

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

<sup>1</sup> API Number 30-025-46345		<sup>2</sup> Pool Code 2205		<sup>3</sup> Pool Name Antelope Ridge; Bone Spring, North	
<sup>4</sup> Property Code 321644		<sup>5</sup> Property Name DUCK HUNT 1 STATE COM		<sup>6</sup> Well Number 401H	
<sup>7</sup> GRID No. 372165		<sup>8</sup> Operator Name CENTENNIAL RESOURCE PRODUCTION, LLC		<sup>9</sup> Elevation 3367.8'	

<sup>10</sup> Surface Location

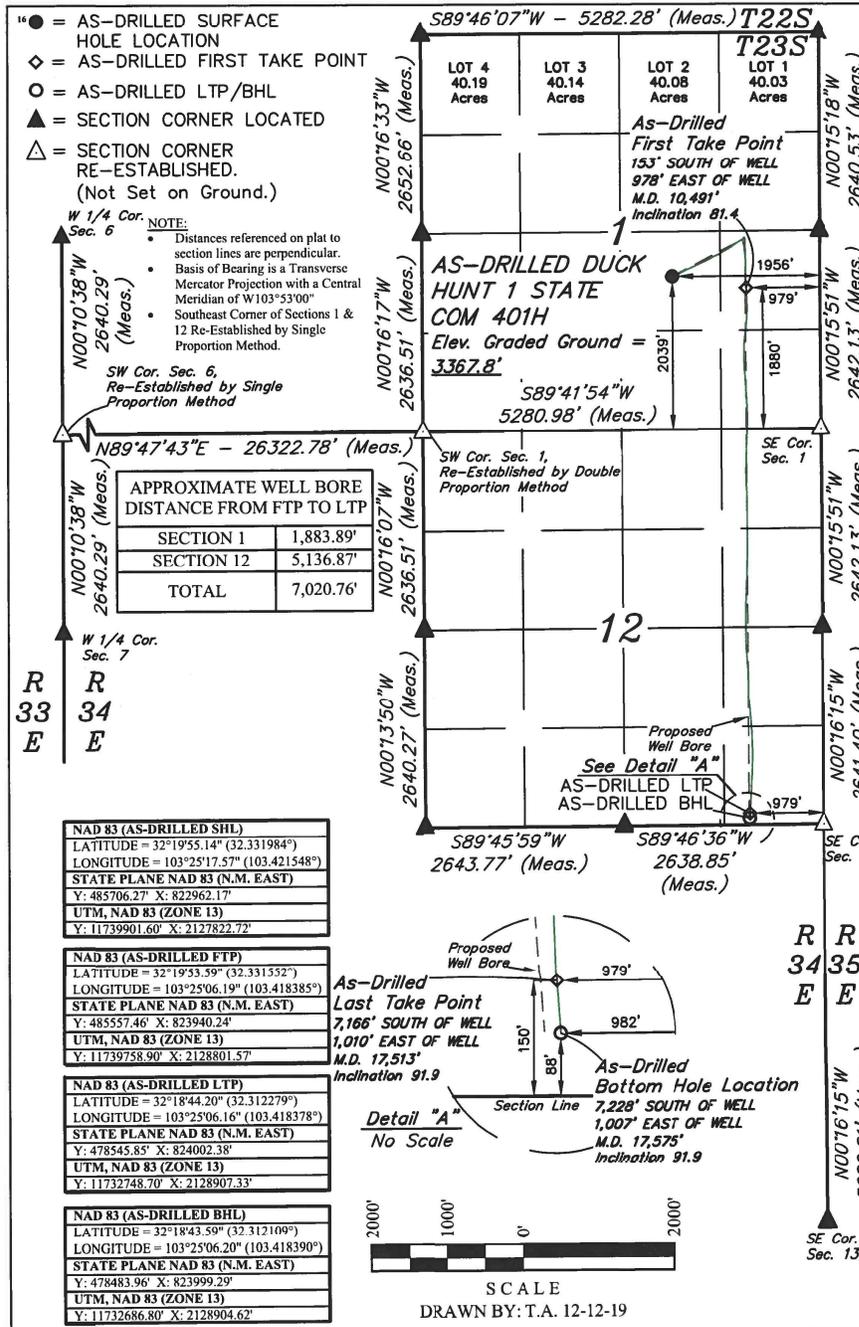
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	1	23S	34E		2039	SOUTH	1956	EAST	LEA

