

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 St., Ste. 1800 Denver CO 80202		² OGRID Number 372165	
		³ Reason for Filing Code/ Effective Date RT 5-9-21	
⁴ API Number 30 - 025-48406	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 503H

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 1846	East/West line West	County Lea
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¹¹ Bottom Hole Location

UL or lot no. O	Section 16	Township 22S	Range 35E	Lot Idn	Feet from the 104	North/South line South	Feet from the 2581	East/West line East	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 3/21/2021	²² Ready Date 5/9/21	²³ TD 20,281MD	²⁴ PBTd 20,199	²⁵ Perforations 10,400 - 20,195	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
17-1/2		13-3/8	1837		1535 CLC
12-1/4		9-5/8	5179		1145 CLC
8-3/4 & 8-1/2		5-1/2	20235		2435 CLH
		2-7/8	9645		

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: <i>Sandra Belt</i>			OIL CONSERVATION DIVISION		
Printed name: Sandra Belt			Approved by: Kurt Simmons		
Title: Regulatory Analyst			Title: NMOCD, Santa Fe		
E-mail Address: sandra@permianregulayory.com			Approval Date: 08/03/2021		
Date: 5-25-21		Phone: 432-413-9797	RT C-104 EXPIRES 11/03/2021		

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 30-025-48406	² Pool Code 98136	³ Well Name WC-025 G-07 5223505N; Bone Spring
⁴ Property Code 325758	⁵ Property Name HAGBERRY 9 STATE COM	⁶ Well Number 503H
⁷ OGRID No. 372165	⁸ Operator Name CENTENNIAL RESOURCE PRODUCTION, LLC	⁹ Elevation 3616.6'

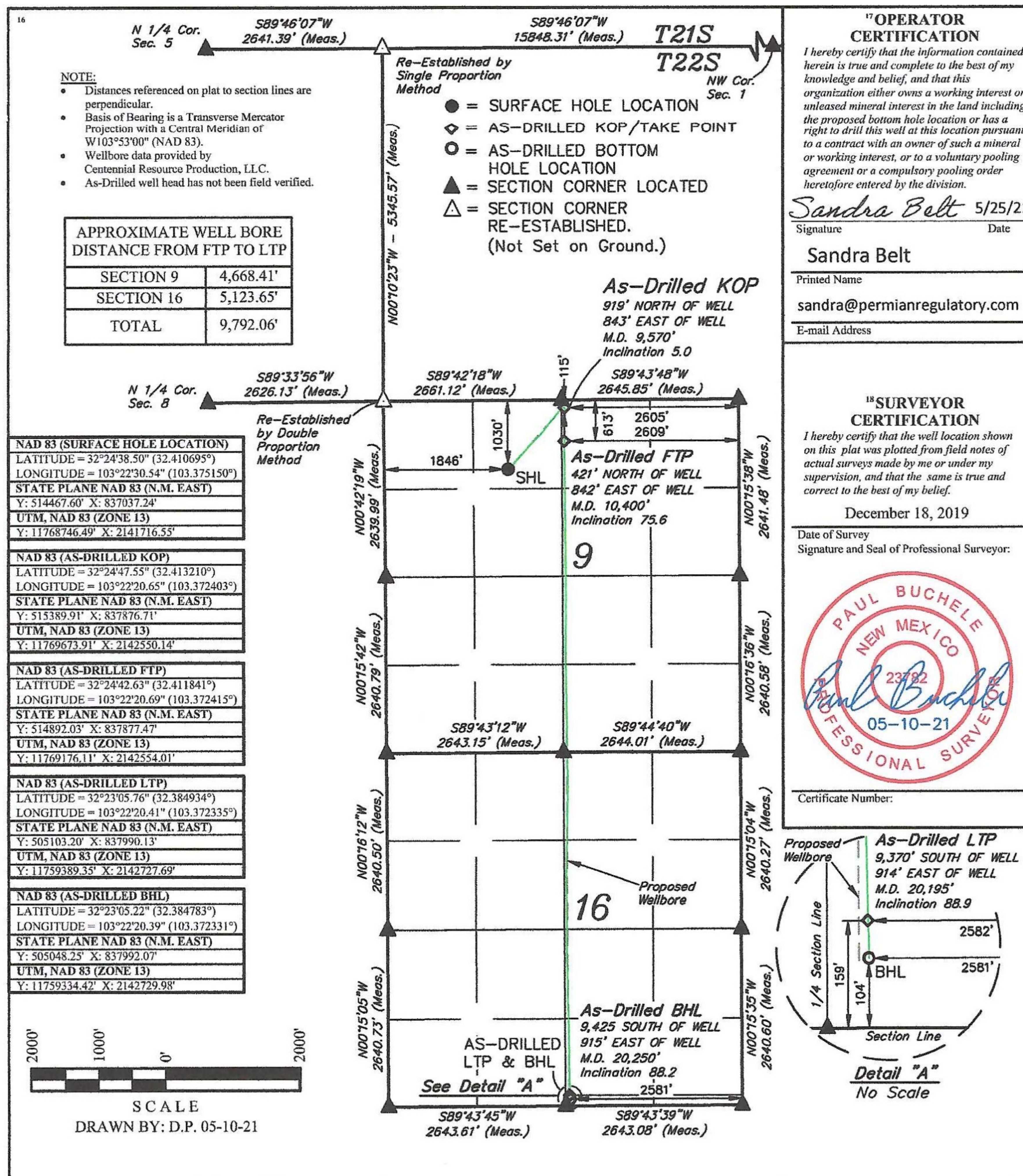
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	9	22S	35E		1030	NORTH	1846	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
O	16	22S	35E		104	SOUTH	2581	EAST	LEA
¹² Dedicated Acres 640	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
503H**

