

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Centennial Resource Production, LLC 1001 17th Street, Suite 1800 Denver, CO 80202		² OGRID Number 372165
		³ Reason for Filing Code/ Effective Date NW 3/15/21
⁴ API Number 30 - 0 25-47960	⁵ Pool Name Grama Ridge; Bone Spring, NE	⁶ Pool Code 28435
⁷ Property Code 322870	⁸ Property Name Chorizo 12 State Com	⁹ Well Number 503H

II. ¹⁰ Surface Location

UL or lot no. E	Section 36	Township 21S	Range 34E	Lot Idn	Feet from the 2467	North/South Line North	Feet from the 950	East/West line West	County Lea
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¹¹ Bottom Hole Location

UL or lot no. E	Section 12	Township 22S	Range 34E	Lot Idn	Feet from the 2551	North/South line North	Feet from the 2322	East/West line West	County Lea
¹² Lse Code S	¹³ Producing Method Code F	¹⁴ Gas Connection Date 3/15/21	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
372603	3 Bear Field Services, LLC	G/O
	Oryx Delaware Oil Gathering NM, LLC	O

IV. Well Completion Data

²¹ Spud Date 11/27/20	²² Ready Date 3/15/21	²³ TD 20,700MD/10,402TVD	²⁴ PBTD 20,654	²⁵ Perforations 10,856 - 18,137	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
17-1/2		13-3/8	1871		1540
12-1/4		9-5/8	5603		1180
8-3/4 , 8-1/2		5-1/2	20,690		2585
Request Tubing & Production Data Extension					

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 			OIL CONSERVATION DIVISION		
Printed name: Kanicia Schlichting			Approved by: KURT SIMMONS		
Title: Sr. Regulatory Analyst			Title: NM OCD, SANTA FE		
E-mail Address: kanicia.schlichting@cdevinc.com			Approval Date: 07/21/2021		
Date: 5/14/21		Phone: 720-499-1537			

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		³ Reason for Filing Code/ Effective Date NW 3/15/21
⁴ API Number 30 - 0 25-47960	⁵ Pool Name Ojo Chiso; Bone Spring	⁶ Pool Code 96553
⁷ Property Code 322870	⁸ Property Name Chorizo 12 State Com	⁹ Well Number 503H

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372603	3 Bear Field Services, LLC	G/O
	Oryx Delaware Oil Gathering NM, LLC	O

IV. Well Completion Data

²¹ Spud Date 11/27/20	²² Ready Date 3/15/21	²³ TD 20,700MD/10,402TVD	²⁴ PBTD 20,654	²⁵ Perforations 18,150 - 20,650	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2	13-3/8	1871	1540		
12-1/4	9-5/8	5603	1180		
8-3/4 , 8-1/2	5-1/2	20,690	2585		
Request Tubing & Production Data Extension					

V. Well Test Data

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Title: Sr. Regulatory Analyst			Title: NMOCD, SANTA FE		
E-mail Address: kanicia.schlichting@cdevinc.com			Approval Date: 07/21/2021		
Date: 5/14/21		Phone: 720-499-1537			

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 30-025-47960	² Pool Code 96553	³ Pool Name Ojo Chiso; Bone Spring
⁴ Property Code 322870	⁵ Property Name CHORIZO 12 STATE COM	
⁷ OGRID No. 372165	⁸ Operator Name CENTENNIAL RESOURCE PRODUCTION, LLC	⁶ Well Number 503H ⁹ Elevation 3670.8'

¹⁰Surface Location

UL or lot no. E	Section 36	Township 21S	Range 34E	Lot Idn	Feet from the 2467	North/South line NORTH	Feet from the 950	East/West line WEST	County LEA
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" Bottom Hole Location If Different From Surface

UL or lot no. F	Section 12	Township 22S	Range 34E	Lot Idn	Feet from the 2551	North/South line NORTH	Feet from the 2322	East/West line WEST	County LEA
¹² Dedicated Acres 160		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

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NAD 83 (SURFACE HOLE LOCATION)	
LATITUDE = 32°26'09.44" (32.435956°)	
LONGITUDE = 103°25'44.43" (103.429010°)	
STATE PLANE NAD 83 (NM EAST)	
Y: 523512.90' X: 820337.51'	
UTM, NAD 83 (ZONE 13)	
Y: 11777686.28' X: 2124962.79'	