<sup>11</sup> 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
P	12	23S	34E		88	SOUTH	982	EAST	LEA

<sup>12</sup> Dedicated Acres 240	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



**17 OPERATOR CERTIFICATION**  
 I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: *Sarah Ferreyros* Date: 1/27/20  
 Printed Name: Sarah ferreyros  
 E-mail Address: @cdevinc.com

**18 SURVEYOR CERTIFICATION**  
 I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

September 26, 2019  
 Date of Survey  
 Signature and Seal of Professional Surveyor:

**PAUL BUCHELE**  
 NEW MEXICO  
 23782  
 PROFESSIONAL SURVEYOR  
 12-12-19

Certificate Number:

Intent  As Drilled

API #  
**30-025-46345**

Operator Name: Centennial Resource Production, LLC	Property Name: Duck Hunt 1 State Com	Well Number 401H
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Kick Off Point (KOP)

UL I	Section 1	Township 23S	Range 34E	Lot I	Feet 1880	From N/S S	Feet 979	From E/W E	County Lea
Latitude 32.331552					Longitude -103.418385			NAD 83	

First Take Point (FTP)

UL I	Section 1	Township 23S	Range 34E	Lot I	Feet 1880	From N/S S	Feet 979	From E/W E	County Lea
Latitude 32.331552					Longitude -103.418385			NAD 83	

Last Take Point (LTP)

UL P	Section 12	Township 23S	Range 34E	Lot P	Feet 150	From N/S S	Feet 979	From E/W E	County Lea
Latitude 32.312279					Longitude -103.418378			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit?  No

Is this well an infill well?  Yes

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

API #  
**30-025-46344**

Operator Name: Centennial Resource Prod, LLC	Property Name: Duck Hunt 1 State Com	Well Number 302H
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KZ 06/29/2018

**Centennial Resources  
Development, Inc.**

Lea County, NM (NAD83 - UTM Zone 13)  
Duck Hunt 1 State Com  
401H

OH / 65516

Survey: Phoenix MWD Surveys

**Standard Survey Report**

28 October, 2019

Survey Report

<b>Company:</b>	Centennial Resources Development, Inc.	<b>Local Co-ordinate Reference:</b>	Well 401H
<b>Project:</b>	Lea County, NM (NAD83 - UTM Zone 13)	<b>TVD Reference:</b>	RKB @ 3392.50usft (H&P 618)
<b>Site:</b>	Duck Hunt 1 State Com	<b>MD Reference:</b>	RKB @ 3392.50usft (H&P 618)
<b>Well:</b>	401H	<b>North Reference:</b>	True
<b>Wellbore:</b>	OH / 65516	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Surveys (H&P 618)	<b>Database:</b>	USA Compass

<b>Project</b>	Lea County, NM (NAD83 - UTM Zone 13)		
<b>Map System:</b>	Universal Transverse Mercator (US Survey Fee	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Zone 13N (108 W to 102 W)		Using geodetic scale factor

<b>Site</b>	Duck Hunt 1 State Com				
<b>Site Position:</b>		<b>Northing:</b>	11,740,221.78 usft	<b>Latitude:</b>	32.332815
<b>From:</b>	Map	<b>Easting:</b>	2,129,032.10 usft	<b>Longitude:</b>	-103.417617
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b>	0.85 °

<b>Well</b>	401H					
<b>Well Position</b>	<b>+N/-S</b>	0.00 usft	<b>Northing:</b>	11,739,902.52 usft	<b>Latitude:</b>	32.331986
	<b>+E/-W</b>	0.00 usft	<b>Easting:</b>	2,127,823.23 usft	<b>Longitude:</b>	-103.421546
<b>Position Uncertainty</b>		1.00 usft	<b>Wellhead Elevation:</b>	usft	<b>Ground Level:</b>	3,367.50 usft

<b>Wellbore</b>	OH / 65516				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	User Defined	10/15/2019	6.63	60.03	47,867.00000000

<b>Design</b>	Surveys (H&P 618)				
<b>Audit Notes:</b>		<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.00
<b>Version:</b>	1.0				
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	172.37	

<b>Survey Program</b>	<b>Date</b>	10/28/2019			
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
25.00	1,821.00	Wildfire MWD Surveys (OH / 65516)	MWD	OWSG MWD - Standard	
1,921.00	17,575.00	Phoenix MWD Surveys (OH / 65516)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction	

