

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Permian Resources, LLC 1001 17th Street, Suite 1800 Denver, CO 80202		² OGRID Number 372165
		³ Reason for Filing Code/ Effective Date NW 10/18/22
⁴ API Number 30 - 0 25-50328	⁵ Pool Name WC-025 G-06 S203511G; BONE SPRING	⁶ Pool Code 96585
⁷ Property Code 329782	⁸ Property Name King Eider 12 Federal Com	⁹ Well Number 501H

II. ¹⁰ Surface Location

UL or lot no. M	Section 12	Township 20S	Range 35E	Lot Idn	Feet from the 200	North/South Line South	Feet from the 330	East/West line West	County Lea
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¹¹ Bottom Hole Location

UL or lot no. 4	Section 1	Township 20S	Range 35E	Lot Idn	Feet from the 86	North/South line North	Feet from the 291	East/West line West	County Lea
¹² Lse Code S	¹³ Producing Method Code P	¹⁴ Gas Connection Date 10/18/22	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
174238	Enterprise Crude Oil, LLC	O
24650	Versado Gas Processors, LLC	G

IV. Well Completion Data

²¹ Spud Date 7/25/22	²² Ready Date 10/18/22	²³ TD 20,354D/10,133TVD	²⁴ PBTD 20,296'	²⁵ Perforations 10,517-20,294'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
17-1/2		13-3/8	2,133'		1,735
12-1/4		9-5/8	5,512'		942
8-3/4, 7-7/8		5-1/2	20,334'		2020

V. Well Test Data

³¹ Date New Oil 10/18/22	³² Gas Delivery Date 10/18/22	³³ Test Date 11/19/22	³⁴ Test Length 24 Hours	³⁵ Tbg. Pressure 305	³⁶ Csg. Pressure 100
³⁷ Choke Size 1	³⁸ Oil 1,183 BBL/D	³⁹ Water 2082 2080 BBL/D	⁴⁰ Gas 499 MCF/D		⁴¹ Test Method Artificial Lift
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: Meaghan Coughlan			OIL CONSERVATION DIVISION		
Printed name: Meaghan Coughlan			Approved by: PATRICIA MARTINEZ		
Title: Regulatory Tech			Title: PETROLEUM SPECIALIST		
E-mail Address: meaghan.coughlan@permianres.com			Approval Date: 4/17/2023		
Date: 4/11/23		Phone: 720-499-1395			

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

☐ AMENDED REPORT



Centennial Resources Development, Inc.

**Lea County, NM (NAD83 - UTM Zone 13)
King Eider 12 Fed Com
King Eider 12 Fed Com 501H**

OH / 70259 / 70410

Design: Surveys (H&P 296)

Standard Survey Report

23 August, 2022





Survey Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well King Eider 12 Fed Com 501H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3681.30usft (H&P 296)
Site:	King Eider 12 Fed Com	MD Reference:	RKB @ 3681.30usft (H&P 296)
Well:	King Eider 12 Fed Com 501H	North Reference:	True
Wellbore:	OH / 70259 / 70410	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 296)	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	King Eider 12 Fed Com		
Site Position:		Northing:	11,830,510.46 usft
From:	Map	Easting:	2,127,490.93 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 34' 51.762909 N
		Longitude:	103° 25' 5.789145 W
		Grid Convergence:	0.852 °

Well	King Eider 12 Fed Com 501H		
Well Position	+N/-S	0.00 usft	Northing: 11,830,510.46 usft
	+E/-W	0.00 usft	Easting: 2,127,490.93 usft
Position Uncertainty	1.00 usft	Wellhead Elevation:	usft
		Latitude:	32° 34' 51.762909 N
		Longitude:	103° 25' 5.789145 W
		Ground Level:	3,655.30 usft

Wellbore	OH / 70259 / 70410		
Magnetics	Model Name	Sample Date	Declination (°)
	MVHD	9/23/2022	6.304
			Dip Angle (°) 60.440
			Field Strength (nT) 47,738.75044575

