

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Submit one copy to appropriate District Office

☐ AMENDED REPORT

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 4/28/21
⁴ API Number 30 - 0 25-46301	⁵ Pool Name Red Hills; Bone Spring, North	⁶ Pool Code 96434
⁷ Property Code 318010	⁸ Property Name Raider Federal Com	⁹ Well Number 503H

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
P	21	24S	34E		300	South	1010	East	Lea

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	16	24S	34E		102	North	446	East	Lea
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 4/28/21	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
371960	Lucid Energy Group	G
329971	Oryx Delaware Oil Gathering NM, LLC	O

IV. Well Completion Data

²¹ Spud Date 2/27/21	²² Ready Date 4/28/21	²³ TD 21,335MD/10,996TVD	²⁴ PBTD 21,293	²⁵ Perforations 11,274 - 21,289	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
17-1/2		13-3/8	1333		1130
12-1/4		9-5/8	5364		1210
8-3/4, 8-1/2		5-1/2	21,330		2500
		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: NM OCD, SANTA FE		
E-mail Address: kanicia.castillo@cdevinc.com			Approval Date: 07/16/2021		
Date: 4/28/21		Phone: 720-499-1537	RT C-104 EXPIRES 07/28/2021		

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 30-025-46301	² Pool Code 96434	³ Pool Name Red Hills; Bone Spring, North
⁴ Property Code 318010	⁵ Property Name RAIDER FEDERAL COM	⁶ Well Number #503H
⁷ OGRID No. 372165	⁸ Operator Name CENTENNIAL RESOURCE PRODUCTION, LLC	⁹ Elevation 3497.6'

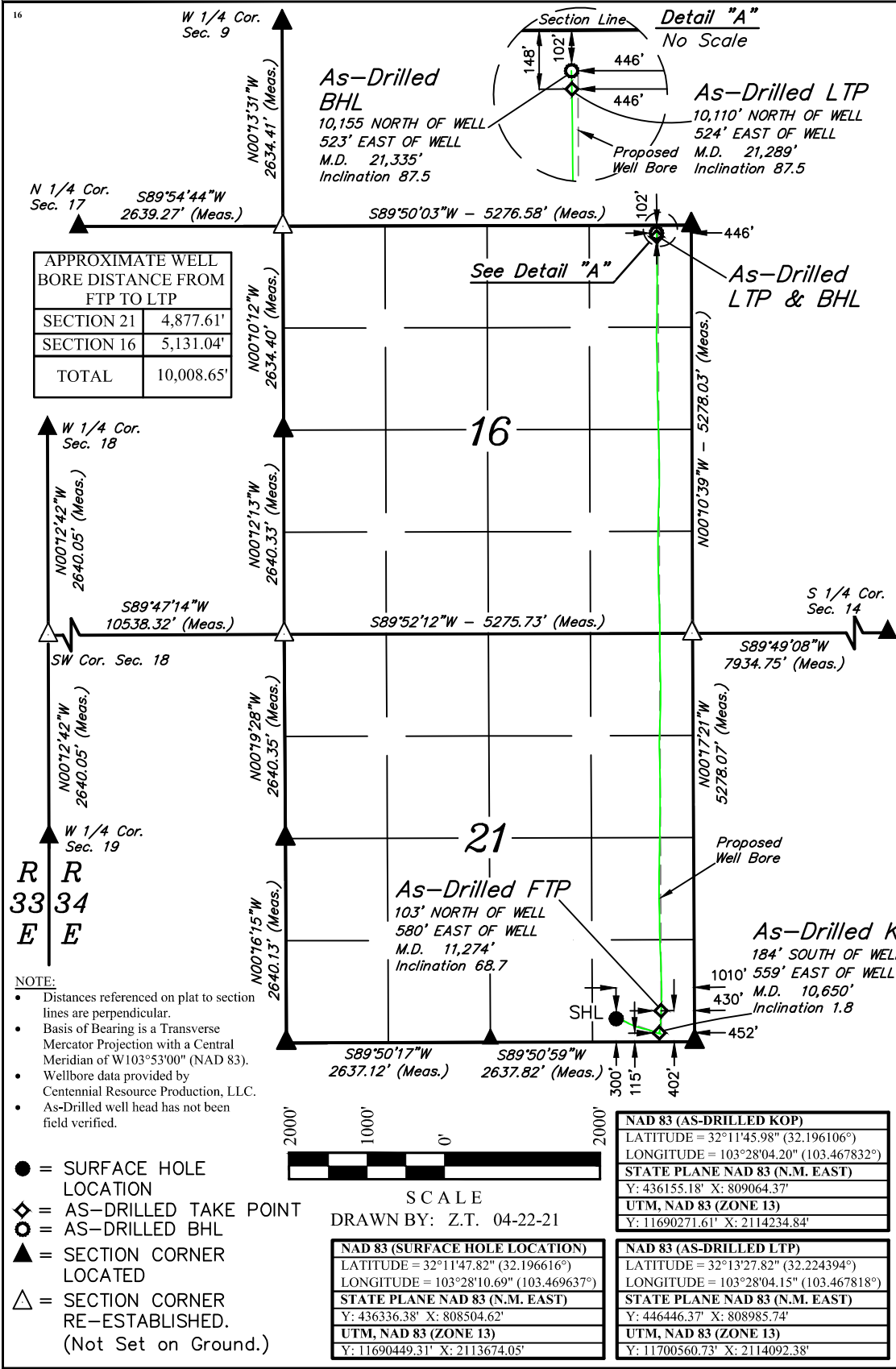
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	21	24S	34E		300	SOUTH	1010	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	16	24S	34E		102	NORTH	446	EAST	LEA
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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