NAD 83 (AS-DRILLED FTP)	
LATITUDE = 32°26'00.53" (32.433480°)	
LONGITUDE = 103°25'29.77" (103.424936°)	
STATE PLANE NAD 83 (NM EAST)	
Y: 522622.92' X: 821601.91'	
UTM, NAD 83 (ZONE 13)	
Y: 11776804.31' X: 2126232.55'	

NAD 83 (AS-DRILLED LTP)	
LATITUDE = 32°24'23.76" (32.406600°)	
LONGITUDE = 103°25'28.63" (103.424619°)	
STATE PLANE NAD 83 (NM EAST)	
Y: 512844.39' X: 821782.83'	
UTM, NAD 83 (ZONE 13)	
Y: 11767028.37' X: 2126474.46'	

NAD 83 (AS-DRILLED BHL)	
LATITUDE = 32°24'23.27" (32.406463°)	
LONGITUDE = 103°25'28.63" (103.424620°)	
STATE PLANE NAD 83 (NM EAST)	
Y: 512794.41' X: 821783.14'	
UTM, NAD 83 (ZONE 13)	
Y: 11766978.39' X: 2126475.08'	

Detail "A"
No Scale

APPROXIMATE WELL BORE DISTANCE FROM FTP TO LTP	
SECTION 36	1,917.81'
SECTION 1	5,370.36'
SECTION 12	2,501.75'
TOTAL	9,789.92'

Section 36
As-Drilled FTP
895' SOUTH OF WELL
1261' EAST OF WELL
M.D. 10,856'
Inclination 80.9
Proposed Well Bore

Section 1
As-Drilled LTP
10,676' SOUTH OF WELL
1,401' EAST OF WELL
M.D. 20,650'
Inclination 90.5

Section 12
As-Drilled BHL
10,726' SOUTH OF WELL
1,401' EAST OF WELL
M.D. 20,700'
Inclination 90.5

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.

[Signature]

3/17/21

Signature

Date

Kanicia Schlichting

Printed Name

kanicia.schlichting@cdevinc.com

E-mail Address

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

AUGUST 31, 2020

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number:

NOTE:

- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83).
- Well Bore data provided by Centennial Resource Production, LLC.
- As-Drilled well head has not been field verified.

- = SURFACE HOLE LOCATION
- ◆ = AS-DRILLED TAKE POINT
- = AS-DRILLED BOTTOM HOLE LOCATION
- ▲ = SECTION CORNER LOCATED

SCALE
DRAWN BY: D.J.S. 03-08-21



Centennial Resources Development, Inc.

**Lea County, NM (NAD83 - UTM Zone 13)
Chorizo 12 State Com
503H**

OH / 67178

Survey: Phoenix MWD Surveys

Standard Survey Report

27 January, 2021





Survey Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 503H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3696.80usft (H&P 489)
Site:	Chorizo 12 State Com	MD Reference:	RKB @ 3696.80usft (H&P 489)
Well:	503H	North Reference:	True
Wellbore:	OH / 67178	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 489)	Database:	USA Compass

Project	Lea County, NM (NAD83 - UTM Zone 13)		
Map System:	Universal Transverse Mercator (US Survey Fee	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Zone 13N (108 W to 102 W)		Using geodetic scale factor

Site	Chorizo 12 State Com		
Site Position:		Northing:	11,776,359.14 usft
From:	Map	Easting:	2,125,745.97 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 25' 56.195697 N
		Longitude:	103° 25' 35.524351 W
		Grid Convergence:	0.84 °

Well	503H		
Well Position	+N/-S	0.00 usft	Northing:
	+E/-W	0.00 usft	Easting:
Position Uncertainty	1.00 usft		Wellhead Elevation:
			Latitude:
			Longitude:
			Ground Level:

Wellbore	OH / 67178		
Magnetics	Model Name	Sample Date	Declination (°)
	MVHD	1/15/2021	6.49
			Dip Angle (°)
			60.17
			Field Strength (nT)
			47,907.64593782

Design	Surveys (H&P 489)		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	1,882.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (°)
			172.86

Survey Program	Date 1/27/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
118.00	1,882.00	Invictus MWD Surveys (OH / Surface)	MWD
1,983.00	20,700.00	Phoenix MWD Surveys (OH / 67178)	MWD+IFR1+MS
			Description
			OWSG MWD - Standard
			OWSG MWD + IFR1 + Multi-Station Correction