Design	Surveys (H&P 296)		
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 (°) 359.95

Survey Program	Date 8/23/2022		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
7.00	5,447.00	Phoenix MWD Surveys (Adjusted) (OH / 70259 / 70410)	MWD+IFR1+MS
5,612.00	20,354.00	Phoenix MWD Surveys (OH / 70259 / 70410)	MWD+IFR1+MS
			Description
			OWSG MWD + IFR1 + Multi-Station Correction
			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
7.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00
161.00	0.44	7.34	161.00	0.59	0.08	0.59	0.29	0.29	0.00
First Phoenix MWD Survey									
279.00	0.40	51.81	279.00	1.29	0.46	1.29	0.27	-0.03	37.69
398.00	0.35	57.70	397.99	1.74	1.09	1.74	0.05	-0.04	4.95
526.00	0.62	109.47	525.99	1.72	2.07	1.72	0.38	0.21	40.45
651.00	0.79	122.21	650.98	1.03	3.44	1.03	0.18	0.14	10.19
777.00	0.70	148.14	776.97	-0.08	4.58	-0.09	0.27	-0.07	20.58
904.00	0.70	120.54	903.96	-1.13	5.66	-1.14	0.26	0.00	-21.73



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Site:	King Eider 12 Fed Com	MD Reference:	RKB @ 3681.30usft (H&P 296)
Well:	King Eider 12 Fed Com 501H	North Reference:	True
Wellbore:	OH / 70259 / 70410	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 296)	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)
1,029.00	0.57	107.18	1,028.95	-1.71	6.91	-1.71	0.16	-0.10	-10.69
1,155.00	0.57	114.74	1,154.95	-2.15	8.08	-2.16	0.06	0.00	6.00
1,281.00	0.48	86.70	1,280.94	-2.39	9.18	-2.39	0.21	-0.07	-22.25
1,408.00	0.40	88.90	1,407.94	-2.35	10.15	-2.36	0.06	-0.06	1.73
1,534.00	0.31	66.93	1,533.93	-2.20	10.90	-2.21	0.13	-0.07	-17.44
1,660.00	0.57	87.93	1,659.93	-2.05	11.84	-2.06	0.24	0.21	16.67
1,785.00	1.10	41.70	1,784.92	-1.13	13.26	-1.14	0.65	0.42	-36.98
1,912.00	1.63	22.37	1,911.88	1.45	14.76	1.44	0.55	0.42	-15.22
2,069.00	1.71	19.66	2,068.82	5.72	16.40	5.71	0.07	0.05	-1.73
2,163.00	1.41	41.02	2,162.78	7.91	17.63	7.90	0.69	-0.32	22.72
2,290.00	1.49	123.77	2,289.75	8.18	20.03	8.16	1.51	0.06	65.16
2,416.00	2.95	163.45	2,415.66	4.16	22.31	4.14	1.62	1.16	31.49
