

☐ AMENDED REPORT

District I1625 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 30-015-46572		² Pool Code 98220		³ Pool Name PURPLE SAGE; WOLFCAMP (GAS)	
⁴ Property Code 326778		⁵ Property Name PAPAS FRITAS 27-22 FED COM			⁶ Well Number 711H
⁷ OGRID No. 6137		⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.			⁹ Elevation 3019.8'

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	34	23-S	29-E		102	NORTH	968	WEST	EDDY

¹¹Bottom 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
D	22	23-S	29-E		101	NORTH	934	WEST	EDDY

¹² Dedicated Acres 640	¹³ Joint or Infill INFILL	¹⁴ Consolidation Code NSL-7915-0	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.

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**PAPAS FRITAS
27-22 FED COM 711H**
ELEV: 3019.8'
LAT: 32.268311°
LON: 103.978056°
N: 461526.41
E: 651147.73

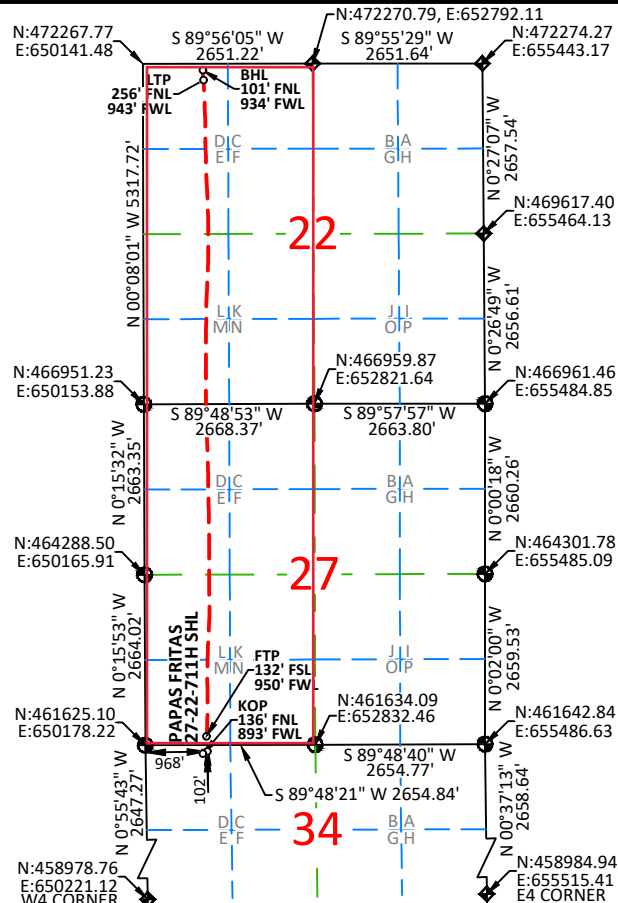
KICK OFF POINT
LAT: 32.268216°
LON: 103.978297°
N: 461491.68
E: 651073.28

FIRST TAKE POINT
LAT: 32.268954°
LON: 103.978117°
N: 461760.01
E: 651128.03

LAST TAKE POINT
LAT: 32.297136°
LON: 103.978147°
N: 472012.50
E: 651084.75

BOTTOM HOLE LOCATION
LAT: 32.297563°
LON: 103.978176°
N: 472167.77
E: 651075.26

3" USGLO BRASS CAP
ON 2.5" IRON PIPE
2" USGLO BRASS CAP
ON 2" IRON PIPE

**NOTES:**

- BEARINGS SHOWN ARE GRID BASED ON THE NEW MEXICO STATE PLANE EAST ZONE COORDINATE SYSTEM (3001), NAD 83 (2011), BASED FROM GPS OBSERVATIONS, OCCUPYING A WHS CONTROL POINT (5/8" REBAR), LOCATED AT NORTH: 456034.443, EAST: 653560.641, ELEVATION: 3101.373, DETERMINED BY AN OPUS SOLUTION ON NOVEMBER 9TH, 2018. ELEVATIONS ARE OF NAVD 88 COMPUTED USING GEIOD 12B.
- DISTANCES DEPICTED HEREON ARE REPORTED AS GROUND DISTANCE IN US SURVEY FEET USING A COMBINED SCALE FACTOR OF 1.000220979
- DRILL PATH INFORMATION HAS BEEN PROVIDED TO WHS BY THE CLIENT.

¹⁷OPERATOR 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 10/13/20
Signature Date

CHELSEY GREEN

Printed Name

chelsey.green@dvn.com

E-mail Address

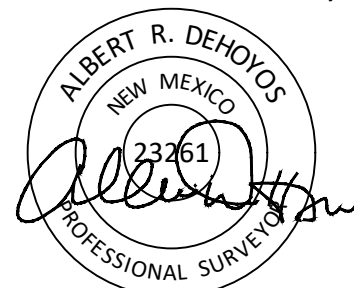
¹⁸SURVEYOR CERTIFICATION

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.

10/06/2020

Date of Survey

Signature and Seal of Professional Surveyor:



Certificate No. 23261

Albert Dehoyos

Drawn by: TMW

Checked by: ARD

Date: 10/07/2020

Intent ☐ As Drilled ☒

API # 30-015-46572		
Operator Name: DEVON ENERGY PRODUCTION COMPANY, L.P.	Property Name: PAPAS FRITAS 27-22 FED COM	Well Number 711H

Kick Off Point (KOP)

UL D	Section 34	Township 23-S	Range 29-E	Lot	Feet 136	From N/S NORTH	Feet 893	From E/W WEST	County EDDY
Latitude 32.268216°					Longitude 103.978297°			NAD 83	

First Take Point (FTP)

UL M	Section 27	Township 23-S	Range 29-E	Lot	Feet 132	From N/S SOUTH	Feet 950	From E/W WEST	County EDDY
Latitude 32.268954°					Longitude 103.978117°			NAD 83	

Last Take Point (LTP)

UL D	Section 22	Township 23-S	Range 29-E	Lot	Feet 256	From N/S NORTH	Feet 943	From E/W WEST	County EDDY
Latitude 32.297136°					Longitude 103.978147°			NAD 83	

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

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

API # 30-015-46573		
Operator Name: DEVON ENERGY PRODUCTION CO, LP	Property Name: PAPAS FRITAS 27-22 FED COM	Well Number 621H

KZ 06/29/2018

STATE OF NEW MEXICO
COUNTY OF EDDY

I, **Seth Crawley**, certify that; I am employed by **Skyline Directional Drilling, LLC**; that I did on the day(s) of **2/7/2020 to 2/12/2020 and from 3/14/2020 to 3/27/2020** conduct or supervise the taking of MWD surveys from a depth of **201 feet to a depth of 20,830 feet**; that the data is true, correct, complete and within the limitations of the tool as set forth by **Skyline Directional Drilling, LLC**; that I am authorized and qualified to make this report; that this survey was conducted at the request of **Devon Energy Production Co.** for the **Papas Fritas 27-22 Fed Com 711H**, with the **API # 30-015-46572** in the **Purple Sage/Wolcamp** field of **Eddy County, New Mexico**; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by **Skyline Directional Drilling, LLC**.

A handwritten signature in cursive script that reads 'Seth Crawley'.

Seth Crawley
Senior Well Planner



Devon Energy Production Company, L.P.

**Eddy Co, New Mexico (NAD-83)
Sec 22-23S-29E (PapasFritas)
Papas Fritas 27-22 Fed Com 711H**

Lateral #1

Design: As Drilled

Standard Survey Report

20 July, 2020





Skyline Directional Survey Report



Company:	Devon Energy Production Company, L.P.	Local Co-ordinate Reference:	Well Papas Fritas 27-22 Fed Com 711H
Project:	Eddy Co, New Mexico (NAD-83)	TVD Reference:	Rig KB @ 3052.0usft (Cactus 129)
Site:	Sec 22-23S-29E (PapasFritas)	MD Reference:	Rig KB @ 3052.0usft (Cactus 129)
Well:	Papas Fritas 27-22 Fed Com 711H	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Compass_DSN

Project	Eddy Co, New Mexico (NAD-83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Sec 22-23S-29E (PapasFritas)		
Site Position:		Northing:	461,526.41 usft
From:	Map	Easting:	651,147.73 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 16' 5.920 N
		Longitude:	103° 58' 41.000 W

Well	Papas Fritas 27-22 Fed Com 711H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
Grid Convergence:	0.19 °	Ground Level:	3,022.0 usft

Wellbore	Lateral #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	1/7/2020	6.87	60.01	47,661.49122872

Design	As Drilled				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	0.00	

Survey Program	Date	7/20/2020			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
201.0	20,830.0	Survey #1 (Lateral #1)	MWD	MWD - Skyline	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
201.0	1.41	146.06	201.0	-2.1	1.4	-2.1	0.70	0.70	0.00	
296.0	1.10	169.97	296.0	-3.9	2.2	-3.9	0.63	-0.33	25.17	
381.0	1.14	178.40	380.9	-5.6	2.4	-5.6	0.20	0.05	9.92	
520.0	1.01	187.90	519.9	-8.2	2.2	-8.2	0.16	-0.09	6.83	
614.0	1.36	4.12	613.9	-7.9	2.2	-7.9	2.52	0.37	187.47	
710.0	3.65	357.09	709.8	-3.7	2.1	-3.7	2.40	2.39	-7.32	
804.0	4.00	352.25	803.6	2.6	1.5	2.6	0.51	0.37	-5.15	
899.0	3.91	352.52	898.4	9.0	0.7	9.0	0.10	-0.09	0.28	
995.0	4.13	351.81	994.1	15.7	-0.3	15.7	0.23	0.23	-0.74	



Skyline Directional Survey Report



Company:	Devon Energy Production Company, L.P.	Local Co-ordinate Reference:	Well Papas Fritas 27-22 Fed Com 711H
Project:	Eddy Co, New Mexico (NAD-83)	TVD Reference:	Rig KB @ 3052.0usft (Cactus 129)
Site:	Sec 22-23S-29E (PapasFritas)	MD Reference:	Rig KB @ 3052.0usft (Cactus 129)
Well:	Papas Fritas 27-22 Fed Com 711H	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Compass_DSN

