

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Centinnial Resource Production,LLC 1001 17th St., Ste. 1800 Denver CO 80202		² OGRID Number 372165	
		³ Reason for Filing Code/ Effective Date NW 5/7/21	
⁴ API Number 30 - 0 25-48405	⁵ Pool Name WC-025 G-07 S2253505N; Bone Spring		⁶ Pool Code 98136
⁷ Property Code 325758	⁸ Property Name Hagberry 9 State Com		⁹ Well Number 502H

II. ¹⁰ Surface Location

Ul or lot no. C	Section 9	Township 22S	Range 35E	Lot Idn	Feet from the 1030	North/South Line N	Feet from the 1816	East/West line W	County LEA
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¹¹ Bottom Hole Location

UL or lot no. N	Section 16	Township 22S	Range 35E	Lot Idn	Feet from the 100	North/South line S	Feet from the 1695	East/West line W	County LEA
¹² Lse Code S	¹³ Producing Method Code F	¹⁴ Gas Connection Date 5/7/21	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	3Bear Field Services, LLC	O
329971	ORYNX Delaware Oil Transport LLC	O
704047	Lucid Energy Delaware, LLC	G

IV. Well Completion Data

²¹ Spud Date 3-19-21	²² Ready Date 5-7-21	²³ TD 20,281 MD 10,335 TVD	²⁴ PBDT 20,236	²⁵ Perforations 10,486 - 20,232	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
17-1/2		13-3/8	1840		1535 CLC
12-1/4		9-5/8	5618		1635 CLC
8-3/4 and 8-1/2		5-1/2	20272		3160 CLC; P110
		2-7/8	9622		

V. Well Test Data

³¹ Date New Oil 5/12/21	³² Gas Delivery Date 5/12/21	³³ Test Date 5/31/21	³⁴ Test Length 24 hrs.	³⁵ Tbg. Pressure 250	³⁶ Csg. Pressure 250
³⁷ Choke Size 1"	³⁸ Oil 1,000	³⁹ Water 2,139	⁴⁰ Gas 1,348		⁴¹ Test Method Gas Lift
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: <i>Sandra Belt</i>			OIL CONSERVATION DIVISION		
Printed name: Sandra Belt			Approved by: <i>PATRICIA MARTINEZ</i>		
Title: Regulatory Analyst			Title: <i>NMOCD - HOBBS</i>		
E-mail Address: sandra@permianregulatory.com			Approval Date: <i>8/18/2021</i>		
Date: 6/17/21		Phone: 432-413-9797			

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 30-025-48406	² Pool Code 98136	³ Pool Name WC-025 G-07 S223505N; Bone Spring
⁴ Property Code 325758	⁵ Property Name HAGBERRY 9 STATE COM	
⁷ OGRID No. 372165	⁸ Operator Name CENTENNIAL RESOURCE PRODUCTION, LLC	⁶ Well Number 502H
		⁹ Elevation 3616.9'