2,542.00	4.53	180.50	2,541.39	-3.93	23.19	-3.95	1.52	1.25	13.53
2,667.00	7.25	183.84	2,665.72	-16.74	22.62	-16.76	2.19	2.18	2.67
2,792.00	8.00	183.05	2,789.62	-33.29	21.63	-33.31	0.61	0.60	-0.63
2,918.00	7.78	182.43	2,914.42	-50.57	20.80	-50.59	0.19	-0.17	-0.49
3,045.00	6.29	187.35	3,040.46	-66.06	19.55	-66.07	1.26	-1.17	3.87
3,170.00	4.35	184.98	3,164.92	-77.57	18.26	-77.59	1.56	-1.55	-1.90
3,296.00	2.68	196.41	3,290.68	-85.16	17.01	-85.17	1.43	-1.33	9.07
3,422.00	1.98	198.25	3,416.58	-90.05	15.50	-90.07	0.56	-0.56	1.46
3,548.00	1.54	205.37	3,542.52	-93.65	14.09	-93.66	0.39	-0.35	5.65
3,674.00	0.57	248.61	3,668.49	-95.41	12.78	-95.42	0.94	-0.77	34.32
3,801.00	0.22	284.56	3,795.49	-95.58	11.96	-95.59	0.32	-0.28	28.31
3,926.00	0.35	19.04	3,920.49	-95.16	11.85	-95.17	0.34	0.10	75.58
4,051.00	0.48	27.13	4,045.49	-94.33	12.22	-94.34	0.11	0.10	6.47
4,177.00	0.44	95.60	4,171.48	-93.91	12.94	-93.92	0.41	-0.03	54.34
4,303.00	0.79	128.38	4,297.48	-94.49	14.10	-94.50	0.38	0.28	26.02
4,428.00	0.84	123.11	4,422.46	-95.53	15.54	-95.54	0.07	0.04	-4.22
4,554.00	0.79	120.29	4,548.45	-96.47	17.07	-96.49	0.05	-0.04	-2.24
4,680.00	0.84	120.91	4,674.44	-97.38	18.61	-97.40	0.04	0.04	0.49
4,805.00	1.10	134.27	4,799.42	-98.69	20.25	-98.71	0.27	0.21	10.69
4,931.00	0.97	123.99	4,925.40	-100.13	22.00	-100.15	0.18	-0.10	-8.16
5,057.00	1.23	143.32	5,051.38	-101.81	23.70	-101.83	0.36	0.21	15.34
5,184.00	1.41	145.69	5,178.34	-104.20	25.39	-104.22	0.15	0.14	1.87
5,310.00	1.27	135.32	5,304.31	-106.47	27.25	-106.49	0.22	-0.11	-8.23
5,447.00	1.49	134.71	5,441.27	-108.80	29.58	-108.83	0.16	0.16	-0.45
5,612.00	1.67	127.73	5,606.21	-111.78	33.01	-111.81	0.16	0.11	-4.23
5,707.00	1.72	125.40	5,701.17	-113.46	35.26	-113.49	0.09	0.05	-2.45
5,802.00	1.94	128.87	5,796.12	-115.29	37.68	-115.32	0.26	0.23	3.65
5,898.00	2.07	123.61	5,892.06	-117.27	40.39	-117.31	0.23	0.14	-5.48
5,993.00	0.87	106.57	5,987.03	-118.43	42.51	-118.46	1.33	-1.26	-17.94
6,088.00	0.70	349.80	6,082.02	-118.06	43.10	-118.10	1.41	-0.18	-122.92
6,183.00	0.71	11.34	6,177.01	-116.91	43.11	-116.95	0.28	0.01	22.67



