

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 RT 3/13/21
⁴ API Number 30 - 0 25-47958	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 501H

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 880	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 2527	North/South line North	Feet from the 336	East/West line West	County Lea
¹² Lse Code S	¹³ Producing Method Code F	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date		

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
372603	3 Bear Field Services, LLC	G/O
	Oryx Delaware Oil Gathering NM, LLC	O

IV. Well Completion Data

²¹ Spud Date 12/2/20	²² Ready Date 3/13/21	²³ TD 20,597MD/10,374TVD	²⁴ PBTD 20,551	²⁵ Perforations 10,803 - 20,547	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
17-1/2		13-3/8	1870		1270
12-1/4		9-5/8	5616		1180
8-3/4 , 8-1/2		5-1/2	20,587		2575
		Request tubing exception			

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 Castillo			Approved by: Kurt Simmons		
Title: Sr. Regulatory Analyst			Title: NMOC		
E-mail Address: kanicia.castillo@cdevinc.com			Approval Date: 03/16/2021		
Date: 3/12/21		Phone: 720-499-1537	RT C-104 valid through 06/14/2021.		

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name CHORIZO 12 STATE COM		⁶ Well Number 501H
⁷ OGRID No.	⁸ Operator Name CENTENNIAL RESOURCE PRODUCTION, LLC		⁹ Elevation 3669.9'

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 880	East/West line WEST	County LEA
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. E	Section 12	Township 22S	Range 34E	Lot Idn	Feet from the 2527	North/South line NORTH	Feet from the 336	East/West line WEST	County LEA
¹² Dedicated Acres 644.91		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°25'45.25" (103.429236°)	
STATE PLANE NAD 83 (NM EAST)	
Y: 523512.15' X: 820267.53'	
UTM, NAD 83 (ZONE 13)	
Y: 1177685.08' X: 2124892.82'	

NAD 83 (AS-DRILLED FTP)	
LATITUDE = 32°26'00.36" (32.433433°)	
LONGITUDE = 103°25'51.71" (103.431031°)	
STATE PLANE NAD 83 (NM EAST)	
Y: 522589.70' X: 819721.67'	
UTM, NAD 83 (ZONE 13)	
Y: 11776759.37' X: 2124352.80'	

NAD 83 (AS-DRILLED LTP)	
LATITUDE = 32°24'24.00" (32.406667°)	
LONGITUDE = 103°25'51.79" (103.431052°)	
STATE PLANE NAD 83 (NM EAST)	
Y: 512851.99' X: 819797.36'	
UTM, NAD 83 (ZONE 13)	
Y: 11767023.58' X: 2124489.23'	

NAD 83 (AS-DRILLED BHL)	
LATITUDE = 32°24'23.51" (32.406530°)	
LONGITUDE = 103°25'51.79" (103.431052°)	
STATE PLANE NAD 83 (NM EAST)	
Y: 512802.06' X: 819797.70'	
UTM, NAD 83 (ZONE 13)	
Y: 11766973.65' X: 2124489.89'	

Section 36
 880' SHL
 2467'
 325'
 1902'
 As-Drilled FTP
 920' SOUTH OF WELL
 550' WEST OF WELL
 M.D. 10,803'
 Inclination 79.2

Section 1
 LOT 4 42.42 Acres
 LOT 3 42.49 Acres
 LOT 2 42.57 Acres
 LOT 1 42.64 Acres

Section 12
 336'
 114'
 AS-DRILLED LTP & BHL

Section Corner Bearings and Distances:
 T21S T22S
 N00713°05'W 2641.93' (Meas.)
 N00719°17'W 2644.40' (Meas.)
 N00705°18'W 5360.16' (Meas.)
 N00706°23'W 2640.86' (Meas.)
 N00706°20'W 2639.76' (Meas.)
 N00706°47'W 2637.48' (Meas.)
 N00712°03'W 2641.25' (Meas.)
 N00700°48'E 2641.76' (Meas.)
 S89°39'25"W 5287.27' (Meas.)
 S89°42'15"W 2640.22' (Meas.)
 S89°37'34"W 2639.85' (Meas.)
 S89°45'15"W 2639.09' (Meas.)
 S89°41'17"W 2642.31' (Meas.)
 S89°41'55"W 2632.16' (Meas.)
 S89°47'40"W 2648.10' (Meas.)