OH / 67596

Survey: Phoenix MWD Surveys

Standard Survey Report

16 April, 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 @ 3641.60usft (H&P 313)
Site:	Hagberry 9 State Com	MD Reference:	RKB @ 3641.60usft (H&P 313)
Well:	503H	North Reference:	True
Wellbore:	OH / 67596	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	503H		
Well Position	+N/-S	0.00 usft	Northing: 11,768,746.49 usft
	+E/-W	0.00 usft	Easting: 2,141,716.55 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
		Latitude:	32° 24' 38.503573 N
		Longitude:	103° 22' 30.539527 W
		Ground Level:	3,616.60 usft

Wellbore	OH / 67596		
Magnetics	Model Name	Sample Date	Declination (°)
	MVHD	4/1/2021	6.51
			Dip Angle (°) 60.13
			Field Strength (nT) 47,880.31517151

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 (°) 174.82

Survey Program	Date	4/16/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
195.00	20,250.00	Phoenix MWD Surveys (OH / 67596)	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
195.00	0.80	102.51	194.99	-0.29	1.33	0.41	0.41	0.41	0.00
First Phoenix MWD Survey									
321.00	0.76	104.74	320.98	-0.70	3.00	0.97	0.04	-0.03	1.77
416.00	0.80	117.83	415.97	-1.17	4.19	1.54	0.19	0.04	13.78
511.00	0.61	136.17	510.97	-1.84	5.13	2.30	0.31	-0.20	19.31
606.00	0.56	107.42	605.96	-2.35	5.92	2.87	0.31	-0.05	-30.26
701.00	0.47	95.34	700.96	-2.52	6.75	3.12	0.15	-0.09	-12.72
795.00	0.53	86.21	794.95	-2.53	7.57	3.20	0.11	0.06	-9.71
855.00	0.30	52.55	854.95	-2.41	7.97	3.12	0.54	-0.38	-56.10
950.00	0.12	28.73	949.95	-2.18	8.22	2.91	0.21	-0.19	-25.07