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)
1,089.0	4.48	352.25	1,087.9	22.7	-1.2	22.7	0.37	0.37	0.47
1,184.0	3.60	340.12	1,182.6	29.2	-2.8	29.2	1.29	-0.93	-12.77
1,279.0	3.60	329.22	1,277.5	34.6	-5.3	34.6	0.72	0.00	-11.47
1,374.0	2.46	311.21	1,372.3	38.5	-8.4	38.5	1.55	-1.20	-18.96
1,470.0	0.84	314.11	1,468.3	40.3	-10.4	40.3	1.69	-1.69	3.02
1,565.0	0.84	338.63	1,563.3	41.4	-11.2	41.4	0.38	0.00	25.81
1,660.0	1.54	187.19	1,658.3	40.8	-11.6	40.8	2.43	0.74	-159.41
1,755.0	2.07	184.82	1,753.2	37.8	-11.9	37.8	0.56	0.56	-2.49
1,850.0	1.93	193.08	1,848.2	34.6	-12.4	34.6	0.34	-0.15	8.69
1,945.0	1.98	190.27	1,943.1	31.4	-13.0	31.4	0.11	0.05	-2.96
2,040.0	1.89	195.98	2,038.0	28.3	-13.8	28.3	0.22	-0.09	6.01
2,135.0	0.66	122.77	2,133.0	26.5	-13.7	26.5	1.91	-1.29	-77.06
2,231.0	0.88	82.69	2,229.0	26.3	-12.5	26.3	0.59	0.23	-41.75
2,326.0	1.27	99.57	2,324.0	26.2	-10.8	26.2	0.52	0.41	17.77
2,422.0	2.15	118.37	2,420.0	25.2	-8.1	25.2	1.08	0.92	19.58
2,517.0	2.29	121.36	2,514.9	23.3	-5.0	23.3	0.19	0.15	3.15
2,612.0	2.73	125.05	2,609.8	21.0	-1.5	21.0	0.49	0.46	3.88
2,707.0	3.25	138.85	2,704.7	17.7	2.1	17.7	0.93	0.55	14.53
2,802.0	4.00	147.38	2,799.5	12.9	5.7	12.9	0.97	0.79	8.98
2,898.0	4.26	146.76	2,895.2	7.1	9.5	7.1	0.27	0.27	-0.65
2,993.0	2.37	138.68	2,990.1	2.7	12.7	2.7	2.04	-1.99	-8.51
3,089.0	0.53	66.08	3,086.0	1.4	14.4	1.4	2.36	-1.92	-75.63
3,184.0	0.57	5.96	3,181.0	2.0	14.9	2.0	0.58	0.04	-63.28
3,280.0	0.44	16.69	3,277.0	2.8	15.0	2.8	0.17	-0.14	11.18
3,375.0	0.66	5.52	3,372.0	3.7	15.2	3.7	0.26	0.23	-11.76
3,471.0	0.62	359.20	3,468.0	4.8	15.2	4.8	0.08	-0.04	-6.58
3,566.0	0.62	5.35	3,563.0	5.8	15.3	5.8	0.07	0.00	6.47
3,662.0	0.53	304.97	3,659.0	6.6	14.9	6.6	0.61	-0.09	-62.90
3,757.0	0.66	297.94	3,754.0	7.1	14.1	7.1	0.16	0.14	-7.40
3,853.0	0.88	297.23	3,850.0	7.7	13.0	7.7	0.23	0.23	-0.74
3,948.0	0.84	276.05	3,945.0	8.1	11.6	8.1	0.34	-0.04	-22.29
4,044.0	0.70	272.89	4,041.0	8.2	10.3	8.2	0.15	-0.15	-3.29
4,139.0	0.62	278.69	4,136.0	8.3	9.2	8.3	0.11	-0.08	6.11
4,234.0	0.48	275.87	4,231.0	8.4	8.3	8.4	0.15	-0.15	-2.97
4,329.0	0.31	274.91	4,326.0	8.5	7.7	8.5	0.18	-0.18	-1.01
4,425.0	0.35	280.88	4,422.0	8.6	7.1	8.6	0.05	0.04	6.22
4,520.0	0.22	296.62	4,517.0	8.7	6.7	8.7	0.16	-0.14	16.57
4,615.0	0.13	292.75	4,612.0	8.8	6.4	8.8	0.10	-0.09	-4.07
4,709.0	0.26	254.25	4,706.0	8.8	6.1	8.8	0.19	0.14	-40.96
4,805.0	0.35	283.26	4,802.0	8.8	5.6	8.8	0.18	0.09	30.22
4,900.0	0.53	266.29	4,897.0	8.9	4.9	8.9	0.23	0.19	-17.86
4,996.0	0.66	263.66	4,992.9	8.8	3.9	8.8	0.14	0.14	-2.74
5,091.0	0.70	246.43	5,087.9	8.5	2.8	8.5	0.22	0.04	-18.14



Skyline Directional Survey Report



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Site:	Sec 22-23S-29E (PapasFritas)	MD Reference:	Rig KB @ 3052.0usft (Cactus 129)
Well:	Papas Fritas 27-22 Fed Com 711H	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Compass_DSN

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)
5,187.0	0.97	245.73	5,183.9	7.9	1.6	7.9	0.28	0.28	-0.73
5,282.0	0.70	224.37	5,278.9	7.2	0.4	7.2	0.43	-0.28	-22.48
5,378.0	0.70	224.20	5,374.9	6.3	-0.4	6.3	0.00	0.00	-0.18
5,474.0	0.66	209.52	5,470.9	5.4	-1.1	5.4	0.19	-0.04	-15.29
5,569.0	0.48	160.65	5,565.9	4.6	-1.2	4.6	0.53	-0.19	-51.44
5,665.0	0.66	149.84	5,661.9	3.7	-0.8	3.7	0.22	0.19	-11.26
5,760.0	0.53	170.05	5,756.9	2.8	-0.5	2.8	0.26	-0.14	21.27
5,856.0	0.57	171.90	5,852.9	1.9	-0.3	1.9	0.05	0.04	1.93
5,951.0	0.66	175.06	5,947.9	0.9	-0.2	0.9	0.10	0.09	3.33
6,046.0	0.57	185.52	6,042.9	-0.1	-0.2	-0.1	0.15	-0.09	11.01
6,141.0	0.70	189.74	6,137.9	-1.2	-0.3	-1.2	0.15	0.14	4.44
6,237.0	0.70	164.69	6,233.9	-2.3	-0.3	-2.3	0.32	0.00	-26.09
6,333.0	0.75	156.78	6,329.9	-3.5	0.1	-3.5	0.12	0.05	-8.24
6,428.0	0.84	163.81	6,424.8	-4.7	0.6	-4.7	0.14	0.09	7.40
6,523.0	0.79	174.89	6,519.8	-6.0	0.8	-6.0	0.17	-0.05	11.66
6,619.0	0.97	175.15	6,615.8	-7.5	0.9	-7.5	0.19	0.19	0.27
6,714.0	1.23	186.49	6,710.8	-9.3	0.9	-9.3	0.36	0.27	11.94
6,810.0	1.67	220.50	6,806.8	-11.4	-0.1	-11.4	0.99	0.46	35.43
6,905.0	1.45	99.57	6,901.8	-12.6	0.2	-12.6	2.86	-0.23	-127.29
7,000.0	1.36	200.03	6,996.7	-13.9	1.0	-13.9	2.27	-0.09	105.75
7,095.0	1.27	207.50	7,091.7	-15.9	0.1	-15.9	0.20	-0.09	7.86
7,191.0	0.97	267.53	7,187.7	-16.9	-1.2	-16.9	1.20	-0.31	62.53
7,286.0	1.63	309.71	7,282.7	-16.0	-3.1	-16.0	1.18	0.69	44.40
7,381.0	1.63	303.03	7,377.6	-14.4	-5.2	-14.4	0.20	0.00	-7.03
7,477.0	1.58	278.95	7,473.6	-13.5	-7.7	-13.5	0.70	-0.05	-25.08
7,571.0	2.11	268.84	7,567.6	-13.3	-10.7	-13.3	0.66	0.56	-10.76
7,667.0	2.37	244.41	7,663.5	-14.2	-14.3	-14.2	1.02	0.27	-25.45
7,762.0	2.37	228.24	7,758.4	-16.4	-17.5	-16.4	0.70	0.00	-17.02
7,859.0	2.29	229.29	7,855.3	-19.0	-20.5	-19.0	0.09	-0.08	1.08
7,955.0	2.24	232.11	7,951.2	-21.4	-23.4	-21.4	0.13	-0.05	2.94
8,051.0	2.11	227.10	8,047.2	-23.7	-26.2	-23.7	0.24	-0.14	-5.22
8,146.0	1.98	228.85	8,142.1	-26.0	-28.7	-26.0	0.15	-0.14	1.84
8,241.0	2.15	251.88	8,237.1	-27.6	-31.6	-27.6	0.89	0.18	24.24
8,337.0	2.42	249.24	8,333.0	-28.9	-35.2	-28.9	0.30	0.28	-2.75
8,433.0	2.99	247.66	8,428.9	-30.6	-39.4	-30.6	0.60	0.59	-1.65
8,528.0	2.90	237.20	8,523.8	-32.8	-43.7	-32.8	0.57	-0.09	-11.01
8,624.0	1.98	248.72	8,619.7	-34.8	-47.3	-34.8	1.08	-0.96	12.00
8,719.0	1.93	252.06	8,714.6	-35.8	-50.4	-35.8	0.13	-0.05	3.52
8,815.0	2.20	251.09	8,810.5	-36.9	-53.7	-36.9	0.28	0.28	-1.01
8,911.0	1.32	268.76	8,906.5	-37.6	-56.5	-37.6	1.07	-0.92	18.41
9,006.0	1.45	288.09	9,001.5	-37.2	-58.7	-37.2	0.51	0.14	20.35
9,102.0	1.49	288.27	9,097.4	-36.4	-61.1	-36.4	0.04	0.04	0.19
9,197.0	1.93	282.99	9,192.4	-35.7	-63.8	-35.7	0.49	0.46	-5.56



Skyline Directional Survey Report



Company:	Devon Energy Production Company, L.P.	Local Co-ordinate Reference:	Well Papas Fritas 27-22 Fed Com 711H
Project:	Eddy Co, New Mexico (NAD-83)	TVD Reference:	Rig KB @ 3052.0usft (Cactus 129)
Site:	Sec 22-23S-29E (PapasFritas)	MD Reference:	Rig KB @ 3052.0usft (Cactus 129)
Well:	Papas Fritas 27-22 Fed Com 711H	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Compass_DSN