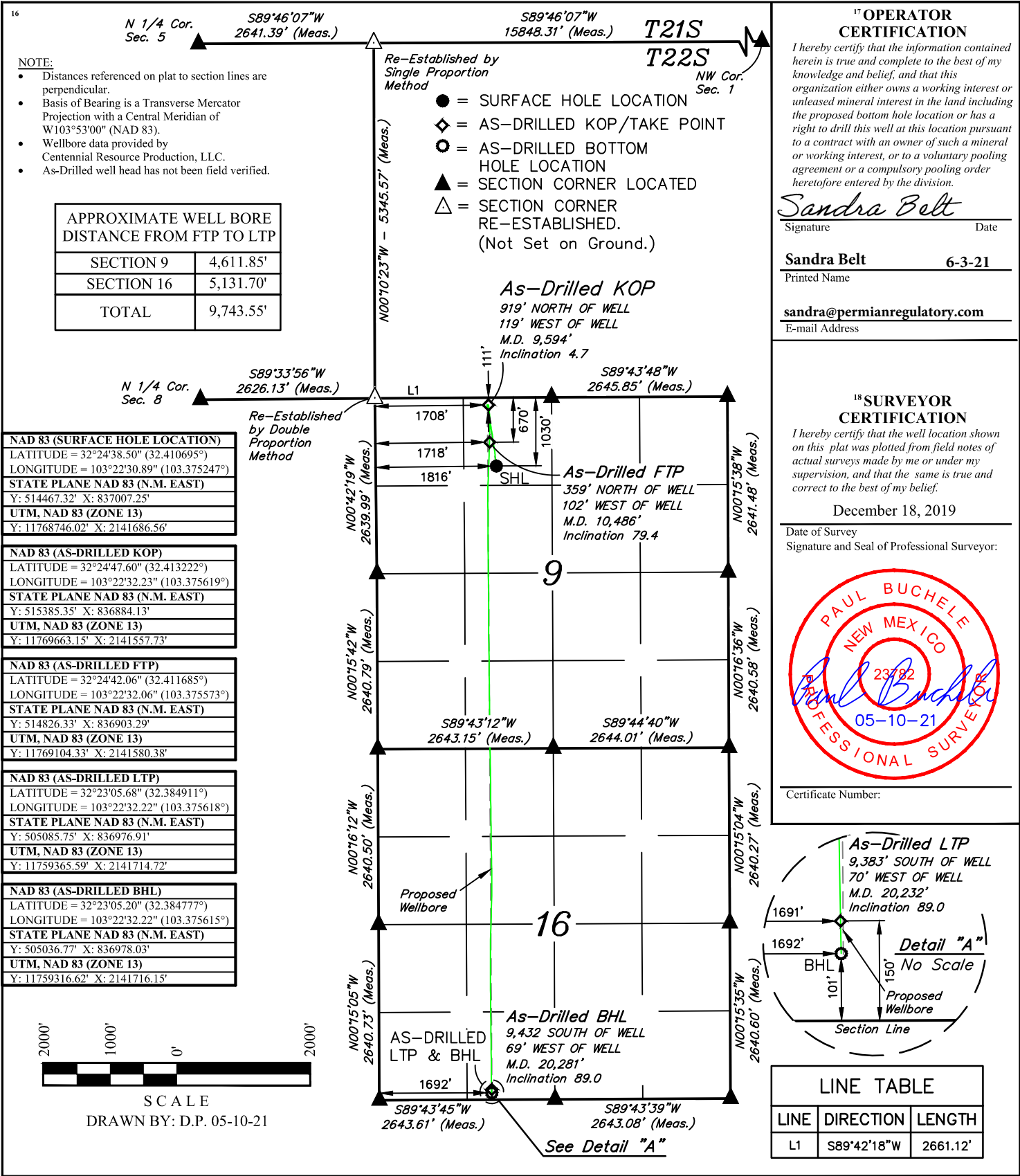
¹⁰ Surface Location

UL or lot no. C	Section 9	Township 22S	Range 35E	Lot Idn	Feet from the 1030	North/South line NORTH	Feet from the 1816	East/West line WEST	County LEA
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. N	Section 16	Township 22S	Range 35E	Lot Idn	Feet from the 101	North/South line SOUTH	Feet from the 1692	East/West line WEST	County 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.





Centennial Resources Development, Inc.

**Lea County, NM (NAD83 - UTM Zone 13)
Hagberry 9 State Com
502H**

OH / 67597

Survey: Phoenix MWD Surveys

Standard Survey Report

05 April, 2021





Survey Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 502H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3641.90usft (H&P 313)
Site:	Hagberry 9 State Com	MD Reference:	RKB @ 3641.90usft (H&P 313)
Well:	502H	North Reference:	True
Wellbore:	OH / 67597	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 313)	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	Hagberry 9 State Com		
Site Position:		Northing:	11,769,411.75 usft
From:	Map	Easting:	2,140,135.34 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 24' 45.323735 N
		Longitude:	103° 22' 48.866040 W
		Grid Convergence:	0.87 °

Well	502H		
Well Position	+N/-S	0.00 usft	Northing:
	+E/-W	0.00 usft	Easting:
Position Uncertainty	1.00 usft	Wellhead Elevation:	usft
		Latitude:	32° 24' 38.503434 N
		Longitude:	103° 22' 30.889430 W
		Ground Level:	3,616.90 usft

Wellbore	OH / 67597		
Magnetics	Model Name	Sample Date	Declination (°)
	MVHD	4/1/2021	6.51
			Dip Angle (°)
			60.13
			Field Strength (nT)
			47,880.27940255

Design	Surveys (H&P 313)		
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 (°)
			180.67

Survey Program	Date	4/5/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
156.00	20,281.00	Phoenix MWD Surveys (OH / 67597)	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	0.60	243.83	156.00	-0.36	-0.73	0.37	0.38	0.38	0.00
First Phoenix MWD Survey									
249.00	0.72	239.37	248.99	-0.87	-1.67	0.89	0.14	0.13	-4.80
336.00	0.70	259.95	335.98	-1.24	-2.67	1.28	0.29	-0.02	23.66
455.00	0.45	234.58	454.98	-1.64	-3.76	1.69	0.30	-0.21	-21.32
543.00	0.15	207.43	542.98	-1.94	-4.10	1.99	0.37	-0.34	-30.85
632.00	0.08	192.99	631.98	-2.11	-4.17	2.16	0.08	-0.08	-16.22
690.00	0.09	272.99	689.98	-2.15	-4.22	2.19	0.19	0.02	137.93
760.00	0.48	289.56	759.98	-2.04	-4.55	2.10	0.56	0.56	23.67
855.00	0.38	259.07	854.97	-1.97	-5.24	2.03	0.26	-0.11	-32.09