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.

K. Schlichting 4/28/21
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.

December 01, 2018
Date of Survey

Signature and Seal of Professional Surveyor:

PAUL BUCHELE
NEW MEXICO
23782
04-22-21
PROFESSIONAL SURVEYOR

Certificate Number:



Centennial Resources Development, Inc.

**Lea County, NM (NAD83 - UTM Zone 13)
Raider Federal Com
503H**

OH / 67470

Survey: Phoenix MWD Surveys

Standard Survey Report

19 March, 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 @ 3523.60usft (H&P 296)
Site:	Raider Federal Com	MD Reference:	RKB @ 3523.60usft (H&P 296)
Well:	503H	North Reference:	True
Wellbore:	OH / 67470	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 296)	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	Raider Federal Com		
Site Position:		Northing:	11,690,439.89 usft
From:	Map	Easting:	2,112,954.42 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 11' 47.826895 N
		Longitude:	103° 28' 19.068805 W
		Grid Convergence:	0.81 °

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 / 67470		
Magnetics	Model Name	Sample Date	Declination (°)
	MVHD	3/1/2021	6.41
			Dip Angle (°)
			59.78
			Field Strength (nT)
			47,641.11097615

Design	Surveys (H&P 296)		
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 (°)
			3.26

Survey Program	Date	3/19/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
156.00	21,335.00	Phoenix MWD Surveys (OH / 67470)	MWD+IFR1+MS	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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156.00	0.44	21.78	156.00	0.56	0.22	0.57	0.28	0.28	0.00
First Phoenix MWD Survey									
217.00	0.45	343.91	217.00	1.00	0.24	1.02	0.47	0.02	-62.08
276.00	0.32	338.53	276.00	1.38	0.12	1.38	0.23	-0.22	-9.12
337.00	0.19	0.98	336.99	1.64	0.06	1.64	0.26	-0.21	36.80
427.00	0.25	353.39	426.99	1.98	0.04	1.98	0.07	0.07	-8.43
487.00	0.14	243.91	486.99	2.08	-0.04	2.08	0.54	-0.18	-182.47
577.00	0.12	238.25	576.99	1.98	-0.22	1.97	0.03	-0.02	-6.29
667.00	0.07	355.60	666.99	1.99	-0.31	1.97	0.18	-0.06	130.39
757.00	0.11	189.11	756.99	1.96	-0.32	1.94	0.20	0.04	-184.99