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6,278.00	1.05	7.03	6,272.00	-115.47	43.33	-115.51	0.36	0.36	-4.54
6,373.00	1.29	354.64	6,366.98	-113.54	43.34	-113.58	0.37	0.25	-13.04
6,468.00	1.26	349.05	6,461.96	-111.45	43.04	-111.49	0.13	-0.03	-5.88
6,563.00	1.16	351.21	6,556.94	-109.48	42.69	-109.51	0.12	-0.11	2.27
6,658.00	0.70	45.01	6,651.93	-108.12	42.96	-108.15	0.99	-0.48	56.63
6,753.00	0.82	40.13	6,746.92	-107.19	43.81	-107.22	0.14	0.13	-5.14
6,848.00	0.77	45.54	6,841.91	-106.22	44.70	-106.26	0.09	-0.05	5.69
6,944.00	0.69	57.44	6,937.90	-105.46	45.65	-105.50	0.18	-0.08	12.40
7,039.00	0.83	64.82	7,032.89	-104.86	46.75	-104.90	0.18	0.15	7.77
7,134.00	1.19	71.30	7,127.88	-104.25	48.31	-104.29	0.40	0.38	6.82
7,229.00	1.40	76.86	7,222.85	-103.67	50.37	-103.71	0.26	0.22	5.85
7,325.00	1.66	87.92	7,318.82	-103.35	52.91	-103.40	0.41	0.27	11.52
7,420.00	1.33	74.04	7,413.79	-103.00	55.34	-103.04	0.51	-0.35	-14.61
7,515.00	1.28	41.53	7,508.76	-101.90	57.10	-101.95	0.77	-0.05	-34.22
7,610.00	1.35	50.33	7,603.74	-100.39	58.67	-100.44	0.22	0.07	9.26
7,705.00	0.29	84.21	7,698.73	-99.65	59.77	-99.70	1.18	-1.12	35.66
7,800.00	1.20	201.10	7,793.72	-100.56	59.65	-100.61	1.43	0.96	123.04
7,895.00	0.79	164.45	7,888.71	-102.11	59.47	-102.17	0.78	-0.43	-38.58
7,990.00	0.95	144.40	7,983.70	-103.39	60.10	-103.44	0.36	0.17	-21.11
8,085.00	0.87	144.42	8,078.69	-104.61	60.98	-104.67	0.08	-0.08	0.02
8,180.00	0.24	255.53	8,173.68	-105.25	61.21	-105.30	1.03	-0.66	116.96
8,275.00	1.21	297.08	8,268.67	-104.84	60.12	-104.89	1.10	1.02	43.74
8,370.00	0.40	312.36	8,363.66	-104.16	58.98	-104.21	0.87	-0.85	16.08
8,466.00	0.39	102.56	8,459.66	-104.01	59.05	-104.06	0.80	-0.01	156.46
8,561.00	0.51	110.38	8,554.66	-104.22	59.77	-104.28	0.14	0.13	8.23
8,656.00	0.29	34.87	8,649.66	-104.17	60.30	-104.23	0.55	-0.23	-79.48
8,751.00	0.99	339.72	8,744.65	-103.21	60.15	-103.26	0.90	0.74	-58.05
8,846.00	0.88	4.98	8,839.64	-101.71	59.93	-101.76	0.44	-0.12	26.59
8,942.00	1.36	26.47	8,935.62	-99.96	60.50	-100.01	0.66	0.50	22.39
9,037.00	0.75	329.59	9,030.61	-98.41	60.69	-98.46	1.20	-0.64	-59.87
9,132.00	0.80	269.28	9,125.60	-97.88	59.71	-97.94	0.82	0.05	-63.48
9,227.00	0.24	301.49	9,220.60	-97.79	58.88	-97.84	0.64	-0.59	33.91
9,322.00	0.24	224.04	9,315.60	-97.83	58.57	-97.88	0.32	0.00	-81.53
9,417.00	0.48	143.44	9,410.59	-98.29	58.67	-98.34	0.53	0.25	-84.84
9,512.00	1.06	108.53	9,505.59	-98.89	59.74	-98.94	0.76	0.61	-36.75
9,579.00	1.35	106.60	9,572.57	-99.31	61.09	-99.36	0.44	0.43	-2.88
9,674.00	5.67	356.69	9,667.42	-94.94	61.89	-95.00	6.59	4.55	-115.69
9,769.00	16.40	354.74	9,760.53	-76.85	60.38	-76.90	11.30	11.29	-2.05
9,864.00	24.53	4.62	9,849.48	-43.77	60.74	-43.83	9.27	8.56	10.40
9,959.00	32.47	2.97	9,932.90	1.42	63.66	1.37	8.40	8.36	-1.74
10,054.00	42.53	2.53	10,008.18	59.12	66.40	59.06	10.59	10.59	-0.46
10,149.00	48.48	358.30	10,074.74	126.82	66.77	126.76	7.02	6.26	-4.45
10,244.00	50.81	350.34	10,136.31	198.74	59.53	198.69	6.84	2.45	-8.38