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)
1,882.00	1.10	79.57	1,881.95	-4.36	-5.78	3.61	0.00	0.00	0.00
1,983.00	2.02	75.32	1,982.91	-3.73	-3.10	3.32	0.92	0.91	-4.21
First Phoenix MWD Survey									
2,078.00	3.29	58.65	2,077.81	-1.89	0.84	1.98	1.55	1.34	-17.55
2,173.00	3.39	57.87	2,172.65	1.02	5.55	-0.32	0.12	0.11	-0.82
2,268.00	4.15	46.76	2,267.44	4.87	10.43	-3.54	1.11	0.80	-11.69
2,362.00	5.18	47.21	2,361.13	10.08	16.02	-8.01	1.10	1.10	0.48
2,458.00	6.16	53.82	2,456.66	16.07	23.36	-13.04	1.23	1.02	6.89
2,552.00	7.09	61.51	2,550.03	21.81	32.53	-17.60	1.37	0.99	8.18
2,647.00	7.56	70.61	2,644.26	26.68	43.58	-21.06	1.32	0.49	9.58



Survey Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 503H
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Well:	503H	North Reference:	True
Wellbore:	OH / 67178	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 489)	Database:	USA Compass

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)
2,742.00	7.49	73.21	2,738.44	30.55	55.40	-23.43	0.37	-0.07	2.74
2,836.00	8.34	78.94	2,831.55	33.63	67.96	-24.92	1.23	0.90	6.10
2,931.00	9.85	85.95	2,925.35	35.52	82.83	-24.95	1.97	1.59	7.38
3,026.00	10.97	97.13	3,018.80	34.97	99.90	-22.29	2.43	1.18	11.77
3,121.00	13.12	103.59	3,111.70	31.32	119.35	-16.24	2.67	2.26	6.80
3,216.00	13.57	102.77	3,204.14	26.32	140.70	-8.63	0.51	0.47	-0.86
3,310.00	13.95	103.12	3,295.44	21.31	162.49	-0.95	0.41	0.40	0.37
3,405.00	14.39	101.67	3,387.55	16.32	185.21	6.82	0.60	0.46	-1.53
3,500.00	14.66	100.78	3,479.51	11.69	208.58	14.33	0.37	0.28	-0.94
3,595.00	15.07	99.72	3,571.33	7.35	232.56	21.61	0.52	0.43	-1.12
3,689.00	15.23	98.87	3,662.07	3.39	256.80	28.56	0.29	0.17	-0.90
3,784.00	14.20	105.33	3,753.96	-1.62	280.37	36.45	2.04	-1.08	6.80
3,878.00	13.32	103.91	3,845.26	-7.27	302.00	44.75	1.00	-0.94	-1.51
3,973.00	12.48	102.81	3,937.86	-12.18	322.63	52.18	0.92	-0.88	-1.16
4,068.00	12.65	108.19	4,030.59	-17.70	342.53	60.14	1.24	0.18	5.66
4,162.00	11.90	107.31	4,122.44	-23.80	361.56	68.55	0.82	-0.80	-0.94
4,256.00	12.50	105.90	4,214.32	-29.47	380.59	76.54	0.71	0.64	-1.50
4,351.00	12.55	107.58	4,307.06	-35.40	400.32	84.88	0.39	0.05	1.77
4,447.00	12.54	108.71	4,400.76	-41.89	420.13	93.79	0.26	-0.01	1.18
4,542.00	13.25	106.63	4,493.37	-48.32	440.34	102.67	0.89	0.75	-2.19
4,637.00	15.56	107.56	4,585.37	-55.28	462.92	112.39	2.44	2.43	0.98
4,732.00	15.89	103.95	4,676.82	-62.26	487.69	122.39	1.09	0.35	-3.80
4,826.00	16.45	106.26	4,767.10	-69.09	512.95	132.31	0.91	0.60	2.46
4,921.00	17.41	104.54	4,857.99	-76.42	539.63	142.90	1.14	1.01	-1.81
5,016.00	18.33	103.13	4,948.40	-83.38	567.93	153.33	1.07	0.97	-1.48
5,110.00	19.20	102.92	5,037.40	-90.20	597.39	163.75	0.93	0.93	-0.22
5,205.00	18.65	104.84	5,127.27	-97.58	627.30	174.79	0.87	-0.58	2.02
5,300.00	17.68	106.28	5,217.53	-105.52	655.83	186.21	1.13	-1.02	1.52
5,395.00	18.21	108.16	5,307.91	-114.19	683.78	198.29	0.83	0.56	1.98
5,489.00	17.64	108.50	5,397.35	-123.28	711.25	210.73	0.62	-0.61	0.36
5,559.00	17.11	109.30	5,464.16	-130.05	731.02	219.91	0.83	-0.76	1.14
5,678.00	17.99	108.78	5,577.62	-141.75	764.94	235.73	0.75	0.74	-0.44
5,773.00	18.03	107.87	5,667.96	-150.99	792.83	248.36	0.30	0.04	-0.96
5,868.00	14.65	109.06	5,759.11	-159.43	818.18	259.88	3.58	-3.56	1.25
5,963.00	13.89	108.03	5,851.18	-166.88	840.38	270.04	0.84	-0.80	-1.08
6,058.00	13.46	106.07	5,943.49	-173.47	861.85	279.25	0.67	-0.45	-2.06
6,152.00	13.03	105.52	6,034.99	-179.33	882.57	287.64	0.48	-0.46	-0.59
6,247.00	12.85	104.20	6,127.57	-184.79	903.13	295.61	0.36	-0.19	-1.39
6,341.00	12.72	102.72	6,219.24	-189.63	923.36	302.93	0.37	-0.14	-1.57
6,436.00	12.82	100.15	6,311.89	-193.79	943.94	309.61	0.61	0.11	-2.71
6,530.00	12.76	98.92	6,403.56	-197.24	964.46	315.59	0.30	-0.06	-1.31
6,625.00	13.07	107.97	6,496.17	-202.18	985.04	323.05	2.15	0.33	9.53
6,720.00	13.24	111.43	6,588.68	-209.47	1,005.39	332.81	0.85	0.18	3.64