Survey Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 503H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3523.60usft (H&P 296)
Site:	Raider Federal Com	MD Reference:	RKB @ 3523.60usft (H&P 296)
Well:	503H	North Reference:	True
Wellbore:	OH / 67470	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 296)	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)
847.00	0.08	154.00	846.99	1.82	-0.31	1.80	0.07	-0.03	-39.01
938.00	0.14	134.57	937.99	1.68	-0.20	1.67	0.08	0.07	-21.35
1,029.00	0.15	170.30	1,028.99	1.49	-0.10	1.48	0.10	0.01	39.26
1,120.00	0.25	65.14	1,119.99	1.45	0.10	1.46	0.36	0.11	-115.56
1,212.00	0.09	146.72	1,211.99	1.48	0.32	1.49	0.28	-0.17	88.67
1,273.00	0.14	31.89	1,272.99	1.50	0.38	1.52	0.32	0.08	-188.25
1,409.00	0.22	85.61	1,408.99	1.66	0.73	1.70	0.13	0.06	39.50
1,504.00	0.13	36.14	1,503.99	1.76	0.98	1.81	0.18	-0.09	-52.07
1,598.00	0.22	42.34	1,597.99	1.98	1.16	2.04	0.10	0.10	6.60
1,693.00	0.16	52.09	1,692.99	2.20	1.39	2.27	0.07	-0.06	10.26
1,787.00	0.25	63.64	1,786.99	2.37	1.68	2.46	0.10	0.10	12.29
1,881.00	0.26	46.51	1,880.99	2.61	2.01	2.72	0.08	0.01	-18.22
1,975.00	0.20	67.44	1,974.99	2.82	2.32	2.94	0.11	-0.06	22.27
2,070.00	0.34	52.19	2,069.99	3.05	2.70	3.20	0.16	0.15	-16.05
2,164.00	0.47	45.30	2,163.98	3.49	3.19	3.67	0.15	0.14	-7.33
2,259.00	0.60	46.12	2,258.98	4.11	3.83	4.32	0.14	0.14	0.86
2,353.00	0.54	47.87	2,352.98	4.75	4.51	5.00	0.07	-0.06	1.86
2,448.00	0.56	49.40	2,447.97	5.35	5.19	5.64	0.03	0.02	1.61
2,542.00	0.53	53.24	2,541.97	5.91	5.89	6.24	0.05	-0.03	4.09
2,636.00	0.55	52.70	2,635.96	6.45	6.60	6.81	0.02	0.02	-0.57
2,731.00	0.60	46.43	2,730.96	7.07	7.32	7.47	0.08	0.05	-6.60
2,825.00	0.59	44.77	2,824.95	7.75	8.02	8.19	0.02	-0.01	-1.77
2,920.00	0.55	31.08	2,919.95	8.49	8.60	8.96	0.15	-0.04	-14.41
3,014.00	0.52	37.31	3,013.94	9.21	9.09	9.71	0.07	-0.03	6.63
3,109.00	0.52	36.05	3,108.94	9.90	9.61	10.43	0.01	0.00	-1.33
3,203.00	0.59	32.76	3,202.94	10.66	10.12	11.21	0.08	0.07	-3.50
3,298.00	0.73	34.96	3,297.93	11.56	10.73	12.15	0.15	0.15	2.32
3,392.00	0.80	39.43	3,391.92	12.56	11.49	13.19	0.10	0.07	4.76
3,486.00	0.90	45.73	3,485.91	13.58	12.44	14.27	0.15	0.11	6.70
3,581.00	0.86	47.00	3,580.90	14.59	13.49	15.33	0.05	-0.04	1.34
3,675.00	0.88	52.82	3,674.89	15.51	14.58	16.31	0.10	0.02	6.19
3,770.00	1.00	61.70	3,769.88	16.34	15.89	17.22	0.20	0.13	9.35
3,853.00	2.01	88.88	3,852.85	16.71	17.99	17.71	1.46	1.22	32.75
3,948.00	3.50	89.52	3,947.74	16.77	22.55	18.03	1.57	1.57	0.67
4,042.00	5.74	94.55	4,041.42	16.42	30.11	18.11	2.42	2.38	5.35
4,137.00	7.63	108.92	4,135.78	14.00	40.81	16.30	2.64	1.99	15.13
4,231.00	8.60	123.20	4,228.85	8.13	52.60	11.10	2.37	1.03	15.19
4,326.00	8.51	125.91	4,322.79	0.11	64.23	3.77	0.43	-0.09	2.85
4,420.00	8.14	126.00	4,415.80	-7.88	75.25	-3.58	0.39	-0.39	0.10
4,515.00	7.84	126.00	4,509.88	-15.64	85.93	-10.73	0.32	-0.32	0.00
4,609.00	8.05	124.02	4,602.98	-23.09	96.58	-17.56	0.37	0.22	-2.11
4,704.00	8.44	123.22	4,696.99	-30.63	107.92	-24.44	0.43	0.41	-0.84
4,798.00	8.37	122.39	4,789.98	-38.07	119.47	-31.22	0.15	-0.07	-0.88



