264.71	10,626.44	-122.42	621.87	382,528.28	716,578.67	32.050388	-103.767712
10,776.00	1.61	270.08	10,721.41	-122.52	619.46	382,528.18	716,576.27	32.050388	-103.767720
10,870.00	1.83	266.52	10,815.36	-122.60	616.65	382,528.09	716,573.45	32.050388	-103.767729
10,965.00	1.62	264.30	10,910.32	-122.83	613.80	382,527.87	716,570.60	32.050387	-103.767738
11,060.00	1.67	265.03	11,005.28	-123.08	611.08	382,527.61	716,567.88	32.050387	-103.767747
11,155.00	1.79	264.22	11,100.24	-123.35	608.22	382,527.34	716,565.03	32.050386	-103.767756
11,249.00	1.60	264.36	11,194.20	-123.63	605.46	382,527.07	716,562.26	32.050385	-103.767765
11,314.00	1.44	258.21	11,259.18	-123.89	603.76	382,526.81	716,560.56	32.050385	-103.767771



Scientific Drilling, Intl

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well Thoroughbred 10-3 Fed com 732H
Project:	Eddy County, NM (NAD83 NME)	TVD Reference:	Patt 575 3244 GL 25 KB @ 3269.00usft
Site:	Thoroughbred Pad	MD Reference:	Patt 575 3244 GL 25 KB @ 3269.00usft
Well:	Thoroughbred 10-3 Fed com 732H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
11,436.00	4.03	349.49	11,381.06	-119.98	601.47	382,530.71	716,558.27	32.050395	-103.767778
11,531.00	11.78	5.47	11,475.10	-107.03	601.79	382,543.67	716,558.59	32.050431	-103.767777
11,603.00	16.42	8.82	11,544.91	-89.64	604.05	382,561.05	716,560.85	32.050479	-103.767769
11,728.00	30.62	14.11	11,659.24	-41.06	614.57	382,609.63	716,571.38	32.050612	-103.767734
11,820.00	40.73	18.99	11,733.90	10.19	630.10	382,660.88	716,586.90	32.050753	-103.767683
11,912.00	60.75	13.36	11,791.85	78.35	649.34	382,729.03	716,606.14	32.050940	-103.767620
11,952.49	70.87	13.51	11,808.42	114.22	657.92	382,764.91	716,614.72	32.051038	-103.767592
Cross HL: 11952.49 MD 11808.42 TVD									
11,957.00	72.00	13.53	11,809.85	118.38	658.92	382,769.06	716,615.72	32.051050	-103.767589
12,033.00	84.12	11.01	11,825.55	190.90	674.65	382,841.58	716,631.45	32.051249	-103.767537
12,127.00	89.13	7.38	11,831.09	283.49	689.63	382,934.16	716,646.43	32.051503	-103.767487
12,222.00	89.56	8.05	11,832.17	377.62	702.38	383,028.29	716,659.18	32.051762	-103.767444
12,317.00	89.36	9.34	11,833.07	471.53	716.74	383,122.19	716,673.54	32.052020	-103.767396
12,411.00	88.56	7.61	11,834.77	564.48	730.60	383,215.14	716,687.39	32.052275	-103.767350
12,506.00	88.18	7.34	11,837.47	658.63	742.95	383,309.29	716,699.74	32.052533	-103.767308
12,600.00	88.99	6.45	11,839.80	751.92	754.23	383,402.57	716,711.02	32.052790	-103.767270
12,695.00	90.77	4.44	11,840.00	846.49	763.24	383,497.13	716,720.04	32.053050	-103.767240
12,789.00	90.61	4.89	11,838.86	940.17	770.89	383,590.80	716,727.68	32.053307	-103.767213
12,884.00	89.29	3.61	11,838.95	1,034.90	777.93	383,685.53	716,734.72	32.053567	-103.767189
12,979.00	88.82	2.80	11,840.51	1,129.74	783.24	383,780.37	716,740.03	32.053828	-103.767170
13,074.00	88.73	0.20	11,842.54	1,224.68	785.72	383,875.30	716,742.52	32.054089	-103.767161
13,169.00	88.05	0.56	11,845.21	1,319.64	786.35	383,970.25	716,743.15	32.054350	-103.767157