Survey Report



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Site:	Chorizo 12 State Com	MD Reference:	RKB @ 3696.80usft (H&P 489)
Well:	503H	North Reference:	True
Wellbore:	OH / 67178	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 489)	Database:	USA Compass

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)
6,815.00	13.02	109.70	6,681.19	-217.05	1,025.59	342.84	0.47	-0.23	-1.82
6,909.00	12.57	108.90	6,772.86	-223.93	1,045.23	352.11	0.51	-0.48	-0.85
7,004.00	11.76	108.44	6,865.73	-230.35	1,064.20	360.83	0.86	-0.85	-0.48
7,100.00	10.79	108.00	6,959.87	-236.22	1,082.03	368.87	1.01	-1.01	-0.46
7,194.00	10.44	107.83	7,052.26	-241.54	1,098.50	376.21	0.37	-0.37	-0.18
7,289.00	9.12	107.62	7,145.88	-246.46	1,113.87	382.99	1.39	-1.39	-0.22
7,384.00	8.85	106.65	7,239.71	-250.83	1,128.05	389.10	0.33	-0.28	-1.02
7,479.00	8.36	107.63	7,333.64	-255.02	1,141.63	394.94	0.54	-0.52	1.03
7,573.00	7.97	106.58	7,426.69	-258.95	1,154.39	400.42	0.44	-0.41	-1.12
7,668.00	7.10	105.04	7,520.87	-262.35	1,166.37	405.29	0.94	-0.92	-1.62
7,763.00	6.28	104.82	7,615.22	-265.20	1,177.07	409.45	0.86	-0.86	-0.23
7,858.00	5.73	104.80	7,709.70	-267.74	1,186.67	413.16	0.58	-0.58	-0.02
7,953.00	5.55	104.54	7,804.24	-270.11	1,195.71	416.63	0.19	-0.19	-0.27
8,048.00	5.12	103.84	7,898.83	-272.27	1,204.27	419.85	0.46	-0.45	-0.74
8,142.00	4.77	103.66	7,992.48	-274.20	1,212.14	422.74	0.37	-0.37	-0.19
8,237.00	4.55	102.10	8,087.17	-275.92	1,219.66	425.38	0.27	-0.23	-1.64
8,332.00	3.75	97.77	8,181.92	-277.13	1,226.42	427.42	0.90	-0.84	-4.56
8,427.00	3.39	91.84	8,276.73	-277.64	1,232.31	428.66	0.54	-0.38	-6.24
8,522.00	3.11	86.50	8,371.58	-277.58	1,237.69	429.26	0.43	-0.29	-5.62
8,617.00	2.94	79.86	8,466.45	-276.99	1,242.66	429.30	0.41	-0.18	-6.99
8,712.00	2.48	77.02	8,561.34	-276.10	1,247.06	428.96	0.50	-0.48	-2.99
8,806.00	2.03	64.82	8,655.27	-274.93	1,250.55	428.24	0.70	-0.48	-12.98
8,901.00	1.83	50.32	8,750.21	-273.25	1,253.24	426.90	0.55	-0.21	-15.26
8,996.00	1.69	59.51	8,845.17	-271.57	1,255.61	425.53	0.33	-0.15	9.67
9,090.00	1.44	65.59	8,939.14	-270.38	1,257.88	424.63	0.32	-0.27	6.47
9,170.00	1.15	102.00	9,019.12	-270.13	1,259.59	424.59	1.07	-0.36	45.51
9,265.00	0.66	123.06	9,114.10	-270.63	1,260.98	425.26	0.62	-0.52	22.17
9,359.00	0.07	71.74	9,208.10	-270.90	1,261.48	425.60	0.66	-0.63	-54.60
9,454.00	0.62	335.67	9,303.10	-270.42	1,261.33	425.10	0.66	0.58	-101.13
9,548.00	1.75	322.12	9,397.08	-268.82	1,260.24	423.38	1.23	1.20	-14.41
9,643.00	1.85	322.64	9,492.03	-266.46	1,258.42	420.81	0.11	0.11	0.55
9,738.00	1.40	306.76	9,586.99	-264.54	1,256.56	418.68	0.67	-0.47	-16.72
9,873.00	1.34	289.69	9,721.96	-263.03	1,253.75	416.82	0.30	-0.04	-12.64
9,968.00	5.81	185.68	9,816.79	-267.44	1,252.22	421.01	6.60	4.71	-109.48
10,063.00	19.95	186.43	9,909.17	-288.44	1,249.92	441.56	14.88	14.88	0.79
10,158.00	28.42	179.77	9,995.77	-327.23	1,248.19	479.83	9.35	8.92	-7.01
10,253.00	40.27	178.26	10,074.07	-380.71	1,249.22	533.03	12.51	12.47	-1.59
10,348.00	45.96	179.19	10,143.39	-445.60	1,250.64	597.59	6.03	5.99	0.98
10,443.00	52.68	179.51	10,205.28	-517.60	1,251.44	669.13	7.08	7.07	0.34
10,538.00	64.27	179.83	10,254.86	-598.44	1,251.90	749.40	12.20	12.20	0.34
10,597.00	67.37	180.76	10,279.03	-652.25	1,251.61	802.76	5.45	5.25	1.58
10,644.00	71.93	180.59	10,295.37	-696.31	1,251.10	846.41	9.71	9.70	-0.36
10,738.00	73.06	178.18	10,323.65	-785.94	1,252.06	935.47	2.72	1.20	-2.56