Survey Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 503H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3523.60usft (H&P 296)
Site:	Raider Federal Com	MD Reference:	RKB @ 3523.60usft (H&P 296)
Well:	503H	North Reference:	True
Wellbore:	OH / 67470	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 296)	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)
4,893.00	8.64	121.18	4,883.94	-45.47	131.41	-37.93	0.34	0.28	-1.27
4,987.00	8.80	118.46	4,976.85	-52.55	143.78	-44.29	0.47	0.17	-2.89
5,082.00	9.14	117.64	5,070.69	-59.52	156.85	-50.50	0.38	0.36	-0.86
5,176.00	9.00	116.00	5,163.52	-66.20	170.07	-56.43	0.31	-0.15	-1.74
5,307.00	8.88	114.00	5,292.92	-74.81	188.52	-63.97	0.25	-0.09	-1.53
5,375.00	8.61	115.71	5,360.13	-79.15	197.90	-67.77	0.55	-0.40	2.51
5,470.00	8.07	113.88	5,454.13	-84.94	210.40	-72.83	0.63	-0.57	-1.93
5,564.00	9.61	111.31	5,547.01	-90.46	223.75	-77.59	1.69	1.64	-2.73
5,659.00	10.82	112.79	5,640.50	-96.80	239.35	-83.03	1.30	1.27	1.56
5,754.00	11.11	108.27	5,733.77	-103.12	256.27	-88.38	0.95	0.31	-4.76
5,848.00	11.72	106.86	5,825.91	-108.73	274.00	-92.97	0.71	0.65	-1.50
5,943.00	11.21	106.35	5,919.02	-114.12	292.10	-97.33	0.55	-0.54	-0.54
6,038.00	10.42	104.45	6,012.33	-118.87	309.28	-101.09	0.91	-0.83	-2.00
6,133.00	9.59	107.14	6,105.88	-123.34	325.16	-104.65	1.00	-0.87	2.83
6,227.00	9.53	105.72	6,198.58	-127.76	340.13	-108.21	0.26	-0.06	-1.51
6,322.00	9.04	105.08	6,292.33	-131.83	354.91	-111.44	0.53	-0.52	-0.67
6,417.00	8.89	103.87	6,386.17	-135.53	369.24	-114.32	0.25	-0.16	-1.27
6,511.00	8.97	103.62	6,479.03	-139.00	383.42	-116.97	0.09	0.09	-0.27
6,605.00	8.58	103.26	6,571.93	-142.33	397.36	-119.51	0.42	-0.41	-0.38
6,700.00	8.72	102.94	6,665.85	-145.57	411.28	-121.95	0.16	0.15	-0.34
6,794.00	9.15	107.61	6,758.71	-149.43	425.35	-125.00	0.90	0.46	4.97
6,889.00	9.16	107.58	6,852.50	-154.00	439.76	-128.74	0.01	0.01	-0.03
6,983.00	10.05	108.46	6,945.18	-158.86	454.67	-132.74	0.96	0.95	0.94
7,171.00	9.80	108.37	7,130.37	-169.09	485.41	-141.21	0.13	-0.13	-0.05
7,265.00	9.61	109.69	7,223.02	-174.26	500.39	-145.52	0.31	-0.20	1.40
7,360.00	8.18	114.58	7,316.88	-179.74	514.01	-150.22	1.70	-1.51	5.15
7,454.00	7.48	111.54	7,410.00	-184.77	525.78	-154.57	0.87	-0.74	-3.23
7,548.00	5.88	110.90	7,503.36	-188.73	535.97	-157.95	1.70	-1.70	-0.68
7,643.00	4.17	102.56	7,598.00	-191.22	543.89	-159.98	1.95	-1.80	-8.78
7,737.00	4.02	98.48	7,691.76	-192.45	550.48	-160.83	0.35	-0.16	-4.34
7,832.00	3.63	98.49	7,786.54	-193.38	556.75	-161.41	0.41	-0.41	0.01
7,926.00	3.41	101.36	7,880.37	-194.37	562.43	-162.08	0.30	-0.23	3.05
8,020.00	3.10	107.12	7,974.21	-195.67	567.60	-163.08	0.48	-0.33	6.13
8,115.00	2.11	95.46	8,069.12	-196.60	571.80	-163.76	1.18	-1.04	-12.27
8,209.00	1.31	112.43	8,163.07	-197.17	574.51	-164.18	1.00	-0.85	18.05
8,304.00	0.82	117.68	8,258.06	-197.90	576.12	-164.82	0.53	-0.52	5.53
8,399.00	0.30	93.69	8,353.05	-198.23	576.97	-165.10	0.59	-0.55	-25.25
8,493.00	0.33	94.17	8,447.05	-198.27	577.49	-165.11	0.03	0.03	0.51
8,588.00	0.18	54.10	8,542.05	-198.20	577.88	-165.02	0.24	-0.16	-42.18
8,682.00	0.56	324.02	8,636.05	-197.74	577.73	-164.57	0.63	0.40	-95.83
8,777.00	1.04	316.09	8,731.04	-196.74	576.86	-163.62	0.52	0.51	-8.35
8,871.00	1.30	311.45	8,825.02	-195.42	575.47	-162.38	0.29	0.28	-4.94
8,965.00	1.52	305.94	8,918.99	-193.99	573.66	-161.05	0.27	0.23	-5.86