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)
9,292.0	1.89	287.39	9,287.3	-34.9	-66.9	-34.9	0.16	-0.04	4.63
9,388.0	1.93	273.19	9,383.3	-34.3	-70.0	-34.3	0.49	0.04	-14.79
9,483.0	2.46	259.88	9,478.2	-34.6	-73.6	-34.6	0.77	0.56	-14.01
9,579.0	2.24	258.56	9,574.1	-35.3	-77.5	-35.3	0.24	-0.23	-1.38
9,675.0	2.24	252.23	9,670.1	-36.2	-81.1	-36.2	0.26	0.00	-6.59
9,693.0	2.15	249.51	9,688.1	-36.5	-81.7	-36.5	0.76	-0.50	-15.11
9,771.0	1.89	242.83	9,766.0	-37.6	-84.3	-37.6	0.45	-0.33	-8.56
9,866.0	5.49	8.51	9,860.9	-33.8	-85.0	-33.8	7.12	3.79	132.29
9,961.0	22.51	14.31	9,952.7	-11.5	-79.8	-11.5	17.95	17.92	6.11
10,057.0	32.97	16.25	10,037.6	31.5	-67.9	31.5	10.94	10.90	2.02
10,152.0	41.67	15.63	10,113.0	86.8	-52.1	86.8	9.17	9.16	-0.65
10,174.8	44.20	14.86	10,129.7	101.8	-48.0	101.8	11.35	11.12	-3.37
Cross Section: 921' FWL									
10,247.0	52.26	12.82	10,177.8	154.1	-35.2	154.1	11.35	11.16	-2.83
10,306.2	59.00	10.67	10,211.2	201.9	-25.3	201.9	11.78	11.39	-3.64
Cross 100' FSL: 10306' MD 944' FWL; 10211' TVD									
10,343.0	63.21	9.48	10,229.0	233.6	-19.7	233.6	11.78	11.43	-3.23
10,437.0	70.95	5.00	10,265.6	319.4	-8.9	319.4	9.33	8.23	-4.77
10,533.0	83.47	2.27	10,286.8	412.6	-3.0	412.6	13.33	13.04	-2.84
10,628.0	87.56	0.69	10,294.2	507.3	-0.6	507.3	4.61	4.31	-1.66
10,724.0	88.79	0.69	10,297.3	603.2	0.6	603.2	1.28	1.28	0.00
10,819.0	88.88	0.78	10,299.2	698.2	1.8	698.2	0.13	0.09	0.09
10,914.0	88.22	359.99	10,301.6	793.2	2.4	793.2	1.08	-0.69	-0.83
11,010.0	87.21	359.28	10,305.4	889.1	1.8	889.1	1.29	-1.05	-0.74
11,105.0	86.46	359.20	10,310.7	983.9	0.6	983.9	0.79	-0.79	-0.08
11,200.0	87.03	358.40	10,316.1	1,078.8	-1.4	1,078.8	1.03	0.60	-0.84
11,296.0	88.00	0.16	10,320.2	1,174.7	-2.6	1,174.7	2.09	1.01	1.83
11,392.0	90.29	1.92	10,321.7	1,270.6	-0.9	1,270.6	3.01	2.39	1.83
11,487.0	90.33	0.86	10,321.2	1,365.6	1.4	1,365.6	1.12	0.04	-1.12
11,583.0	90.46	1.39	10,320.5	1,461.6	3.3	1,461.6	0.57	0.14	0.55
11,678.0	90.64	1.83	10,319.6	1,556.5	6.0	1,556.5	0.50	0.19	0.46
11,774.0	90.90	2.27	10,318.3	1,652.5	9.4	1,652.5	0.53	0.27	0.46
11,869.0	91.08	2.45	10,316.6	1,747.4	13.3	1,747.4	0.27	0.19	0.19
11,964.0	91.25	3.24	10,314.7	1,842.2	18.0	1,842.2	0.85	0.18	0.83
12,060.0	89.36	2.97	10,314.2	1,938.1	23.2	1,938.1	1.99	-1.97	-0.28
12,155.0	88.66	2.45	10,315.8	2,033.0	27.7	2,033.0	0.92	-0.74	-0.55
12,251.0	89.05	1.39	10,317.8	2,128.9	30.9	2,128.9	1.18	0.41	-1.10
12,346.0	89.49	359.81	10,319.0	2,223.9	31.9	2,223.9	1.73	0.46	-1.66
12,442.0	89.41	359.55	10,319.9	2,319.9	31.4	2,319.9	0.28	-0.08	-0.27
12,537.0	89.23	358.93	10,321.0	2,414.9	30.1	2,414.9	0.68	-0.19	-0.65
12,633.0	88.70	358.23	10,322.8	2,510.8	27.8	2,510.8	0.91	-0.55	-0.73
12,728.0	90.46	0.43	10,323.5	2,605.8	26.6	2,605.8	2.97	1.85	2.32
12,823.0	90.07	359.99	10,323.0	2,700.8	27.0	2,700.8	0.62	-0.41	-0.46
12,918.0	91.38	359.81	10,321.8	2,795.8	26.8	2,795.8	1.39	1.38	-0.19



Skyline Directional Survey Report



Company:	Devon Energy Production Company, L.P.	Local Co-ordinate Reference:	Well Papas Fritas 27-22 Fed Com 711H
Project:	Eddy Co, New Mexico (NAD-83)	TVD Reference:	Rig KB @ 3052.0usft (Cactus 129)
Site:	Sec 22-23S-29E (PapasFritas)	MD Reference:	Rig KB @ 3052.0usft (Cactus 129)
Well:	Papas Fritas 27-22 Fed Com 711H	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Compass_DSN

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)	
13,014.0	92.18	0.51	10,318.8	2,891.7	27.1	2,891.7	1.11	0.83	0.73	
13,109.0	92.53	0.60	10,314.9	2,986.6	28.0	2,986.6	0.38	0.37	0.09	
13,205.0	91.08	359.37	10,311.9	3,082.6	28.0	3,082.6	1.98	-1.51	-1.28	
13,300.0	91.74	0.25	10,309.6	3,177.6	27.7	3,177.6	1.16	0.69	0.93	
13,396.0	90.02	359.99	10,308.1	3,273.5	27.9	3,273.5	1.81	-1.79	-0.27	
13,491.0	89.45	359.63	10,308.5	3,368.5	27.6	3,368.5	0.71	-0.60	-0.38	
13,586.0	87.56	359.46	10,311.0	3,463.5	26.8	3,463.5	2.00	-1.99	-0.18	
13,682.0	87.91	357.88	10,314.8	3,559.4	24.6	3,559.4	1.68	0.36	-1.65	
13,777.0	89.71	359.11	10,316.8	3,654.3	22.1	3,654.3	2.29	1.89	1.29	
13,873.0	89.36	359.02	10,317.6	3,750.3	20.5	3,750.3	0.38	-0.36	-0.09	
13,968.0	88.84	358.40	10,319.0	3,845.3	18.4	3,845.3	0.85	-0.55	-0.65	
14,064.0	90.02	359.72	10,320.0	3,941.3	16.8	3,941.3	1.84	1.23	1.38	
14,159.0	91.65	359.46	10,318.6	4,036.3	16.1	4,036.3	1.74	1.72	-0.27	
14,255.0	92.18	358.84	10,315.4	4,132.2	14.7	4,132.2	0.85	0.55	-0.65	
14,351.0	91.87	359.20	10,312.0	4,228.1	13.1	4,228.1	0.49	-0.32	0.38	
14,446.0	91.43	358.58	10,309.3	4,323.1	11.2	4,323.1	0.80	-0.46	-0.65	
14,542.0	90.64	358.67	10,307.5	4,419.0	8.9	4,419.0	0.83	-0.82	0.09	
14,637.0	90.24	358.49	10,306.8	4,514.0	6.6	4,514.0	0.46	-0.42	-0.19	
14,732.0	90.11	357.96	10,306.5	4,608.9	3.6	4,608.9	0.57	-0.14	-0.56	
14,828.0	89.23	357.88	10,307.1	4,704.9	0.1	4,704.9	0.92	-0.92	-0.08	
14,924.0	88.62	357.79	10,308.9	4,800.8	-3.5	4,800.8	0.64	-0.64	-0.09	
15,019.0	89.23	358.14	10,310.7	4,895.7	-6.9	4,895.7	0.74	0.64	0.37	
15,115.0	90.55	358.67	10,310.8	4,991.7	-9.5	4,991.7	1.48	1.38	0.55	
15,211.0	90.86	359.28	10,309.7	5,087.6	-11.3	5,087.6	0.71	0.32	0.64	
15,306.0	90.77	358.58	10,308.3	5,182.6	-13.0	5,182.6	0.74	-0.09	-0.74	
15,402.0	90.55	358.67	10,307.2	5,278.6	-15.3	5,278.6	0.25	-0.23	0.09	
15,497.0	90.24	359.02	10,306.6	5,373.6	-17.2	5,373.6	0.49	-0.33	0.37	
15,551.5	89.33	358.11	10,306.8	5,428.0	-18.6	5,428.0	2.35	-1.66	-1.66	
Cross Section 27 to 22: 15551' MD, 975' FWL										
15,592.0	88.66	357.44	10,307.5	5,468.5	-20.2	5,468.5	2.35	-1.66	-1.66	
15,688.0	89.49	359.02	10,309.0	5,564.4	-23.1	5,564.4	1.86	0.86	1.65	
15,783.0	89.27	359.46	10,310.0	5,659.4	-24.4	5,659.4	0.52	-0.23	0.46	
15,878.0	89.76	359.72	10,310.8	5,754.4	-25.1	5,754.4	0.58	0.52	0.27	
15,974.0	90.46	1.04	10,310.7	5,850.4	-24.4	5,850.4	1.56	0.73	1.38	
16,070.0	90.07	359.99	10,310.2	5,946.4	-23.6	5,946.4	1.17	-0.41	-1.09	
16,165.0	90.24	359.72	10,310.0	6,041.4	-23.8	6,041.4	0.34	0.18	-0.28	
16,261.0	90.81	0.51	10,309.1	6,137.4	-23.6	6,137.4	1.01	0.59	0.82	
16,356.0	91.16	0.43	10,307.5	6,232.4	-22.9	6,232.4	0.38	0.37	-0.08	
16,452.0	91.38	0.25	10,305.3	6,328.4	-22.3	6,328.4	0.30	0.23	-0.19	
16,547.0	91.43	359.99	10,303.0	6,423.3	-22.1	6,423.3	0.28	0.05	-0.27	
16,643.0	90.15	0.69	10,301.7	6,519.3	-21.5	6,519.3	1.52	-1.33	0.73	
16,738.0	89.71	1.22	10,301.8	6,614.3	-19.9	6,614.3	0.73	-0.46	0.56	
16,834.0	89.10	0.51	10,302.8	6,710.3	-18.5	6,710.3	0.98	-0.64	-0.74	



