

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Centennial Resource Production, LLC 1001 17th St., Ste. 1800 Denver CO 80202		² OGRID Number 372165
		³ Reason for Filing Code/ Effective Date RT 5-7-21
⁴ API Number 30 - 0 25-48405	⁵ Pool Name WC-025 G-07 S223505N; 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 09	Township 22S	Range 35E	Lot Idn	Feet from the 1030	North/South Line North	Feet from the 1816	East/West line West	County Lea
--------------------	---------------	-----------------	--------------	---------	-----------------------	---------------------------	-----------------------	------------------------	---------------

¹¹ Bottom Hole Location

UL or lot no. N	Section 16	Township 22S	Range 35E	Lot Idn	Feet from the 100 101	North/South line South	Feet from the 1695 1692	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	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 3/19/2021	²² Ready Date 5/7/21	²³ TD 20,281MD	²⁴ PBTD 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 & 8-1/2		5-1/2	20272		3160 CLH
		2-7/8	9622		

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: Sandra Belt			OIL CONSERVATION DIVISION		
Printed name: Sandra Belt			Approved by: PATRICIA MARTINEZ		
Title: Regulatory Analyst			Title: PETROLEUM SPECIALIST		
E-mail Address: sandra@permianregulayory.com			Approval Date: 7/29/2021		
Date: 5-25-21		Phone: 432-413-9797			

SECTION 9, T22S, R35E, N.M.P.M.

DATE:

DESCRIPTION:

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 30-025-48405	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'

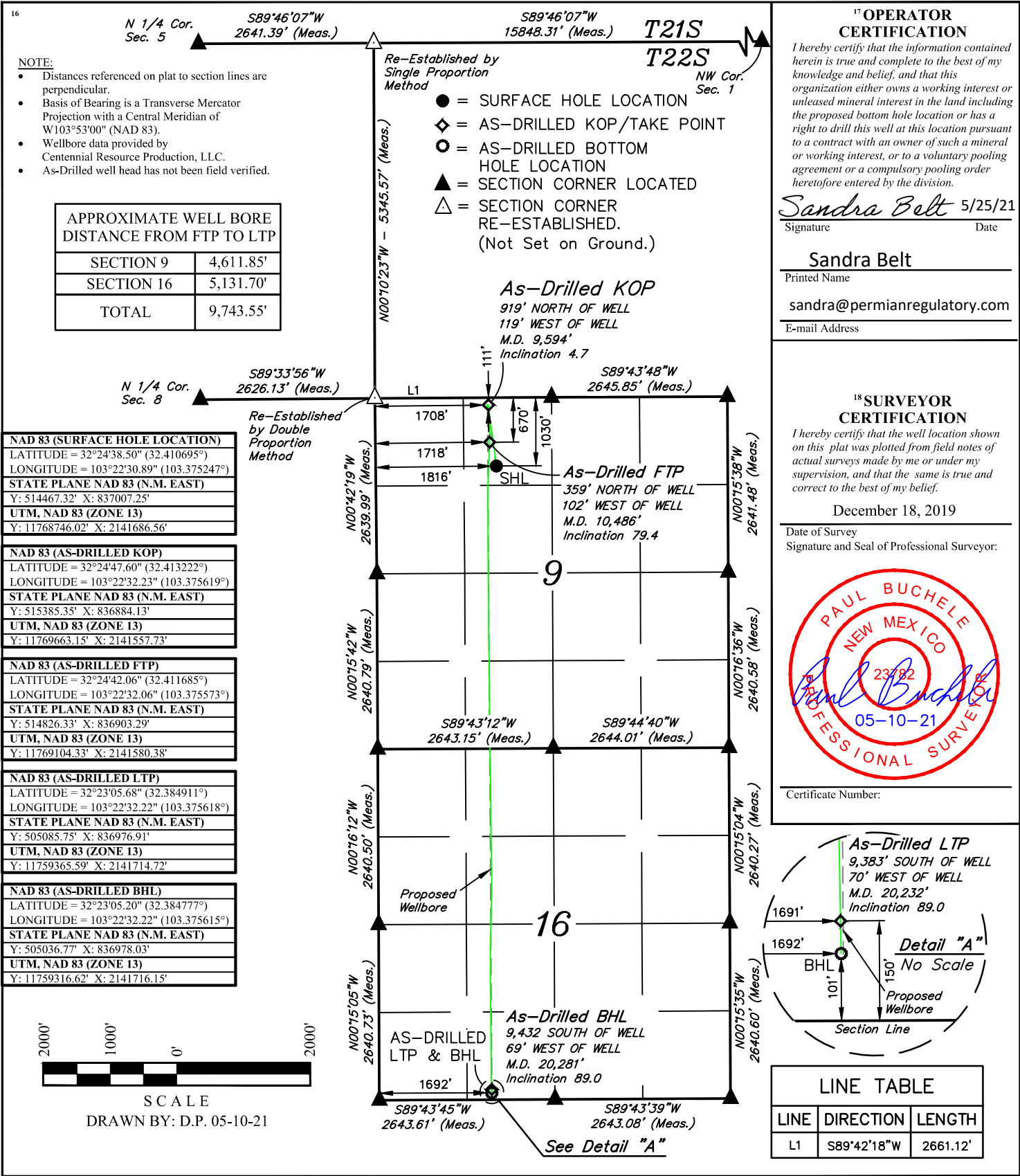
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	9	22S	35E		1030	NORTH	1816	WEST	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
N	16	22S	35E		101	SOUTH	1692	WEST	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



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)
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



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)
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



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)
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	

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 29430

ACKNOWLEDGMENTS

Operator: CENTENNIAL RESOURCE PRODUCTION, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 29430
	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 29430

CONDITIONS

Operator: CENTENNIAL RESOURCE PRODUCTION, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 29430
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	7/29/2021