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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

REC'D 10/7/2020 - NMOC

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 30-025-45682	² Pool Code 97293	³ Pool Name Ojo Chiso; Bone Spring, South
⁴ Property Code 325119	⁵ Property Name DONKEY KONG 1 FED COM	⁶ Well Number #602H
⁷ OGRID No. 372165	⁸ Operator Name CENTENNIAL RESOURCE PRODUCTION, LLC	⁹ Elevation 3365.6'

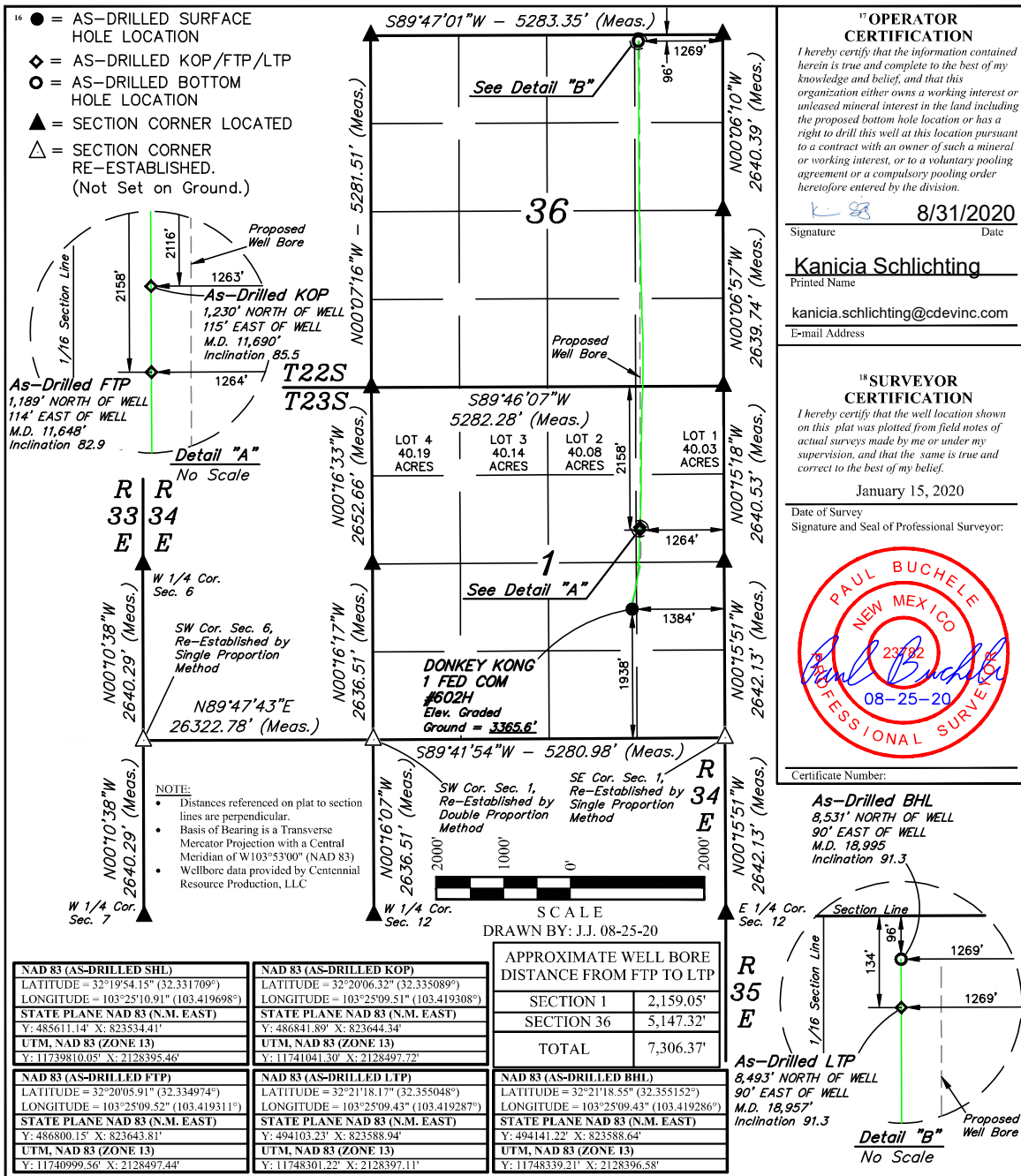
¹⁰ Surface Location

UL or lot no. J	Section 1	Township 23S	Range 34E	Lot Idn	Feet from the 1938	North/South line SOUTH	Feet from the 1384	East/West line EAST	County LEA
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. A	Section 36	Township 22S	Range 34E	Lot Idn	Feet from the 96	North/South line NORTH	Feet from the 1269	East/West line EAST	County LEA
¹² Dedicated Acres 240.03	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)
Donkey Kong 1 Fed Com
602H**