13,263.00	90.30	358.40	11,846.57	1,413.61	785.50	384,064.22	716,742.29	32.054608	-103.767158
13,358.00	90.50	358.45	11,845.90	1,508.57	782.89	384,159.18	716,739.68	32.054869	-103.767165
13,453.00	90.10	358.36	11,845.41	1,603.54	780.25	384,254.13	716,737.04	32.055130	-103.767172
13,547.00	89.87	358.10	11,845.43	1,697.49	777.34	384,348.08	716,734.14	32.055388	-103.767180
13,641.00	89.33	359.45	11,846.09	1,791.46	775.33	384,442.05	716,732.13	32.055647	-103.767185
13,736.00	89.09	359.93	11,847.40	1,886.45	774.82	384,537.04	716,731.61	32.055908	-103.767185
13,830.00	89.50	0.70	11,848.55	1,980.44	775.34	384,631.02	716,732.13	32.056166	-103.767181
13,925.00	89.03	0.67	11,849.77	2,075.43	776.47	384,726.00	716,733.26	32.056427	-103.767176
14,020.00	88.49	0.63	11,851.83	2,170.40	777.55	384,820.97	716,734.34	32.056688	-103.767171
14,114.00	90.13	359.60	11,852.96	2,264.39	777.74	384,914.95	716,734.53	32.056947	-103.767169
14,207.00	90.00	359.77	11,852.85	2,357.39	777.23	385,007.94	716,734.02	32.057202	-103.767169
14,301.00	89.03	0.54	11,853.65	2,451.38	777.48	385,101.93	716,734.27	32.057461	-103.767166
14,395.00	88.39	0.99	11,855.77	2,545.35	778.74	385,195.90	716,735.53	32.057719	-103.767161
14,582.00	88.42	0.52	11,860.97	2,732.26	781.20	385,382.80	716,737.99	32.058233	-103.767150
14,676.00	89.46	359.82	11,862.71	2,826.24	781.48	385,476.77	716,738.27	32.058491	-103.767147
14,770.00	90.80	0.05	11,862.50	2,920.24	781.37	385,570.76	716,738.16	32.058749	-103.767146
14,864.00	90.00	0.01	11,861.84	3,014.24	781.42	385,664.76	716,738.21	32.059008	-103.767144
14,958.00	89.70	359.25	11,862.09	3,108.23	780.81	385,758.75	716,737.60	32.059266	-103.767145
15,053.00	89.06	358.66	11,863.12	3,203.21	779.08	385,853.72	716,735.87	32.059527	-103.767149
15,148.00	88.82	357.83	11,864.87	3,298.15	776.17	385,948.65	716,732.96	32.059788	-103.767156
15,243.00	89.16	0.12	11,866.55	3,393.11	774.47	386,043.61	716,731.26	32.060049	-103.767160
15,338.00	89.63	0.33	11,867.55	3,488.11	774.85	386,138.60	716,731.64	32.060310	-103.767157
15,431.00	88.49	0.35	11,869.08	3,581.09	775.40	386,231.58	716,732.19	32.060566	-103.767154
15,525.00	90.10	0.14	11,870.23	3,675.08	775.80	386,325.56	716,732.59	32.060824	-103.767151
15,620.00	89.43	359.72	11,870.62	3,770.08	775.68	386,420.56	716,732.48	32.061085	-103.767150
15,714.00	89.06	0.12	11,871.86	3,864.07	775.55	386,514.54	716,732.34	32.061344	-103.767149
15,808.00	91.21	0.81	11,871.64	3,958.06	776.31	386,608.53	716,733.11	32.061602	-103.767145
15,903.00	90.81	0.65	11,869.96	4,053.04	777.52	386,703.50	716,734.32	32.061863	-103.767139
15,997.00	90.27	0.35	11,869.08	4,147.03	778.34	386,797.49	716,735.14	32.062121	-103.767135
16,092.00	89.87	0.68	11,868.96	4,242.02	779.20	386,892.48	716,735.99	32.062383	-103.767131
16,187.00	89.33	0.36	11,869.63	4,337.02	780.06	386,987.46	716,736.85	32.062644	-103.767126
16,281.00	89.13	0.46	11,870.89	4,431.01	780.73	387,081.45	716,737.53	32.062902	-103.767122
16,376.00	90.54	359.25	11,871.16	4,526.00	780.49	387,176.44	716,737.29	32.063163	-103.767122