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10,339.00	60.17	350.53	10,190.07	275.85	46.54	275.81	9.85	9.85	0.20
10,434.00	72.79	350.79	10,227.91	361.63	32.44	361.60	13.29	13.28	0.27
10,513.00	83.91	356.66	10,243.85	438.39	24.08	438.37	15.84	14.08	7.43
10,534.00	87.54	355.87	10,245.41	459.28	22.72	459.26	17.69	17.29	-3.76
10,629.00	91.78	354.52	10,245.98	553.92	14.76	553.91	4.68	4.46	-1.42
10,725.00	91.33	356.61	10,243.37	649.59	7.34	649.59	2.23	-0.47	2.18
10,819.00	92.58	359.80	10,240.16	743.48	4.40	743.48	3.64	1.33	3.39
10,914.00	94.85	359.45	10,234.01	838.27	3.78	838.27	2.42	2.39	-0.37
11,009.00	93.09	359.98	10,227.43	933.04	3.31	933.04	1.93	-1.85	0.56
11,104.00	91.12	1.36	10,223.94	1,027.96	4.42	1,027.96	2.53	-2.07	1.45
11,199.00	92.91	0.36	10,220.60	1,122.89	5.84	1,122.88	2.16	1.88	-1.05
11,293.00	90.86	1.45	10,217.51	1,216.82	7.33	1,216.81	2.47	-2.18	1.16
11,388.00	90.59	1.59	10,216.31	1,311.78	9.85	1,311.77	0.32	-0.28	0.15
11,483.00	91.44	0.86	10,214.63	1,406.74	11.88	1,406.73	1.18	0.89	-0.77
11,577.00	92.41	0.20	10,211.47	1,500.68	12.75	1,500.67	1.25	1.03	-0.70
11,672.00	92.49	359.05	10,207.41	1,595.59	12.12	1,595.58	1.21	0.08	-1.21
11,767.00	89.62	358.99	10,205.66	1,690.55	10.50	1,690.54	3.02	-3.02	-0.06
11,862.00	89.33	358.21	10,206.53	1,785.52	8.18	1,785.51	0.88	-0.31	-0.82
11,958.00	90.96	358.06	10,206.29	1,881.46	5.05	1,881.46	1.71	1.70	-0.16
12,053.00	89.04	0.44	10,206.29	1,976.44	3.81	1,976.44	3.22	-2.02	2.51
12,148.00	88.90	0.15	10,207.99	2,071.43	4.30	2,071.42	0.34	-0.15	-0.31
12,243.00	87.91	358.67	10,210.64	2,166.38	3.32	2,166.38	1.87	-1.04	-1.56
12,338.00	87.83	359.87	10,214.17	2,261.30	2.11	2,261.30	1.27	-0.08	1.26
12,433.00	87.43	358.71	10,218.10	2,356.21	0.94	2,356.21	1.29	-0.42	-1.22
12,528.00	89.44	359.06	10,220.69	2,451.16	-0.91	2,451.16	2.15	2.12	0.37
12,623.00	89.38	358.93	10,221.67	2,546.14	-2.58	2,546.14	0.15	-0.06	-0.14
12,718.00	88.99	357.60	10,223.02	2,641.08	-5.45	2,641.08	1.46	-0.41	-1.40
12,813.00	89.58	359.51	10,224.21	2,736.04	-7.85	2,736.04	2.10	0.62	2.01
12,908.00	90.87	0.62	10,223.83	2,831.03	-7.74	2,831.04	1.79	1.36	1.17
13,003.00	92.43	0.42	10,221.10	2,925.99	-6.88	2,925.99	1.66	1.64	-0.21
13,098.00	93.23	359.87	10,216.41	3,020.87	-6.64	3,020.88	1.02	0.84	-0.58
13,193.00	91.64	0.81	10,212.37	3,115.78	-6.07	3,115.78	1.94	-1.67	0.99
13,289.00	91.07	0.22	10,210.10	3,211.75	-5.21	3,211.75	0.85	-0.59	-0.61
13,384.00	91.87	0.19	10,207.66	3,306.71	-4.87	3,306.72	0.84	0.84	-0.03
13,479.00	91.87	359.82	10,204.56	3,401.66	-4.86	3,401.67	0.39	0.00	-0.39
13,574.00	90.44	0.99	10,202.65	3,496.64	-4.19	3,496.64	1.94	-1.51	1.23
13,670.00	91.10	0.58	10,201.36	3,592.62	-2.88	3,592.62	0.81	0.69	-0.43
13,765.00	89.68	0.39	10,200.71	3,687.61	-2.07	3,687.61	1.51	-1.49	-0.20
13,860.00	89.38	0.90	10,201.49	3,782.60	-1.00	3,782.60	0.62	-0.32	0.54
13,956.00	90.33	0.71	10,201.74	3,878.59	0.35	3,878.59	1.01	0.99	-0.20
14,051.00	91.29	359.76	10,200.39	3,973.58	0.74	3,973.58	1.42	1.01	-1.00
14,146.00	92.12	359.02	10,197.57	4,068.53	-0.28	4,068.53	1.17	0.87	-0.78
14,241.00	89.87	358.98	10,195.92	4,163.49	-1.93	4,163.49	2.37	-2.37	-0.04
14,337.00	89.21	358.99	10,196.69	4,259.48	-3.63	4,259.48	0.69	-0.69	0.01



