

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 Street, Suite 1800 Denver, CO 80202		² OGRID Number 372165	
		³ Reason for Filing Code/ Effective Date RT 3/29/21	
⁴ API Number 30 - 0 25-45557	⁵ Pool Name Antelope Ridge; Wolfcamp		⁶ Pool Code 96553 2220
⁷ Property Code 318027	⁸ Property Name Romeo Federal Com		⁹ Well Number 701H

II. 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
D	22	24S	34E		400	North	817	West	Lea

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	27	24S	34E		2537	North	819	West	Lea
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 3/29/21	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
159160	Versado Gas Processors, LLC	G
329971	Oryx Delaware Oil Gathering NM, LLC	O

IV. Well Completion Data

²¹ Spud Date 1/29/21	²² Ready Date 3/29/21	²³ TD 19,596MD/12,378TVD	²⁴ PBTD 19,560	²⁵ Perforations 12,760 - 19,555	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
12-1/4		9-5/8	1350		575
8-3/4 ,		7-5/8	11,610		810
6-3/4		5-1/2	19,596		1355
		Request tubing exception			

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: 			OIL CONSERVATION DIVISION		
Printed name: Kanicia Castillo			Approved by: PATRICIA MARTINEZ		
Title: Sr. Regulatory Analyst			Title: PETROLEUM SPECIALIST		
E-mail Address: kanicia.castillo@cdevinc.com			Approval Date: 5/12/2021		
Date: 3/31/21		Phone: 720-499-1537	RT EXPIRES: 6/29/2021		

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

Detail "A"
No Scale



Centennial Resources Development, Inc.

**Lea County, NM (NAD83 - UTM Zone 13)
Romeo Federal Com
701H**

OH / 67471

Survey: Phoenix MWD Surveys

Standard Survey Report

19 March, 2021





Survey Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 701H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3560.20usft (H&P 313)
Site:	Romeo Federal Com	MD Reference:	RKB @ 3560.20usft (H&P 313)
Well:	701H	North Reference:	True
Wellbore:	OH / 67471	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	Romeo Federal Com		
Site Position:		Northing:	11,695,049.42 usft
From:	Map	Easting:	2,115,429.74 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 12' 33.091838 N
		Longitude:	103° 27' 49.495142 W
		Grid Convergence:	0.82 °

Well	701H		
Well Position	+N/-S	0.00 usft	Northing:
	+E/-W	0.00 usft	Easting:
Position Uncertainty	1.00 usft		Wellhead Elevation:
			Latitude:
			Longitude:
			Ground Level:

Wellbore	OH / 67471		
Magnetics	Model Name	Sample Date	Declination (°)
	MVHD	4/8/2021	6.40
			Dip Angle (°)
			59.79
			Field Strength (nT)
			47,636.01521695

Design	Surveys (H&P 313)		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	1,335.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (°)
			180.00

Survey Program	Date	3/19/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
144.00	1,335.00	Integrity MWD Surveys (OH / Surface)	MWD	OWSG MWD - Standard
1,439.00	19,596.00	Phoenix MWD Surveys (OH / 67471)	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)
1,335.00	3.47	264.51	1,334.75	-12.90	-7.69	12.90	0.00	0.00	0.00
Tie In									
1,439.00	4.94	275.26	1,438.47	-12.79	-15.28	12.79	1.60	1.41	10.34
First Phoenix MWD Survey									
1,534.00	2.01	316.55	1,533.30	-11.20	-20.51	11.20	3.87	-3.08	43.46
1,629.00	3.69	30.27	1,628.20	-7.35	-20.11	7.35	3.87	1.77	77.60
1,713.00	4.90	38.88	1,711.96	-2.23	-16.50	2.23	1.63	1.44	10.25
1,808.00	4.61	40.62	1,806.64	3.83	-11.46	-3.83	0.34	-0.31	1.83
1,902.00	4.40	42.95	1,900.35	9.34	-6.55	-9.34	0.30	-0.22	2.48