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Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3641.90usft (H&P 313)
Site:	Hagberry 9 State Com	MD Reference:	RKB @ 3641.90usft (H&P 313)
Well:	502H	North Reference:	True
Wellbore:	OH / 67597	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 313)	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)
950.00	0.66	233.29	949.97	-2.36	-5.98	2.43	0.38	0.29	-27.14
1,045.00	0.88	224.17	1,044.96	-3.21	-6.93	3.29	0.26	0.23	-9.60
1,140.00	0.76	228.55	1,139.95	-4.15	-7.91	4.24	0.14	-0.13	4.61
1,235.00	0.90	225.41	1,234.94	-5.09	-8.91	5.19	0.15	0.15	-3.31
1,329.00	0.61	218.34	1,328.93	-6.00	-9.75	6.11	0.32	-0.31	-7.52
1,424.00	0.68	216.28	1,423.93	-6.85	-10.40	6.97	0.08	0.07	-2.17
1,518.00	0.63	219.82	1,517.92	-7.70	-11.06	7.83	0.07	-0.05	3.77
1,614.00	0.62	217.19	1,613.92	-8.52	-11.71	8.65	0.03	-0.01	-2.74
1,708.00	0.59	212.71	1,707.91	-9.33	-12.28	9.47	0.06	-0.03	-4.77
1,898.00	0.48	208.80	1,897.90	-10.85	-13.19	11.00	0.06	-0.06	-2.06
1,993.00	1.30	356.53	1,992.89	-10.12	-13.45	10.28	1.82	0.86	155.51
2,087.00	3.77	8.93	2,086.80	-6.00	-13.03	6.16	2.68	2.63	13.19
2,182.00	4.82	11.10	2,181.53	1.00	-11.78	-0.86	1.12	1.11	2.28
2,277.00	6.12	5.44	2,276.09	9.96	-10.53	-9.83	1.48	1.37	-5.96
2,371.00	7.26	1.79	2,369.45	20.88	-9.87	-20.76	1.29	1.21	-3.88
2,465.00	8.26	2.96	2,462.59	33.56	-9.34	-33.45	1.08	1.06	1.24
2,560.00	9.33	2.98	2,556.47	48.07	-8.58	-47.96	1.13	1.13	0.02
2,654.00	9.69	358.80	2,649.18	63.59	-8.35	-63.48	0.83	0.38	-4.45
2,749.00	9.87	356.87	2,742.80	79.71	-8.97	-79.60	0.39	0.19	-2.03
2,844.00	9.81	355.01	2,836.40	95.90	-10.11	-95.78	0.34	-0.06	-1.96
2,939.00	10.18	352.20	2,929.96	112.28	-11.96	-112.13	0.64	0.39	-2.96
3,034.00	9.91	353.42	3,023.51	128.72	-14.03	-128.55	0.36	-0.28	1.28
3,129.00	9.79	354.38	3,117.11	144.88	-15.76	-144.68	0.21	-0.13	1.01
3,224.00	9.84	357.29	3,210.72	161.03	-16.94	-160.82	0.52	0.05	3.06
3,319.00	9.91	356.83	3,304.31	177.30	-17.77	-177.08	0.11	0.07	-0.48
3,413.00	10.31	353.98	3,396.85	193.74	-19.10	-193.50	0.68	0.43	-3.03
3,508.00	10.46	350.46	3,490.29	210.70	-21.42	-210.43	0.69	0.16	-3.71
3,602.00	10.76	348.48	3,582.69	227.71	-24.59	-227.41	0.50	0.32	-2.11
3,696.00	10.36	351.17	3,675.10	244.66	-27.64	-244.32	0.68	-0.43	2.86
3,791.00	9.87	352.23	3,768.62	261.17	-30.05	-260.80	0.55	-0.52	1.12
3,886.00	9.62	352.30	3,862.25	277.10	-32.22	-276.71	0.26	-0.26	0.07
3,981.00	9.35	352.45	3,955.95	292.62	-34.29	-292.20	0.29	-0.28	0.16
4,076.00	9.04	351.80	4,049.73	307.66	-36.37	-307.21	0.34	-0.33	-0.68
4,170.00	8.80	352.54	4,142.59	322.09	-38.36	-321.62	0.28	-0.26	0.79
4,265.00	8.91	350.40	4,236.46	336.55	-40.53	-336.06	0.37	0.12	-2.25
4,360.00	8.66	349.44	4,330.34	350.84	-43.07	-350.31	0.31	-0.26	-1.01
4,455.00	8.55	352.35	4,424.28	364.87	-45.32	-364.31	0.47	-0.12	3.06
4,549.00	8.37	353.19	4,517.25	378.59	-47.06	-378.01	0.23	-0.19	0.89
4,644.00	7.99	353.76	4,611.29	392.02	-48.60	-391.42	0.41	-0.40	0.60
4,739.00	7.66	354.57	4,705.40	404.88	-49.91	-404.27	0.37	-0.35	0.85
4,834.00	7.35	355.07	4,799.59	417.24	-51.03	-416.62	0.33	-0.33	0.53
4,929.00	7.25	355.97	4,893.82	429.27	-51.98	-428.64	0.16	-0.11	0.95
5,023.00	7.44	354.40	4,987.05	441.25	-52.99	-440.60	0.29	0.20	-1.67