Survey Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 503H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3696.80usft (H&P 489)
Site:	Chorizo 12 State Com	MD Reference:	RKB @ 3696.80usft (H&P 489)
Well:	503H	North Reference:	True
Wellbore:	OH / 67178	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 489)	Database:	USA Compass

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)
10,833.00	79.09	177.10	10,346.50	-878.02	1,255.87	1,027.31	6.44	6.35	-1.14
10,927.00	86.62	177.19	10,358.18	-971.11	1,260.51	1,120.25	8.01	8.01	0.10
11,021.00	90.55	181.30	10,360.50	-1,065.03	1,261.75	1,213.60	6.05	4.18	4.37
11,116.00	89.36	180.57	10,360.58	-1,160.02	1,260.20	1,307.66	1.47	-1.25	-0.77
11,211.00	89.51	178.48	10,361.51	-1,255.01	1,260.98	1,402.01	2.21	0.16	-2.20
11,306.00	90.08	178.24	10,361.85	-1,349.97	1,263.70	1,496.57	0.65	0.60	-0.25
11,400.00	91.19	179.27	10,360.81	-1,443.94	1,265.74	1,590.06	1.61	1.18	1.10
11,495.00	86.90	178.53	10,362.40	-1,538.88	1,267.57	1,684.50	4.58	-4.52	-0.78
11,591.00	86.23	177.59	10,368.15	-1,634.65	1,270.81	1,779.93	1.20	-0.70	-0.98
11,685.00	86.29	176.91	10,374.28	-1,728.34	1,275.31	1,873.46	0.72	0.06	-0.72
11,780.00	87.34	176.26	10,379.56	-1,823.03	1,280.96	1,968.11	1.30	1.11	-0.68
11,875.00	87.97	176.31	10,383.44	-1,917.75	1,287.11	2,062.86	0.67	0.66	0.05
11,969.00	88.95	176.56	10,385.97	-2,011.53	1,292.95	2,156.64	1.08	1.04	0.27
12,064.00	89.84	176.19	10,386.97	-2,106.33	1,298.96	2,251.45	1.01	0.94	-0.39
12,159.00	90.47	176.31	10,386.72	-2,201.13	1,305.17	2,346.29	0.68	0.66	0.13
12,254.00	91.42	176.74	10,385.15	-2,295.94	1,310.93	2,441.08	1.10	1.00	0.45
12,349.00	89.82	178.31	10,384.12	-2,390.84	1,315.03	2,535.75	2.36	-1.68	1.65
12,444.00	88.90	175.92	10,385.18	-2,485.71	1,319.81	2,630.48	2.70	-0.97	-2.52
12,538.00	88.98	174.97	10,386.92	-2,579.39	1,327.28	2,724.36	1.01	0.09	-1.01
12,633.00	89.48	175.01	10,388.20	-2,674.02	1,335.57	2,819.29	0.53	0.53	0.04
12,727.00	89.47	174.03	10,389.06	-2,767.59	1,344.55	2,913.24	1.04	-0.01	-1.04
12,822.00	89.65	173.64	10,389.79	-2,862.03	1,354.75	3,008.23	0.45	0.19	-0.41