Survey Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well King Eider 12 Fed Com 501H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3681.30usft (H&P 296)
Site:	King Eider 12 Fed Com	MD Reference:	RKB @ 3681.30usft (H&P 296)
Well:	King Eider 12 Fed Com 501H	North Reference:	True
Wellbore:	OH / 70259 / 70410	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 296)	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)
14,431.00	89.30	358.14	10,197.91	4,353.44	-5.99	4,353.44	0.91	0.10	-0.90
14,526.00	89.25	0.30	10,199.11	4,448.42	-7.28	4,448.42	2.27	-0.05	2.27
14,621.00	89.55	359.70	10,200.11	4,543.41	-7.28	4,543.41	0.71	0.32	-0.63
14,716.00	90.61	358.61	10,199.97	4,638.40	-8.68	4,638.40	1.60	1.12	-1.15
14,811.00	91.73	357.78	10,198.03	4,733.33	-11.67	4,733.34	1.47	1.18	-0.87
14,906.00	92.03	359.03	10,194.92	4,828.24	-14.32	4,828.25	1.35	0.32	1.32
15,001.00	90.10	1.87	10,193.15	4,923.20	-13.57	4,923.21	3.61	-2.03	2.99
15,097.00	90.42	1.61	10,192.72	5,019.16	-10.65	5,019.17	0.43	0.33	-0.27
15,192.00	92.49	1.31	10,190.30	5,114.09	-8.23	5,114.10	2.20	2.18	-0.32
15,287.00	90.35	0.99	10,187.95	5,209.04	-6.33	5,209.04	2.28	-2.25	-0.34
15,382.00	89.61	0.54	10,187.98	5,304.03	-5.06	5,304.03	0.91	-0.78	-0.47
15,478.00	89.88	359.45	10,188.41	5,400.03	-5.07	5,400.03	1.17	0.28	-1.14
15,573.00	90.30	358.95	10,188.26	5,495.02	-6.40	5,495.02	0.69	0.44	-0.53
15,668.00	90.67	0.87	10,187.46	5,590.01	-6.54	5,590.01	2.06	0.39	2.02
15,763.00	90.42	0.74	10,186.55	5,684.99	-5.21	5,685.00	0.30	-0.26	-0.14
15,858.00	91.32	0.04	10,185.11	5,779.98	-4.56	5,779.98	1.20	0.95	-0.74
15,953.00	92.75	359.87	10,181.74	5,874.92	-4.64	5,874.92	1.52	1.51	-0.18
16,048.00	91.18	0.41	10,178.48	5,969.86	-4.41	5,969.86	1.75	-1.65	0.57
16,143.00	91.58	0.63	10,176.19	6,064.83	-3.54	6,064.83	0.48	0.42	0.23
16,238.00	89.01	0.11	10,175.70	6,159.81	-2.93	6,159.81	2.76	-2.71	-0.55
16,334.00	88.61	359.80	10,177.70	6,255.79	-3.01	6,255.79	0.53	-0.42	-0.32
16,428.00	88.91	359.16	10,179.73	6,349.77	-3.86	6,349.77	0.75	0.32	-0.68
16,523.00	88.84	358.26	10,181.60	6,444.72	-6.00	6,444.73	0.95	-0.07	-0.95
16,618.00	89.68	0.76	10,182.82	6,539.70	-6.81	6,539.71	2.78	0.88	2.63
16,714.00	92.01	0.24	10,181.41	6,635.68	-5.97	6,635.69	2.49	2.43	-0.54