Survey Report



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Well:	502H	North Reference:	True
Wellbore:	OH / 67597	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 313)	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)
5,118.00	8.59	352.68	5,081.12	454.41	-54.49	-453.74	1.24	1.21	-1.81
5,213.00	8.44	351.92	5,175.07	468.35	-56.38	-467.65	0.20	-0.16	-0.80
5,307.00	8.52	351.08	5,268.04	482.06	-58.43	-481.34	0.16	0.09	-0.89
5,402.00	8.95	350.02	5,361.94	496.29	-60.80	-495.54	0.48	0.45	-1.12
5,497.00	9.51	347.99	5,455.71	511.24	-63.71	-510.46	0.68	0.59	-2.14
5,544.00	9.64	347.95	5,502.06	518.89	-65.34	-518.09	0.28	0.28	-0.09
5,709.00	11.01	350.98	5,664.38	547.96	-70.70	-547.10	0.89	0.83	1.84
5,803.00	11.19	351.10	5,756.62	565.84	-73.51	-564.94	0.19	0.19	0.13
5,898.00	11.02	350.76	5,849.84	583.90	-76.40	-582.97	0.19	-0.18	-0.36
5,993.00	10.18	347.27	5,943.22	601.06	-79.71	-600.08	1.11	-0.88	-3.67
6,087.00	10.45	351.65	6,035.70	617.59	-82.77	-616.58	0.88	0.29	4.66
6,182.00	9.73	348.31	6,129.24	633.98	-85.65	-632.93	0.98	-0.76	-3.52
6,276.00	11.57	352.62	6,221.61	651.11	-88.47	-650.03	2.13	1.96	4.59
6,371.00	11.53	353.56	6,314.69	669.99	-90.76	-668.88	0.20	-0.04	0.99
6,466.00	10.68	352.34	6,407.91	688.15	-93.00	-687.01	0.93	-0.89	-1.28
6,561.00	9.52	349.83	6,501.44	704.61	-95.56	-703.44	1.31	-1.22	-2.64
6,655.00	10.20	353.30	6,594.05	720.52	-97.90	-719.33	0.96	0.72	3.69
6,749.00	10.34	355.07	6,686.54	737.20	-99.60	-735.98	0.37	0.15	1.88
6,844.00	10.38	353.15	6,780.00	754.19	-101.35	-752.95	0.37	0.04	-2.02
6,938.00	10.13	352.95	6,872.49	770.80	-103.38	-769.54	0.27	-0.27	-0.21
7,032.00	8.07	350.72	6,965.31	785.52	-105.46	-784.23	2.22	-2.19	-2.37
7,128.00	7.29	349.25	7,060.44	798.15	-107.68	-796.84	0.84	-0.81	-1.53
7,223.00	5.58	346.83	7,154.84	808.57	-109.86	-807.23	1.82	-1.80	-2.55
7,317.00	5.14	348.88	7,248.43	817.15	-111.71	-815.79	0.51	-0.47	2.18
7,412.00	6.28	351.63	7,342.96	826.47	-113.29	-825.09	1.23	1.20	2.89
7,507.00	5.70	348.88	7,437.44	836.24	-114.95	-834.84	0.68	-0.61	-2.89
7,601.00	4.97	345.82	7,531.03	844.77	-116.85	-843.34	0.83	-0.78	-3.26
7,696.00	4.29	350.38	7,625.72	852.26	-118.45	-850.82	0.81	-0.72	4.80
7,791.00	3.58	348.89	7,720.50	858.67	-119.62	-857.22	0.76	-0.75	-1.57
7,886.00	2.89	347.92	7,815.34	863.92	-120.69	-862.45	0.73	-0.73	-1.02
7,981.00	2.85	349.38	7,910.23	868.59	-121.63	-867.11	0.09	-0.04	1.54
8,076.00	4.45	344.12	8,005.03	874.45	-123.07	-872.96	1.72	1.68	-5.54
8,171.00	5.42	343.64	8,099.68	882.30	-125.34	-880.78	1.02	1.02	-0.51
8,266.00	4.66	341.54	8,194.31	890.27	-127.83	-888.71	0.82	-0.80	-2.21
8,360.00	4.23	337.09	8,288.03	897.09	-130.39	-895.50	0.59	-0.46	-4.73
8,455.00	3.64	338.21	8,382.80	903.11	-132.87	-901.50	0.63	-0.62	1.18
8,550.00	2.03	346.63	8,477.68	907.55	-134.38	-905.92	1.75	-1.69	8.86
8,644.00	1.84	358.81	8,571.63	910.68	-134.80	-909.04	0.48	-0.20	12.96
8,739.00	1.73	342.66	8,666.58	913.57	-135.25	-911.93	0.54	-0.12	-17.00
8,834.00	1.27	355.58	8,761.55	915.99	-135.76	-914.34	0.60	-0.48	13.60
8,929.00	1.49	40.88	8,856.53	917.97	-135.04	-916.33	1.14	0.23	47.68
9,024.00	1.31	64.61	8,951.50	919.37	-133.25	-917.75	0.63	-0.19	24.98
9,119.00	1.48	71.31	9,046.47	920.23	-131.10	-918.64	0.25	0.18	7.05