Skyline Directional Survey Report



Company:	Devon Energy Production Company, L.P.	Local Co-ordinate Reference:	Well Papas Fritas 27-22 Fed Com 711H
Project:	Eddy Co, New Mexico (NAD-83)	TVD Reference:	Rig KB @ 3052.0usft (Cactus 129)
Site:	Sec 22-23S-29E (PapasFritas)	MD Reference:	Rig KB @ 3052.0usft (Cactus 129)
Well:	Papas Fritas 27-22 Fed Com 711H	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Compass_DSN

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)	
16,929.0	87.30	0.16	10,305.8	6,805.2	-17.9	6,805.2	1.93	-1.89	-0.37	
17,024.0	89.41	1.04	10,308.5	6,900.2	-16.9	6,900.2	2.41	2.22	0.93	
17,120.0	89.98	1.13	10,309.0	6,996.2	-15.1	6,996.2	0.60	0.59	0.09	
17,216.0	91.08	2.71	10,308.1	7,092.1	-11.9	7,092.1	2.01	1.15	1.65	
17,311.0	90.81	2.80	10,306.5	7,187.0	-7.3	7,187.0	0.30	-0.28	0.09	
17,407.0	90.77	2.10	10,305.2	7,282.9	-3.2	7,282.9	0.73	-0.04	-0.73	
17,502.0	91.08	2.89	10,303.7	7,377.8	0.9	7,377.8	0.89	0.33	0.83	
17,598.0	91.08	2.10	10,301.9	7,473.7	5.1	7,473.7	0.82	0.00	-0.82	
17,693.0	89.67	1.92	10,301.3	7,568.6	8.4	7,568.6	1.50	-1.48	-0.19	
17,788.0	90.24	0.86	10,301.3	7,663.6	10.7	7,663.6	1.27	0.60	-1.12	
17,883.0	88.92	359.81	10,302.0	7,758.6	11.3	7,758.6	1.78	-1.39	-1.11	
17,979.0	88.70	359.46	10,304.0	7,854.5	10.7	7,854.5	0.43	-0.23	-0.36	
18,074.0	89.76	0.34	10,305.3	7,949.5	10.5	7,949.5	1.45	1.12	0.93	
18,170.0	89.80	359.90	10,305.7	8,045.5	10.7	8,045.5	0.46	0.04	-0.46	
18,265.0	89.71	359.99	10,306.1	8,140.5	10.6	8,140.5	0.13	-0.09	0.09	
18,360.0	89.36	0.25	10,306.8	8,235.5	10.8	8,235.5	0.46	-0.37	0.27	
18,455.0	87.47	359.02	10,309.5	8,330.5	10.2	8,330.5	2.37	-1.99	-1.29	
18,551.0	87.34	358.58	10,313.8	8,426.4	8.2	8,426.4	0.48	-0.14	-0.46	
18,646.0	90.11	359.20	10,315.9	8,521.3	6.4	8,521.3	2.99	2.92	0.65	
18,741.0	91.12	357.96	10,314.9	8,616.3	4.0	8,616.3	1.68	1.06	-1.31	
18,836.0	90.07	357.17	10,313.9	8,711.2	0.0	8,711.2	1.38	-1.11	-0.83	
18,932.0	89.10	356.38	10,314.6	8,807.0	-5.4	8,807.0	1.30	-1.01	-0.82	
19,027.0	89.71	357.35	10,315.6	8,901.9	-10.6	8,901.9	1.21	0.64	1.02	
19,123.0	89.63	357.53	10,316.2	8,997.8	-14.9	8,997.8	0.21	-0.08	0.19	
19,219.0	90.37	358.58	10,316.2	9,093.7	-18.2	9,093.7	1.34	0.77	1.09	
19,315.0	90.59	358.67	10,315.4	9,189.7	-20.5	9,189.7	0.25	0.23	0.09	
19,410.0	89.63	358.05	10,315.2	9,284.7	-23.2	9,284.7	1.20	-1.01	-0.65	
19,505.0	88.84	357.70	10,316.4	9,379.6	-26.7	9,379.6	0.91	-0.83	-0.37	
19,601.0	89.85	358.32	10,317.5	9,475.5	-30.1	9,475.5	1.23	1.05	0.65	
19,696.0	89.93	358.67	10,317.7	9,570.5	-32.5	9,570.5	0.38	0.08	0.37	
19,791.0	90.02	0.34	10,317.8	9,665.5	-33.4	9,665.5	1.76	0.09	1.76	
19,886.0	89.10	359.46	10,318.5	9,760.5	-33.5	9,760.5	1.34	-0.97	-0.93	
19,982.0	88.18	359.11	10,320.8	9,856.4	-34.7	9,856.4	1.03	-0.96	-0.36	
20,077.0	90.24	358.40	10,322.1	9,951.4	-36.8	9,951.4	2.29	2.17	-0.75	
20,172.0	90.73	357.61	10,321.3	10,046.3	-40.1	10,046.3	0.98	0.52	-0.83	
20,268.0	90.02	357.00	10,320.7	10,142.2	-44.6	10,142.2	0.98	-0.74	-0.64	
20,364.0	89.01	357.26	10,321.5	10,238.1	-49.4	10,238.1	1.09	-1.05	0.27	
20,459.0	89.54	356.65	10,322.7	10,333.0	-54.5	10,333.0	0.85	0.56	-0.64	
20,555.0	89.05	357.09	10,323.8	10,428.8	-59.7	10,428.8	0.69	-0.51	0.46	
20,650.0	88.88	356.38	10,325.6	10,523.6	-65.1	10,523.6	0.77	-0.18	-0.75	
20,730.0	88.33	356.46	10,327.5	10,603.5	-70.1	10,603.5	0.69	-0.69	0.09	
Cross 100' FNL HL: 20730' MD, 933' FWL										
20,746.0	88.22	356.47	10,328.0	10,619.4	-71.1	10,619.4	0.69	-0.69	0.09	
20,768.0	88.09	356.38	10,328.7	10,641.4	-72.5	10,641.4	0.72	-0.59	-0.41	



Skyline Directional Survey Report



Company:	Devon Energy Production Company, L.P.	Local Co-ordinate Reference:	Well Papas Fritas 27-22 Fed Com 711H
Project:	Eddy Co, New Mexico (NAD-83)	TVD Reference:	Rig KB @ 3052.0usft (Cactus 129)
Site:	Sec 22-23S-29E (PapasFritas)	MD Reference:	Rig KB @ 3052.0usft (Cactus 129)
Well:	Papas Fritas 27-22 Fed Com 711H	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Compass_DSN

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)
20,830.0	88.09	356.38	10,330.8	10,703.2	-76.4	10,703.2	0.00	0.00	0.00
BHL (PTB): 20830' MD, 929' FWL, 39' FNL - PBHL - TD (P F 27-22 FC 711H)									

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
10,174.8	10,129.7	101.8	-48.0	Cross Section: 921' FWL	
10,306.2	10,211.2	201.9	-25.3	Cross 100' FSL: 10306' MD 944' FWL; 10211' TVD	
15,551.5	10,306.8	5,428.0	-18.6	Cross Section 27 to 22: 15551' MD, 975' FWL	
20,730.0	10,327.5	10,603.5	-70.1	Cross 100' FNL HL: 20730' MD, 933' FWL	
20,830.0	10,330.8	10,703.2	-76.4	BHL (PTB): 20830' MD, 929' FWL, 39' FNL	

Checked By: _____	Approved By: _____	Date: _____
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Devon Energy Production Company, L.P.

**Eddy Co, New Mexico (NAD-83)
Sec 22-23S-29E (PapasFritas)
Papas Fritas 27-22 Fed Com 711H**

Lateral #1

Design: As Drilled

Survey Report - Geographic

20 July, 2020





Skyline Directional Survey Report - Geographic



Company:	Devon Energy Production Company, L.P.	Local Co-ordinate Reference:	Well Papas Fritas 27-22 Fed Com 711H
Project:	Eddy Co, New Mexico (NAD-83)	TVD Reference:	Rig KB @ 3052.0usft (Cactus 129)
Site:	Sec 22-23S-29E (PapasFritas)	MD Reference:	Rig KB @ 3052.0usft (Cactus 129)
Well:	Papas Fritas 27-22 Fed Com 711H	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Compass_DSN

Project	Eddy Co, New Mexico (NAD-83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Sec 22-23S-29E (PapasFritas)		
Site Position:		Northing:	461,526.41 usft
From:	Map	Easting:	651,147.73 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 16' 5.920 N
		Longitude:	103° 58' 41.000 W
		Grid Convergence:	0.19 °

Well	Papas Fritas 27-22 Fed Com 711H		
Well Position	+N/-S	0.0 usft	Northing: 461,526.41 usft
	+E/-W	0.0 usft	Easting: 651,147.73 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Latitude:	32° 16' 5.920 N
		Longitude:	103° 58' 41.000 W
		Ground Level:	3,022.0 usft

Wellbore	Lateral #1		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	1/7/2020	6.87
			Dip Angle (°)
			60.01
			Field Strength (nT)
			47,661.49122872

Design	As Drilled		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.0	0.0	0.0
			Direction (°)
			0.00

Survey Program	Date	7/20/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
201.0	20,830.0	Survey #1 (Lateral #1)	MWD	MWD - Skyline

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	461,526.41	651,147.73	32° 16' 5.920 N	103° 58' 41.000 W
201.0	1.41	146.06	201.0	-2.1	1.4	461,524.36	651,149.12	32° 16' 5.900 N	103° 58' 40.984 W
296.0	1.10	169.97	296.0	-3.9	2.2	461,522.49	651,149.93	32° 16' 5.881 N	103° 58' 40.975 W
381.0	1.14	178.40	380.9	-5.6	2.4	461,520.84	651,150.09	32° 16' 5.865 N	103° 58' 40.973 W
520.0	1.01	187.90	519.9	-8.2	2.2	461,518.25	651,149.96	32° 16' 5.839 N	103° 58' 40.975 W
614.0	1.36	4.12	613.9	-7.9	2.2	461,518.54	651,149.93	32° 16' 5.842 N	103° 58' 40.975 W
710.0	3.65	357.09	709.8	-3.7	2.1	461,522.73	651,149.86	32° 16' 5.884 N	103° 58' 40.976 W
804.0	4.00	352.25	803.6	2.6	1.5	461,528.96	651,149.26	32° 16' 5.946 N	103° 58' 40.982 W
899.0	3.91	352.52	898.4	9.0	0.7	461,535.46	651,148.39	32° 16' 6.010 N	103° 58' 40.992 W
995.0	4.13	351.81	994.1	15.7	-0.3	461,542.13	651,147.47	32° 16' 6.076 N	103° 58' 41.003 W
1,089.0	4.48	352.25	1,087.9	22.7	-1.2	461,549.11	651,146.50	32° 16' 6.145 N	103° 58' 41.014 W
1,184.0	3.60	340.12	1,182.6	29.2	-2.8	461,555.60	651,144.98	32° 16' 6.209 N	103° 58' 41.031 W