Survey Report



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Site:	Hagberry 9 State Com	MD Reference:	RKB @ 3641.60usft (H&P 313)
Well:	503H	North Reference:	True
Wellbore:	OH / 67596	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)
1,045.00	0.12	69.57	1,044.95	-2.05	8.36	2.80	0.09	0.00	42.99
1,140.00	0.05	114.28	1,139.95	-2.04	8.49	2.79	0.10	-0.07	47.06
1,235.00	0.20	155.62	1,234.95	-2.20	8.60	2.97	0.17	0.16	43.52
1,329.00	0.16	327.27	1,328.95	-2.24	8.59	3.01	0.38	-0.04	182.61
1,424.00	0.25	147.24	1,423.95	-2.31	8.63	3.08	0.43	0.09	189.44
1,518.00	0.28	193.77	1,517.95	-2.70	8.69	3.48	0.22	0.03	49.50
1,614.00	0.46	161.22	1,613.95	-3.29	8.76	4.07	0.28	0.19	-33.91
1,708.00	0.27	190.90	1,707.95	-3.87	8.84	4.65	0.28	-0.20	31.57
1,775.00	0.45	154.46	1,774.94	-4.26	8.92	5.05	0.42	0.27	-54.39
1,971.00	0.66	180.95	1,970.94	-6.08	9.23	6.89	0.17	0.11	13.52
2,066.00	1.00	77.82	2,065.93	-6.46	10.03	7.34	1.39	0.36	-108.56
2,160.00	3.40	55.59	2,159.85	-4.71	13.14	5.88	2.66	2.55	-23.65
2,255.00	5.67	47.61	2,254.55	0.05	18.93	1.66	2.47	2.39	-8.40
2,349.00	7.78	39.48	2,347.90	8.09	26.40	-5.67	2.46	2.24	-8.65
2,443.00	7.82	38.09	2,441.03	18.03	34.39	-14.86	0.21	0.04	-1.48
2,538.00	7.63	38.13	2,535.17	28.08	42.27	-24.15	0.20	-0.20	0.04
2,633.00	7.41	38.60	2,629.35	37.83	49.99	-33.16	0.24	-0.23	0.49
2,728.00	7.35	38.65	2,723.57	47.36	57.61	-41.97	0.06	-0.06	0.05
2,823.00	7.14	38.35	2,817.81	56.74	65.07	-50.63	0.22	-0.22	-0.32
2,918.00	8.81	36.04	2,911.89	67.25	73.01	-60.39	1.79	1.76	-2.43
3,013.00	11.18	37.16	3,005.44	80.48	82.86	-72.67	2.50	2.49	1.18
3,108.00	11.52	37.65	3,098.58	95.33	94.21	-86.43	0.37	0.36	0.52
3,202.00	11.98	38.65	3,190.61	110.38	106.04	-100.35	0.54	0.49	1.06
3,297.00	12.07	39.52	3,283.53	125.74	118.52	-114.53	0.21	0.09	0.92
3,391.00	12.29	40.49	3,375.41	140.93	131.27	-128.50	0.32	0.23	1.03
3,485.00	12.67	41.06	3,467.19	156.31	144.54	-142.62	0.42	0.40	0.61
3,580.00	13.20	40.85	3,559.78	172.37	158.47	-157.36	0.56	0.56	-0.22
3,675.00	13.59	41.80	3,652.19	188.90	173.01	-172.51	0.47	0.41	1.00
3,770.00	13.34	43.71	3,744.58	205.14	188.02	-187.33	0.54	-0.26	2.01
3,865.00	13.17	43.56	3,837.05	220.91	203.05	-201.67	0.18	-0.18	-0.16
3,960.00	11.68	42.68	3,929.82	235.82	217.03	-215.26	1.58	-1.57	-0.93
4,055.00	11.58	42.33	4,022.87	249.94	229.97	-228.15	0.13	-0.11	-0.37
4,149.00	11.52	42.43	4,114.97	263.84	242.65	-240.85	0.07	-0.06	0.11
4,244.00	11.33	41.57	4,208.09	277.82	255.25	-253.64	0.27	-0.20	-0.91
4,338.00	11.29	41.13	4,300.26	291.66	267.43	-266.33	0.10	-0.04	-0.47
4,433.00	11.19	41.10	4,393.44	305.61	279.60	-279.12	0.11	-0.11	-0.03
4,528.00	11.01	41.07	4,486.66	319.40	291.62	-291.76	0.19	-0.19	-0.03
4,623.00	11.13	41.12	4,579.89	333.14	303.61	-304.37	0.13	0.13	0.05
4,718.00	11.21	41.58	4,673.09	346.96	315.77	-317.03	0.13	0.08	0.48
4,813.00	10.97	42.55	4,766.32	360.53	328.01	-329.44	0.32	-0.25	1.02
4,907.00	10.66	43.25	4,858.65	373.45	340.02	-341.22	0.36	-0.33	0.74
5,002.00	10.53	43.94	4,952.03	386.10	352.06	-352.74	0.19	-0.14	0.73
5,097.00	10.36	44.04	5,045.46	398.49	364.02	-364.00	0.18	-0.18	0.11