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 _____ Date _____

Printed Name _____

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
- ▲ = SECTION CORNER LOCATED

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

APPROXIMATE WELL BORE DISTANCE FROM FTP TO LTP

SECTION 36	1,902.65'
SECTION 1	5,362.62'
SECTION 12	2,476.93'
TOTAL	9,742.20'

See Detail "A"

Detail "A" No Scale

Proposed Well Bore
 As-Drilled LTP
 10,660' SOUTH OF WELL
 515' WEST OF WELL
 M.D. 20,547'
 Inclination 92.6
 336'
 336'
 164'
 114'
 2527'
 1/4 Section Line
 As-Drilled BHL
 10,710' SOUTH OF WELL
 515' WEST OF WELL
 M.D. 20,597'
 Inclination 92.6



Centennial Resources Development, Inc.

**Lea County, NM (NAD83 - UTM Zone 13)
Chorizo 12 State Com
501H**

OH / 67176

Survey: Phoenix MWD Surveys

Standard Survey Report

05 February, 2021





Survey Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 501H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3695.90usft (H&P 489)
Site:	Chorizo 12 State Com	MD Reference:	RKB @ 3695.90usft (H&P 489)
Well:	501H	North Reference:	True
Wellbore:	OH / 67176	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	501H		
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 / 67176		
Magnetics	Model Name	Sample Date	Declination (°)
	MVHD	1/15/2021	6.49
			Dip Angle (°)
			60.17
			Field Strength (nT)
			47,907.63680574

Design	Surveys (H&P 489)		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (°)
			183.03

Survey Program	Date 2/5/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
111.10	5,581.40	Gyro Surveys (OH / 67176)	NS-GYRO-MS
5,679.00	20,597.00	Phoenix MWD Surveys (OH / 67176)	MWD+IFR1+MS
			Description
			North sensing gyrocompassing m/s
			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)
5,581.40	16.90	237.51	5,510.99	-306.13	-569.25	335.79	0.00	0.00	0.00
Tie In									
5,679.00	13.70	241.61	5,605.12	-319.25	-591.39	350.06	3.46	-3.28	4.20
First Phoenix MWD Survey									
5,773.00	8.58	238.22	5,697.32	-328.24	-607.16	359.87	5.49	-5.45	-3.61
5,868.00	6.55	251.80	5,791.50	-333.66	-618.33	365.88	2.83	-2.14	14.29
5,963.00	3.49	260.68	5,886.12	-335.82	-626.33	368.46	3.31	-3.22	9.35
6,058.00	0.90	339.72	5,981.06	-335.59	-629.44	368.39	3.62	-2.73	83.20
6,152.00	3.17	22.48	6,074.99	-332.50	-628.71	365.26	2.75	2.41	45.49