Skyline Directional Survey Report - Geographic



Company:	Devon Energy Production Company, L.P.	Local Co-ordinate Reference:	Well Papas Fritas 27-22 Fed Com 711H
Project:	Eddy Co, New Mexico (NAD-83)	TVD Reference:	Rig KB @ 3052.0usft (Cactus 129)
Site:	Sec 22-23S-29E (PapasFritas)	MD Reference:	Rig KB @ 3052.0usft (Cactus 129)
Well:	Papas Fritas 27-22 Fed Com 711H	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Compass_DSN

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,279.0	3.60	329.22	1,277.5	34.6	-5.3	461,560.96	651,142.44	32° 16' 6.262 N	103° 58' 41.061 W
1,374.0	2.46	311.21	1,372.3	38.5	-8.4	461,564.87	651,139.38	32° 16' 6.301 N	103° 58' 41.096 W
1,470.0	0.84	314.11	1,468.3	40.3	-10.4	461,566.72	651,137.33	32° 16' 6.319 N	103° 58' 41.120 W
1,565.0	0.84	338.63	1,563.3	41.4	-11.2	461,567.85	651,136.57	32° 16' 6.331 N	103° 58' 41.129 W
1,660.0	1.54	187.19	1,658.3	40.8	-11.6	461,567.23	651,136.16	32° 16' 6.325 N	103° 58' 41.134 W
1,755.0	2.07	184.82	1,753.2	37.8	-11.9	461,564.25	651,135.86	32° 16' 6.295 N	103° 58' 41.137 W
1,850.0	1.93	193.08	1,848.2	34.6	-12.4	461,560.99	651,135.35	32° 16' 6.263 N	103° 58' 41.143 W
1,945.0	1.98	190.27	1,943.1	31.4	-13.0	461,557.81	651,134.69	32° 16' 6.231 N	103° 58' 41.151 W
2,040.0	1.89	195.98	2,038.0	28.3	-13.8	461,554.69	651,133.97	32° 16' 6.201 N	103° 58' 41.160 W
2,135.0	0.66	122.77	2,133.0	26.5	-13.7	461,552.89	651,134.00	32° 16' 6.183 N	103° 58' 41.159 W
2,231.0	0.88	82.69	2,229.0	26.3	-12.5	461,552.68	651,135.20	32° 16' 6.181 N	103° 58' 41.145 W
2,326.0	1.27	99.57	2,324.0	26.2	-10.8	461,552.60	651,136.96	32° 16' 6.180 N	103° 58' 41.125 W
2,422.0	2.15	118.37	2,420.0	25.2	-8.1	461,551.57	651,139.59	32° 16' 6.170 N	103° 58' 41.094 W
2,517.0	2.29	121.36	2,514.9	23.3	-5.0	461,549.74	651,142.78	32° 16' 6.151 N	103° 58' 41.057 W
2,612.0	2.73	125.05	2,609.8	21.0	-1.5	461,547.45	651,146.25	32° 16' 6.129 N	103° 58' 41.017 W
2,707.0	3.25	138.85	2,704.7	17.7	2.1	461,544.12	651,149.88	32° 16' 6.095 N	103° 58' 40.975 W
2,802.0	4.00	147.38	2,799.5	12.9	5.7	461,539.30	651,153.43	32° 16' 6.048 N	103° 58' 40.933 W
2,898.0	4.26	146.76	2,895.2	7.1	9.5	461,533.50	651,157.19	32° 16' 5.990 N	103° 58' 40.890 W
2,993.0	2.37	138.68	2,990.1	2.7	12.7	461,529.07	651,160.43	32° 16' 5.946 N	103° 58' 40.852 W
3,089.0	0.53	66.08	3,086.0	1.4	14.4	461,527.76	651,162.14	32° 16' 5.933 N	103° 58' 40.832 W
3,184.0	0.57	5.96	3,181.0	2.0	14.9	461,528.41	651,162.59	32° 16' 5.940 N	103° 58' 40.827 W
3,280.0	0.44	16.69	3,277.0	2.8	15.0	461,529.24	651,162.75	32° 16' 5.948 N	103° 58' 40.825 W
3,375.0	0.66	5.52	3,372.0	3.7	15.2	461,530.13	651,162.91	32° 16' 5.957 N	103° 58' 40.823 W
3,471.0	0.62	359.20	3,468.0	4.8	15.2	461,531.20	651,162.95	32° 16' 5.967 N	103° 58' 40.823 W
3,566.0	0.62	5.35	3,563.0	5.8	15.3	461,532.23	651,162.99	32° 16' 5.977 N	103° 58' 40.822 W
3,662.0	0.53	304.97	3,659.0	6.6	14.9	461,533.00	651,162.68	32° 16' 5.985 N	103° 58' 40.826 W
3,757.0	0.66	297.94	3,754.0	7.1	14.1	461,533.51	651,161.83	32° 16' 5.990 N	103° 58' 40.836 W
3,853.0	0.88	297.23	3,850.0	7.7	13.0	461,534.10	651,160.69	32° 16' 5.996 N	103° 58' 40.849 W
3,948.0	0.84	276.05	3,945.0	8.1	11.6	461,534.51	651,159.35	32° 16' 6.000 N	103° 58' 40.865 W
4,044.0	0.70	272.89	4,041.0	8.2	10.3	461,534.62	651,158.06	32° 16' 6.001 N	103° 58' 40.880 W
4,139.0	0.62	278.69	4,136.0	8.3	9.2	461,534.72	651,156.98	32° 16' 6.002 N	103° 58' 40.892 W
4,234.0	0.48	275.87	4,231.0	8.4	8.3	461,534.84	651,156.07	32° 16' 6.003 N	103° 58' 40.903 W
4,329.0	0.31	274.91	4,326.0	8.5	7.7	461,534.90	651,155.42	32° 16' 6.004 N	103° 58' 40.910 W
4,425.0	0.35	280.88	4,422.0	8.6	7.1	461,534.98	651,154.87	32° 16' 6.005 N	103° 58' 40.917 W
4,520.0	0.22	296.62	4,517.0	8.7	6.7	461,535.12	651,154.42	32° 16' 6.006 N	103° 58' 40.922 W
4,615.0	0.13	292.75	4,612.0	8.8	6.4	461,535.24	651,154.16	32° 16' 6.007 N	103° 58' 40.925 W
4,709.0	0.26	254.25	4,706.0	8.8	6.1	461,535.22	651,153.86	32° 16' 6.007 N	103° 58' 40.929 W
4,805.0	0.35	283.26	4,802.0	8.8	5.6	461,535.23	651,153.36	32° 16' 6.007 N	103° 58' 40.934 W
4,900.0	0.53	266.29	4,897.0	8.9	4.9	461,535.27	651,152.64	32° 16' 6.008 N	103° 58' 40.943 W
4,996.0	0.66	263.66	4,992.9	8.8	3.9	461,535.18	651,151.65	32° 16' 6.007 N	103° 58' 40.954 W
5,091.0	0.70	246.43	5,087.9	8.5	2.8	461,534.89	651,150.57	32° 16' 6.004 N	103° 58' 40.967 W
5,187.0	0.97	245.73	5,183.9	7.9	1.6	461,534.32	651,149.30	32° 16' 5.999 N	103° 58' 40.982 W
5,282.0	0.70	224.37	5,278.9	7.2	0.4	461,533.57	651,148.16	32° 16' 5.991 N	103° 58' 40.995 W
5,378.0	0.70	224.20	5,374.9	6.3	-0.4	461,532.73	651,147.34	32° 16' 5.983 N	103° 58' 41.005 W
5,474.0	0.66	209.52	5,470.9	5.4	-1.1	461,531.83	651,146.66	32° 16' 5.974 N	103° 58' 41.013 W
5,569.0	0.48	160.65	5,565.9	4.6	-1.2	461,530.98	651,146.52	32° 16' 5.966 N	103° 58' 41.014 W
5,665.0	0.66	149.84	5,661.9	3.7	-0.8	461,530.12	651,146.93	32° 16' 5.957 N	103° 58' 41.010 W
5,760.0	0.53	170.05	5,756.9	2.8	-0.5	461,529.22	651,147.28	32° 16' 5.948 N	103° 58' 41.005 W
5,856.0	0.57	171.90	5,852.9	1.9	-0.3	461,528.31	651,147.43	32° 16' 5.939 N	103° 58' 41.004 W
5,951.0	0.66	175.06	5,947.9	0.9	-0.2	461,527.30	651,147.54	32° 16' 5.929 N	103° 58' 41.003 W
6,046.0	0.57	185.52	6,042.9	-0.1	-0.2	461,526.28	651,147.54	32° 16' 5.919 N	103° 58' 41.003 W
6,141.0	0.70	189.74	6,137.9	-1.2	-0.3	461,525.24	651,147.40	32° 16' 5.909 N	103° 58' 41.004 W
6,237.0	0.70	164.69	6,233.9	-2.3	-0.3	461,524.09	651,147.45	32° 16' 5.897 N	103° 58' 41.004 W
6,333.0	0.75	156.78	6,329.9	-3.5	0.1	461,522.95	651,147.86	32° 16' 5.886 N	103° 58' 40.999 W
6,428.0	0.84	163.81	6,424.8	-4.7	0.6	461,521.71	651,148.29	32° 16' 5.874 N	103° 58' 40.994 W



Skyline Directional Survey Report - Geographic



Company:	Devon Energy Production Company, L.P.	Local Co-ordinate Reference:	Well Papas Fritas 27-22 Fed Com 711H
Project:	Eddy Co, New Mexico (NAD-83)	TVD Reference:	Rig KB @ 3052.0usft (Cactus 129)
Site:	Sec 22-23S-29E (PapasFritas)	MD Reference:	Rig KB @ 3052.0usft (Cactus 129)
Well:	Papas Fritas 27-22 Fed Com 711H	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Compass_DSN