Scientific Drilling, Intl

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well Thoroughbred 10-3 Fed com 732H
Project:	Eddy County, NM (NAD83 NME)	TVD Reference:	Patt 575 3244 GL 25 KB @ 3269.00usft
Site:	Thoroughbred Pad	MD Reference:	Patt 575 3244 GL 25 KB @ 3269.00usft
Well:	Thoroughbred 10-3 Fed com 732H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
16,470.00	90.37	359.59	11,870.42	4,619.99	779.54	387,270.42	716,736.33	32.063422	-103.767123
16,565.00	90.50	359.38	11,869.70	4,714.99	778.69	387,365.41	716,735.48	32.063683	-103.767124
16,660.00	90.30	359.47	11,869.03	4,809.98	777.73	387,460.40	716,734.53	32.063944	-103.767126
16,754.00	89.53	359.21	11,869.17	4,903.97	776.65	387,554.39	716,733.44	32.064202	-103.767128
16,847.00	89.26	359.46	11,870.15	4,996.96	775.57	387,647.37	716,732.36	32.064458	-103.767129
16,941.00	90.70	0.13	11,870.19	5,090.96	775.24	387,741.36	716,732.03	32.064716	-103.767129
17,036.00	90.60	0.78	11,869.11	5,185.95	775.99	387,836.35	716,732.78	32.064977	-103.767125
17,129.00	89.70	0.36	11,868.87	5,278.94	776.92	387,929.34	716,733.71	32.065233	-103.767120
17,224.00	88.73	0.28	11,870.17	5,373.93	777.45	388,024.32	716,734.24	32.065494	-103.767117
17,319.00	90.77	358.72	11,870.58	5,468.92	776.62	388,119.30	716,733.41	32.065755	-103.767118
17,414.00	89.87	358.63	11,870.05	5,563.89	774.42	388,214.27	716,731.21	32.066016	-103.767124
17,508.00	89.09	357.93	11,870.90	5,657.84	771.60	388,308.21	716,728.39	32.066274	-103.767131
17,602.00	90.44	358.45	11,871.29	5,751.79	768.63	388,402.16	716,725.42	32.066533	-103.767139
17,696.00	89.87	359.18	11,871.03	5,845.77	766.69	388,496.13	716,723.48	32.066791	-103.767144
17,791.00	89.26	358.22	11,871.76	5,940.74	764.53	388,591.10	716,721.32	32.067052	-103.767149
17,884.00	90.61	0.28	11,871.86	6,033.73	763.31	388,684.08	716,720.11	32.067308	-103.767152
17,978.00	89.83	0.25	11,871.50	6,127.72	763.75	388,778.07	716,720.54	32.067566	-103.767149
18,073.00	90.50	1.19	11,871.23	6,222.72	764.94	388,873.06	716,721.74	32.067827	-103.767143
18,167.00	90.37	0.98	11,870.51	6,316.70	766.72	388,967.03	716,723.52	32.068085	-103.767136
18,261.00	90.81	0.45	11,869.55	6,410.68	767.90	389,061.01	716,724.69	32.068344	-103.767130
18,354.00	89.90	1.61	11,868.97	6,503.66	769.57	389,153.99	716,726.36	32.068599	-103.767123
18,448.00	89.50	1.62	11,869.46	6,597.62	772.22	389,247.94	716,729.01	32.068858	-103.767113
18,543.00	88.96	1.46	11,870.74	6,692.58	774.77	389,342.90	716,731.56	32.069118	-103.767103
18,637.00	90.64	1.08	11,871.07	6,786.55	776.85	389,436.86	716,733.64	32.069377	-103.767095
18,732.00	90.40	1.21	11,870.20	6,881.53	778.75	389,531.83	716,735.54	32.069638	-103.767087
18,826.00	89.70	1.34	11,870.12	6,975.51	780.84	389,625.81	716,737.63	32.069896	-103.767079
18,920.00	89.43	1.17	11,870.84	7,069.48	782.90	389,719.77	716,739.69	32.070154	-103.767071
19,014.00	90.24	0.72	11,871.11	7,163.47	784.45	389,813.76	716,741.24	32.070413	-103.767064
19,109.00	88.76	0.58	11,871.94	7,258.46	785.53	389,908.74	716,742.32	32.070674	-103.767059
19,203.00	88.59	0.76	11,874.11	7,352.42	786.63	390,002.70	716,743.42	32.070932	-103.767054
19,298.00	87.48	0.26	11,877.37	7,447.36	787.47	390,097.63	716,744.26	32.071193	-103.767050
19,392.00	91.08	359.95	11,878.55	7,541.34	787.65	390,191.61	716,744.44	32.071451	-103.767047
19,486.00	89.56	358.95	11,878.02	7,635.33	786.74	390,285.59	716,743.53	32.071710	-103.767049
19,581.00	90.57	359.42	11,877.91	7,730.32	785.39	390,380.57	716,742.18	32.071971	-103.767052
19,675.00	88.39	358.70	11,878.77	7,824.30	783.85	390,474.55	716,740.64	32.072229	-103.767055
19,770.00	88.59	358.92	11,881.27	7,919.24	781.88	390,569.49	716,738.67	32.072490	-103.767060
19,865.00	90.00	0.09	11,882.44	8,014.23	781.06	390,664.47	716,737.85	32.072751	-103.767061
19,959.00	89.50	0.48	11,882.85	8,108.22	781.52	390,758.46	716,738.32	32.073010	-103.767058
20,054.00	89.33	0.54	11,883.82	8,203.22	782.37	390,853.44	716,739.16	32.073271	-103.767053
20,148.00	89.73	1.05	11,884.59	8,297.20	783.67	390,947.43	716,740.47	32.073529	-103.767047
20,243.00	89.60	1.05	11,885.15	8,392.19	785.41	391,042.40	716,742.21	32.073790	-103.767040
20,337.00	89.36	1.11	11,886.00	8,486.16	787.19	391,136.38	716,743.98	32.074048	-103.767033
20,431.00	88.69	1.18	11,887.60	8,580.13	789.06	391,230.34	716,745.86	32.074307	-103.767025
20,526.00	87.95	1.06	11,890.38	8,675.07	790.92	391,325.27	716,747.71	32.074567	-103.767018
20,620.00	87.98	1.35	11,893.72	8,768.99	792.90	391,419.19	716,749.69	32.074826	-103.767010
20,715.00	87.36	1.41	11,897.58	8,863.89	795.18	391,514.08	716,751.97	32.075086	-103.767001
20,809.00	87.79	1.11	11,901.56	8,957.78	797.25	391,607.97	716,754.04	32.075344	-103.766992
20,904.00	87.26	1.53	11,905.66	9,052.66	799.43	391,702.85	716,756.23	32.075605	-103.766984
20,998.00	86.68	1.26	11,910.63	9,146.50	801.72	391,796.68	716,758.51	32.075863	-103.766975
21,093.00	86.31	359.32	11,916.44	9,241.32	802.20	391,891.49	716,758.99	32.076124	-103.766972
21,187.00	88.35	359.39	11,920.82	9,335.21	801.14	391,985.37	716,757.93	32.076382	-103.766973
21,282.00	87.85	359.45	11,923.97	9,430.15	800.18	392,080.31	716,756.97	32.076643	-103.766975
21,376.00	87.11	359.47	11,928.10	9,524.05	799.30	392,174.21	716,756.09	32.076901	-103.766976
21,471.00	87.12	359.40	11,932.88	9,618.93	798.36	392,269.08	716,755.15	32.077162	-103.766978
21,566.00	86.62	359.88	11,938.07	9,713.79	797.76	392,363.93	716,754.56	32.077422	-103.766978