<b>Survey</b>										
<b>Measured Depth (usft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Vertical Section (usft)</b>	<b>Dogleg Rate (°/100usft)</b>	<b>Build Rate (°/100usft)</b>	<b>Turn Rate (°/100usft)</b>	
1,821.00	1.30	221.70	1,820.76	-4.14	-19.57	1.50	0.00	0.00	0.00	
<b>Tie In</b>										
1,907.00	0.91	231.36	1,906.74	-5.29	-20.75	2.49	0.50	-0.45	11.23	
<b>First Phoenix MWD Survey</b>										
2,002.00	0.87	230.38	2,001.73	-6.22	-21.89	3.26	0.05	-0.04	-1.03	
2,097.00	0.96	237.82	2,096.72	-7.11	-23.12	3.97	0.16	0.09	7.83	
2,191.00	0.97	108.89	2,190.71	-7.78	-23.04	4.66	1.85	0.01	-137.16	
2,285.00	2.76	77.11	2,284.66	-7.54	-20.08	4.80	2.13	1.90	-33.81	
2,379.00	4.27	71.59	2,378.48	-5.93	-14.55	3.94	1.64	1.61	-5.87	

## Survey Report

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<b>Well:</b>	401H	<b>North Reference:</b>	True
<b>Wellbore:</b>	OH / 65516	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Surveys (H&P 618)	<b>Database:</b>	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)	
2,474.00	5.34	67.21	2,473.15	-3.10	-7.12	2.12	1.19	1.13	-4.61	
2,568.00	6.31	68.75	2,566.66	0.47	1.73	-0.24	1.05	1.03	1.64	
2,663.00	7.47	69.29	2,660.97	4.55	12.37	-2.86	1.22	1.22	0.57	
2,757.00	8.63	66.12	2,754.05	9.56	24.54	-6.22	1.32	1.23	-3.37	
2,851.00	9.41	64.00	2,846.88	15.79	37.89	-10.62	0.90	0.83	-2.26	
2,946.00	9.85	64.21	2,940.54	22.73	52.19	-15.60	0.46	0.46	0.22	
3,040.00	10.08	63.24	3,033.13	29.93	66.77	-20.80	0.30	0.24	-1.03	
3,134.00	11.13	64.29	3,125.52	37.57	82.29	-26.31	1.14	1.12	1.12	
3,228.00	12.99	62.79	3,217.44	46.34	99.86	-32.67	2.01	1.98	-1.60	
3,323.00	14.46	62.23	3,309.73	56.74	119.86	-40.33	1.55	1.55	-0.59	
3,417.00	15.09	62.74	3,400.62	67.82	141.12	-48.48	0.68	0.67	0.54	
3,512.00	15.56	63.40	3,492.24	79.19	163.50	-56.78	0.53	0.49	0.69	
3,606.00	14.93	64.38	3,582.93	90.07	185.70	-64.61	0.72	-0.67	1.04	
3,700.00	15.27	64.63	3,673.69	100.61	207.80	-72.13	0.37	0.36	0.27	