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
6,523.0	0.79	174.89	6,519.8	-6.0	0.8	461,520.39	651,148.55	32° 16' 5.861 N	103° 58' 40.991 W
6,619.0	0.97	175.15	6,615.8	-7.5	0.9	461,518.92	651,148.67	32° 16' 5.846 N	103° 58' 40.990 W
6,714.0	1.23	186.49	6,710.8	-9.3	0.9	461,517.11	651,148.63	32° 16' 5.828 N	103° 58' 40.990 W
6,810.0	1.67	220.50	6,806.8	-11.4	-0.1	461,515.02	651,147.60	32° 16' 5.808 N	103° 58' 41.002 W
6,905.0	1.45	99.57	6,901.8	-12.6	0.2	461,513.77	651,147.89	32° 16' 5.795 N	103° 58' 40.999 W
7,000.0	1.36	200.03	6,996.7	-13.9	1.0	461,512.51	651,148.69	32° 16' 5.783 N	103° 58' 40.990 W
7,095.0	1.27	207.50	7,091.7	-15.9	0.1	461,510.51	651,147.82	32° 16' 5.763 N	103° 58' 41.000 W
7,191.0	0.97	267.53	7,187.7	-16.9	-1.2	461,509.54	651,146.51	32° 16' 5.753 N	103° 58' 41.015 W
7,286.0	1.63	309.71	7,282.7	-16.0	-3.1	461,510.36	651,144.67	32° 16' 5.762 N	103° 58' 41.037 W
7,381.0	1.63	303.03	7,377.6	-14.4	-5.2	461,511.96	651,142.50	32° 16' 5.778 N	103° 58' 41.062 W
7,477.0	1.58	278.95	7,473.6	-13.5	-7.7	461,512.91	651,140.05	32° 16' 5.787 N	103° 58' 41.090 W
7,571.0	2.11	268.84	7,567.6	-13.3	-10.7	461,513.08	651,137.04	32° 16' 5.789 N	103° 58' 41.125 W
7,667.0	2.37	244.41	7,663.5	-14.2	-14.3	461,512.19	651,133.48	32° 16' 5.780 N	103° 58' 41.167 W
7,762.0	2.37	228.24	7,758.4	-16.4	-17.5	461,510.03	651,130.24	32° 16' 5.759 N	103° 58' 41.205 W
7,859.0	2.29	229.29	7,855.3	-19.0	-20.5	461,507.43	651,127.28	32° 16' 5.733 N	103° 58' 41.239 W
7,955.0	2.24	232.11	7,951.2	-21.4	-23.4	461,505.03	651,124.34	32° 16' 5.709 N	103° 58' 41.274 W
8,051.0	2.11	227.10	8,047.2	-23.7	-26.2	461,502.67	651,121.57	32° 16' 5.686 N	103° 58' 41.306 W
8,146.0	1.98	228.85	8,142.1	-26.0	-28.7	461,500.40	651,119.05	32° 16' 5.664 N	103° 58' 41.335 W
8,241.0	2.15	251.88	8,237.1	-27.6	-31.6	461,498.77	651,116.12	32° 16' 5.648 N	103° 58' 41.370 W
8,337.0	2.42	249.24	8,333.0	-28.9	-35.2	461,497.49	651,112.51	32° 16' 5.635 N	103° 58' 41.412 W
8,433.0	2.99	247.66	8,428.9	-30.6	-39.4	461,495.82	651,108.30	32° 16' 5.619 N	103° 58' 41.461 W
8,528.0	2.90	237.20	8,523.8	-32.8	-43.7	461,493.58	651,103.99	32° 16' 5.597 N	103° 58' 41.511 W
8,624.0	1.98	248.72	8,619.7	-34.8	-47.3	461,491.66	651,100.40	32° 16' 5.578 N	103° 58' 41.553 W
8,719.0	1.93	252.06	8,714.6	-35.8	-50.4	461,490.57	651,097.35	32° 16' 5.567 N	103° 58' 41.588 W
8,815.0	2.20	251.09	8,810.5	-36.9	-53.7	461,489.48	651,094.07	32° 16' 5.557 N	103° 58' 41.627 W
8,911.0	1.32	268.76	8,906.5	-37.6	-56.5	461,488.85	651,091.22	32° 16' 5.550 N	103° 58' 41.660 W
9,006.0	1.45	288.09	9,001.5	-37.2	-58.7	461,489.20	651,088.99	32° 16' 5.554 N	103° 58' 41.686 W
9,102.0	1.49	288.27	9,097.4	-36.4	-61.1	461,489.97	651,086.65	32° 16' 5.562 N	103° 58' 41.713 W
9,197.0	1.93	282.99	9,192.4	-35.7	-63.8	461,490.72	651,083.91	32° 16' 5.569 N	103° 58' 41.745 W
9,292.0	1.89	287.39	9,287.3	-34.9	-66.9	461,491.55	651,080.86	32° 16' 5.577 N	103° 58' 41.781 W
9,388.0	1.93	273.19	9,383.3	-34.3	-70.0	461,492.11	651,077.74	32° 16' 5.583 N	103° 58' 41.817 W
9,483.0	2.46	259.88	9,478.2	-34.6	-73.6	461,491.84	651,074.13	32° 16' 5.581 N	103° 58' 41.859 W
9,579.0	2.24	258.56	9,574.1	-35.3	-77.5	461,491.11	651,070.26	32° 16' 5.573 N	103° 58' 41.904 W
9,675.0	2.24	252.23	9,670.1	-36.2	-81.1	461,490.16	651,066.64	32° 16' 5.564 N	103° 58' 41.946 W
9,693.0	2.15	249.51	9,688.1	-36.5	-81.7	461,489.94	651,065.99	32° 16' 5.562 N	103° 58' 41.954 W
9,771.0	1.89	242.83	9,766.0	-37.6	-84.3	461,488.84	651,063.47	32° 16' 5.551 N	103° 58' 41.983 W
9,866.0	5.49	8.51	9,860.9	-33.8	-85.0	461,492.62	651,062.75	32° 16' 5.589 N	103° 58' 41.991 W
9,961.0	22.51	14.31	9,952.7	-11.5	-79.8	461,514.90	651,067.96	32° 16' 5.809 N	103° 58' 41.930 W
10,057.0	32.97	16.25	10,037.6	31.5	-67.9	461,557.90	651,079.84	32° 16' 6.234 N	103° 58' 41.790 W
10,152.0	41.67	15.63	10,113.0	86.8	-52.1	461,613.24	651,095.61	32° 16' 6.781 N	103° 58' 41.604 W
10,174.8	44.20	14.86	10,129.7	101.8	-48.0	461,628.22	651,099.70	32° 16' 6.929 N	103° 58' 41.556 W
Cross Section: 921' FWL									
10,247.0	52.26	12.82	10,177.8	154.1	-35.2	461,680.48	651,112.51	32° 16' 7.446 N	103° 58' 41.405 W
10,306.2	59.00	10.67	10,211.2	201.9	-25.3	461,728.30	651,122.41	32° 16' 7.919 N	103° 58' 41.287 W
Cross 100' FSL: 10306' MD 944' FWL; 10211' TVD									
10,343.0	63.21	9.48	10,229.0	233.6	-19.7	461,760.01	651,128.04	32° 16' 8.233 N	103° 58' 41.221 W
10,437.0	70.95	5.00	10,265.6	319.4	-8.9	461,845.82	651,138.84	32° 16' 9.081 N	103° 58' 41.092 W
10,533.0	83.47	2.27	10,286.8	412.6	-3.0	461,939.06	651,144.71	32° 16' 10.004 N	103° 58' 41.020 W
10,628.0	87.56	0.69	10,294.2	507.3	-0.6	462,033.71	651,147.15	32° 16' 10.940 N	103° 58' 40.988 W
10,724.0	88.79	0.69	10,297.3	603.2	0.6	462,129.65	651,148.31	32° 16' 11.890 N	103° 58' 40.970 W
10,819.0	88.88	0.78	10,299.2	698.2	1.8	462,224.62	651,149.52	32° 16' 12.830 N	103° 58' 40.953 W
10,914.0	88.22	359.99	10,301.6	793.2	2.4	462,319.59	651,150.16	32° 16' 13.769 N	103° 58' 40.941 W
11,010.0	87.21	359.28	10,305.4	889.1	1.8	462,415.51	651,149.55	32° 16' 14.719 N	103° 58' 40.945 W
11,105.0	86.46	359.20	10,310.7	983.9	0.6	462,510.36	651,148.29	32° 16' 15.657 N	103° 58' 40.956 W
11,200.0	87.03	358.40	10,316.1	1,078.8	-1.4	462,605.18	651,146.31	32° 16' 16.596 N	103° 58' 40.975 W



Skyline Directional Survey Report - Geographic



Company:	Devon Energy Production Company, L.P.	Local Co-ordinate Reference:	Well Papas Fritas 27-22 Fed Com 711H
Project:	Eddy Co, New Mexico (NAD-83)	TVD Reference:	Rig KB @ 3052.0usft (Cactus 129)
Site:	Sec 22-23S-29E (PapasFritas)	MD Reference:	Rig KB @ 3052.0usft (Cactus 129)
Well:	Papas Fritas 27-22 Fed Com 711H	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Compass_DSN