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Wellbore:	OH / 67471	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)
1,996.00	5.04	42.71	1,994.03	15.01	-1.29	-15.01	0.68	0.68	-0.26
2,090.00	3.56	49.33	2,087.76	19.95	3.72	-19.95	1.66	-1.57	7.04
2,185.00	3.60	58.67	2,182.58	23.42	8.51	-23.42	0.61	0.04	9.83
2,280.00	1.59	22.22	2,277.48	26.19	11.56	-26.19	2.64	-2.12	-38.37
2,385.00	2.50	296.97	2,382.43	28.58	10.07	-28.58	2.71	0.87	-81.19
2,479.00	3.07	295.30	2,476.32	30.58	5.96	-30.58	0.61	0.61	-1.78
2,573.00	3.70	295.79	2,570.16	32.98	0.96	-32.98	0.67	0.67	0.52
2,668.00	4.12	298.25	2,664.93	35.93	-4.81	-35.93	0.48	0.44	2.59
2,763.00	3.88	295.23	2,759.70	38.91	-10.72	-38.91	0.34	-0.25	-3.18
2,857.00	4.08	323.22	2,853.48	42.95	-15.60	-42.95	2.06	0.21	29.78
2,952.00	4.94	8.48	2,948.22	49.70	-17.02	-49.70	3.74	0.91	47.64
3,046.00	5.92	41.88	3,041.82	57.32	-13.19	-57.32	3.46	1.04	35.53
3,140.00	7.83	88.23	3,135.21	61.13	-3.55	-61.13	6.04	2.03	49.31
3,235.00	6.38	108.14	3,229.49	59.68	7.94	-59.68	2.99	-1.53	20.96
3,329.00	2.57	122.66	3,323.19	56.92	14.68	-56.92	4.20	-4.05	15.45
3,424.00	1.22	197.37	3,418.14	54.80	16.17	-54.80	2.67	-1.42	78.64
3,518.00	1.00	219.95	3,512.13	53.22	15.35	-53.22	0.52	-0.23	24.02
3,613.00	1.04	201.36	3,607.11	51.78	14.50	-51.78	0.35	0.04	-19.57
3,707.00	1.28	219.09	3,701.09	50.17	13.53	-50.17	0.46	0.26	18.86
3,801.00	2.61	246.16	3,795.04	48.49	10.91	-48.49	1.68	1.41	28.80
3,895.00	3.04	254.89	3,888.92	46.98	6.54	-46.98	0.65	0.46	9.29
4,084.00	0.45	335.29	4,077.83	46.35	1.39	-46.35	1.59	-1.37	42.54
4,178.00	0.43	287.42	4,171.83	46.79	0.90	-46.79	0.38	-0.02	-50.93
4,273.00	0.94	275.54	4,266.82	46.97	-0.21	-46.97	0.55	0.54	-12.51
4,367.00	1.44	306.85	4,360.80	47.75	-1.93	-47.75	0.85	0.53	33.31
4,461.00	2.21	10.51	4,454.76	50.24	-2.54	-50.24	2.16	0.82	67.72
4,556.00	0.67	35.17	4,549.73	52.50	-1.89	-52.50	1.71	-1.62	25.96
4,650.00	1.64	99.92	4,643.71	52.71	-0.24	-52.71	1.58	1.03	68.88
4,745.00	1.94	123.79	4,738.67	51.59	2.43	-51.59	0.84	0.32	25.13
4,839.00	1.12	238.61	4,832.65	50.22	2.97	-50.22	2.78	-0.87	122.15
4,934.00	1.32	159.83	4,927.63	48.71	2.55	-48.71	1.64	0.21	-82.93
5,028.00	3.15	127.06	5,021.56	46.14	4.99	-46.14	2.30	1.95	-34.86
5,123.00	3.34	118.11	5,116.41	43.26	9.51	-43.26	0.57	0.20	-9.42
5,217.00	1.56	70.19	5,210.33	42.40	13.13	-42.40	2.73	-1.89	-50.98
5,312.00	1.09	21.80	5,305.30	43.68	14.68	-43.68	1.23	-0.49	-50.94
5,406.00	0.86	6.57	5,399.29	45.21	15.10	-45.21	0.37	-0.24	-16.20
5,501.00	0.96	317.25	5,494.28	46.51	14.64	-46.51	0.81	0.11	-51.92
5,595.00	0.74	326.02	5,588.27	47.59	13.76	-47.59	0.27	-0.23	9.33
5,689.00	0.83	297.02	5,682.26	48.40	12.82	-48.40	0.43	0.10	-30.85
5,783.00	0.73	301.49	5,776.25	49.02	11.70	-49.02	0.12	-0.11	4.76
5,877.00	1.03	288.87	5,870.24	49.61	10.39	-49.61	0.38	0.32	-13.43
5,972.00	1.06	294.04	5,965.23	50.24	8.78	-50.24	0.10	0.03	5.44
6,067.00	0.97	289.71	6,060.21	50.87	7.22	-50.87	0.12	-0.09	-4.56