Survey Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 503H
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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)
5,191.00	11.09	44.05	5,137.81	411.06	376.18	-375.42	0.78	0.78	0.01
5,286.00	11.47	44.03	5,230.98	424.42	389.10	-387.56	0.40	0.40	-0.02
5,381.00	11.45	43.70	5,324.09	438.03	402.18	-399.93	0.07	-0.02	-0.35
5,476.00	11.54	43.85	5,417.18	451.70	415.28	-412.36	0.10	0.09	0.16
5,555.00	11.58	44.62	5,494.58	463.04	426.32	-422.66	0.20	0.05	0.97
5,613.00	11.61	45.65	5,551.39	471.26	434.58	-430.10	0.36	0.05	1.78
5,709.00	11.68	46.38	5,645.42	484.72	448.53	-442.25	0.17	0.07	0.76
5,803.00	11.57	46.43	5,737.49	497.78	462.25	-454.02	0.12	-0.12	0.05
5,898.00	11.33	46.88	5,830.60	510.73	475.96	-465.67	0.27	-0.25	0.47
5,992.00	11.86	41.66	5,922.68	524.26	489.12	-477.95	1.25	0.56	-5.55
6,087.00	11.02	39.00	6,015.80	538.61	501.32	-491.14	1.04	-0.88	-2.80
6,182.00	9.34	41.31	6,109.30	551.45	512.13	-502.96	1.82	-1.77	2.43
6,276.00	10.81	36.56	6,201.85	564.26	522.41	-514.79	1.80	1.56	-5.05
6,371.00	12.38	38.31	6,294.91	579.41	534.03	-528.83	1.69	1.65	1.84
6,466.00	12.11	36.88	6,387.74	595.37	546.33	-543.62	0.43	-0.28	-1.51
6,561.00	11.52	38.08	6,480.73	610.81	558.16	-557.92	0.67	-0.62	1.26
6,655.00	11.29	37.05	6,572.88	625.54	569.49	-571.57	0.33	-0.24	-1.10
6,749.00	11.39	35.84	6,665.04	640.41	580.47	-585.39	0.27	0.11	-1.29
6,844.00	11.28	37.29	6,758.19	655.41	591.59	-599.32	0.32	-0.12	1.53
6,938.00	10.82	36.17	6,850.44	669.85	602.37	-612.73	0.54	-0.49	-1.19
7,032.00	11.57	39.51	6,942.66	684.24	613.57	-626.05	1.05	0.80	3.55
7,128.00	11.08	39.47	7,036.79	698.79	625.56	-639.46	0.51	-0.51	-0.04
7,223.00	10.13	42.42	7,130.16	712.00	637.00	-651.59	1.15	-1.00	3.11
7,317.00	11.18	41.90	7,222.54	724.89	648.66	-663.37	1.12	1.12	-0.55
7,412.00	10.74	41.33	7,315.81	738.39	660.66	-675.73	0.48	-0.46	-0.60
7,507.00	11.24	37.49	7,409.07	752.39	672.14	-688.63	0.93	0.53	-4.04
7,601.00	10.12	36.94	7,501.44	766.26	682.68	-701.49	1.20	-1.19	-0.59
7,696.00	10.61	39.75	7,594.89	779.65	693.29	-713.87	0.74	0.52	2.96
7,791.00	11.87	39.87	7,688.06	793.87	705.15	-726.97	1.33	1.33	0.13
7,886.00	11.53	41.46	7,781.09	808.49	717.70	-740.39	0.49	-0.36	1.67
7,981.00	10.84	41.00	7,874.28	822.35	729.84	-753.09	0.73	-0.73	-0.48
8,076.00	10.52	40.66	7,967.64	835.67	741.35	-765.32	0.34	-0.34	-0.36
8,171.00	10.46	39.04	8,061.05	848.94	752.44	-777.54	0.32	-0.06	-1.71
8,265.00	9.80	37.34	8,153.59	861.93	762.66	-789.55	0.77	-0.70	-1.81
8,360.00	9.76	36.96	8,247.21	874.79	772.41	-801.48	0.08	-0.04	-0.40
8,455.00	9.03	38.63	8,340.93	887.05	781.90	-812.84	0.82	-0.77	1.76
8,550.00	7.44	43.26	8,434.95	897.36	790.77	-822.30	1.81	-1.67	4.87
8,739.00	5.16	53.35	8,622.80	911.34	805.98	-834.85	1.34	-1.21	5.34
8,834.00	4.12	73.92	8,717.49	914.84	812.69	-837.73	2.05	-1.09	21.65
8,929.00	3.50	78.96	8,812.28	916.34	818.81	-838.67	0.74	-0.65	5.31
9,024.00	3.30	77.66	8,907.12	917.48	824.33	-839.31	0.23	-0.21	-1.37
9,119.00	3.22	80.62	9,001.96	918.50	829.63	-839.84	0.20	-0.08	3.12
9,214.00	2.71	87.24	9,096.84	919.04	834.51	-839.94	0.65	-0.54	6.97