12,917.00	89.08	175.94	10,390.84	-2,956.63	1,363.38	3,103.16	2.49	-0.60	2.42
13,012.00	89.45	175.53	10,392.06	-3,051.36	1,370.44	3,198.03	0.58	0.39	-0.43
13,106.00	90.32	179.41	10,392.25	-3,145.25	1,374.59	3,291.71	4.23	0.93	4.13
13,201.00	89.92	180.96	10,392.05	-3,240.24	1,374.28	3,385.93	1.69	-0.42	1.63
13,296.00	90.67	179.90	10,391.56	-3,335.24	1,373.57	3,480.10	1.37	0.79	-1.12
13,391.00	90.39	181.47	10,390.68	-3,430.22	1,372.43	3,574.21	1.68	-0.29	1.65
13,485.00	90.52	182.28	10,389.94	-3,524.17	1,369.36	3,667.04	0.87	0.14	0.86
13,580.00	90.69	181.21	10,388.93	-3,619.12	1,366.47	3,760.90	1.14	0.18	-1.13
13,674.00	88.85	182.03	10,389.31	-3,713.08	1,363.81	3,853.80	2.14	-1.96	0.87
13,769.00	89.76	182.62	10,390.46	-3,807.99	1,359.96	3,947.49	1.14	0.96	0.62
13,864.00	90.73	181.30	10,390.06	-3,902.93	1,356.71	4,041.29	1.72	1.02	-1.39
13,959.00	88.17	181.11	10,390.97	-3,997.90	1,354.71	4,135.28	2.70	-2.69	-0.20
14,054.00	88.73	180.91	10,393.54	-4,092.85	1,353.03	4,229.28	0.63	0.59	-0.21
14,149.00	88.44	180.82	10,395.88	-4,187.81	1,351.60	4,323.33	0.32	-0.31	-0.09
14,244.00	88.53	180.03	10,398.40	-4,282.77	1,350.90	4,417.47	0.84	0.09	-0.83
14,338.00	88.81	179.03	10,400.58	-4,376.74	1,351.67	4,510.80	1.10	0.30	-1.06
14,433.00	89.81	178.25	10,401.72	-4,471.70	1,353.92	4,605.31	1.33	1.05	-0.82
14,528.00	90.69	177.68	10,401.31	-4,566.64	1,357.30	4,699.93	1.10	0.93	-0.60
14,623.00	91.13	177.81	10,399.80	-4,661.56	1,361.03	4,794.58	0.48	0.46	0.14
14,718.00	92.43	177.34	10,396.85	-4,756.42	1,365.05	4,889.21	1.46	1.37	-0.49
14,813.00	93.20	177.45	10,392.18	-4,851.21	1,369.36	4,983.79	0.82	0.81	0.12
14,907.00	91.98	177.94	10,387.93	-4,945.04	1,373.14	5,077.36	1.40	-1.30	0.52



Survey Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 503H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3696.80usft (H&P 489)
Site:	Chorizo 12 State Com	MD Reference:	RKB @ 3696.80usft (H&P 489)
Well:	503H	North Reference:	True
Wellbore:	OH / 67178	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 489)	Database:	USA Compass