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Wellbore:	OH / 67471	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)
6,161.00	1.18	290.12	6,154.19	51.47	5.56	-51.47	0.22	0.22	0.44
6,256.00	1.23	282.79	6,249.17	52.03	3.65	-52.03	0.17	0.05	-7.72
6,350.00	1.21	283.64	6,343.15	52.49	1.70	-52.49	0.03	-0.02	0.90
6,445.00	1.17	291.30	6,438.13	53.08	-0.18	-53.08	0.17	-0.04	8.06
6,539.00	1.26	292.99	6,532.11	53.83	-2.02	-53.83	0.10	0.10	1.80
6,634.00	1.51	283.98	6,627.08	54.54	-4.20	-54.54	0.35	0.26	-9.48
6,729.00	1.27	286.87	6,722.05	55.15	-6.42	-55.15	0.26	-0.25	3.04
6,823.00	1.50	289.09	6,816.03	55.86	-8.58	-55.86	0.25	0.24	2.36
6,918.00	1.67	292.04	6,910.99	56.78	-11.04	-56.78	0.20	0.18	3.11
7,013.00	1.40	288.75	7,005.96	57.67	-13.42	-57.67	0.30	-0.28	-3.46
7,107.00	1.52	291.31	7,099.93	58.50	-15.67	-58.50	0.15	0.13	2.72
7,202.00	1.31	292.30	7,194.90	59.37	-17.85	-59.37	0.22	-0.22	1.04
7,296.00	0.27	5.37	7,288.89	60.00	-18.82	-60.00	1.34	-1.11	77.73
7,391.00	0.46	354.18	7,383.89	60.60	-18.84	-60.60	0.21	0.20	-11.78
7,485.00	1.10	86.31	7,477.88	61.03	-17.98	-61.03	1.29	0.68	98.01
7,580.00	0.98	74.12	7,572.86	61.31	-16.28	-61.31	0.26	-0.13	-12.83
7,675.00	0.66	84.56	7,667.85	61.59	-14.96	-61.59	0.37	-0.34	10.99
7,769.00	0.68	122.89	7,761.85	61.33	-13.95	-61.33	0.47	0.02	40.78
7,864.00	0.53	149.96	7,856.84	60.65	-13.26	-60.65	0.34	-0.16	28.49
7,958.00	0.71	187.79	7,950.84	59.69	-13.12	-59.69	0.46	0.19	40.24
8,052.00	0.96	202.09	8,044.83	58.39	-13.49	-58.39	0.34	0.27	15.21
8,146.00	0.26	240.42	8,138.82	57.55	-13.98	-57.55	0.82	-0.74	40.78
8,241.00	0.45	238.40	8,233.82	57.25	-14.48	-57.25	0.20	0.20	-2.13
8,336.00	0.51	233.66	8,328.82	56.81	-15.14	-56.81	0.08	0.06	-4.99
8,430.00	0.79	235.81	8,422.81	56.19	-16.01	-56.19	0.30	0.30	2.29
8,525.00	0.95	230.06	8,517.80	55.32	-17.16	-55.32	0.19	0.17	-6.05
8,619.00	1.16	245.63	8,611.78	54.43	-18.62	-54.43	0.38	0.22	16.56
8,713.00	1.18	255.67	8,705.76	53.79	-20.43	-53.79	0.22	0.02	10.68
8,807.00	1.46	253.20	8,799.74	53.21	-22.51	-53.21	0.30	0.30	-2.63
8,901.00	1.39	253.93	8,893.71	52.55	-24.75	-52.55	0.08	-0.07	0.78
8,996.00	1.83	250.50	8,988.67	51.72	-27.29	-51.72	0.47	0.46	-3.61
9,090.00	1.97	258.58	9,082.62	50.90	-30.29	-50.90	0.32	0.15	8.60
9,184.00	1.83	271.59	9,176.57	50.62	-33.37	-50.62	0.48	-0.15	13.84
9,279.00	1.56	291.34	9,271.53	51.14	-36.09	-51.14	0.67	-0.28	20.79
9,372.00	1.49	294.63	9,364.50	52.10	-38.37	-52.10	0.12	-0.08	3.54
9,466.00	0.84	309.64	9,458.48	53.05	-40.01	-53.05	0.76	-0.69	15.97
9,560.00	1.47	314.31	9,552.46	54.33	-41.41	-54.33	0.68	0.67	4.97
9,655.00	1.80	348.69	9,647.42	56.64	-42.57	-56.64	1.07	0.35	36.19
9,749.00	1.67	16.46	9,741.38	59.41	-42.47	-59.41	0.90	-0.14	29.54
9,842.00	2.12	25.36	9,834.33	62.26	-41.35	-62.26	0.58	0.48	9.57
9,936.00	2.88	25.81	9,928.24	65.96	-39.58	-65.96	0.81	0.81	0.48
10,124.00	2.81	14.22	10,116.01	74.68	-36.39	-74.68	0.31	-0.04	-6.16
10,218.00	2.89	15.05	10,209.89	79.20	-35.21	-79.20	0.10	0.09	0.88
10,406.00	2.23	50.26	10,397.71	86.11	-31.17	-86.11	0.89	-0.35	18.73