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Site:	Chorizo 12 State Com	MD Reference:	RKB @ 3695.90usft (H&P 489)
Well:	501H	North Reference:	True
Wellbore:	OH / 67176	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)	
6,247.00	3.97	21.01	6,169.81	-327.00	-626.52	359.66	0.85	0.84	-1.55	
6,341.00	4.30	19.38	6,263.57	-320.64	-624.19	353.18	0.37	0.35	-1.73	
6,436.00	4.44	18.61	6,358.29	-313.79	-621.83	346.22	0.16	0.15	-0.81	
6,531.00	4.25	18.68	6,453.02	-306.97	-619.53	339.29	0.20	-0.20	0.07	
6,625.00	4.05	18.91	6,546.77	-300.53	-617.34	332.74	0.21	-0.21	0.24	
6,720.00	4.00	21.42	6,641.54	-294.27	-615.04	326.37	0.19	-0.05	2.64	
6,815.00	4.07	19.06	6,736.30	-288.00	-612.73	319.99	0.19	0.07	-2.48	
6,910.00	3.72	17.46	6,831.08	-281.88	-610.71	313.76	0.39	-0.37	-1.68	
7,005.00	3.61	18.57	6,925.89	-276.10	-608.83	307.90	0.14	-0.12	1.17	
7,100.00	3.63	19.11	7,020.70	-270.43	-606.89	302.13	0.04	0.02	0.57	
7,194.00	3.03	13.98	7,114.54	-265.20	-605.32	296.83	0.71	-0.64	-5.46	
7,289.00	2.87	18.10	7,209.41	-260.51	-603.97	292.07	0.28	-0.17	4.34	
7,384.00	2.41	24.00	7,304.31	-256.42	-602.42	287.91	0.56	-0.48	6.21	
7,479.00	2.26	30.69	7,399.23	-252.99	-600.65	284.38	0.33	-0.16	7.04	
7,574.00	2.26	62.26	7,494.16	-250.50	-598.04	281.76	1.29	0.00	33.23	
7,669.00	2.16	28.21	7,589.09	-248.05	-595.53	279.19	1.37	-0.11	-35.84	
7,764.00	1.96	27.01	7,684.03	-245.03	-593.95	276.08	0.22	-0.21	-1.26	
7,859.00	1.57	26.18	7,778.99	-242.41	-592.64	273.40	0.41	-0.41	-0.87	
7,953.00	1.64	31.74	7,872.95	-240.11	-591.36	271.04	0.18	0.07	5.91	
8,048.00	1.37	36.82	7,967.92	-238.05	-589.97	268.90	0.32	-0.28	5.35	
8,143.00	1.30	44.84	8,062.89	-236.37	-588.53	267.15	0.21	-0.07	8.44	
8,238.00	1.14	45.75	8,157.87	-234.95	-587.09	265.66	0.17	-0.17	0.96	
8,333.00	1.51	60.32	8,252.85	-233.67	-585.32	264.28	0.52	0.39	15.34	
8,428.00	1.58	59.69	8,347.81	-232.39	-583.11	262.89	0.08	0.07	-0.66	
8,522.00	1.74	67.60	8,441.77	-231.19	-580.67	261.56	0.30	0.17	8.41	
8,617.00	2.77	95.60	8,536.70	-230.87	-577.05	261.05	1.56	1.08	29.47	
8,712.00	4.00	109.23	8,631.53	-232.18	-571.64	262.07	1.54	1.29	14.35	
8,807.00	3.77	109.56	8,726.32	-234.32	-565.56	263.89	0.24	-0.24	0.35	
8,901.00	3.35	119.08	8,820.13	-236.69	-560.25	265.97	0.77	-0.45	10.13	
8,996.00	1.67	132.59	8,915.04	-238.98	-556.81	268.07	1.86	-1.77	14.22	
9,091.00	1.72	158.78	9,010.00	-241.24	-555.27	270.26	0.81	0.05	27.57	
9,185.00	2.07	183.09	9,103.95	-244.25	-554.85	273.24	0.92	0.37	25.86	
9,280.00	2.37	181.41	9,198.88	-247.93	-554.99	276.92	0.32	0.32	-1.77	
9,375.00	2.79	163.17	9,293.78	-252.11	-554.37	281.06	0.97	0.44	-19.20	
9,470.00	3.01	158.66	9,388.66	-256.64	-552.80	285.50	0.33	0.23	-4.75	
9,564.00	2.48	173.78	9,482.56	-260.96	-551.68	289.76	0.95	-0.56	16.09	
9,659.00	2.50	170.05	9,577.47	-265.05	-551.10	293.81	0.17	0.02	-3.93	
9,754.00	2.63	174.12	9,672.37	-269.26	-550.52	297.98	0.24	0.14	4.28	
9,812.00	2.22	169.37	9,730.32	-271.68	-550.17	300.38	0.79	-0.71	-8.19	
9,872.00	2.79	175.94	9,790.26	-274.28	-549.85	302.96	1.06	0.95	10.95	
9,967.00	15.98	186.13	9,883.79	-289.66	-551.09	318.38	13.94	13.88	10.73	
10,062.00	25.38	183.18	9,972.57	-323.06	-553.62	351.88	9.95	9.89	-3.11	
10,157.00	34.44	184.91	10,054.83	-370.26	-557.06	399.18	9.58	9.54	1.82	