Survey Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 503H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3523.60usft (H&P 296)
Site:	Raider Federal Com	MD Reference:	RKB @ 3523.60usft (H&P 296)
Well:	503H	North Reference:	True
Wellbore:	OH / 67470	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 296)	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)
9,060.00	1.53	304.47	9,013.96	-192.53	571.59	-159.71	0.04	0.01	-1.55
9,155.00	1.78	300.39	9,108.92	-191.07	569.28	-158.38	0.29	0.26	-4.29
9,249.00	2.30	299.49	9,202.86	-189.40	566.37	-156.88	0.55	0.55	-0.96
9,344.00	2.88	303.44	9,297.76	-187.14	562.72	-154.84	0.64	0.61	4.16
9,438.00	2.51	312.53	9,391.66	-184.45	559.24	-152.35	0.60	-0.39	9.67
9,533.00	1.31	3.43	9,486.61	-181.96	557.77	-149.95	2.07	-1.26	53.58
9,628.00	1.26	6.47	9,581.58	-179.84	557.95	-147.82	0.09	-0.05	3.20
9,722.00	1.20	13.48	9,675.56	-177.86	558.30	-145.82	0.17	-0.06	7.46
9,817.00	0.97	10.92	9,770.55	-176.10	558.68	-144.04	0.25	-0.24	-2.69
9,911.00	0.74	6.79	9,864.53	-174.71	558.90	-142.65	0.25	-0.24	-4.39
10,006.00	0.80	354.02	9,959.53	-173.45	558.91	-141.38	0.19	0.06	-13.44
10,100.00	0.68	351.93	10,053.52	-172.24	558.76	-140.19	0.13	-0.13	-2.22
10,195.00	0.27	159.88	10,148.52	-171.89	558.76	-139.84	1.00	-0.43	176.79
10,290.00	1.60	170.75	10,243.50	-173.41	559.05	-141.34	1.41	1.40	11.44
10,384.00	2.21	178.29	10,337.45	-176.52	559.31	-144.43	0.70	0.65	8.02
10,479.00	2.04	184.10	10,432.38	-180.04	559.25	-147.94	0.29	-0.18	6.12
10,573.00	1.98	190.92	10,526.33	-183.30	558.82	-151.22	0.26	-0.06	7.26
10,679.00	1.67	194.30	10,632.27	-186.59	558.09	-154.56	0.31	-0.29	3.19
10,773.00	9.02	358.68	10,725.94	-180.54	557.58	-148.54	11.32	7.82	174.87
10,868.00	18.55	9.31	10,818.11	-158.13	559.86	-126.03	10.34	10.03	11.19
10,898.00	21.51	10.52	10,846.29	-148.01	561.64	-115.83	9.96	9.87	4.03
10,962.00	28.60	10.67	10,904.23	-121.38	566.62	-88.97	11.08	11.08	0.23
11,009.00	34.66	7.11	10,944.24	-97.04	570.36	-64.45	13.49	12.89	-7.57
11,056.00	37.60	3.73	10,982.20	-69.46	572.95	-36.77	7.56	6.26	-7.19
11,103.00	43.39	0.39	11,017.93	-38.98	573.99	-6.28	13.15	12.32	-7.11
11,151.00	49.29	2.63	11,051.05	-4.29	574.94	28.41	12.75	12.29	4.67
11,245.00	63.64	2.76	11,102.85	73.77	578.62	106.56	15.27	15.27	0.14
11,340.00	80.21	3.06	11,132.22	163.65	583.20	196.55	17.44	17.44	0.32
11,369.00	85.49	2.84	11,135.83	192.38	584.68	225.32	18.22	18.21	-0.76
11,460.00	88.85	2.07	11,140.32	283.17	588.58	316.18	3.79	3.69	-0.85
11,555.00	91.39	358.49	11,140.12	378.15	589.04	411.03	4.62	2.67	-3.77
11,649.00	93.34	357.83	11,136.24	472.01	586.03	504.57	2.19	2.07	-0.70
11,744.00	90.73	358.94	11,132.87	566.91	583.35	599.16	2.99	-2.75	1.17
11,839.00	90.79	358.42	11,131.61	661.87	581.16	693.85	0.55	0.06	-0.55
11,933.00	91.01	357.65	11,130.13	755.80	577.94	787.45	0.85	0.23	-0.82
12,028.00	91.32	357.56	11,128.20	850.70	573.97	881.96	0.34	0.33	-0.09
12,122.00	92.19	357.25	11,125.32	944.56	569.72	975.43	0.98	0.93	-0.33
12,217.00	91.73	357.88	11,122.08	1,039.42	565.68	1,069.90	0.82	-0.48	0.66
12,311.00	90.08	0.39	11,120.59	1,133.38	564.26	1,163.64	3.20	-1.76	2.67
12,406.00	90.64	0.34	11,119.99	1,228.38	564.87	1,258.52	0.59	0.59	-0.05
12,500.00	91.95	359.27	11,117.87	1,322.35	564.55	1,352.32	1.80	1.39	-1.14
12,595.00	88.98	357.92	11,117.10	1,417.31	562.22	1,446.99	3.43	-3.13	-1.42
12,690.00	89.64	359.38	11,118.24	1,512.27	559.98	1,541.67	1.69	0.69	1.54
12,784.00	90.15	358.28	11,118.41	1,606.25	558.06	1,635.39	1.29	0.54	-1.17