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
11,296.0	88.00	0.16	10,320.2	1,174.7	-2.6	462,701.08	651,145.10	32° 16' 17.545 N	103° 58' 40.986 W
11,392.0	90.29	1.92	10,321.7	1,270.6	-0.9	462,797.04	651,146.84	32° 16' 18.494 N	103° 58' 40.962 W
11,487.0	90.33	0.86	10,321.2	1,365.6	1.4	462,892.01	651,149.15	32° 16' 19.434 N	103° 58' 40.931 W
11,583.0	90.46	1.39	10,320.5	1,461.6	3.3	462,987.99	651,151.03	32° 16' 20.384 N	103° 58' 40.905 W
11,678.0	90.64	1.83	10,319.6	1,556.5	6.0	463,082.95	651,153.70	32° 16' 21.323 N	103° 58' 40.871 W
11,774.0	90.90	2.27	10,318.3	1,652.5	9.4	463,178.88	651,157.14	32° 16' 22.272 N	103° 58' 40.827 W
11,869.0	91.08	2.45	10,316.6	1,747.4	13.3	463,273.78	651,161.05	32° 16' 23.212 N	103° 58' 40.778 W
11,964.0	91.25	3.24	10,314.7	1,842.2	18.0	463,368.65	651,165.76	32° 16' 24.150 N	103° 58' 40.719 W
12,060.0	89.36	2.97	10,314.2	1,938.1	23.2	463,464.50	651,170.96	32° 16' 25.098 N	103° 58' 40.655 W
12,155.0	88.66	2.45	10,315.8	2,033.0	27.7	463,559.38	651,175.45	32° 16' 26.037 N	103° 58' 40.599 W
12,251.0	89.05	1.39	10,317.8	2,128.9	30.9	463,655.30	651,178.67	32° 16' 26.986 N	103° 58' 40.558 W
12,346.0	89.49	359.81	10,319.0	2,223.9	31.9	463,750.29	651,179.66	32° 16' 27.926 N	103° 58' 40.543 W
12,442.0	89.41	359.55	10,319.9	2,319.9	31.4	463,846.28	651,179.13	32° 16' 28.876 N	103° 58' 40.545 W
12,537.0	89.23	358.93	10,321.0	2,414.9	30.1	463,941.26	651,177.87	32° 16' 29.816 N	103° 58' 40.556 W
12,633.0	88.70	358.23	10,322.8	2,510.8	27.8	464,037.22	651,175.49	32° 16' 30.766 N	103° 58' 40.580 W
12,728.0	90.46	0.43	10,323.5	2,605.8	26.6	464,132.20	651,174.38	32° 16' 31.706 N	103° 58' 40.589 W
12,823.0	90.07	359.99	10,323.0	2,700.8	27.0	464,227.20	651,174.73	32° 16' 32.646 N	103° 58' 40.582 W
12,918.0	91.38	359.81	10,321.8	2,795.8	26.8	464,322.19	651,174.56	32° 16' 33.586 N	103° 58' 40.580 W
13,014.0	92.18	0.51	10,318.8	2,891.7	27.1	464,418.14	651,174.83	32° 16' 34.535 N	103° 58' 40.573 W
13,109.0	92.53	0.60	10,314.9	2,986.6	28.0	464,513.06	651,175.75	32° 16' 35.475 N	103° 58' 40.559 W
13,205.0	91.08	359.37	10,311.9	3,082.6	28.0	464,609.00	651,175.72	32° 16' 36.424 N	103° 58' 40.555 W
13,300.0	91.74	0.25	10,309.6	3,177.6	27.7	464,703.97	651,175.41	32° 16' 37.364 N	103° 58' 40.555 W
13,396.0	90.02	359.99	10,308.1	3,273.5	27.9	464,799.96	651,175.61	32° 16' 38.314 N	103° 58' 40.549 W
13,491.0	89.45	359.63	10,308.5	3,368.5	27.6	464,894.96	651,175.29	32° 16' 39.254 N	103° 58' 40.549 W
13,586.0	87.56	359.46	10,311.0	3,463.5	26.8	464,989.92	651,174.54	32° 16' 40.194 N	103° 58' 40.554 W
13,682.0	87.91	357.88	10,314.8	3,559.4	24.6	465,085.81	651,172.31	32° 16' 41.143 N	103° 58' 40.577 W
13,777.0	89.71	359.11	10,316.8	3,654.3	22.1	465,180.75	651,169.82	32° 16' 42.082 N	103° 58' 40.602 W
13,873.0	89.36	359.02	10,317.6	3,750.3	20.5	465,276.74	651,168.25	32° 16' 43.032 N	103° 58' 40.617 W
13,968.0	88.84	358.40	10,319.0	3,845.3	18.4	465,371.70	651,166.11	32° 16' 43.972 N	103° 58' 40.638 W
14,064.0	90.02	359.72	10,320.0	3,941.3	16.8	465,467.68	651,164.54	32° 16' 44.922 N	103° 58' 40.653 W
14,159.0	91.65	359.46	10,318.6	4,036.3	16.1	465,562.66	651,163.86	32° 16' 45.862 N	103° 58' 40.657 W
14,255.0	92.18	358.84	10,315.4	4,132.2	14.7	465,658.60	651,162.44	32° 16' 46.811 N	103° 58' 40.670 W
14,351.0	91.87	359.20	10,312.0	4,228.1	13.1	465,754.52	651,160.79	32° 16' 47.760 N	103° 58' 40.685 W
14,446.0	91.43	358.58	10,309.3	4,323.1	11.2	465,849.47	651,158.96	32° 16' 48.700 N	103° 58' 40.703 W
14,542.0	90.64	358.67	10,307.5	4,419.0	8.9	465,945.42	651,156.65	32° 16' 49.650 N	103° 58' 40.726 W
14,637.0	90.24	358.49	10,306.8	4,514.0	6.6	466,040.39	651,154.30	32° 16' 50.589 N	103° 58' 40.750 W
14,732.0	90.11	357.96	10,306.5	4,608.9	3.6	466,135.34	651,151.36	32° 16' 51.529 N	103° 58' 40.780 W
14,828.0	89.23	357.88	10,307.1	4,704.9	0.1	466,231.28	651,147.87	32° 16' 52.479 N	103° 58' 40.817 W
14,924.0	88.62	357.79	10,308.9	4,800.8	-3.5	466,327.19	651,144.25	32° 16' 53.428 N	103° 58' 40.856 W
15,019.0	89.23	358.14	10,310.7	4,895.7	-6.9	466,422.11	651,140.87	32° 16' 54.367 N	103° 58' 40.891 W
15,115.0	90.55	358.67	10,310.8	4,991.7	-9.5	466,518.07	651,138.20	32° 16' 55.317 N	103° 58' 40.919 W
15,211.0	90.86	359.28	10,309.7	5,087.6	-11.3	466,614.05	651,136.48	32° 16' 56.267 N	103° 58' 40.935 W
15,306.0	90.77	358.58	10,308.3	5,182.6	-13.0	466,709.02	651,134.71	32° 16' 57.207 N	103° 58' 40.952 W
15,402.0	90.55	358.67	10,307.2	5,278.6	-15.3	466,804.99	651,132.41	32° 16' 58.157 N	103° 58' 40.975 W
15,497.0	90.24	359.02	10,306.6	5,373.6	-17.2	466,899.97	651,130.49	32° 16' 59.096 N	103° 58' 40.994 W
15,551.5	89.33	358.11	10,306.8	5,428.0	-18.6	466,954.45	651,129.13	32° 16' 59.636 N	103° 58' 41.008 W
Cross Section 27 to 22: 15551' MD, 975' FWL									
15,592.0	88.66	357.44	10,307.5	5,468.5	-20.2	466,994.91	651,127.56	32° 17' 0.036 N	103° 58' 41.024 W
15,688.0	89.49	359.02	10,309.0	5,564.4	-23.1	467,090.85	651,124.59	32° 17' 0.986 N	103° 58' 41.055 W
15,783.0	89.27	359.46	10,310.0	5,659.4	-24.4	467,185.84	651,123.33	32° 17' 1.926 N	103° 58' 41.066 W
15,878.0	89.76	359.72	10,310.8	5,754.4	-25.1	467,280.83	651,122.65	32° 17' 2.866 N	103° 58' 41.070 W
15,974.0	90.46	1.04	10,310.7	5,850.4	-24.4	467,376.83	651,123.29	32° 17' 3.816 N	103° 58' 41.059 W
16,070.0	90.07	359.99	10,310.2	5,946.4	-23.6	467,472.82	651,124.15	32° 17' 4.765 N	103° 58' 41.046 W
16,165.0	90.24	359.72	10,310.0	6,041.4	-23.8	467,567.82	651,123.91	32° 17' 5.706 N	103° 58' 41.045 W
16,261.0	90.81	0.51	10,309.1	6,137.4	-23.6	467,663.81	651,124.10	32° 17' 6.656 N	103° 58' 41.039 W



Skyline Directional Survey Report - Geographic



Company:	Devon Energy Production Company, L.P.	Local Co-ordinate Reference:	Well Papas Fritas 27-22 Fed Com 711H
Project:	Eddy Co, New Mexico (NAD-83)	TVD Reference:	Rig KB @ 3052.0usft (Cactus 129)
Site:	Sec 22-23S-29E (PapasFritas)	MD Reference:	Rig KB @ 3052.0usft (Cactus 129)
Well:	Papas Fritas 27-22 Fed Com 711H	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Compass_DSN