3,795.00	15.38	64.68	3,765.31	111.35	230.49	-79.77	0.12	0.12	0.05	
3,889.00	13.44	66.08	3,856.35	121.12	251.75	-86.62	2.10	-2.06	1.49	
3,983.00	12.48	65.44	3,947.95	129.77	270.97	-92.64	1.03	-1.02	-0.68	
4,078.00	11.56	66.67	4,040.87	137.80	289.05	-98.21	1.01	-0.97	1.29	
4,172.00	10.78	66.40	4,133.09	145.05	305.75	-103.17	0.83	-0.83	-0.29	
4,267.00	11.17	63.63	4,226.35	152.70	322.14	-108.57	0.69	0.41	-2.92	
4,361.00	11.52	64.20	4,318.51	160.83	338.74	-114.43	0.39	0.37	0.61	
4,456.00	12.33	64.54	4,411.46	169.32	356.44	-120.49	0.86	0.85	0.36	
4,550.00	11.96	63.86	4,503.36	177.92	374.25	-126.65	0.42	-0.39	-0.72	
4,645.00	14.27	62.54	4,595.87	187.66	393.48	-133.75	2.45	2.43	-1.39	
4,739.00	14.32	64.02	4,686.96	198.09	414.21	-141.34	0.39	0.05	1.57	
4,833.00	14.21	64.25	4,778.06	208.20	435.05	-148.59	0.13	-0.12	0.24	
4,928.00	13.99	64.06	4,870.20	218.29	455.88	-155.82	0.24	-0.23	-0.20	
5,022.00	13.86	63.81	4,961.44	228.23	476.20	-162.98	0.15	-0.14	-0.27	
5,117.00	13.41	63.94	5,053.76	238.09	496.31	-170.08	0.47	-0.47	0.14	
5,211.00	14.24	63.65	5,145.04	248.01	516.46	-177.24	0.89	0.88	-0.31	
5,305.00	15.39	63.11	5,235.91	258.78	537.94	-185.06	1.23	1.22	-0.57	
5,390.00	15.21	64.24	5,317.90	268.73	558.04	-192.25	0.41	-0.21	1.33	
5,481.00	15.15	64.26	5,405.72	279.08	579.51	-199.66	0.07	-0.07	0.02	
5,576.00	15.48	64.89	5,497.35	289.85	602.17	-207.33	0.39	0.35	0.66	
5,670.00	15.77	64.89	5,587.88	300.60	625.09	-214.94	0.31	0.31	0.00	
5,765.00	15.77	59.70	5,679.31	312.59	647.93	-223.79	1.48	0.00	-5.46	
5,859.00	15.21	59.02	5,769.89	325.38	669.53	-233.60	0.63	-0.60	-0.72	
5,953.00	14.65	59.09	5,860.72	337.83	690.30	-243.19	0.60	-0.60	0.07	
6,048.00	13.95	58.96	5,952.77	349.91	710.42	-252.48	0.74	-0.74	-0.14	
6,142.00	14.05	58.81	6,043.98	361.66	729.89	-261.55	0.11	0.11	-0.16	
6,236.00	13.58	58.89	6,135.26	373.27	749.10	-270.50	0.50	-0.50	0.09	
6,330.00	13.46	58.79	6,226.66	384.64	767.90	-279.28	0.13	-0.13	-0.11	
6,425.00	13.62	57.23	6,319.02	396.43	786.77	-288.45	0.42	0.17	-1.64	