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)
15,002.00	93.35	178.33	10,383.52	-5,039.88	1,376.23	5,171.86	1.50	1.44	0.41
15,096.00	91.04	182.50	10,379.92	-5,133.78	1,375.55	5,264.94	5.07	-2.46	4.44
15,191.00	89.05	184.70	10,379.84	-5,228.58	1,369.58	5,358.27	3.12	-2.09	2.32
15,286.00	87.48	184.94	10,382.72	-5,323.20	1,361.60	5,451.16	1.67	-1.65	0.25
15,381.00	87.14	184.48	10,387.18	-5,417.78	1,353.81	5,544.03	0.60	-0.36	-0.48
15,476.00	87.51	184.76	10,391.61	-5,512.36	1,346.17	5,636.94	0.49	0.39	0.29
15,571.00	88.02	184.55	10,395.31	-5,606.98	1,338.46	5,729.86	0.58	0.54	-0.22
15,666.00	88.20	184.39	10,398.45	-5,701.64	1,331.06	5,822.87	0.25	0.19	-0.17
15,761.00	88.39	184.10	10,401.27	-5,796.33	1,324.03	5,915.96	0.36	0.20	-0.31
15,856.00	86.60	181.75	10,405.43	-5,891.11	1,319.19	6,009.39	3.11	-1.88	-2.47
15,950.00	88.24	181.05	10,409.66	-5,984.98	1,316.90	6,102.25	1.90	1.74	-0.74
16,045.00	87.88	180.06	10,412.87	-6,079.92	1,315.98	6,196.34	1.11	-0.38	-1.04
16,140.00	88.02	179.83	10,416.27	-6,174.86	1,316.07	6,290.56	0.28	0.15	-0.24
16,235.00	89.96	177.97	10,417.95	-6,269.82	1,317.89	6,385.01	2.83	2.04	-1.96
16,329.00	91.90	178.03	10,416.42	-6,363.75	1,321.17	6,478.61	2.06	2.06	0.06
16,424.00	91.33	177.21	10,413.74	-6,458.63	1,325.11	6,573.25	1.05	-0.60	-0.86
16,519.00	92.35	176.99	10,410.69	-6,553.45	1,329.92	6,667.94	1.10	1.07	-0.23
16,613.00	92.66	177.09	10,406.59	-6,647.24	1,334.77	6,761.60	0.35	0.33	0.11
16,708.00	91.58	177.37	10,403.07	-6,742.06	1,339.36	6,856.25	1.17	-1.14	0.29
16,803.00	92.50	178.53	10,399.69	-6,836.94	1,342.75	6,950.82	1.56	0.97	1.22
16,897.00	92.96	178.33	10,395.21	-6,930.79	1,345.32	7,044.27	0.53	0.49	-0.21
16,992.00	92.06	180.05	10,391.05	-7,025.69	1,346.67	7,138.59	2.04	-0.95	1.81
17,087.00	90.49	181.28	10,388.94	-7,120.65	1,345.56	7,232.68	2.10	-1.65	1.29
17,181.00	89.10	181.62	10,389.27	-7,214.62	1,343.18	7,325.63	1.52	-1.48	0.36
17,275.00	89.42	180.68	10,390.49	-7,308.59	1,341.30	7,418.63	1.06	0.34	-1.00
17,370.00	89.64	180.08	10,391.27	-7,403.59	1,340.67	7,512.81	0.67	0.23	-0.63
17,465.00	89.44	179.19	10,392.03	-7,498.58	1,341.27	7,607.15	0.96	-0.21	-0.94
17,559.00	89.61	178.70	10,392.81	-7,592.56	1,343.00	7,700.61	0.55	0.18	-0.52
17,654.00	90.05	178.12	10,393.09	-7,687.53	1,345.64	7,795.17	0.77	0.46	-0.61
17,748.00	90.36	177.58	10,392.75	-7,781.46	1,349.17	7,888.81	0.66	0.33	-0.57
17,843.00	90.48	177.31	10,392.06	-7,876.36	1,353.40	7,983.50	0.31	0.13	-0.28
17,938.00	90.78	176.67	10,391.01	-7,971.22	1,358.39	8,078.25	0.74	0.32	-0.67
18,033.00	89.82	179.14	10,390.52	-8,066.15	1,361.86	8,172.87	2.79	-1.01	2.60
18,128.00	89.90	178.80	10,390.75	-8,161.13	1,363.57	8,267.33	0.37	0.08	-0.36
18,223.00	87.97	178.88	10,392.51	-8,256.09	1,365.49	8,361.79	2.03	-2.03	0.08
18,317.00	88.04	177.99	10,395.79	-8,350.00	1,368.06	8,455.29	0.95	0.07	-0.95
18,412.00	88.45	179.09	10,398.70	-8,444.92	1,370.48	8,549.78	1.24	0.43	1.16
18,507.00	88.75	179.37	10,401.02	-8,539.89	1,371.75	8,644.16	0.43	0.32	0.29
18,602.00	89.24	178.86	10,402.68	-8,634.86	1,373.22	8,738.58	0.74	0.52	-0.54
18,696.00	89.56	180.23	10,403.67	-8,728.85	1,373.97	8,831.94	1.50	0.34	1.46
18,791.00	90.22	180.00	10,403.85	-8,823.85	1,373.78	8,926.18	0.74	0.69	-0.24
18,886.00	90.88	180.17	10,402.94	-8,918.84	1,373.64	9,020.42	0.72	0.69	0.18
18,980.00	91.04	179.80	10,401.36	-9,012.83	1,373.66	9,113.68	0.43	0.17	-0.39