Survey Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 503H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3523.60usft (H&P 296)
Site:	Raider Federal Com	MD Reference:	RKB @ 3523.60usft (H&P 296)
Well:	503H	North Reference:	True
Wellbore:	OH / 67470	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 296)	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)
12,879.00	90.47	1.50	11,117.90	1,701.24	557.88	1,730.21	3.41	0.34	3.39
12,973.00	90.38	1.20	11,117.20	1,795.21	560.10	1,824.15	0.33	-0.10	-0.32
13,068.00	90.78	0.18	11,116.24	1,890.19	561.24	1,919.05	1.15	0.42	-1.07
13,162.00	89.99	1.48	11,115.61	1,984.18	562.60	2,012.96	1.62	-0.84	1.38
13,256.00	90.61	1.00	11,115.12	2,078.16	564.64	2,106.90	0.83	0.66	-0.51
13,351.00	91.30	1.54	11,113.53	2,173.12	566.74	2,201.83	0.92	0.73	0.57
13,445.00	91.19	1.34	11,111.49	2,267.07	569.10	2,295.76	0.24	-0.12	-0.21
13,540.00	90.42	1.15	11,110.16	2,362.03	571.17	2,390.69	0.83	-0.81	-0.20
13,635.00	90.21	0.81	11,109.63	2,457.02	572.79	2,485.61	0.42	-0.22	-0.36
13,729.00	89.87	0.93	11,109.57	2,551.01	574.22	2,579.53	0.38	-0.36	0.13
13,824.00	89.44	0.81	11,110.14	2,645.99	575.66	2,674.45	0.47	-0.45	-0.13
13,918.00	89.01	0.74	11,111.41	2,739.98	576.93	2,768.35	0.46	-0.46	-0.07
14,013.00	88.39	0.61	11,113.57	2,834.95	578.05	2,863.23	0.67	-0.65	-0.14
14,107.00	89.96	0.10	11,114.92	2,928.93	578.63	2,957.10	1.76	1.67	-0.54
14,202.00	89.61	359.99	11,115.28	3,023.93	578.71	3,051.95	0.39	-0.37	-0.12
14,296.00	89.31	359.49	11,116.16	3,117.92	578.28	3,145.76	0.62	-0.32	-0.53
14,391.00	88.59	358.87	11,117.90	3,212.90	576.92	3,240.51	1.00	-0.76	-0.65
14,485.00	90.67	359.42	11,118.51	3,306.88	575.52	3,334.26	2.29	2.21	0.59
14,579.00	88.70	357.65	11,119.03	3,400.84	573.12	3,427.93	2.82	-2.10	-1.88
14,673.00	89.82	358.83	11,120.24	3,494.78	570.23	3,521.56	1.73	1.19	1.26
14,768.00	90.70	1.45	11,119.81	3,589.77	570.46	3,616.40	2.91	0.93	2.76
14,862.00	93.18	2.37	11,116.63	3,683.66	573.59	3,710.32	2.81	2.64	0.98
14,957.00	92.58	1.47	11,111.86	3,778.48	576.77	3,805.17	1.14	-0.63	-0.95
15,051.00	92.81	2.28	11,107.44	3,872.33	579.84	3,899.04	0.89	0.24	0.86
15,145.00	93.55	3.28	11,102.22	3,966.07	584.40	3,992.89	1.32	0.79	1.06
15,240.00	91.69	1.15	11,097.88	4,060.89	588.06	4,087.76	2.97	-1.96	-2.24
15,334.00	89.62	0.37	11,096.80	4,154.87	589.31	4,181.66	2.35	-2.20	-0.83
15,428.00	88.88	0.05	11,098.03	4,248.86	589.65	4,275.52	0.86	-0.79	-0.34
15,523.00	91.47	358.30	11,097.74	4,343.84	588.28	4,370.26	3.29	2.73	-1.84
15,617.00	93.37	358.86	11,093.78	4,437.72	585.96	4,463.86	2.11	2.02	0.60
15,712.00	92.01	359.33	11,089.32	4,532.60	584.46	4,558.51	1.51	-1.43	0.49
15,806.00	94.26	358.55	11,084.18	4,626.44	582.72	4,652.09	2.53	2.39	-0.83
15,901.00	91.90	359.70	11,079.07	4,721.28	581.28	4,746.70	2.76	-2.48	1.21
15,995.00	91.41	0.18	11,076.36	4,815.24	581.18	4,840.50	0.73	-0.52	0.51
16,090.00	90.98	0.43	11,074.38	4,910.22	581.68	4,935.35	0.52	-0.45	0.26
16,184.00	89.81	0.16	11,073.73	5,004.22	582.17	5,029.22	1.28	-1.24	-0.29
16,279.00	90.27	359.51	11,073.66	5,099.22	581.89	5,124.05	0.84	0.48	-0.68
16,373.00	90.05	359.10	11,073.40	5,193.21	580.75	5,217.83	0.49	-0.23	-0.44
16,468.00	90.53	358.41	11,072.92	5,288.18	578.69	5,312.53	0.88	0.51	-0.73
16,562.00	90.38	357.96	11,072.17	5,382.13	575.71	5,406.16	0.50	-0.16	-0.48
16,656.00	90.27	357.52	11,071.64	5,476.06	572.01	5,499.72	0.48	-0.12	-0.47
16,751.00	90.99	358.94	11,070.59	5,571.00	569.07	5,594.35	1.68	0.76	1.49
16,845.00	90.99	358.55	11,068.97	5,664.97	567.01	5,688.04	0.41	0.00	-0.41