Survey Report



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Site:	Chorizo 12 State Com	MD Reference:	RKB @ 3695.90usft (H&P 489)
Well:	501H	North Reference:	True
Wellbore:	OH / 67176	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)
10,251.00	43.95	181.57	10,127.61	-429.49	-560.24	458.50	10.36	10.12	-3.55
10,346.00	52.19	178.43	10,191.04	-500.09	-560.11	529.00	9.01	8.67	-3.31
10,441.00	58.89	182.23	10,244.78	-578.35	-560.67	607.18	7.78	7.05	4.00
10,535.00	68.20	180.81	10,286.61	-662.38	-562.85	691.21	10.00	9.90	-1.51
10,616.00	71.17	179.42	10,314.73	-738.33	-563.00	767.06	4.00	3.67	-1.72
10,711.00	73.31	176.87	10,343.71	-828.74	-560.06	857.19	3.41	2.25	-2.68
10,783.00	76.93	174.95	10,362.20	-898.13	-555.09	926.22	5.65	5.03	-2.67
10,846.00	84.08	176.69	10,372.58	-960.06	-550.57	987.82	11.67	11.35	2.76
10,877.00	89.19	177.76	10,374.40	-990.96	-549.07	1,018.60	16.84	16.48	3.45
10,971.00	90.19	179.39	10,374.91	-1,084.93	-546.73	1,112.31	2.03	1.06	1.73
11,066.00	88.88	179.26	10,375.68	-1,179.92	-545.62	1,207.11	1.39	-1.38	-0.14
11,161.00	88.48	177.60	10,377.87	-1,274.85	-543.01	1,301.77	1.80	-0.42	-1.75
11,255.00	88.11	179.68	10,380.67	-1,368.78	-540.78	1,395.45	2.25	-0.39	2.21
11,350.00	87.42	179.65	10,384.37	-1,463.70	-540.23	1,490.21	0.73	-0.73	-0.03
11,445.00	88.73	180.62	10,387.56	-1,558.65	-540.45	1,585.04	1.72	1.38	1.02
11,540.00	90.39	182.07	10,388.29	-1,653.61	-542.68	1,679.99	2.32	1.75	1.53
11,634.00	91.15	182.23	10,387.03	-1,747.54	-546.21	1,773.97	0.83	0.81	0.17
11,729.00	90.82	182.63	10,385.40	-1,842.44	-550.24	1,868.95	0.55	-0.35	0.42
11,824.00	90.44	182.65	10,384.35	-1,937.33	-554.61	1,963.94	0.40	-0.40	0.02
11,919.00	90.25	181.91	10,383.78	-2,032.25	-558.39	2,058.93	0.80	-0.20	-0.78
12,014.00	91.21	180.87	10,382.57	-2,127.21	-560.69	2,153.88	1.49	1.01	-1.09