Survey Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 503H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3696.80usft (H&P 489)
Site:	Chorizo 12 State Com	MD Reference:	RKB @ 3696.80usft (H&P 489)
Well:	503H	North Reference:	True
Wellbore:	OH / 67178	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 489)	Database:	USA Compass

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)	
19,074.00	89.82	181.94	10,400.66	-9,106.81	1,372.23	9,206.75	2.62	-1.30	2.28	
19,168.00	90.24	182.00	10,400.61	-9,200.75	1,369.00	9,299.56	0.45	0.45	0.06	
19,263.00	91.02	181.55	10,399.56	-9,295.70	1,366.06	9,393.41	0.95	0.82	-0.47	
19,358.00	88.99	182.21	10,399.56	-9,390.64	1,362.94	9,487.23	2.25	-2.14	0.69	
19,453.00	88.42	181.62	10,401.70	-9,485.57	1,359.77	9,581.02	0.86	-0.60	-0.62	
19,548.00	87.28	180.62	10,405.27	-9,580.48	1,357.91	9,674.97	1.60	-1.20	-1.05	
19,643.00	88.47	179.53	10,408.79	-9,675.41	1,357.79	9,769.15	1.70	1.25	-1.15	
19,737.00	88.93	178.41	10,410.92	-9,769.37	1,359.48	9,862.59	1.29	0.49	-1.19	
19,832.00	89.19	177.39	10,412.48	-9,864.29	1,362.96	9,957.21	1.11	0.27	-1.07	
19,927.00	89.90	179.92	10,413.23	-9,959.25	1,365.19	10,051.71	2.77	0.75	2.66	
20,022.00	90.47	179.32	10,412.93	-10,054.25	1,365.82	10,146.05	0.87	0.60	-0.63	
20,117.00	91.02	181.89	10,411.69	-10,149.23	1,364.82	10,240.16	2.77	0.58	2.71	
20,211.00	91.52	181.47	10,409.61	-10,243.16	1,362.06	10,333.03	0.69	0.53	-0.45	
20,306.00	92.17	180.82	10,406.55	-10,338.10	1,360.16	10,426.99	0.97	0.68	-0.68	
20,401.00	90.27	180.87	10,404.53	-10,433.06	1,358.76	10,521.04	2.00	-2.00	0.05	
20,495.00	89.96	181.29	10,404.34	-10,527.04	1,356.99	10,614.08	0.56	-0.33	0.45	
20,641.00	90.50	180.13	10,403.75	-10,673.03	1,355.18	10,758.70	0.88	0.37	-0.79	
Final Phoenix MWD Survey										
20,700.00	90.50	180.13	10,403.24	-10,732.02	1,355.05	10,817.23	0.00	0.00	0.00	
Projection to TD										

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
1,882.00				Tie In	
1,983.00	1,982.91	-3.73	-3.10	First Phoenix MWD Survey	
20,641.00	10,403.75	-10,673.03	1,355.18	Final Phoenix MWD Survey	
20,700.00	10,403.24	-10,732.02	1,355.05	Projection to TD	

District I

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District II

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

ACKNOWLEDGMENTS

Action 28279

ACKNOWLEDGMENTS

Operator: CENTENNIAL RESOURCE PRODUCTION, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 28279
	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.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
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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 28279

CONDITIONS

Operator: CENTENNIAL RESOURCE PRODUCTION, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 28279
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	7/21/2021