Survey Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 503H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3523.60usft (H&P 296)
Site:	Raider Federal Com	MD Reference:	RKB @ 3523.60usft (H&P 296)
Well:	503H	North Reference:	True
Wellbore:	OH / 67470	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 296)	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)
16,940.00	91.79	359.42	11,066.67	5,759.92	565.33	5,782.75	1.24	0.84	0.92
17,034.00	92.69	358.96	11,062.99	5,853.84	564.00	5,876.44	1.08	0.96	-0.49
17,129.00	91.42	359.70	11,059.58	5,948.77	562.89	5,971.15	1.55	-1.34	0.78
17,223.00	91.42	359.17	11,057.26	6,042.74	561.97	6,064.91	0.56	0.00	-0.56
17,318.00	89.27	1.08	11,056.68	6,137.72	562.17	6,159.76	3.03	-2.26	2.01
17,412.00	89.02	0.78	11,058.09	6,231.70	563.70	6,253.67	0.42	-0.27	-0.32
17,506.00	90.76	1.31	11,058.27	6,325.68	565.41	6,347.60	1.94	1.85	0.56
17,601.00	90.89	1.12	11,056.90	6,420.65	567.43	6,442.53	0.24	0.14	-0.20
17,695.00	90.44	1.16	11,055.81	6,514.63	569.30	6,536.46	0.48	-0.48	0.04
17,790.00	90.38	1.55	11,055.13	6,609.60	571.54	6,631.40	0.42	-0.06	0.41
17,884.00	90.33	2.00	11,054.55	6,703.55	574.46	6,725.37	0.48	-0.05	0.48
17,979.00	90.05	2.09	11,054.23	6,798.49	577.85	6,820.35	0.31	-0.29	0.09
18,074.00	89.45	2.01	11,054.64	6,893.43	581.24	6,915.32	0.64	-0.63	-0.08
18,168.00	89.24	359.61	11,055.72	6,987.40	582.57	7,009.22	2.56	-0.22	-2.55
18,263.00	90.81	0.36	11,055.68	7,082.40	582.55	7,104.07	1.83	1.65	0.79
18,357.00	90.41	359.87	11,054.68	7,176.39	582.74	7,197.92	0.67	-0.43	-0.52
18,452.00	90.32	359.69	11,054.07	7,271.39	582.37	7,292.74	0.21	-0.09	-0.19
18,547.00	89.33	358.82	11,054.36	7,366.38	581.14	7,387.51	1.39	-1.04	-0.92
18,641.00	89.02	358.57	11,055.72	7,460.35	579.00	7,481.20	0.42	-0.33	-0.27
18,735.00	88.53	357.62	11,057.73	7,554.27	575.87	7,574.79	1.14	-0.52	-1.01
18,830.00	89.58	357.67	11,059.29	7,649.18	571.97	7,669.32	1.11	1.11	0.05
18,924.00	91.53	359.50	11,058.38	7,743.13	569.65	7,763.00	2.84	2.07	1.95
19,019.00	91.02	358.88	11,056.27	7,838.10	568.30	7,857.73	0.84	-0.54	-0.65
19,113.00	90.25	358.14	11,055.23	7,932.06	565.86	7,951.41	1.14	-0.82	-0.79
19,208.00	91.59	359.02	11,053.70	8,027.02	563.51	8,046.07	1.69	1.41	0.93
19,303.00	90.65	359.00	11,051.84	8,121.98	561.87	8,140.79	0.99	-0.99	-0.02
19,398.00	90.58	0.68	11,050.82	8,216.98	561.60	8,235.61	1.77	-0.07	1.77
19,492.00	90.13	0.35	11,050.24	8,310.97	562.45	8,329.50	0.59	-0.48	-0.35
19,586.00	89.35	358.71	11,050.67	8,404.96	561.67	8,423.30	1.93	-0.83	-1.74
19,681.00	90.52	359.31	11,050.78	8,499.94	560.03	8,518.04	1.38	1.23	0.63
19,776.00	91.49	359.44	11,049.11	8,594.92	559.00	8,612.80	1.03	1.02	0.14
19,870.00	91.02	357.64	11,047.05	8,688.87	556.60	8,706.46	1.98	-0.50	-1.91
19,964.00	91.59	359.41	11,044.91	8,782.81	554.18	8,800.11	1.98	0.61	1.88
20,059.00	92.64	1.90	11,041.40	8,877.73	555.27	8,894.94	2.84	1.11	2.62
20,153.00	93.95	2.14	11,036.00	8,971.51	558.58	8,988.76	1.42	1.39	0.26
20,247.00	93.25	0.89	11,030.10	9,065.29	561.06	9,082.53	1.52	-0.74	-1.33
20,342.00	94.02	359.44	11,024.07	9,160.10	561.33	9,177.19	1.73	0.81	-1.53
20,436.00	94.63	0.54	11,016.99	9,253.83	561.31	9,270.77	1.34	0.65	1.17
20,531.00	93.74	1.07	11,010.05	9,348.56	562.64	9,365.43	1.09	-0.94	0.56
20,625.00	93.46	0.75	11,004.15	9,442.36	564.13	9,459.16	0.45	-0.30	-0.34
20,719.00	94.31	0.00	10,997.78	9,536.14	564.75	9,552.83	1.20	0.90	-0.80
20,814.00	91.55	359.64	10,992.93	9,631.01	564.45	9,647.52	2.93	-2.91	-0.38
20,908.00	90.92	359.89	10,990.90	9,724.99	564.06	9,741.33	0.72	-0.67	0.27