12,109.00	90.58	180.75	10,381.09	-2,222.19	-562.04	2,248.80	0.68	-0.66	-0.13
12,203.00	92.73	180.68	10,378.37	-2,316.14	-563.21	2,342.67	2.29	2.29	-0.07
12,298.00	92.44	180.18	10,374.09	-2,411.04	-563.92	2,437.48	0.61	-0.31	-0.53
12,393.00	91.83	179.27	10,370.55	-2,505.97	-563.47	2,532.25	1.15	-0.64	-0.96
12,488.00	91.72	179.48	10,367.61	-2,600.92	-562.43	2,627.02	0.25	-0.12	0.22
12,582.00	91.59	179.01	10,364.89	-2,694.87	-561.19	2,720.77	0.52	-0.14	-0.50
12,677.00	90.86	178.58	10,362.86	-2,789.83	-559.20	2,815.49	0.89	-0.77	-0.45
12,772.00	91.16	178.18	10,361.19	-2,884.78	-556.51	2,910.16	0.53	0.32	-0.42
12,867.00	90.90	179.38	10,359.48	-2,979.74	-554.49	3,004.88	1.29	-0.27	1.26
12,961.00	89.76	179.79	10,358.94	-3,073.73	-553.81	3,098.71	1.29	-1.21	0.44
13,056.00	90.55	179.94	10,358.68	-3,168.73	-553.58	3,193.56	0.85	0.83	0.16
13,150.00	87.57	180.88	10,360.22	-3,262.70	-554.26	3,287.44	3.32	-3.17	1.00
13,245.00	88.42	180.20	10,363.54	-3,357.64	-555.15	3,382.29	1.15	0.89	-0.72
13,340.00	88.48	178.59	10,366.11	-3,452.60	-554.15	3,477.06	1.70	0.06	-1.69
13,435.00	87.37	176.84	10,369.55	-3,547.45	-550.36	3,571.59	2.18	-1.17	-1.84
13,529.00	87.98	177.44	10,373.37	-3,641.26	-545.68	3,665.01	0.91	0.65	0.64
13,624.00	87.73	177.34	10,376.92	-3,736.09	-541.35	3,759.49	0.28	-0.26	-0.11
13,719.00	87.45	176.72	10,380.92	-3,830.88	-536.44	3,853.88	0.72	-0.29	-0.65
13,814.00	88.33	177.78	10,384.42	-3,925.71	-531.88	3,948.33	1.45	0.93	1.12
13,909.00	88.53	178.17	10,387.02	-4,020.61	-528.53	4,042.93	0.46	0.21	0.41
14,004.00	87.50	179.03	10,390.31	-4,115.52	-526.21	4,137.58	1.41	-1.08	0.91
14,099.00	89.10	180.11	10,393.13	-4,210.47	-525.49	4,232.37	2.03	1.68	1.14
14,194.00	88.82	179.88	10,394.85	-4,305.46	-525.49	4,327.22	0.38	-0.29	-0.24