ST01 / 66214

Survey: Phoenix MWD Surveys

Standard Survey Report

12 March, 2020



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 602H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3390.70usft (H&P 618)
Site:	Donkey Kong 1 Fed Com	MD Reference:	RKB @ 3390.70usft (H&P 618)
Well:	602H	North Reference:	True
Wellbore:	ST01 / 66214	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 618)	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		Donkey Kong 1 Fed Com				
Site Position:		Northing:	11,739,812.05 usft	Latitude:	32.331713	
From:	Map	Easting:	2,128,423.75 usft	Longitude:	-103.419606	
Position Uncertainty:		0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.85 °

Well	602H					
Well Position	+N/-S	0.00 usft	Northing:	11,739,811.56 usft	Latitude:	32.331713
	+E/-W	0.00 usft	Easting:	2,128,393.77 usft	Longitude:	-103.419703
Position Uncertainty		1.00 usft	Wellhead Elevation:	usft	Ground Level:	3,364.20 usft

Wellbore	ST01 / 66214				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	User Defined	2/23/2020	6.59	60.01	47,828.00000000

Design	Surveys (H&P 618)				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	11,661.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	0.97	

Survey Program	Date	3/11/2020			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
14.50	1,859.50	MWD Surveys (OH / 66214)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction	
1,859.50	11,661.00	Phoenix MWD Surveys (OH / 66214)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction	
11,690.00	18,995.00	Phoenix MWD Surveys (ST01 / 66214)	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)	
11,661.00	84.34	0.78	11,320.55	1,200.89	119.72	1,202.75	0.00	0.00	0.00	
Tie In										
11,690.00	85.47	2.04	11,323.13	1,229.77	120.43	1,231.63	5.82	3.90	4.34	
First Phoenix MWD Survey - ST01										
11,715.00	83.79	1.90	11,325.47	1,254.64	121.28	1,256.51	6.74	-6.72	-0.56	
11,746.00	83.42	1.86	11,328.92	1,285.43	122.29	1,287.32	1.20	-1.19	-0.13	
11,777.00	83.45	2.05	11,332.47	1,316.21	123.35	1,318.11	0.62	0.10	0.61	
11,824.00	88.84	3.94	11,335.63	1,363.02	125.80	1,364.95	12.15	11.47	4.02	