Survey Report



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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)
9,308.00	2.34	90.82	9,190.75	919.12	838.65	-839.65	0.43	-0.39	3.81
9,403.00	2.76	84.90	9,285.65	919.30	842.87	-839.44	0.52	0.44	-6.23
9,498.00	1.18	92.34	9,380.59	919.46	846.12	-839.31	1.68	-1.66	7.83
9,618.00	7.59	169.96	9,500.22	911.59	848.74	-831.24	6.19	5.34	64.68
9,713.00	18.10	177.60	9,592.72	890.61	850.46	-810.19	11.18	11.06	8.04
9,808.00	26.29	176.01	9,680.61	854.82	852.54	-774.36	8.64	8.62	-1.67
9,903.00	34.09	176.01	9,762.66	807.20	855.87	-726.63	8.21	8.21	0.00
9,997.00	42.51	181.65	9,836.38	749.05	856.79	-668.64	9.69	8.96	6.00
10,092.00	49.96	182.98	9,902.05	680.55	853.97	-600.67	7.91	7.84	1.40
10,187.00	52.55	181.00	9,961.50	606.52	851.42	-527.17	3.17	2.73	-2.08
10,282.00	61.62	181.38	10,013.07	526.87	849.75	-448.00	9.55	9.55	0.40
10,376.00	73.48	183.93	10,048.91	440.25	845.65	-362.10	12.86	12.62	2.71
10,471.00	81.99	184.21	10,069.07	347.74	839.06	-270.56	8.96	8.96	0.29
10,565.00	88.90	179.31	10,076.54	254.17	836.21	-177.63	9.00	7.35	-5.21
10,680.00	89.16	178.84	10,078.49	139.20	838.06	-62.96	0.47	0.23	-0.41
10,775.00	88.87	178.85	10,080.12	44.23	839.98	31.79	0.31	-0.31	0.01
10,870.00	88.96	179.13	10,081.92	-50.74	841.65	126.52	0.31	0.09	0.29
10,965.00	89.36	179.41	10,083.31	-145.72	842.86	221.22	0.51	0.42	0.29
11,059.00	89.24	179.99	10,084.46	-239.71	843.36	314.87	0.63	-0.13	0.62
11,154.00	89.14	179.96	10,085.80	-334.70	843.40	409.48	0.11	-0.11	-0.03
11,248.00	89.11	179.84	10,087.24	-428.69	843.56	503.10	0.13	-0.03	-0.13
11,343.00	88.70	180.14	10,089.05	-523.67	843.58	597.70	0.53	-0.43	0.32
11,438.00	88.94	180.05	10,091.01	-618.65	843.42	692.27	0.27	0.25	-0.09
11,533.00	88.94	179.97	10,092.77	-713.63	843.40	786.87	0.08	0.00	-0.08
11,628.00	88.74	179.77	10,094.69	-808.62	843.62	881.48	0.30	-0.21	-0.21
11,722.00	89.01	179.72	10,096.53	-902.60	844.04	975.11	0.29	0.29	-0.05
11,817.00	88.36	179.55	10,098.72	-997.57	844.64	1,069.75	0.71	-0.68	-0.18
11,912.00	88.73	180.12	10,101.13	-1,092.54	844.92	1,164.36	0.72	0.39	0.60
12,006.00	88.71	179.79	10,103.23	-1,186.51	844.99	1,257.96	0.35	-0.02	-0.35
12,101.00	88.74	180.22	10,105.34	-1,281.49	844.98	1,352.54	0.45	0.03	0.45
12,196.00	88.84	180.02	10,107.35	-1,376.47	844.78	1,447.12	0.24	0.11	-0.21
12,291.00	88.44	180.21	10,109.60	-1,471.44	844.59	1,541.69	0.47	-0.42	0.20
12,386.00	88.73	179.45	10,111.95	-1,566.41	844.87	1,636.29	0.86	0.31	-0.80
12,481.00	88.53	180.49	10,114.22	-1,661.38	844.92	1,730.88	1.11	-0.21	1.09
12,576.00	88.28	179.74	10,116.86	-1,756.34	844.73	1,825.44	0.83	-0.26	-0.79
12,670.00	88.10	179.98	10,119.83	-1,850.30	844.96	1,919.03	0.32	-0.19	0.26
12,765.00	88.02	179.88	10,123.05	-1,945.24	845.08	2,013.60	0.13	-0.08	-0.11
12,860.00	88.39	181.04	10,126.02	-2,040.19	844.32	2,108.09	1.28	0.39	1.22
12,955.00	88.10	180.73	10,128.93	-2,135.13	842.85	2,202.51	0.45	-0.31	-0.33
13,050.00	87.85	180.53	10,132.29	-2,230.07	841.81	2,296.96	0.34	-0.26	-0.21
13,144.00	88.34	179.66	10,135.42	-2,324.02	841.65	2,390.51	1.06	0.52	-0.93
13,239.00	88.21	180.48	10,138.28	-2,418.97	841.53	2,485.07	0.87	-0.14	0.86
13,334.00	88.07	179.73	10,141.36	-2,513.92	841.36	2,579.62	0.80	-0.15	-0.79
13,429.00	88.16	180.24	10,144.48	-2,608.87	841.38	2,674.18	0.54	0.09	0.54