Scientific Drilling, Intl

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well Thoroughbred 10-3 Fed com 732H
Project:	Eddy County, NM (NAD83 NME)	TVD Reference:	Patt 575 3244 GL 25 KB @ 3269.00usft
Site:	Thoroughbred Pad	MD Reference:	Patt 575 3244 GL 25 KB @ 3269.00usft
Well:	Thoroughbred 10-3 Fed com 732H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
21,660.00	85.87	359.68	11,944.23	9,807.58	797.40	392,457.72	716,754.20	32.077680	-103.766978	
21,754.00	85.78	359.58	11,951.07	9,901.33	796.80	392,551.46	716,753.59	32.077938	-103.766978	
21,849.00	85.56	359.40	11,958.24	9,996.06	795.96	392,646.18	716,752.75	32.078198	-103.766979	
21,917.00	85.20	359.53	11,963.72	10,063.83	795.32	392,713.96	716,752.11	32.078385	-103.766980	
Last Svy 21917 MD										
21,969.00	85.20	359.53	11,968.07	10,115.65	794.90	392,765.77	716,751.69	32.078527	-103.766980	
BHL: 332.3 FNL 2363.3 FWL - 21969 MD 11968.07 TVD - Y-392765.77 X-716751.69 - 32.078527° N 103.766980° W										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
11,952.49	11,808.42	114.22	657.92	Cross HL: 11952.49 MD 11808.42 TVD	
21,917.00	11,963.72	10,063.83	795.32	Last Svy 21917 MD	
21,969.00	11,968.07	10,115.65	794.90	BHL: 332.3 FNL 2363.3 FWL	
21,969.00	11,968.07	10,115.65	794.90	21969 MD 11968.07 TVD	
21,969.00	11,968.07	10,115.65	794.90	Y-392765.77 X-716751.69	
21,969.00	11,968.07	10,115.65	794.90	32.078527° N 103.766980° W	