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Site:	Donkey Kong 1 Fed Com	MD Reference:	RKB @ 3390.70usft (H&P 618)
Well:	602H	North Reference:	True
Wellbore:	ST01 / 66214	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 618)	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)
11,872.00	89.64	4.31	11,336.26	1,410.89	129.25	1,412.88	1.84	1.67	0.77
11,966.00	90.53	2.65	11,336.12	1,504.71	134.95	1,506.78	2.00	0.95	-1.77
12,060.00	90.58	1.63	11,335.21	1,598.64	138.46	1,600.76	1.09	0.05	-1.09
12,154.00	90.75	1.03	11,334.12	1,692.61	140.65	1,694.75	0.66	0.18	-0.64
12,249.00	88.78	0.18	11,334.51	1,787.60	141.65	1,789.74	2.26	-2.07	-0.89
12,343.00	89.05	0.38	11,336.29	1,881.58	142.11	1,883.72	0.36	0.29	0.21
12,437.00	90.08	0.59	11,337.00	1,975.57	142.90	1,977.71	1.12	1.10	0.22
12,532.00	88.99	0.42	11,337.78	2,070.56	143.74	2,072.70	1.16	-1.15	-0.18
12,626.00	88.74	0.60	11,339.64	2,164.54	144.58	2,166.68	0.33	-0.27	0.19
12,720.00	86.99	0.12	11,343.14	2,258.47	145.17	2,260.61	1.93	-1.86	-0.51
12,815.00	86.97	0.57	11,348.14	2,353.34	145.74	2,355.47	0.47	-0.02	0.47
12,909.00	87.33	1.07	11,352.82	2,447.21	147.08	2,449.35	0.65	0.38	0.53
13,003.00	87.00	0.53	11,357.47	2,541.09	148.39	2,543.23	0.67	-0.35	-0.57
13,098.00	88.47	1.41	11,361.22	2,636.00	150.00	2,638.16	1.80	1.55	0.93
13,192.00	88.53	1.41	11,363.68	2,729.93	152.31	2,732.12	0.06	0.06	0.00
13,286.00	87.93	1.39	11,366.59	2,823.86	154.61	2,826.07	0.64	-0.64	-0.02
13,380.00	88.54	2.02	11,369.48	2,917.77	157.40	2,920.02	0.93	0.65	0.67
13,474.00	89.39	2.16	11,371.18	3,011.70	160.83	3,013.99	0.92	0.90	0.15
13,568.00	90.25	1.66	11,371.47	3,105.64	163.97	3,107.97	1.06	0.91	-0.53
13,662.00	91.19	1.98	11,370.29	3,199.59	166.95	3,201.95	1.06	1.00	0.34
13,757.00	91.53	1.84	11,368.04	3,294.51	170.12	3,296.91	0.39	0.36	-0.15
13,851.00	91.64	1.59	11,365.44	3,388.43	172.93	3,390.87	0.29	0.12	-0.27
13,945.00	90.21	1.23	11,363.92	3,482.38	175.24	3,484.85	1.57	-1.52	-0.38
14,040.00	89.65	0.93	11,364.04	3,577.37	177.03	3,579.85	0.67	-0.59	-0.32
14,134.00	89.59	1.01	11,364.66	3,671.35	178.62	3,673.85	0.11	-0.06	0.09
14,228.00	89.07	0.68	11,365.76	3,765.33	180.01	3,767.84	0.66	-0.55	-0.35
14,323.00	88.68	0.38	11,367.63	3,860.31	180.89	3,862.82	0.52	-0.41	-0.32
14,417.00	88.14	359.45	11,370.23	3,954.27	180.75	3,956.77	1.14	-0.57	-0.99
14,512.00	87.42	358.32	11,373.91	4,049.18	178.90	4,051.63	1.41	-0.76	-1.19
14,606.00	87.79	357.84	11,377.84	4,143.05	175.75	4,145.43	0.64	0.39	-0.51
14,700.00	88.08	357.85	11,381.23	4,236.92	172.22	4,239.23	0.31	0.31	0.01
14,794.00	88.02	357.95	11,384.43	4,330.80	168.78	4,333.04	0.12	-0.06	0.11
14,889.00	90.07	358.77	11,386.01	4,425.74	166.06	4,427.92	2.32	2.16	0.86
14,983.00	90.50	358.73	11,385.54	4,519.72	164.01	4,521.85	0.46	0.46	-0.04
15,077.00	91.76	358.60	11,383.69	4,613.67	161.82	4,615.75	1.35	1.34	-0.14
15,171.00	91.72	358.43	11,380.84	4,707.60	159.39	4,709.62	0.19	-0.04	-0.18
15,266.00	91.56	358.54	11,378.12	4,802.53	156.88	4,804.50	0.20	-0.17	0.12
15,360.00	91.44	359.25	11,375.66	4,896.48	155.06	4,898.40	0.77	-0.13	0.76
15,455.00	92.09	359.70	11,372.73	4,991.43	154.19	4,993.32	0.83	0.68	0.47
15,549.00	92.43	359.57	11,369.02	5,085.35	153.60	5,087.22	0.39	0.36	-0.14
15,643.00	92.38	359.15	11,365.08	5,179.26	152.55	5,181.10	0.45	-0.05	-0.45
15,738.00	92.47	359.01	11,361.06	5,274.17	151.02	5,275.97	0.18	0.09	-0.15
15,832.00	92.46	358.60	11,357.02	5,368.06	149.06	5,369.81	0.44	-0.01	-0.44
15,926.00	91.98	358.90	11,353.37	5,461.97	147.01	5,463.67	0.60	-0.51	0.32

Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 602H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3390.70usft (H&P 618)
Site:	Donkey Kong 1 Fed Com	MD Reference:	RKB @ 3390.70usft (H&P 618)
Well:	602H	North Reference:	True
Wellbore:	ST01 / 66214	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 618)	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)
16,020.00	91.55	358.54	11,350.48	5,555.90	144.92	5,557.55	0.60	-0.46	-0.38
16,115.00	91.26	357.59	11,348.15	5,650.81	141.71	5,652.40	1.05	-0.31	-1.00
16,209.00	91.38	357.47	11,345.98	5,744.70	137.66	5,746.21	0.18	0.13	-0.13
16,304.00	91.44	358.38	11,343.65	5,839.61	134.22	5,841.04	0.96	0.06	0.96
16,398.00	91.29	358.01	11,341.41	5,933.54	131.26	5,934.91	0.42	-0.16	-0.39
16,492.00	91.30	359.13	11,339.28	6,027.48	128.92	6,028.80	1.19	0.01	1.19
16,587.00	92.44	0.09	11,336.18	6,122.43	128.27	6,123.72	1.57	1.20	1.01
16,681.00	92.98	0.35	11,331.74	6,216.32	128.63	6,217.61	0.64	0.57	0.28
16,776.00	92.26	1.31	11,327.40	6,311.21	130.00	6,312.50	1.26	-0.76	1.01
16,870.00	91.36	0.48	11,324.43	6,405.15	131.47	6,406.46	1.30	-0.96	-0.88
16,964.00	91.02	0.04	11,322.47	6,499.13	131.90	6,500.43	0.59	-0.36	-0.47
17,059.00	90.67	359.60	11,321.07	6,594.11	131.60	6,595.40	0.59	-0.37	-0.46
17,153.00	90.82	359.64	11,319.85	6,688.10	130.98	6,689.36	0.17	0.16	0.04
17,248.00	90.24	359.16	11,318.97	6,783.09	129.98	6,784.32	0.79	-0.61	-0.51
17,342.00	89.85	358.52	11,318.90	6,877.07	128.08	6,878.26	0.80	-0.41	-0.68
17,437.00	90.04	358.95	11,318.99	6,972.05	125.98	6,973.18	0.49	0.20	0.45
17,531.00	90.81	0.73	11,318.29	7,066.04	125.72	7,067.16	2.06	0.82	1.89
17,625.00	92.41	1.73	11,315.65	7,159.98	127.74	7,161.12	2.01	1.70	1.06
17,720.00	91.50	1.08	11,312.41	7,254.90	130.06	7,256.06	1.18	-0.96	-0.68
17,814.00	91.38	0.88	11,310.05	7,348.85	131.67	7,350.03	0.25	-0.13	-0.21
17,908.00	91.26	0.48	11,307.88	7,442.82	132.79	7,444.00	0.44	-0.13	-0.43
18,002.00	92.60	0.45	11,304.72	7,536.76	133.55	7,537.94	1.43	1.43	-0.03
18,097.00	92.57	0.46	11,300.43	7,631.66	134.30	7,632.84	0.03	-0.03	0.01
18,191.00	91.72	359.87	11,296.91	7,725.59	134.57	7,726.77	1.10	-0.90	-0.63
18,286.00	91.86	359.52	11,293.95	7,820.55	134.07	7,821.70	0.40	0.15	-0.37
18,380.00	91.84	359.14	11,290.91	7,914.49	132.97	7,915.61	0.40	-0.02	-0.40
18,474.00	91.87	358.51	11,287.87	8,008.42	131.04	8,009.49	0.67	0.03	-0.67
18,569.00	91.16	358.60	11,285.36	8,103.36	128.65	8,104.37	0.75	-0.75	0.09
18,663.00	89.35	359.68	11,284.94	8,197.34	127.24	8,198.32	2.24	-1.93	1.15
18,757.00	89.82	359.93	11,285.62	8,291.34	126.92	8,292.30	0.57	0.50	0.27
18,852.00	90.89	0.03	11,285.03	8,386.33	126.88	8,387.28	1.13	1.13	0.11
18,928.00	91.26	0.04	11,283.60	8,462.32	126.93	8,463.26	0.49	0.49	0.01
Final Phoenix MWD Survey - ST01									
18,995.00	91.26	0.04	11,282.13	8,529.30	126.98	8,530.23	0.00	0.00	0.00
Projection to TD - ST01									

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Well:	602H	North Reference:	True
Wellbore:	ST01 / 66214	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 618)	Database:	USA Compass

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11,661.00	11,320.55	1,200.89	119.72	Tie In
11,690.00	11,323.13	1,229.77	120.43	First Phoenix MWD Survey - ST01
18,928.00	11,283.60	8,462.32	126.93	Final Phoenix MWD Survey - ST01
18,995.00	11,282.13	8,529.30	126.98	Projection to TD - ST01