Survey Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 501H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3695.90usft (H&P 489)
Site:	Chorizo 12 State Com	MD Reference:	RKB @ 3695.90usft (H&P 489)
Well:	501H	North Reference:	True
Wellbore:	OH / 67176	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)
14,288.00	90.89	179.56	10,395.09	-4,399.45	-525.03	4,421.05	2.23	2.20	-0.34
14,383.00	90.53	178.68	10,393.91	-4,494.43	-523.57	4,515.82	1.00	-0.38	-0.93
14,478.00	89.68	177.78	10,393.74	-4,589.39	-520.63	4,610.49	1.30	-0.89	-0.95
14,573.00	90.18	180.00	10,393.86	-4,684.36	-518.79	4,705.24	2.40	0.53	2.34
14,668.00	90.27	179.84	10,393.48	-4,779.36	-518.66	4,800.09	0.19	0.09	-0.17
14,762.00	90.87	179.83	10,392.55	-4,873.35	-518.39	4,893.94	0.64	0.64	-0.01
14,857.00	90.08	178.68	10,391.76	-4,968.34	-517.15	4,988.73	1.47	-0.83	-1.21
14,952.00	89.59	179.23	10,392.03	-5,063.32	-515.42	5,083.49	0.78	-0.52	0.58
15,046.00	90.25	180.48	10,392.16	-5,157.32	-515.18	5,177.34	1.50	0.70	1.33
15,141.00	90.79	179.96	10,391.30	-5,252.32	-515.55	5,272.22	0.79	0.57	-0.55
15,236.00	89.19	182.26	10,391.32	-5,347.29	-517.39	5,367.16	2.95	-1.68	2.42
15,331.00	89.36	183.57	10,392.52	-5,442.16	-522.22	5,462.15	1.39	0.18	1.38
15,426.00	88.67	183.08	10,394.15	-5,536.98	-527.73	5,557.14	0.89	-0.73	-0.52
15,521.00	85.56	182.08	10,398.93	-5,631.75	-532.00	5,652.00	3.44	-3.27	-1.05
15,616.00	87.85	181.37	10,404.39	-5,726.55	-534.85	5,746.81	2.52	2.41	-0.75
15,711.00	88.05	180.57	10,407.79	-5,821.47	-536.46	5,841.69	0.87	0.21	-0.84
15,806.00	87.37	179.72	10,411.59	-5,916.39	-536.70	5,936.49	1.15	-0.72	-0.89
15,900.00	89.92	181.97	10,413.81	-6,010.34	-538.09	6,030.38	3.62	2.71	2.39
15,995.00	90.61	182.08	10,413.37	-6,105.28	-541.44	6,125.37	0.74	0.73	0.12
16,090.00	90.93	180.96	10,412.10	-6,200.24	-543.96	6,220.32	1.23	0.34	-1.18
16,185.00	90.28	180.22	10,411.09	-6,295.23	-544.94	6,315.23	1.04	-0.68	-0.78
16,279.00	89.15	180.01	10,411.56	-6,389.22	-545.13	6,409.11	1.22	-1.20	-0.22
16,374.00	86.85	179.70	10,414.88	-6,484.16	-544.89	6,503.90	2.44	-2.42	-0.33
16,468.00	88.10	180.28	10,419.02	-6,578.06	-544.87	6,597.67	1.47	1.33	0.62
16,563.00	88.99	179.43	10,421.43	-6,673.03	-544.63	6,692.49	1.30	0.94	-0.89
16,658.00	89.33	178.83	10,422.82	-6,768.01	-543.19	6,787.26	0.73	0.36	-0.63
16,752.00	89.41	178.26	10,423.86	-6,861.97	-540.81	6,880.97	0.61	0.09	-0.61
16,847.00	89.48	180.17	10,424.78	-6,956.96	-539.50	6,975.75	2.01	0.07	2.01
16,941.00	89.62	180.24	10,425.51	-7,050.95	-539.84	7,069.63	0.17	0.15	0.07
17,036.00	89.64	180.10	10,426.13	-7,145.95	-540.12	7,164.51	0.15	0.02	-0.15
17,131.00	89.35	179.30	10,426.96	-7,240.94	-539.62	7,259.35	0.90	-0.31	-0.84
17,225.00	89.64	179.80	10,427.79	-7,334.94	-538.89	7,353.17	0.61	0.31	0.53
17,320.00	89.81	180.23	10,428.25	-7,429.94	-538.91	7,448.04	0.49	0.18	0.45
17,414.00	90.36	179.66	10,428.11	-7,523.94	-538.82	7,541.90	0.84	0.59	-0.61
17,509.00	91.96	180.76	10,426.19	-7,618.91	-539.17	7,636.76	2.04	1.68	1.16
17,603.00	90.01	182.34	10,424.57	-7,712.85	-541.71	7,730.71	2.67	-2.07	1.68
17,698.00	89.14	182.25	10,425.28	-7,807.78	-545.52	7,825.70	0.92	-0.92	-0.09
17,793.00	90.07	182.19	10,425.93	-7,902.70	-549.20	7,920.68	0.98	0.98	-0.06
17,888.00	89.65	182.49	10,426.16	-7,997.62	-553.07	8,015.67	0.54	-0.44	0.32
17,983.00	88.64	181.91	10,427.58	-8,092.54	-556.72	8,110.65	1.23	-1.06	-0.61
18,078.00	89.95	181.81	10,428.75	-8,187.48	-559.80	8,205.62	1.38	1.38	-0.11
18,173.00	90.79	181.31	10,428.14	-8,282.44	-562.39	8,300.59	1.03	0.88	-0.53
18,267.00	88.51	180.61	10,428.71	-8,376.42	-563.96	8,394.52	2.54	-2.43	-0.74