Survey Report

<b>Company:</b>	Centennial Resources Development, Inc.	<b>Local Co-ordinate Reference:</b>	Well 401H
<b>Project:</b>	Lea County, NM (NAD83 - UTM Zone 13)	<b>TVD Reference:</b>	RKB @ 3392.50usft (H&P 618)
<b>Site:</b>	Duck Hunt 1 State Com	<b>MD Reference:</b>	RKB @ 3392.50usft (H&P 618)
<b>Well:</b>	401H	<b>North Reference:</b>	True
<b>Wellbore:</b>	OH / 65516	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Surveys (H&P 618)	<b>Database:</b>	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)	
6,519.00	12.05	54.51	6,410.67	408.11	804.06	-297.74	1.79	-1.67	-2.89	
6,614.00	11.94	54.56	6,503.59	419.57	820.14	-306.96	0.12	-0.12	0.05	
6,708.00	11.73	53.61	6,595.59	430.88	835.76	-316.09	0.30	-0.22	-1.01	
6,802.00	11.48	52.92	6,687.67	442.18	850.91	-325.29	0.30	-0.27	-0.73	
6,897.00	10.69	54.79	6,780.90	452.96	865.65	-334.02	0.91	-0.83	1.97	
6,991.00	9.78	58.79	6,873.40	462.13	879.61	-341.25	1.23	-0.97	4.26	
7,086.00	9.27	59.43	6,967.09	470.20	893.09	-347.46	0.55	-0.54	0.67	
7,180.00	8.88	58.85	7,059.92	477.80	905.82	-353.30	0.43	-0.41	-0.62	
7,274.00	7.04	60.25	7,153.01	484.42	917.03	-358.37	1.97	-1.96	1.49	
7,369.00	5.73	70.17	7,247.42	488.91	926.55	-361.56	1.80	-1.38	10.44	
7,463.00	5.51	69.89	7,340.97	492.06	935.20	-363.53	0.24	-0.23	-0.30	
7,557.00	3.71	67.81	7,434.66	494.76	942.26	-365.27	1.92	-1.91	-2.21	
7,652.00	2.95	66.56	7,529.50	496.89	947.34	-366.71	0.80	-0.80	-1.32	
7,746.00	2.57	66.55	7,623.39	498.69	951.50	-367.94	0.40	-0.40	-0.01	
7,841.00	2.16	46.66	7,718.31	500.77	954.75	-369.57	0.96	-0.43	-20.94	
7,935.00	2.00	34.18	7,812.25	503.34	956.96	-371.82	0.51	-0.17	-13.28	
8,029.00	1.92	19.24	7,906.19	506.19	958.40	-374.45	0.55	-0.09	-15.89	
8,123.00	1.83	3.65	8,000.14	509.17	959.02	-377.33	0.55	-0.10	-16.59	
8,218.00	2.06	359.29	8,095.09	512.39	959.09	-380.51	0.29	0.24	-4.59	
8,312.00	0.75	319.36	8,189.06	514.55	958.67	-382.70	1.66	-1.39	-42.48	
8,406.00	0.94	289.24	8,283.05	515.27	957.54	-383.57	0.51	0.20	-32.04	
8,500.00	1.06	282.44	8,377.04	515.71	955.97	-384.22	0.18	0.13	-7.23	
8,594.00	1.25	294.36	8,471.02	516.32	954.18	-385.06	0.32	0.20	12.68	
8,689.00	1.08	291.67	8,566.00	517.08	952.41	-386.04	0.19	-0.18	-2.83	
8,783.00	0.78	288.19	8,659.98	517.60	950.98	-386.76	0.32	-0.32	-3.70	
8,877.00	0.85	164.07	8,753.98	517.13	950.56	-386.34	1.53	0.07	-132.04	
8,971.00	0.52	223.24	8,847.97	516.15	950.46	-385.39	0.78	-0.35	62.95	
9,065.00	0.69	191.46	8,941.97	515.29	950.05	-384.58	0.39	0.18	-33.81	
9,160.00	1.22	194.12	9,036.96	513.75	949.69	-383.10	0.56	0.56	2.80	
9,254.00	1.93	192.61	9,130.92	511.23	949.10	-380.69	0.76	0.76	-1.61	
9,348.00	2.63	212.31	9,224.85	507.86	947.61	-377.55	1.11	0.74	20.96	
9,443.00	4.08	235.05	9,319.68	504.08	943.67	-374.33	2.04	1.53	23.94	
9,476.00	4.54	240.75	9,352.59	502.77	941.57	-373.31	1.90	1.39	17.27	
9,523.00	4.78	222.42	9,399.44	500.42	938.62	-371.36	3.20	0.51	-39.00	
9,570.00	9.09	188.78	9,446.10	495.30	936.74	-366.54	12.24	9.17	-71.57	
9,617.00	17.18	177.13	9,491.84	484.68	936.52	-356.04	18.03	17.21	-24.79	
9,665.00	19.96	173.59	9,537.34	469.45	937.79	-340.78	6.25	5.79	-7.38	
9,712.00	24.59	167.70	9,580.82	451.92	940.77	-323.00	10.93	9.85	-12.53	
9,759.00	27.49	168.56	9,623.05	431.73	945.00	-302.43	6.22	6.17	1.83	
9,806.00	33.09	170.41	9,663.62	408.42	949.29	-278.76	12.08	11.91	3.94	
9,854.00	36.67	172.33	9,702.99	381.29	953.39	-251.33	7.80	7.46	4.00	
9,901.00	40.63	175.08	9,739.69	352.12	956.58	-221.99	9.18	8.43	5.85	
9,948.00	44.05	175.09	9,774.43	320.59	959.29	-190.38	7.28	7.28	0.02	
9,995.00	47.49	174.62	9,807.21	287.05	962.31	-156.74	7.35	7.32	-1.00	