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Survey

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10,499.00	1.89	92.69	10,490.66	87.20	-28.24	-87.20	1.64	-0.37	45.62
10,592.00	1.72	76.40	10,583.61	87.45	-25.35	-87.45	0.58	-0.18	-17.52
10,686.00	1.09	90.89	10,677.58	87.77	-23.09	-87.77	0.76	-0.67	15.41
10,779.00	0.47	178.94	10,770.58	87.38	-22.20	-87.38	1.26	-0.67	94.68
10,968.00	0.98	197.36	10,959.56	85.06	-22.66	-85.06	0.29	0.27	9.75
11,062.00	3.24	186.94	11,053.49	81.66	-23.23	-81.66	2.43	2.40	-11.09
11,156.00	4.05	174.58	11,147.30	75.71	-23.23	-75.71	1.20	0.86	-13.15
11,249.00	3.20	159.73	11,240.12	70.01	-22.02	-70.01	1.35	-0.91	-15.97
11,343.00	2.82	156.36	11,333.99	65.43	-20.19	-65.43	0.45	-0.40	-3.59
11,436.00	1.40	187.23	11,426.93	62.21	-19.41	-62.21	1.90	-1.53	33.19
11,529.00	2.10	210.31	11,519.88	59.61	-20.42	-59.61	1.05	0.75	24.82
11,560.00	2.01	214.18	11,550.86	58.67	-21.01	-58.67	0.53	-0.29	12.48
11,640.00	2.77	216.54	11,630.79	55.95	-22.95	-55.95	0.96	0.95	2.95
11,733.00	3.43	209.43	11,723.66	51.73	-25.65	-51.73	0.82	0.71	-7.65
11,826.00	2.93	201.76	11,816.51	47.09	-27.90	-47.09	0.70	-0.54	-8.25
11,920.00	13.26	197.64	11,909.45	34.56	-32.07	-34.56	11.00	10.99	-4.38
12,013.00	18.85	195.60	11,998.79	9.90	-39.35	-9.90	6.04	6.01	-2.19
12,107.00	36.91	183.20	12,081.60	-33.30	-45.06	33.30	20.08	19.21	-13.19
12,152.00	37.91	182.10	12,117.34	-60.61	-46.32	60.61	2.67	2.22	-2.44
12,200.00	39.56	181.03	12,154.78	-90.63	-47.13	90.63	3.71	3.44	-2.23
12,247.00	44.70	178.54	12,189.63	-122.14	-46.98	122.14	11.50	10.94	-5.30
12,294.00	51.74	176.47	12,220.93	-157.13	-45.42	157.13	15.33	14.98	-4.40
12,341.00	56.82	177.46	12,248.36	-195.22	-43.41	195.22	10.94	10.81	2.11
12,387.00	57.44	178.85	12,273.33	-233.83	-42.17	233.83	2.87	1.35	3.02
12,434.00	62.93	176.31	12,296.69	-274.55	-40.43	274.55	12.59	11.68	-5.40
12,482.00	70.36	175.51	12,315.70	-318.48	-37.28	318.48	15.55	15.48	-1.67
12,529.00	70.95	175.56	12,331.27	-362.69	-33.82	362.69	1.26	1.26	0.11
12,576.00	72.39	175.34	12,346.05	-407.16	-30.28	407.16	3.10	3.06	-0.47
12,623.00	74.90	175.15	12,359.29	-452.10	-26.55	452.10	5.35	5.34	-0.40
12,692.00	76.27	175.84	12,376.46	-518.72	-21.30	518.72	2.21	1.99	1.00
12,739.00	78.19	176.52	12,386.85	-564.45	-18.25	564.45	4.32	4.09	1.45
12,786.00	85.18	179.23	12,393.65	-610.90	-16.53	610.90	15.93	14.87	5.77
12,893.00	87.59	178.84	12,400.39	-717.66	-14.73	717.66	2.28	2.25	-0.36
12,986.00	92.50	179.14	12,400.32	-810.62	-13.09	810.62	5.29	5.28	0.32
13,080.00	94.02	178.43	12,394.97	-904.44	-11.11	904.44	1.78	1.62	-0.76
13,173.00	93.55	176.96	12,388.83	-997.16	-7.37	997.16	1.66	-0.51	-1.58
13,266.00	94.33	176.32	12,382.44	-1,089.78	-1.94	1,089.78	1.08	0.84	-0.69
13,453.00	90.15	177.13	12,375.14	-1,276.29	8.74	1,276.29	2.28	-2.24	0.43
13,546.00	89.50	176.32	12,375.42	-1,369.13	14.05	1,369.13	1.12	-0.70	-0.87
13,640.00	89.45	177.71	12,376.28	-1,463.00	18.94	1,463.00	1.48	-0.05	1.48
13,733.00	88.48	179.47	12,377.96	-1,555.95	21.23	1,555.95	2.16	-1.04	1.89
13,827.00	89.14	180.23	12,379.91	-1,649.93	21.48	1,649.93	1.07	0.70	0.81
13,920.00	89.82	181.83	12,380.76	-1,742.91	19.81	1,742.91	1.87	0.73	1.72