Survey Report



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Site:	Hagberry 9 State Com	MD Reference:	RKB @ 3641.90usft (H&P 313)
Well:	502H	North Reference:	True
Wellbore:	OH / 67597	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 313)	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)
9,309.00	1.64	74.91	9,236.40	921.73	-126.15	-920.19	0.10	0.08	1.89
9,403.00	2.14	80.96	9,330.35	922.35	-123.12	-920.85	0.57	0.53	6.44
9,498.00	2.27	92.00	9,425.28	922.57	-119.49	-921.11	0.47	0.14	11.62
9,614.00	5.20	141.61	9,541.04	918.36	-113.93	-916.97	3.54	2.53	42.77
9,709.00	12.36	170.45	9,634.91	904.94	-109.56	-903.60	8.62	7.54	30.36
9,804.00	21.23	175.01	9,725.77	877.72	-106.37	-876.42	9.43	9.34	4.80
9,898.00	30.84	173.49	9,810.13	836.73	-102.15	-835.48	10.25	10.22	-1.62
9,993.00	42.36	176.63	9,886.28	780.39	-97.49	-779.20	12.28	12.13	3.31
10,087.00	49.32	177.52	9,951.72	713.09	-94.08	-711.94	7.44	7.40	0.95
10,182.00	54.70	179.45	10,010.18	638.28	-92.15	-637.15	5.88	5.66	2.03
10,277.00	62.80	182.94	10,059.44	557.17	-93.95	-556.03	9.08	8.53	3.67
10,372.00	70.56	181.54	10,097.02	470.06	-97.32	-468.89	8.28	8.17	-1.47
10,466.00	78.08	182.00	10,122.40	379.67	-100.12	-378.47	8.01	8.00	0.49
10,560.00	84.32	181.56	10,136.78	286.87	-103.00	-285.64	6.65	6.64	-0.47
10,655.00	88.62	182.70	10,142.62	192.14	-106.53	-190.88	4.68	4.53	1.20
10,687.00	88.76	182.88	10,143.36	160.18	-108.09	-158.91	0.71	0.44	0.56
10,775.00	88.93	182.59	10,145.13	72.30	-112.29	-70.98	0.38	0.19	-0.33
10,870.00	88.82	181.83	10,146.99	-22.61	-115.95	23.96	0.81	-0.12	-0.80
10,965.00	89.45	181.72	10,148.43	-117.55	-118.89	118.94	0.67	0.66	-0.12
11,059.00	89.67	183.04	10,149.15	-211.47	-122.79	212.89	1.42	0.23	1.40
11,154.00	89.82	182.81	10,149.57	-306.34	-127.64	307.81	0.29	0.16	-0.24
11,248.00	90.15	179.15	10,149.60	-400.31	-129.25	401.80	3.91	0.35	-3.89
11,343.00	89.76	180.25	10,149.67	-495.31	-128.75	496.78	1.23	-0.41	1.16
11,438.00	89.78	180.13	10,150.05	-590.31	-129.07	591.78	0.13	0.02	-0.13
11,533.00	89.18	180.18	10,150.92	-685.30	-129.32	686.77	0.63	-0.63	0.05
11,628.00	89.73	180.03	10,151.82	-780.30	-129.50	781.76	0.60	0.58	-0.16
11,722.00	90.53	180.36	10,151.61	-874.30	-129.82	875.76	0.92	0.85	0.35
11,817.00	89.85	179.37	10,151.29	-969.30	-129.59	970.74	1.26	-0.72	-1.04
11,912.00	89.47	179.50	10,151.86	-1,064.29	-128.66	1,065.72	0.42	-0.40	0.14
12,007.00	88.75	180.25	10,153.33	-1,159.28	-128.45	1,160.70	1.09	-0.76	0.79
12,101.00	88.93	180.49	10,155.23	-1,253.25	-129.06	1,254.68	0.32	0.19	0.26
12,196.00	88.81	179.10	10,157.11	-1,348.23	-128.72	1,349.65	1.47	-0.13	-1.46
12,291.00	88.93	180.48	10,158.98	-1,443.21	-128.37	1,444.61	1.46	0.13	1.45
12,386.00	89.24	180.16	10,160.50	-1,538.20	-128.90	1,539.60	0.47	0.33	-0.34
12,481.00	88.82	179.56	10,162.11	-1,633.18	-128.67	1,634.58	0.77	-0.44	-0.63
12,576.00	88.84	178.91	10,164.05	-1,728.15	-127.40	1,729.53	0.68	0.02	-0.68
12,670.00	89.01	179.23	10,165.81	-1,822.13	-125.87	1,823.47	0.39	0.18	0.34
12,765.00	88.71	179.86	10,167.70	-1,917.10	-125.12	1,918.43	0.73	-0.32	0.66
12,860.00	88.17	179.85	10,170.29	-2,012.07	-124.88	2,013.39	0.57	-0.57	-0.01
12,955.00	88.87	179.48	10,172.74	-2,107.03	-124.32	2,108.34	0.83	0.74	-0.39
13,049.00	88.61	180.27	10,174.81	-2,201.01	-124.12	2,202.31	0.88	-0.28	0.84
13,144.00	88.22	181.05	10,177.43	-2,295.97	-125.21	2,297.27	0.92	-0.41	0.82
13,239.00	89.13	180.48	10,179.63	-2,390.93	-126.48	2,392.25	1.13	0.96	-0.60
13,334.00	88.37	179.38	10,181.70	-2,485.91	-126.36	2,487.21	1.41	-0.80	-1.16