Survey Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 503H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3641.60usft (H&P 313)
Site:	Hagberry 9 State Com	MD Reference:	RKB @ 3641.60usft (H&P 313)
Well:	503H	North Reference:	True
Wellbore:	OH / 67596	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)
13,523.00	88.24	180.11	10,147.44	-2,702.82	841.10	2,767.72	0.16	0.09	-0.14
13,619.00	88.16	179.65	10,150.45	-2,798.78	841.30	2,863.30	0.49	-0.08	-0.48
13,713.00	88.34	179.91	10,153.32	-2,892.73	841.66	2,956.91	0.34	0.19	0.28
13,808.00	88.19	179.32	10,156.20	-2,987.68	842.30	3,051.53	0.64	-0.16	-0.62
13,903.00	88.31	179.05	10,159.10	-3,082.63	843.65	3,146.21	0.31	0.13	-0.28
13,997.00	87.82	179.12	10,162.27	-3,176.56	845.15	3,239.90	0.53	-0.52	0.07
14,092.00	88.27	179.38	10,165.51	-3,271.50	846.39	3,334.56	0.55	0.47	0.27
14,187.00	88.94	179.91	10,167.83	-3,366.47	846.98	3,429.19	0.90	0.71	0.56
14,281.00	89.22	179.53	10,169.34	-3,460.46	847.44	3,522.83	0.50	0.30	-0.40
14,376.00	89.36	179.58	10,170.51	-3,555.45	848.18	3,617.50	0.16	0.15	0.05
14,471.00	89.22	179.40	10,171.69	-3,650.44	849.02	3,712.18	0.24	-0.15	-0.19
14,566.00	89.28	179.55	10,172.93	-3,745.42	849.89	3,806.86	0.17	0.06	0.16
14,660.00	89.24	179.22	10,174.15	-3,839.41	850.90	3,900.55	0.35	-0.04	-0.35
14,755.00	89.28	178.93	10,175.38	-3,934.39	852.43	3,995.28	0.31	0.04	-0.31
14,850.00	89.25	179.06	10,176.59	-4,029.37	854.10	4,090.02	0.14	-0.03	0.14
14,944.00	89.36	179.40	10,177.73	-4,123.35	855.36	4,183.74	0.38	0.12	0.36
15,039.00	89.33	179.46	10,178.82	-4,218.34	856.31	4,278.42	0.07	-0.03	0.06
15,134.00	89.28	179.36	10,179.97	-4,313.33	857.29	4,373.11	0.12	-0.05	-0.11
15,228.00	89.28	179.42	10,181.15	-4,407.32	858.29	4,466.81	0.06	0.00	0.06
15,323.00	89.25	178.91	10,182.37	-4,502.30	859.67	4,561.53	0.54	-0.03	-0.54
15,417.00	89.27	178.81	10,183.59	-4,596.27	861.54	4,655.28	0.11	0.02	-0.11
15,512.00	89.07	179.99	10,184.96	-4,691.25	862.54	4,749.97	1.26	-0.21	1.24
15,607.00	89.13	181.19	10,186.46	-4,786.24	861.56	4,844.47	1.26	0.06	1.26
15,701.00	89.36	181.03	10,187.69	-4,880.21	859.74	4,937.90	0.30	0.24	-0.17
15,796.00	89.31	181.30	10,188.80	-4,975.18	857.81	5,032.31	0.29	-0.05	0.28
15,891.00	89.27	181.59	10,189.97	-5,070.15	855.41	5,126.67	0.31	-0.04	0.31
15,986.00	89.18	181.31	10,191.26	-5,165.11	853.01	5,221.03	0.31	-0.09	-0.29
16,081.00	88.88	181.26	10,192.87	-5,260.07	850.88	5,315.41	0.32	-0.32	-0.05
16,176.00	88.76	181.79	10,194.82	-5,355.01	848.35	5,409.74	0.57	-0.13	0.56
16,270.00	88.74	181.61	10,196.87	-5,448.95	845.56	5,503.04	0.19	-0.02	-0.19
16,365.00	87.57	181.94	10,199.93	-5,543.85	842.62	5,597.29	1.28	-1.23	0.35
16,460.00	89.44	181.53	10,202.41	-5,638.77	839.75	5,691.56	2.02	1.97	-0.43
16,555.00	88.91	181.35	10,203.78	-5,733.73	837.36	5,785.92	0.59	-0.56	-0.19
16,649.00	88.76	181.07	10,205.69	-5,827.69	835.37	5,879.31	0.34	-0.16	-0.30
16,744.00	88.74	181.49	10,207.76	-5,922.65	833.25	5,973.69	0.44	-0.02	0.44
16,839.00	88.91	181.08	10,209.71	-6,017.60	831.12	6,068.06	0.47	0.18	-0.43
16,934.00	89.07	179.58	10,211.38	-6,112.58	830.58	6,162.61	1.59	0.17	-1.58
17,029.00	88.88	179.57	10,213.08	-6,207.57	831.28	6,257.27	0.20	-0.20	-0.01
17,124.00	88.84	179.40	10,214.97	-6,302.54	832.13	6,351.93	0.18	-0.04	-0.18
17,219.00	88.88	179.36	10,216.86	-6,397.52	833.16	6,446.61	0.06	0.04	-0.04
17,313.00	88.56	179.58	10,218.96	-6,491.49	834.03	6,540.28	0.41	-0.34	0.23
17,408.00	89.04	179.92	10,220.95	-6,586.47	834.45	6,634.91	0.62	0.51	0.36
17,503.00	88.71	179.38	10,222.82	-6,681.45	835.03	6,729.55	0.67	-0.35	-0.57