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
16,356.0	91.16	0.43	10,307.5	6,232.4	-22.9	467,758.80	651,124.88	32° 17' 7.595 N	103° 58' 41.026 W
16,452.0	91.38	0.25	10,305.3	6,328.4	-22.3	467,854.77	651,125.45	32° 17' 8.545 N	103° 58' 41.016 W
16,547.0	91.43	359.99	10,303.0	6,423.3	-22.1	467,949.74	651,125.65	32° 17' 9.485 N	103° 58' 41.010 W
16,643.0	90.15	0.69	10,301.7	6,519.3	-21.5	468,045.73	651,126.22	32° 17' 10.435 N	103° 58' 40.999 W
16,738.0	89.71	1.22	10,301.8	6,614.3	-19.9	468,140.71	651,127.81	32° 17' 11.375 N	103° 58' 40.977 W
16,834.0	89.10	0.51	10,302.8	6,710.3	-18.5	468,236.70	651,129.25	32° 17' 12.324 N	103° 58' 40.957 W
16,929.0	87.30	0.16	10,305.8	6,805.2	-17.9	468,331.64	651,129.81	32° 17' 13.264 N	103° 58' 40.947 W
17,024.0	89.41	1.04	10,308.5	6,900.2	-16.9	468,426.59	651,130.80	32° 17' 14.204 N	103° 58' 40.931 W
17,120.0	89.98	1.13	10,309.0	6,996.2	-15.1	468,522.57	651,132.62	32° 17' 15.153 N	103° 58' 40.906 W
17,216.0	91.08	2.71	10,308.1	7,092.1	-11.9	468,618.51	651,135.84	32° 17' 16.103 N	103° 58' 40.865 W
17,311.0	90.81	2.80	10,306.5	7,187.0	-7.3	468,713.39	651,140.40	32° 17' 17.041 N	103° 58' 40.808 W
17,407.0	90.77	2.10	10,305.2	7,282.9	-3.2	468,809.29	651,144.51	32° 17' 17.990 N	103° 58' 40.757 W
17,502.0	91.08	2.89	10,303.7	7,377.8	0.9	468,904.19	651,148.64	32° 17' 18.929 N	103° 58' 40.705 W
17,598.0	91.08	2.10	10,301.9	7,473.7	5.1	469,000.08	651,152.82	32° 17' 19.878 N	103° 58' 40.653 W
17,693.0	89.67	1.92	10,301.3	7,568.6	8.4	469,095.02	651,156.15	32° 17' 20.817 N	103° 58' 40.610 W
17,788.0	90.24	0.86	10,301.3	7,663.6	10.7	469,189.99	651,158.46	32° 17' 21.757 N	103° 58' 40.580 W
17,883.0	88.92	359.81	10,302.0	7,758.6	11.3	469,284.98	651,159.01	32° 17' 22.697 N	103° 58' 40.570 W
17,979.0	88.70	359.46	10,304.0	7,854.5	10.7	469,380.96	651,158.40	32° 17' 23.647 N	103° 58' 40.573 W
18,074.0	89.76	0.34	10,305.3	7,949.5	10.5	469,475.95	651,158.24	32° 17' 24.587 N	103° 58' 40.571 W
18,170.0	89.80	359.90	10,305.7	8,045.5	10.7	469,571.94	651,158.44	32° 17' 25.537 N	103° 58' 40.565 W
18,265.0	89.71	359.99	10,306.1	8,140.5	10.6	469,666.94	651,158.35	32° 17' 26.477 N	103° 58' 40.563 W
18,360.0	89.36	0.25	10,306.8	8,235.5	10.8	469,761.94	651,158.54	32° 17' 27.417 N	103° 58' 40.557 W
18,455.0	87.47	359.02	10,309.5	8,330.5	10.2	469,856.90	651,157.94	32° 17' 28.357 N	103° 58' 40.560 W
18,551.0	87.34	358.58	10,313.8	8,426.4	8.2	469,952.78	651,155.93	32° 17' 29.306 N	103° 58' 40.580 W
18,646.0	90.11	359.20	10,315.9	8,521.3	6.4	470,047.72	651,154.09	32° 17' 30.245 N	103° 58' 40.597 W
18,741.0	91.12	357.96	10,314.9	8,616.3	4.0	470,142.69	651,151.74	32° 17' 31.185 N	103° 58' 40.621 W
18,836.0	90.07	357.17	10,313.9	8,711.2	0.0	470,237.59	651,147.70	32° 17' 32.124 N	103° 58' 40.665 W
18,932.0	89.10	356.38	10,314.6	8,807.0	-5.4	470,333.44	651,142.30	32° 17' 33.073 N	103° 58' 40.724 W
19,027.0	89.71	357.35	10,315.6	8,901.9	-10.6	470,428.29	651,137.11	32° 17' 34.012 N	103° 58' 40.781 W
19,123.0	89.63	357.53	10,316.2	8,997.8	-14.9	470,524.19	651,132.82	32° 17' 34.961 N	103° 58' 40.827 W
19,219.0	90.37	358.58	10,316.2	9,093.7	-18.2	470,620.13	651,129.56	32° 17' 35.910 N	103° 58' 40.861 W
19,315.0	90.59	358.67	10,315.4	9,189.7	-20.5	470,716.10	651,127.26	32° 17' 36.860 N	103° 58' 40.884 W
19,410.0	89.63	358.05	10,315.2	9,284.7	-23.2	470,811.06	651,124.54	32° 17' 37.800 N	103° 58' 40.912 W
19,505.0	88.84	357.70	10,316.4	9,379.6	-26.7	470,905.99	651,121.02	32° 17' 38.739 N	103° 58' 40.950 W
19,601.0	89.85	358.32	10,317.5	9,475.5	-30.1	471,001.92	651,117.68	32° 17' 39.689 N	103° 58' 40.985 W
19,696.0	89.93	358.67	10,317.7	9,570.5	-32.5	471,096.89	651,115.19	32° 17' 40.629 N	103° 58' 41.010 W
19,791.0	90.02	0.34	10,317.8	9,665.5	-33.4	471,191.88	651,114.37	32° 17' 41.569 N	103° 58' 41.016 W
19,886.0	89.10	359.46	10,318.5	9,760.5	-33.5	471,286.88	651,114.20	32° 17' 42.509 N	103° 58' 41.014 W
19,982.0	88.18	359.11	10,320.8	9,856.4	-34.7	471,382.84	651,113.00	32° 17' 43.459 N	103° 58' 41.025 W
20,077.0	90.24	358.40	10,322.1	9,951.4	-36.8	471,477.80	651,110.94	32° 17' 44.398 N	103° 58' 41.045 W
20,172.0	90.73	357.61	10,321.3	10,046.3	-40.1	471,572.74	651,107.63	32° 17' 45.338 N	103° 58' 41.080 W
20,268.0	90.02	357.00	10,320.7	10,142.2	-44.6	471,668.63	651,103.12	32° 17' 46.287 N	103° 58' 41.129 W
20,364.0	89.01	357.26	10,321.5	10,238.1	-49.4	471,764.51	651,098.31	32° 17' 47.236 N	103° 58' 41.181 W
20,459.0	89.54	356.65	10,322.7	10,333.0	-54.5	471,859.36	651,093.27	32° 17' 48.175 N	103° 58' 41.236 W
20,555.0	89.05	357.09	10,323.8	10,428.8	-59.7	471,955.21	651,088.03	32° 17' 49.123 N	103° 58' 41.294 W
20,650.0	88.88	356.38	10,325.6	10,523.6	-65.1	472,050.04	651,082.62	32° 17' 50.062 N	103° 58' 41.353 W
20,730.0	88.33	356.46	10,327.5	10,603.5	-70.1	472,129.86	651,077.62	32° 17' 50.852 N	103° 58' 41.408 W
Cross 100' FNL HL: 20730' MD, 933' FWL									
20,746.0	88.22	356.47	10,328.0	10,619.4	-71.1	472,145.83	651,076.63	32° 17' 51.010 N	103° 58' 41.419 W
20,768.0	88.09	356.38	10,328.7	10,641.4	-72.5	472,167.77	651,075.26	32° 17' 51.227 N	103° 58' 41.434 W
20,830.0	88.09	356.38	10,330.8	10,703.2	-76.4	472,229.61	651,071.35	32° 17' 51.839 N	103° 58' 41.477 W
BHL (PTB): 20830' MD, 929' FWL, 39' FNL - PBHL - TD (P F 27-22 FC 711H)									



Skyline Directional
Survey Report - Geographic



Company:	Devon Energy Production Company, L.P.	Local Co-ordinate Reference:	Well Papas Fritas 27-22 Fed Com 711H
Project:	Eddy Co, New Mexico (NAD-83)	TVD Reference:	Rig KB @ 3052.0usft (Cactus 129)
Site:	Sec 22-23S-29E (PapasFritas)	MD Reference:	Rig KB @ 3052.0usft (Cactus 129)
Well:	Papas Fritas 27-22 Fed Com 711H	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Compass_DSN

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
10,174.8	10,129.7	101.8	-48.0	Cross Section: 921' FWL
10,306.2	10,211.2	201.9	-25.3	Cross 100' FSL: 10306' MD 944' FWL; 10211' TVD
15,551.5	10,306.8	5,428.0	-18.6	Cross Section 27 to 22: 15551' MD, 975' FWL
20,730.0	10,327.5	10,603.5	-70.1	Cross 100' FNL HL: 20730' MD, 933' FWL
20,830.0	10,330.8	10,703.2	-76.4	BHL (PTB): 20830' MD, 929' FWL, 39' FNL

Checked By: _____ Approved By: _____ Date: _____

Form 3160-5
(June 2015)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use form 3160-3 (APD) for such proposals.5. Lease Serial No.
NMNM105557

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
PAPA FRITAS 27-22 FED COM 711H9. API Well No.
30-015-46572-00-X110. Field and Pool or Exploratory Area
PURPLE SAGE-WOLFCAMP (GAS)11. County or Parish, State
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Contact: CHELSEY GREEN

DEVON ENERGY PRODUCTION COMPANY
E-MAIL: CHELSEY.GREEN@DVN.COM

3a. Address

6488 SEVEN RIVERS HIGHWAY
ARTESIA, NM 88210

3b. Phone No. (include area code)

Ph: 405-228-8595

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 34 T23S R29E NWNW 102FNL 968FWL
32.268311 N Lat, 103.978058 W Lon

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Hydraulic Fracture
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Devon Energy Production Co., L.P. (Devon) respectfully requests for OCD extension of time to file BLM- approved Form 3160-4.

6/24/20 ? 8/9/20: MIRU WL & PT. TIH PT csg good for 30min, OK. TIH w/pump through frac plug and guns. Perf Wolfcamp, 10,437'-20,708'. Frac totals 20716660# prop, 15 bbl acid. ND frac, MIRU PU, NU BOP, DO plugs & CO to PBDT 20,720'. CHC, FWB, ND BOP. RIH w/304 jts 2-7/8" L-80 tbg, set @ 10043'. TOP.

Formation Top Depth
RUSTLER 200

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #538681 verified by the BLM Well Information System
For DEVON ENERGY PRODUCTION COMPANY, sent to the Carlsbad
Committed to AFMSS for processing by PRISCILLA PEREZ on 12/01/2020 (21PP0750SE)

Name (Printed/Typed) CHELSEY GREEN

Title REGULATORY PROFESSIONAL

Signature (Electronic Submission)

Date 11/30/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED	JONATHON SHEPARD Title PETROLEUM ENGINEER	Date 12/10/2020
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office Carlsbad

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional data for EC transaction #538681 that would not fit on the form

32. Additional remarks, continued

SALADO	3049
DELAWARE	6805
BONE SPRING	10039

Revisions to Operator-Submitted EC Data for Sundry Notice #538681

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	HF SR	HF SR
Lease:	NMNM105557	NMNM105557
Agreement:		
Operator:	DEVON ENERGY PRODUCTION COMPAN 333 W SHERIDAN AVE OKLAHOMA CITY, OK 73102 Ph: 405-228-8595	DEVON ENERGY PRODUCTION COMPAN 6488 SEVEN RIVERS HIGHWAY ARTESIA, NM 88210 Ph: 575.748.3371
Admin Contact:	CHELSEY GREEN REGULATORY COMPLIANCE PROFESSI E-Mail: Chelsey.Green@dvn.com Ph: 405.228.8595	CHELSEY GREEN REGULATORY PROFESSIONAL E-Mail: CHELSEY.GREEN@DVN.COM Ph: 405-228-8595
Tech Contact:	CHELSEY GREEN REGULATORY COMPLIANCE PROFESSI E-Mail: Chelsey.Green@dvn.com Ph: 405.228.8595	CHELSEY GREEN REGULATORY PROFESSIONAL E-Mail: CHELSEY.GREEN@DVN.COM Ph: 405-228-8595
Location:		
State:	NM	NM
County:	EDDY	EDDY
Field/Pool:	PURPLE SAGE;WOLFCAMP(GAS)	PURPLE SAGE-WOLFCAMP (GAS)
Well/Facility:	PAPAS FRITAS 27-22 FED COM 711H Sec 34 T23S R29E NWNW 102FNL 968FWL	PAPA FRITAS 27-22 FED COM 711H Sec 34 T23S R29E NWNW 102FNL 968FWL 32.268311 N Lat, 103.978058 W Lon

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 15200

CONDITIONS OF APPROVAL

Operator: DEVON ENERGY PRODUCTION COMPAN333 West Sheridan Ave.Oklahoma City, OK73102				OGRID: 6137	Action Number: 15200	Action Type: C-104C
OCD Reviewer				Condition		
ksimmons				None		