Survey Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 502H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3641.90usft (H&P 313)
Site:	Hagberry 9 State Com	MD Reference:	RKB @ 3641.90usft (H&P 313)
Well:	502H	North Reference:	True
Wellbore:	OH / 67597	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 313)	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)
13,428.00	87.48	179.40	10,185.11	-2,579.84	-125.36	2,581.13	0.95	-0.95	0.02
13,523.00	87.40	178.86	10,189.35	-2,674.73	-123.92	2,676.00	0.57	-0.08	-0.57
13,619.00	87.22	179.80	10,193.86	-2,770.62	-122.80	2,771.86	1.00	-0.19	0.98
13,713.00	87.43	179.63	10,198.24	-2,864.51	-122.33	2,865.75	0.29	0.22	-0.18
13,808.00	86.56	180.59	10,203.22	-2,959.38	-122.52	2,960.61	1.36	-0.92	1.01
13,903.00	87.39	180.43	10,208.24	-3,054.24	-123.36	3,055.48	0.89	0.87	-0.17
13,997.00	87.33	178.72	10,212.57	-3,148.14	-122.66	3,149.36	1.82	-0.06	-1.82
14,092.00	87.28	179.52	10,217.03	-3,243.02	-121.21	3,244.22	0.84	-0.05	0.84
14,187.00	87.33	179.74	10,221.50	-3,337.91	-120.59	3,339.10	0.24	0.05	0.23
14,281.00	87.84	179.27	10,225.46	-3,431.83	-119.78	3,432.99	0.74	0.54	-0.50
14,376.00	88.07	180.01	10,228.85	-3,526.76	-119.19	3,527.92	0.82	0.24	0.78
14,471.00	88.68	179.92	10,231.55	-3,621.73	-119.13	3,622.87	0.65	0.64	-0.09
14,565.00	88.33	179.36	10,234.00	-3,715.69	-118.54	3,716.82	0.70	-0.37	-0.60
14,660.00	88.44	180.13	10,236.68	-3,810.65	-118.12	3,811.77	0.82	0.12	0.81
14,755.00	88.33	179.57	10,239.35	-3,905.61	-117.87	3,906.72	0.60	-0.12	-0.59
14,850.00	88.24	179.14	10,242.20	-4,000.56	-116.80	4,001.66	0.46	-0.09	-0.45
14,944.00	88.79	179.84	10,244.63	-4,094.53	-115.96	4,095.60	0.95	0.59	0.74
15,039.00	88.93	178.85	10,246.52	-4,189.50	-114.88	4,190.56	1.05	0.15	-1.04
15,133.00	88.82	179.46	10,248.37	-4,283.47	-113.49	4,284.51	0.66	-0.12	0.65
15,228.00	88.90	179.58	10,250.26	-4,378.45	-112.69	4,379.47	0.15	0.08	0.13
15,323.00	88.82	179.31	10,252.15	-4,473.43	-111.77	4,474.43	0.30	-0.08	-0.28
15,417.00	88.98	178.74	10,253.95	-4,567.40	-110.17	4,568.37	0.63	0.17	-0.61
15,512.00	88.81	179.50	10,255.78	-4,662.37	-108.72	4,663.32	0.82	-0.18	0.80
15,607.00	89.78	179.83	10,256.95	-4,757.36	-108.16	4,758.30	1.08	1.02	0.35
15,701.00	89.47	180.20	10,257.57	-4,851.35	-108.19	4,852.29	0.51	-0.33	0.39
15,796.00	90.13	179.83	10,257.90	-4,946.35	-108.21	4,947.28	0.80	0.69	-0.39
15,891.00	89.81	179.53	10,257.95	-5,041.35	-107.68	5,042.27	0.46	-0.34	-0.32
15,986.00	90.12	179.50	10,258.01	-5,136.35	-106.88	5,137.25	0.33	0.33	-0.03
16,081.00	89.82	179.15	10,258.06	-5,231.34	-105.76	5,232.22	0.49	-0.32	-0.37
16,176.00	90.36	179.92	10,257.91	-5,326.34	-104.99	5,327.20	0.99	0.57	0.81
16,270.00	90.15	179.49	10,257.49	-5,420.33	-104.50	5,421.19	0.51	-0.22	-0.46
16,365.00	89.36	179.87	10,257.90	-5,515.33	-103.97	5,516.17	0.92	-0.83	0.40
16,460.00	89.96	179.16	10,258.46	-5,610.32	-103.17	5,611.15	0.98	0.63	-0.75
16,555.00	90.16	179.41	10,258.36	-5,705.32	-101.98	5,706.12	0.34	0.21	0.26
16,649.00	89.99	179.39	10,258.24	-5,799.31	-101.00	5,800.10	0.18	-0.18	-0.02
16,744.00	89.84	179.22	10,258.38	-5,894.30	-99.84	5,895.07	0.24	-0.16	-0.18
16,839.00	89.73	179.38	10,258.73	-5,989.30	-98.68	5,990.04	0.20	-0.12	0.17
16,934.00	89.72	179.61	10,259.19	-6,084.29	-97.85	6,085.02	0.24	-0.01	0.24
17,029.00	89.78	180.29	10,259.61	-6,179.29	-97.76	6,180.01	0.72	0.06	0.72
17,124.00	89.87	179.63	10,259.90	-6,274.29	-97.70	6,275.00	0.70	0.09	-0.69
17,219.00	89.47	180.18	10,260.44	-6,369.29	-97.54	6,369.99	0.72	-0.42	0.58
17,313.00	89.19	181.94	10,261.54	-6,463.26	-99.28	6,463.98	1.90	-0.30	1.87
17,408.00	89.48	181.67	10,262.64	-6,558.21	-102.27	6,558.95	0.42	0.31	-0.28