Survey Report

<b>Company:</b>	Centennial Resources Development, Inc.	<b>Local Co-ordinate Reference:</b>	Well 401H
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<b>Design:</b>	Surveys (H&P 618)	<b>Database:</b>	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)
10,043.00	50.07	175.37	9,838.83	251.09	965.46	-120.67	5.50	5.38	1.56
10,090.00	52.28	176.85	9,868.30	214.56	967.94	-84.14	5.30	4.70	3.15
10,137.00	55.75	178.51	9,895.91	176.57	969.46	-46.28	7.92	7.38	3.53
10,184.00	61.19	180.19	9,920.48	136.52	969.90	-6.54	11.97	11.57	3.57
10,231.00	66.55	180.14	9,941.17	94.34	969.78	35.26	11.40	11.40	-0.11
10,278.00	72.09	178.62	9,957.77	50.39	970.27	78.88	12.17	11.79	-3.23
10,326.00	75.41	179.22	9,971.20	4.32	971.13	124.66	7.02	6.92	1.25
10,373.00	77.41	178.08	9,982.24	-41.34	972.21	170.06	4.86	4.26	-2.43
10,420.00	77.43	177.56	9,992.48	-87.18	973.95	215.73	1.08	0.04	-1.11
10,467.00	78.46	177.46	10,002.29	-133.10	975.95	261.50	2.20	2.19	-0.21
10,515.00	84.37	178.15	10,009.45	-180.51	977.77	308.73	12.39	12.31	1.44
10,610.00	90.44	177.80	10,013.75	-275.31	981.12	403.14	6.40	6.39	-0.37
10,667.00	90.70	177.32	10,013.19	-332.25	983.55	459.90	0.96	0.46	-0.84
10,762.00	90.86	180.50	10,011.89	-427.21	985.35	554.26	3.35	0.17	3.35
10,856.00	89.71	182.33	10,011.43	-521.18	983.03	647.09	2.30	-1.22	1.95
10,951.00	90.42	185.94	10,011.32	-615.91	976.18	740.07	3.87	0.75	3.80
11,045.00	90.86	187.28	10,010.27	-709.28	965.36	831.18	1.50	0.47	1.43
11,139.00	90.87	186.78	10,008.85	-802.56	953.86	922.11	0.53	0.01	-0.53
11,234.00	92.24	184.30	10,006.27	-897.08	944.69	1,014.56	2.98	1.44	-2.61
11,328.00	91.70	181.24	10,003.04	-990.90	940.15	1,106.95	3.30	-0.57	-3.25
11,422.00	90.25	178.43	10,001.44	-1,084.87	940.42	1,200.13	3.36	-1.54	-2.99
11,517.00	89.42	176.87	10,001.71	-1,179.79	944.32	1,294.73	1.86	-0.87	-1.64
11,611.00	89.04	177.01	10,002.98	-1,273.65	949.34	1,388.42	0.43	-0.40	0.15
11,706.00	89.14	176.74	10,004.48	-1,368.49	954.51	1,483.11	0.30	0.11	-0.28
11,800.00	88.48	175.67	10,006.44	-1,462.26	960.73	1,576.88	1.34	-0.70	-1.14
11,895.00	88.41	175.74	10,009.01	-1,556.96	967.85	1,671.68	0.10	-0.07	0.07
11,989.00	88.61	176.89	10,011.46	-1,650.73	973.89	1,765.43	1.24	0.21	1.22
12,083.00	88.53	178.14	10,013.80	-1,744.62	977.96	1,859.02	1.33	-0.09	1.33
12,178.00	90.27	179.80	10,014.80	-1,839.59	979.67	1,953.38	2.53	1.83	1.75
12,272.00	89.95	180.65	10,014.62	-1,933.59	979.30	2,046.49	0.97	-0.34	0.90
12,367.00	90.86	181.67	10,013.95	-2,028.56	977.38	2,140.37	1.44	0.96	1.07
12,461.00	92.72	182.71	10,011.01	-2,122.44	973.79	2,232.94	2.27	1.98	1.11
12,555.00	92.38	182.41	10,006.83	-2,216.25	969.59	2,325.37	0.48	-0.36	-0.32
12,650.00	92.47	182.26	10,002.81	-2,311.09	965.72	2,418.85	0.18	0.09	-0.16
12,744.00	92.41	181.81	9,998.81	-2,404.95	962.39	2,511.43	0.48	-0.06	-0.48
12,839.00	92.27	181.19	9,994.93	-2,499.83	959.90	2,605.15	0.67	-0.15	-0.65
12,934.00	92.24	180.38	9,991.19	-2,594.75	958.60	2,699.06	0.85	-0.03	-0.85
13,028.00	91.49	179.22	9,988.13	-2,688.70	958.93	2,792.22	1.47	-0.80	-1.23
13,122.00	89.85	177.69	9,987.03	-2,782.65	961.47	2,885.67	2.39	-1.74	-1.63
13,217.00	89.25	177.63	9,987.78	-2,877.57	965.35	2,980.27	0.63	-0.63	-0.06
13,311.00	89.36	178.78	9,988.92	-2,971.51	968.29	3,073.77	1.23	0.12	1.22
13,405.00	88.98	180.10	9,990.28	-3,065.50	969.21	3,167.04	1.46	-0.40	1.40
13,498.00	89.65	180.86	9,991.39	-3,158.49	968.43	3,259.11	1.09	0.72	0.82