Survey Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 503H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3523.60usft (H&P 296)
Site:	Raider Federal Com	MD Reference:	RKB @ 3523.60usft (H&P 296)
Well:	503H	North Reference:	True
Wellbore:	OH / 67470	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 296)	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)
21,003.00	90.24	0.05	10,989.94	9,819.98	564.01	9,836.16	0.74	-0.72	0.17
21,098.00	89.75	359.83	10,989.95	9,914.98	563.91	9,931.01	0.57	-0.52	-0.23
21,192.00	88.37	359.60	10,991.49	10,008.97	563.45	10,024.81	1.49	-1.47	-0.24
21,280.00	87.53	359.10	10,994.64	10,096.90	562.45	10,112.55	1.11	-0.95	-0.57
Final Phoenix MWD Survey									
21,335.00	87.53	359.10	10,997.01	10,151.84	561.59	10,167.35	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)	
156.00	156.00	0.56	0.22	First Phoenix MWD Survey
21,280.00	10,994.64	10,096.90	562.45	Final Phoenix MWD Survey
21,335.00	10,997.01	10,151.84	561.59	Projection to TD

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

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

ACKNOWLEDGMENTS

Action 25982

ACKNOWLEDGMENTS

Operator: CENTENNIAL RESOURCE PRODUCTION, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 25982
	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
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 25982

CONDITIONS

Operator: CENTENNIAL RESOURCE PRODUCTION, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 25982
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	Submit all drilling, casing, and completion sundries and reports.	7/16/2021