Survey Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 502H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3641.90usft (H&P 313)
Site:	Hagberry 9 State Com	MD Reference:	RKB @ 3641.90usft (H&P 313)
Well:	502H	North Reference:	True
Wellbore:	OH / 67597	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 313)	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)
17,503.00	89.13	181.65	10,263.80	-6,653.16	-105.02	6,653.93	0.37	-0.37	-0.02
17,597.00	89.22	182.19	10,265.15	-6,747.10	-108.17	6,747.90	0.58	0.10	0.57
17,692.00	88.78	181.61	10,266.81	-6,842.03	-111.32	6,842.86	0.77	-0.46	-0.61
17,787.00	88.79	181.83	10,268.82	-6,936.97	-114.17	6,937.83	0.23	0.01	0.23
17,882.00	88.87	182.10	10,270.76	-7,031.89	-117.43	7,032.78	0.30	0.08	0.28
17,977.00	88.87	182.25	10,272.64	-7,126.80	-121.03	7,127.73	0.16	0.00	0.16
18,071.00	88.84	180.62	10,274.51	-7,220.75	-123.39	7,221.70	1.73	-0.03	-1.73
18,166.00	88.87	179.77	10,276.41	-7,315.73	-123.71	7,316.68	0.90	0.03	-0.89
18,261.00	88.65	179.93	10,278.47	-7,410.71	-123.46	7,411.65	0.29	-0.23	0.17
18,356.00	88.73	180.23	10,280.64	-7,505.68	-123.59	7,506.62	0.33	0.08	0.32
18,451.00	88.67	180.17	10,282.80	-7,600.66	-123.93	7,601.59	0.09	-0.06	-0.06
18,546.00	88.82	180.14	10,284.88	-7,695.64	-124.18	7,696.56	0.16	0.16	-0.03
18,641.00	88.84	179.74	10,286.82	-7,790.62	-124.08	7,791.53	0.42	0.02	-0.42
18,736.00	88.91	179.99	10,288.68	-7,885.60	-123.86	7,886.51	0.27	0.07	0.26
18,831.00	88.42	179.87	10,290.89	-7,980.57	-123.74	7,981.47	0.53	-0.52	-0.13
18,926.00	88.07	179.78	10,293.80	-8,075.53	-123.45	8,076.42	0.38	-0.37	-0.09
19,020.00	87.62	179.60	10,297.34	-8,169.46	-122.94	8,170.34	0.52	-0.48	-0.19
19,115.00	87.74	179.70	10,301.18	-8,264.38	-122.36	8,265.24	0.16	0.13	0.11
19,210.00	87.82	179.82	10,304.86	-8,359.31	-121.97	8,360.16	0.15	0.08	0.13
19,305.00	87.84	179.90	10,308.46	-8,454.24	-121.74	8,455.08	0.09	0.02	0.08
19,399.00	87.94	179.28	10,311.92	-8,548.17	-121.06	8,549.00	0.67	0.11	-0.66
19,494.00	88.48	179.85	10,314.89	-8,643.12	-120.34	8,643.94	0.83	0.57	0.60
19,588.00	88.47	179.09	10,317.39	-8,737.08	-119.47	8,737.88	0.81	-0.01	-0.81
19,682.00	87.65	179.93	10,320.57	-8,831.02	-118.67	8,831.81	1.25	-0.87	0.89
19,778.00	88.16	179.69	10,324.08	-8,926.96	-118.35	8,927.73	0.59	0.53	-0.25
19,872.00	88.70	179.64	10,326.66	-9,020.92	-117.80	9,021.68	0.58	0.57	-0.05
19,966.00	88.81	179.81	10,328.70	-9,114.90	-117.35	9,115.65	0.22	0.12	0.18
20,061.00	88.73	179.53	10,330.74	-9,209.87	-116.80	9,210.61	0.31	-0.08	-0.29
20,156.00	89.28	179.02	10,332.39	-9,304.85	-115.60	9,305.57	0.79	0.58	-0.54
20,251.00	88.99	179.25	10,333.82	-9,399.83	-114.17	9,400.52	0.39	-0.31	0.24
Final Phoenix MWD Survey									
20,281.00	88.99	179.25	10,334.35	-9,429.82	-113.78	9,430.51	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	-0.36	-0.73	First Phoenix MWD Survey
20,251.00	10,333.82	-9,399.83	-114.17	Final Phoenix MWD Survey
20,281.00	10,334.35	-9,429.82	-113.78	Projection to TD