Survey Report

<b>Company:</b>	Centennial Resources Development, Inc.	<b>Local Co-ordinate Reference:</b>	Well 401H
<b>Project:</b>	Lea County, NM (NAD83 - UTM Zone 13)	<b>TVD Reference:</b>	RKB @ 3392.50usft (H&P 618)
<b>Site:</b>	Duck Hunt 1 State Com	<b>MD Reference:</b>	RKB @ 3392.50usft (H&P 618)
<b>Well:</b>	401H	<b>North Reference:</b>	True
<b>Wellbore:</b>	OH / 65516	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Surveys (H&P 618)	<b>Database:</b>	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)
13,592.00	89.96	180.62	9,991.71	-3,252.48	967.22	3,352.10	0.42	0.33	-0.26
13,686.00	88.34	179.80	9,993.11	-3,346.46	966.87	3,445.21	1.93	-1.72	-0.87
13,780.00	88.70	180.22	9,995.53	-3,440.43	966.85	3,538.34	0.59	0.38	0.45
13,875.00	89.61	180.47	9,996.94	-3,535.42	966.28	3,632.41	0.99	0.96	0.26
13,969.00	89.21	180.80	9,997.90	-3,629.41	965.24	3,725.43	0.55	-0.43	0.35
14,063.00	88.79	180.50	9,999.54	-3,723.39	964.17	3,818.44	0.55	-0.45	-0.32
14,158.00	89.41	181.27	10,001.04	-3,818.36	962.71	3,912.38	1.04	0.65	0.81
14,252.00	88.94	181.92	10,002.39	-3,912.32	960.09	4,005.15	0.85	-0.50	0.69
14,346.00	88.99	182.38	10,004.09	-4,006.23	956.56	4,097.77	0.49	0.05	0.49
14,440.00	89.11	182.52	10,005.65	-4,100.13	952.55	4,190.31	0.20	0.13	0.15
14,535.00	89.11	181.96	10,007.12	-4,195.05	948.83	4,283.89	0.59	0.00	-0.59
14,629.00	89.02	181.87	10,008.66	-4,288.99	945.69	4,376.58	0.14	-0.10	-0.10
14,723.00	89.56	181.55	10,009.82	-4,382.94	942.89	4,469.32	0.67	0.57	-0.34
14,817.00	90.07	180.65	10,010.12	-4,476.92	941.08	4,562.23	1.10	0.54	-0.96
14,912.00	89.62	179.24	10,010.38	-4,571.91	941.18	4,656.40	1.56	-0.47	-1.43
15,006.00	88.90	179.65	10,011.59	-4,665.90	942.09	4,749.68	0.88	-0.77	0.44
15,100.00	89.92	180.63	10,012.56	-4,759.89	941.86	4,842.80	1.50	1.09	1.04
15,194.00	90.07	179.07	10,012.57	-4,853.89	942.10	4,936.00	1.67	0.16	-1.65
15,288.00	89.93	177.76	10,012.57	-4,947.85	944.70	5,029.48	1.40	-0.15	-1.39
15,382.00	89.47	176.85	10,013.06	-5,041.75	949.12	5,123.13	1.08	-0.49	-0.97
15,476.00	89.59	175.80	10,013.83	-5,135.55	955.15	5,216.90	1.12	0.13	-1.12
15,570.00	89.58	176.19	10,014.51	-5,229.32	961.71	5,310.71	0.42	-0.01	0.41
15,665.00	87.53	177.67	10,016.91	-5,324.14	966.80	5,405.37	2.66	-2.16	1.55
15,759.00	90.95	181.03	10,018.16	-5,418.10	967.86	5,498.64	5.10	3.64	3.57
15,853.00	91.26	178.42	10,016.34	-5,512.07	968.31	5,591.84	2.80	0.33	-2.73
15,947.00	89.92	176.39	10,015.38	-5,605.96	972.57	5,685.46	2.59	-1.43	-2.13
16,042.00	87.90	174.28	10,017.16	-5,700.62	980.29	5,780.31	3.07	-2.13	-2.22
16,136.00	88.07	174.79	10,020.49	-5,794.14	989.24	5,874.18	0.57	0.18	0.54
16,230.00	87.43	175.42	10,024.18	-5,887.72	997.25	5,968.00	0.96	-0.68	0.67
16,324.00	88.53	177.58	10,027.49	-5,981.48	1,002.99	6,061.69	2.58	1.17	2.30
16,355.00	87.91	177.36	10,028.46	-6,012.43	1,004.36	6,092.56	2.12	-2.00	-0.71
16,418.00	88.45	177.22	10,030.46	-6,075.33	1,007.33	6,155.29	0.89	0.86	-0.22
16,481.00	88.13	177.17	10,032.34	-6,138.23	1,010.42	6,218.04	0.51	-0.51	-0.09
16,513.00	88.04	177.02	10,033.41	-6,170.17	1,012.04	6,249.91	0.55	-0.28	-0.47
16,517.00	87.88	177.32	10,033.55	-6,174.16	1,012.23	6,253.90	8.50	-4.00	7.50
16,549.00	88.42	177.43	10,034.58	-6,206.11	1,013.70	6,285.76	1.72	1.69	0.34
16,580.00	88.54	177.37	10,035.40	-6,237.07	1,015.10	6,316.63	0.43	0.39	-0.19
16,612.00	89.07	177.99	10,036.07	-6,269.04	1,016.40	6,348.48	2.55	1.66	1.94
16,643.00	89.39	177.97	10,036.49	-6,300.01	1,017.49	6,379.33	1.03	1.03	-0.06
16,674.00	90.16	179.45	10,036.61	-6,331.00	1,018.19	6,410.14	5.38	2.48	4.77
16,706.00	90.58	180.84	10,036.40	-6,363.00	1,018.11	6,441.85	4.54	1.31	4.34
16,737.00	91.09	181.21	10,035.95	-6,393.99	1,017.55	6,472.49	2.03	1.65	1.19
16,769.00	91.66	180.82	10,035.18	-6,425.98	1,016.99	6,504.12	2.16	1.78	-1.22