Survey Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 501H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3695.90usft (H&P 489)
Site:	Chorizo 12 State Com	MD Reference:	RKB @ 3695.90usft (H&P 489)
Well:	501H	North Reference:	True
Wellbore:	OH / 67176	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)
18,362.00	88.79	180.46	10,430.95	-8,471.39	-564.85	8,489.40	0.33	0.29	-0.16
18,457.00	89.25	179.60	10,432.57	-8,566.37	-564.90	8,584.26	1.03	0.48	-0.91
18,552.00	89.15	179.50	10,433.90	-8,661.36	-564.16	8,679.07	0.15	-0.11	-0.11
18,646.00	87.79	179.52	10,436.41	-8,755.32	-563.35	8,772.86	1.45	-1.45	0.02
18,741.00	88.33	179.39	10,439.62	-8,850.26	-562.45	8,867.62	0.58	0.57	-0.14
18,835.00	88.56	179.19	10,442.18	-8,944.22	-561.28	8,961.39	0.32	0.24	-0.21
18,930.00	89.11	179.09	10,444.11	-9,039.19	-559.86	9,056.15	0.59	0.58	-0.11
19,024.00	89.55	178.96	10,445.21	-9,133.17	-558.26	9,149.91	0.49	0.47	-0.14
19,118.00	89.61	178.20	10,445.90	-9,227.14	-555.93	9,243.62	0.81	0.06	-0.81
19,213.00	89.82	179.53	10,446.37	-9,322.12	-554.05	9,338.37	1.42	0.22	1.40
19,308.00	88.17	181.25	10,448.03	-9,417.09	-554.69	9,433.25	2.51	-1.74	1.81
19,403.00	88.33	180.71	10,450.94	-9,512.03	-556.32	9,528.14	0.59	0.17	-0.57
19,498.00	89.30	180.66	10,452.90	-9,607.01	-557.45	9,623.04	1.02	1.02	-0.05
19,593.00	89.85	179.70	10,453.60	-9,702.00	-557.75	9,717.92	1.16	0.58	-1.01
19,687.00	90.35	179.22	10,453.44	-9,796.00	-556.87	9,811.74	0.74	0.53	-0.51
19,782.00	91.07	179.35	10,452.26	-9,890.98	-555.68	9,906.53	0.77	0.76	0.14
19,877.00	90.08	180.56	10,451.31	-9,985.97	-555.61	10,001.38	1.65	-1.04	1.27
19,971.00	90.62	179.44	10,450.74	-10,079.97	-555.61	10,095.25	1.32	0.57	-1.19
20,066.00	89.33	180.57	10,450.78	-10,174.97	-555.61	10,190.11	1.81	-1.36	1.19
20,161.00	89.02	180.76	10,452.15	-10,269.95	-556.72	10,285.02	0.38	-0.33	0.20
20,256.00	89.92	180.63	10,453.02	-10,364.94	-557.87	10,379.94	0.96	0.95	-0.14
20,350.00	90.93	180.72	10,452.33	-10,458.93	-558.98	10,473.85	1.08	1.07	0.10
20,445.00	91.93	180.46	10,449.96	-10,553.89	-559.95	10,568.74	1.09	1.05	-0.27
20,540.00	92.64	180.09	10,446.17	-10,648.82	-560.41	10,663.55	0.84	0.75	-0.39
Final Phoenix MWD Survey									
20,597.00	92.64	180.09	10,443.54	-10,705.75	-560.50	10,720.41	0.00	0.00	0.00
Projection to TD									

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
5,581.40	5,510.99	-306.13	-569.25	Tie In
5,679.00	5,605.12	-319.25	-591.39	First Phoenix MWD Survey
20,540.00	10,446.17	-10,648.82	-560.41	Final Phoenix MWD Survey
20,597.00	10,443.54	-10,705.75	-560.50	Projection to TD

Checked By: _____ Approved By: _____ Date: _____

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
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Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
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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

CONDITIONS

Action 20657

CONDITIONS OF APPROVAL

Operator:	CENTENNIAL RESOURCE PRODUCTION	1001 17th Street, Suite 1800	Denver, CO80202	OGRID:	372165	Action Number:	20657	Action Type:	C-104
OCD Reviewer	Condition								
ksimmons	None								