Survey Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 701H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3560.20usft (H&P 313)
Site:	Romeo Federal Com	MD Reference:	RKB @ 3560.20usft (H&P 313)
Well:	701H	North Reference:	True
Wellbore:	OH / 67471	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)
14,013.00	86.99	179.75	12,383.35	-1,835.85	18.52	1,835.85	3.78	-3.04	-2.24
14,107.00	86.63	182.92	12,388.58	-1,929.66	16.34	1,929.66	3.39	-0.38	3.37
14,200.00	86.03	183.84	12,394.53	-2,022.31	10.87	2,022.31	1.18	-0.65	0.99
14,293.00	89.93	182.21	12,397.81	-2,115.10	5.96	2,115.10	4.54	4.19	-1.75
14,387.00	91.52	181.05	12,396.62	-2,209.05	3.29	2,209.05	2.09	1.69	-1.23
14,480.00	90.04	181.06	12,395.35	-2,302.03	1.58	2,302.03	1.59	-1.59	0.01
14,574.00	89.93	181.13	12,395.38	-2,396.01	-0.22	2,396.01	0.14	-0.12	0.07
14,668.00	90.04	181.56	12,395.40	-2,489.98	-2.43	2,489.98	0.47	0.12	0.46
14,762.00	89.62	180.31	12,395.68	-2,583.97	-3.96	2,583.97	1.40	-0.45	-1.33
14,856.00	90.55	181.83	12,395.54	-2,677.95	-5.71	2,677.95	1.90	0.99	1.62
14,950.00	89.28	182.03	12,395.68	-2,771.89	-8.88	2,771.89	1.37	-1.35	0.21
15,044.00	88.56	180.34	12,397.45	-2,865.85	-10.82	2,865.85	1.95	-0.77	-1.80
15,233.00	90.62	183.14	12,398.81	-3,054.73	-16.56	3,054.73	1.84	1.09	1.48
15,327.00	88.73	181.62	12,399.34	-3,148.64	-20.47	3,148.64	2.58	-2.01	-1.62
15,514.00	91.16	180.44	12,399.52	-3,335.59	-23.83	3,335.59	1.44	1.30	-0.63
15,607.00	89.76	177.61	12,398.77	-3,428.56	-22.24	3,428.56	3.39	-1.51	-3.04
15,701.00	90.22	180.04	12,398.79	-3,522.54	-20.32	3,522.54	2.63	0.49	2.59
15,887.00	90.16	181.22	12,398.17	-3,708.52	-22.36	3,708.52	0.64	-0.03	0.63
15,981.00	89.82	179.49	12,398.19	-3,802.52	-22.94	3,802.52	1.88	-0.36	-1.84
16,167.00	91.32	178.95	12,396.34	-3,988.48	-20.41	3,988.48	0.86	0.81	-0.29
16,261.00	90.39	178.31	12,394.94	-4,082.45	-18.17	4,082.45	1.20	-0.99	-0.68
16,355.00	91.46	178.51	12,393.42	-4,176.40	-15.56	4,176.40	1.16	1.14	0.21
16,543.00	90.76	179.95	12,389.78	-4,364.34	-13.03	4,364.34	0.85	-0.37	0.77
16,637.00	92.00	181.78	12,387.51	-4,458.29	-14.45	4,458.29	2.35	1.32	1.95
16,731.00	90.62	180.56	12,385.36	-4,552.24	-16.37	4,552.24	1.96	-1.47	-1.30
16,826.00	91.27	181.15	12,383.80	-4,647.22	-17.79	4,647.22	0.92	0.68	0.62
16,920.00	93.75	182.75	12,379.68	-4,741.07	-20.98	4,741.07	3.14	2.64	1.70
17,014.00	91.67	180.20	12,375.24	-4,834.92	-23.39	4,834.92	3.50	-2.21	-2.71
17,109.00	89.76	178.05	12,374.05	-4,929.89	-21.94	4,929.89	3.03	-2.01	-2.26
17,203.00	87.11	176.86	12,376.62	-5,023.75	-17.77	5,023.75	3.09	-2.82	-1.27
17,392.00	90.13	178.33	12,381.17	-5,212.50	-9.85	5,212.50	1.78	1.60	0.78
17,486.00	90.22	178.30	12,380.88	-5,306.46	-7.08	5,306.46	0.10	0.10	-0.03
17,674.00	90.01	175.11	12,380.50	-5,494.13	3.72	5,494.13	1.70	-0.11	-1.70
17,769.00	88.48	176.88	12,381.76	-5,588.88	10.36	5,588.88	2.46	-1.61	1.86
17,863.00	89.47	177.04	12,383.44	-5,682.73	15.34	5,682.73	1.07	1.05	0.17
17,957.00	89.75	177.38	12,384.08	-5,776.62	19.92	5,776.62	0.47	0.30	0.36
18,052.00	88.08	179.65	12,385.88	-5,871.56	22.38	5,871.56	2.97	-1.76	2.39
18,146.00	87.36	178.62	12,389.62	-5,965.47	23.80	5,965.47	1.34	-0.77	-1.10
18,335.00	90.73	182.03	12,392.77	-6,154.39	22.72	6,154.39	2.54	1.78	1.80
18,429.00	91.18	181.68	12,391.20	-6,248.32	19.68	6,248.32	0.61	0.48	-0.37
18,524.00	91.44	181.65	12,389.03	-6,343.26	16.92	6,343.26	0.28	0.27	-0.03
18,618.00	91.89	180.70	12,386.30	-6,437.20	14.99	6,437.20	1.12	0.48	-1.01
18,713.00	88.87	180.29	12,385.67	-6,532.18	14.17	6,532.18	3.21	-3.18	-0.43