Survey Report

<b>Company:</b>	Centennial Resources Development, Inc.	<b>Local Co-ordinate Reference:</b>	Well 401H
<b>Project:</b>	Lea County, NM (NAD83 - UTM Zone 13)	<b>TVD Reference:</b>	RKB @ 3392.50usft (H&P 618)
<b>Site:</b>	Duck Hunt 1 State Com	<b>MD Reference:</b>	RKB @ 3392.50usft (H&P 618)
<b>Well:</b>	401H	<b>North Reference:</b>	True
<b>Wellbore:</b>	OH / 65516	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Surveys (H&P 618)	<b>Database:</b>	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)	
16,800.00	91.95	181.49	10,034.21	-6,456.96	1,016.36	6,534.74	2.35	0.94	2.16	
16,831.00	91.90	182.79	10,033.17	-6,487.92	1,015.21	6,565.27	4.19	-0.16	4.19	
16,863.00	92.16	182.74	10,032.03	-6,519.86	1,013.66	6,596.72	0.83	0.81	-0.16	
16,894.00	92.07	182.73	10,030.89	-6,550.80	1,012.19	6,627.20	0.29	-0.29	-0.03	
16,957.00	92.37	182.27	10,028.45	-6,613.70	1,009.44	6,689.17	0.87	0.48	-0.73	
16,989.00	92.89	182.02	10,026.98	-6,645.64	1,008.24	6,720.67	1.80	1.63	-0.78	
17,020.00	92.18	181.94	10,025.61	-6,676.59	1,007.17	6,751.21	2.30	-2.29	-0.26	
17,051.00	90.32	182.63	10,024.93	-6,707.56	1,005.94	6,781.73	6.40	-6.00	2.23	
17,083.00	89.16	183.32	10,025.08	-6,739.51	1,004.28	6,813.19	4.22	-3.63	2.16	
17,177.00	89.98	183.43	10,025.78	-6,833.35	998.74	6,905.45	0.88	0.87	0.12	
17,271.00	90.98	183.22	10,024.99	-6,927.18	993.29	6,997.74	1.09	1.06	-0.22	
17,366.00	91.96	183.24	10,022.56	-7,022.00	987.94	7,091.00	1.03	1.03	0.02	
17,459.00	91.13	183.46	10,020.05	-7,114.81	982.51	7,182.27	0.92	-0.89	0.24	
17,513.00	91.86	183.35	10,018.64	-7,168.70	979.30	7,235.25	1.37	1.35	-0.20	
<b>Final Phoenix MWD Survey</b>										
17,575.00	91.86	183.35	10,016.63	-7,230.56	975.68	7,296.08	0.00	0.00	0.00	
<b>Projection to TD</b>										

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
1,821.00	1,820.76	-4.14	-19.57	Tie In	
1,907.00	1,906.74	-5.29	-20.75	First Phoenix MWD Survey	
17,513.00	10,018.64	-7,168.70	979.30	Final Phoenix MWD Survey	
17,575.00	10,016.63	-7,230.56	975.68	Projection to TD	