Survey Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 503H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3641.60usft (H&P 313)
Site:	Hagberry 9 State Com	MD Reference:	RKB @ 3641.60usft (H&P 313)
Well:	503H	North Reference:	True
Wellbore:	OH / 67596	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)
17,597.00	88.78	179.84	10,224.88	-6,775.42	835.67	6,823.20	0.49	0.07	0.49
17,692.00	88.61	179.52	10,227.04	-6,870.40	836.20	6,917.83	0.38	-0.18	-0.34
17,787.00	88.64	179.57	10,229.32	-6,965.37	836.95	7,012.48	0.06	0.03	0.05
17,882.00	88.64	180.52	10,231.58	-7,060.34	836.88	7,107.06	1.00	0.00	1.00
17,977.00	88.96	179.61	10,233.57	-7,155.32	836.77	7,201.64	1.02	0.34	-0.96
18,071.00	89.27	178.90	10,235.02	-7,249.30	837.99	7,295.35	0.82	0.33	-0.76
18,166.00	88.82	178.78	10,236.60	-7,344.26	839.91	7,390.10	0.49	-0.47	-0.13
18,261.00	88.64	178.91	10,238.71	-7,439.22	841.83	7,484.84	0.23	-0.19	0.14
18,356.00	88.24	179.47	10,241.29	-7,534.18	843.17	7,579.53	0.72	-0.42	0.59
18,451.00	88.34	179.57	10,244.13	-7,629.13	843.97	7,674.17	0.15	0.11	0.11
18,546.00	89.84	178.56	10,245.64	-7,724.10	845.52	7,768.89	1.90	1.58	-1.06
18,641.00	88.24	178.84	10,247.23	-7,819.06	847.67	7,863.66	1.71	-1.68	0.29
18,736.00	88.26	178.75	10,250.13	-7,914.00	849.67	7,958.39	0.10	0.02	-0.09
18,831.00	88.62	179.14	10,252.72	-8,008.94	851.42	8,053.11	0.56	0.38	0.41
18,926.00	88.21	179.44	10,255.34	-8,103.90	852.59	8,147.78	0.53	-0.43	0.32
19,020.00	88.31	179.70	10,258.20	-8,197.85	853.30	8,241.41	0.30	0.11	0.28
19,115.00	88.76	179.07	10,260.63	-8,292.82	854.32	8,336.08	0.81	0.47	-0.66
19,210.00	88.33	178.41	10,263.04	-8,387.76	856.41	8,430.83	0.83	-0.45	-0.69
19,305.00	88.24	179.71	10,265.88	-8,482.71	857.96	8,525.52	1.37	-0.09	1.37
19,399.00	88.61	179.32	10,268.47	-8,576.67	858.76	8,619.17	0.57	0.39	-0.41
19,494.00	89.31	179.63	10,270.19	-8,671.65	859.63	8,713.84	0.81	0.74	0.33
19,588.00	89.02	179.47	10,271.56	-8,765.63	860.37	8,807.51	0.35	-0.31	-0.17
19,683.00	88.88	180.11	10,273.30	-8,860.62	860.71	8,902.14	0.69	-0.15	0.67
19,778.00	89.35	179.42	10,274.77	-8,955.60	861.10	8,996.77	0.88	0.49	-0.73
19,872.00	89.42	179.34	10,275.78	-9,049.59	862.12	9,090.47	0.11	0.07	-0.09
19,966.00	89.47	178.66	10,276.69	-9,143.57	863.76	9,184.21	0.73	0.05	-0.72
20,061.00	88.68	178.65	10,278.22	-9,238.53	865.99	9,278.99	0.83	-0.83	-0.01
20,156.00	89.85	179.00	10,279.44	-9,333.50	867.94	9,373.75	1.29	1.23	0.37
20,225.00	88.19	178.29	10,280.62	-9,402.47	869.57	9,442.58	2.62	-2.41	-1.03
Final Phoenix MWD Survey									
20,250.00	88.19	178.29	10,281.41	-9,427.45	870.32	9,467.52	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)	
195.00	194.99	-0.29	1.33	First Phoenix MWD Survey
20,225.00	10,280.62	-9,402.47	869.57	Final Phoenix MWD Survey
20,250.00	10,281.41	-9,427.45	870.32	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 29485

ACKNOWLEDGMENTS

Operator: CENTENNIAL RESOURCE PRODUCTION, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 29485
	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
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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 29485

CONDITIONS

Operator: CENTENNIAL RESOURCE PRODUCTION, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 29485
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	RT C-103 EXPIRES 11/03/2021;Submit all drilling, casing, and completion sundries/reports.	8/3/2021