Survey Report



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Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3560.20usft (H&P 313)
Site:	Romeo Federal Com	MD Reference:	RKB @ 3560.20usft (H&P 313)
Well:	701H	North Reference:	True
Wellbore:	OH / 67471	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)
18,901.00	90.53	180.26	12,386.65	-6,720.17	13.27	6,720.17	0.88	0.88	-0.02
18,995.00	89.51	179.89	12,386.62	-6,814.17	13.15	6,814.17	1.15	-1.09	-0.39
19,089.00	89.71	179.43	12,387.26	-6,908.16	13.70	6,908.16	0.53	0.21	-0.49
19,184.00	90.36	178.85	12,387.20	-7,003.15	15.13	7,003.15	0.92	0.68	-0.61
19,278.00	89.99	181.00	12,386.91	-7,097.15	15.25	7,097.15	2.32	-0.39	2.29
19,372.00	90.82	181.06	12,386.25	-7,191.13	13.56	7,191.13	0.89	0.88	0.06
19,540.00	91.72	181.18	12,382.52	-7,359.05	10.28	7,359.05	0.54	0.54	0.07
Final Phoenix MWD Survey									
19,596.00	91.72	181.18	12,380.84	-7,415.02	9.13	7,415.02	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)		
1,335.00	1,334.75	-12.90	-7.69	Tie In	
1,439.00	1,438.47	-12.79	-15.28	First Phoenix MWD Survey	
19,540.00	12,382.52	-7,359.05	10.28	Final Phoenix MWD Survey	
19,596.00				Projection to TD	

District I

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District II

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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 22478

CONDITIONS OF APPROVAL

Operator:				OGRID:	Action Number:	Action Type:
CENTENNIAL RESOURCE PRODUCTION	1001 17th Street, Suite 1800	Denver, CO80202		372165	22478	C-104C

OCD Reviewer	Condition
plmartinez	None