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

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

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

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505			Form C-105 Revised April 3, 2017					
WELL COMPLETION OR RECOMPLETION REPORT AND LOG								1. WELL API NO. 30-025-48405		
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)								5. Lease Name or Unit Agreement Name Hagberry 9 State Com		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____								6. Well Number: 502H		
8. Name of Operator Centennial Resource Production, LLC						9. OGRID 372165				
10. Address of Operator 1001 17th St., Ste. 1800 Denver CO 80202						11. Pool name or Wildcat WC-025 G-07 S223505N; Bone Spring (98136)				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	C	9	22S	35E		1030	North	1816	West	Lea
BH:	N	16	22S	35E		100	South	1695	West	Lea
13. Date Spudded 3-19-21	14. Date T.D. Reached 4-5-21		15. Date Rig Released 4-6-21			16. Date Completed (Ready to Produce) 5-7-21		17. Elevations (DF and RKB, RT, GR, etc.) 3616.9 GR		
18. Total Measured Depth of Well 20,281			19. Plug Back Measured Depth 20,236			20. Was Directional Survey Made? Yes		21. Type Electric and Other Logs Run Gamma Ray		
22. Producing Interval(s), of this completion - Top, Bottom, Name 10,486 - 20,232 Bone Spring										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13-3/8		15.4#		1840		17-1/2		1535 CLC		
9-5/8		40		5618		12-1/4		1635 CLC		
5-1/2		20		20272		8-3/4 and 8-1/2		3160 CLC		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET	PACKER SET		
						2-7/8"	9622'			
26. Perforation record (interval, size, and number) 10,486 - 20,232 1986 Holes 0.43 Bone Spring						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						10,486 - 20,232		22,283,286 gals (38% Produced water)		
								25,056,250# Sand		
28. PRODUCTION										
Date First Production 5/12/21		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) Gas Lift				Well Status (<i>Prod. or Shut-in</i>) Producing				
Date of Test 5/31/21	Hours Tested 24	Choke Size 1"	Prod'n For Test Period	Oil - Bbl 1,000	Gas - MCF 1,348	Water - Bbl. 2,139	Gas - Oil Ratio 1,348			
Flow Tubing Press. 250	Casing Pressure 250	Calculated 24-Hour Rate	Oil - Bbl. 1,000	Gas - MCF 1,348	Water - Bbl. 2,139	Oil Gravity - API - (<i>Corr.</i>) 40				
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) Sold							30. Test Witnessed By Derrick Melton			
31. List Attachments C-102, C-104, Survey, additional points form, C-103										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.							33. Rig Release Date:			
34. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude _____ Longitude _____ NAD83										
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Signature Sandra Belt			Printed Name Sandra Belt			Title Regulatory Analyst			Date 6/17/21	
E-mail Address sandra@permianregulatory.com										

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

Southeastern New Mexico			Northwestern New Mexico		
T. Anhy	Cherry Canyon	5866	T. Ojo Alamo	T. Penn A"	
Rustler 1882	Manzanita Lime	6138	T. Kirtland	T. Penn. "B"	
B. Salt 3731	Brush Canyon	6957	T. Fruitland	T. Penn. "C"	
Capitan 4252	T. Miss		T. Pictured Cliffs	T. Penn. "D"	
T. 7 Rivers	T. Devonian		T. Cliff House	T. Leadville	
T. Queen	T. Silurian		T. Menefee	T. Madison	
T. Grayburg	T. Montoya		T. Point Lookout	T. Elbert	
T. San Andres	T. Simpson		T. Mancos	T. McCracken	
T. Glorieta	T. McKee		T. Gallup	T. Ignacio Otzte	
T. Paddock	T. Ellenburger		Base Greenhorn	T. Granite	
T. Blinebry	T. Gr. Wash		T. Dakota		
T. Tubb	T. Delaware Sand		T. Morrison		
T. Drinkard	Bone Springs Lime	8241	T. Todilto		
T. Abo	T. FBSG Sand	9387	T. Entrada		
T. Wolfcamp	T. SBSG Sand	9992	T. Wingate		
T. Penn	T.		T. Chinle		
T. Cisco (Bough C)	T.		T. Permian		

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

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

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

From	To	Thickness In Feet	Lithology

From To Thickness
In Feet Lithology

District I

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

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

ACKNOWLEDGMENTS

Action 35838

ACKNOWLEDGMENTS

Operator: CENTENNIAL RESOURCE PRODUCTION, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 35838
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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CONDITIONS

Action 35838

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	Action Number: 35838
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	8/18/2021