Checked By: _____	Approved By: _____	Date: _____
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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 August 1, 2011

WELL API NO.	30-015-46507
5. Indicate Type of Lease STATE ☐ FEE ☐	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name THOROUGHbred 10-3 FED COM	
8. Well Number	732H
9. OGRID Number	6137
10. Pool name or Wildcat PURPLE SAGE; WOLFCAMP (GAS)	

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.) 1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐ 2. Name of Operator Devon Energy Production Company, L.P. 3. Address of Operator 333 West Sheridan, Oklahoma City, OK 73102 4. Well Location Unit Letter <u>N</u> : <u>220</u> feet from the <u>South</u> line and <u>1530</u> feet from the <u>West</u> line Section <u>10</u> Township <u>26S</u> Range <u>31E</u> NMPM County <u>EDDY</u> 11. Elevation (Show whether DR, RKB, RT, GR, etc.) GL: 3243	
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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 ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ P AND A ☐
 CASING/CEMENT JOB ☐

OTHER: ☐

OTHER: 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.

12/07/20-12/27/20: MIRU WL & PT. TIH w/pump through frac plug and guns. Perf, 11957'-21857', total 984 holes. Frac totals 44 bbls acid, 23727500# prop. ND frac, MIRU PU, NU BOP, DO plugs & CO to PBTD 21903'. CHC, FWB, ND BOP. Tbg not yet ran. TOP.

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

SIGNATURE Chelsey Green TITLE Regulatory Specialist DATE 6/7/2021

Type or print name Chelsey Green E-mail address: chelsey.green@dmn.com PHONE: 405-228-8595
For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____
 Conditions of Approval (if any): _____

Submit To Appropriate District Office Two Copies 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		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505				Form C-105 Revised August 1, 2011				
		1. WELL API NO. 30-015-46507								
		2. Type of Lease ☐ STATE ☐ FEE ☒ FED/INDIAN								
		3. State Oil & Gas Lease No.								
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)						5. Lease Name or Unit Agreement Name THOROUGHbred 10-3 FED COM				
						6. Well Number: 732H				
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER										
8. Name of Operator Devon Energy Production Company, L.P.						9. OGRID 6137				
10. Address of Operator 333 West Sheridan Avenue, Oklahoma City, OK 73102						11. Pool name or Wildcat PURPLE SAGE; WOLFCAMP (GAS)				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	N	10	26S	31E		220	South	1530	West	EDDY
BH:	C	3	26S	31E		334	North	2362	West	EDDY
13. Date Spudded 5/3/20	14. Date T.D. Reached 8/2/20	15. Date Rig Released 8/5/20		16. Date Completed (Ready to Produce) 3/25/21		17. Elevations (DF and RKB, RT, GR, etc.) 3243 GL				
18. Total Measured Depth of Well 21969 MD, 11968 TVD		19. Plug Back Measured Depth 21903		20. Was Directional Survey Made? Yes		21. Type Electric and Other Logs Run				
22. Producing Interval(s), of this completion - Top, Bottom, Name 11957-21857, WOLFCAMP (GAS)										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED					
13.375	54.5	1461	17.5	324						
8.625	32	11645	9.875	860	TOC @ 160					
5.5	20	21955	7.875	1401						
24. LINER RECORD				25. TUBING RECORD						
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET			
26. Perforation record (interval, size, and number) 11957 - 21857, total 984 holes				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 11957-21857 Acidize and frac in 50 stages. 23727500 # PROP						
28. PRODUCTION										
Date First Production 3/25/21		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing				
Date of Test 4/20/21	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 939	Gas - MCF 5497	Water - Bbl. 3797	Gas - Oil Ratio 5854.100106			
Flow Tubing Press. 12 psi	Casing Pressure 3387 psi	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold						30. Test Witnessed By				
31. List Attachments Directional Survey										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.										
33. If an on-site burial was used at the well, report the exact location of the on-site burial:										
		Latitude		Longitude		NAD 1927 1983				
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Signature 		Printed Name		Chelsey Green		Title Regulatory Specialist Date 6/7/2021				
E-mail Address		chelsey.green@dv.com								

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

[illegible]

No. 1, from..... N/Ato..... N/A
 No. 2, from..... N/Ato..... N/A
 No. 3, from..... N/Ato..... N/A
 No. 4, from..... N/Ato..... N/A

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

From	To	Thickness In Feet	Lithology

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 30836

ACKNOWLEDGMENTS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 30836
	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
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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 30836

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 30836
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	8/5/2021