16,809.00	92.80	358.34	10,177.42	6,730.59	-7.15	6,730.59	2.16	0.83	-2.00
16,904.00	91.87	0.19	10,173.55	6,825.49	-8.36	6,825.50	2.18	-0.98	1.95
16,999.00	91.24	0.19	10,170.97	6,920.46	-8.05	6,920.46	0.66	-0.66	0.00
17,094.00	91.30	358.53	10,168.87	7,015.43	-9.11	7,015.43	1.75	0.06	-1.75
17,189.00	91.19	0.48	10,166.80	7,110.40	-9.93	7,110.40	2.06	-0.12	2.05
17,284.00	91.97	0.79	10,164.18	7,205.35	-8.88	7,205.36	0.88	0.82	0.33
17,379.00	90.01	0.24	10,162.54	7,300.33	-8.02	7,300.33	2.14	-2.06	-0.58
17,474.00	88.62	0.44	10,163.68	7,395.32	-7.46	7,395.32	1.48	-1.46	0.21
17,570.00	88.63	359.80	10,165.98	7,491.29	-7.26	7,491.29	0.67	0.01	-0.67
17,665.00	89.99	357.87	10,167.12	7,586.26	-9.19	7,586.26	2.49	1.43	-2.03
17,761.00	91.04	0.04	10,166.26	7,682.23	-10.94	7,682.24	2.51	1.09	2.26
17,856.00	90.64	359.68	10,164.87	7,777.22	-11.17	7,777.23	0.57	-0.42	-0.38
17,951.00	90.72	359.23	10,163.74	7,872.21	-12.08	7,872.22	0.48	0.08	-0.47
18,046.00	92.07	1.39	10,161.43	7,967.17	-11.56	7,967.18	2.68	1.42	2.27
18,141.00	92.97	0.01	10,157.25	8,062.07	-10.40	8,062.07	1.73	0.95	-1.45
18,236.00	91.98	1.19	10,153.15	8,156.97	-9.41	8,156.98	1.62	-1.04	1.24
18,331.00	93.05	0.32	10,148.98	8,251.87	-8.16	8,251.87	1.45	1.13	-0.92
18,426.00	90.58	0.67	10,145.97	8,346.81	-7.34	8,346.81	2.63	-2.60	0.37



Survey Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well King Eider 12 Fed Com 501H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3681.30usft (H&P 296)
Site:	King Eider 12 Fed Com	MD Reference:	RKB @ 3681.30usft (H&P 296)
Well:	King Eider 12 Fed Com 501H	North Reference:	True
Wellbore:	OH / 70259 / 70410	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 296)	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)	
18,521.00	91.13	0.70	10,144.55	8,441.79	-6.20	8,441.80	0.58	0.58	0.03	
18,617.00	90.75	0.94	10,142.98	8,537.77	-4.83	8,537.77	0.47	-0.40	0.25	
18,712.00	90.99	359.98	10,141.54	8,632.76	-4.07	8,632.76	1.04	0.25	-1.01	
18,807.00	92.10	359.43	10,138.97	8,727.72	-4.56	8,727.72	1.30	1.17	-0.58	
18,903.00	90.41	0.38	10,136.87	8,823.69	-4.71	8,823.69	2.02	-1.76	0.99	
18,998.00	89.78	359.79	10,136.71	8,918.69	-4.57	8,918.69	0.91	-0.66	-0.62	
19,093.00	91.36	357.94	10,135.77	9,013.66	-6.45	9,013.66	2.56	1.66	-1.95	
19,188.00	89.59	359.63	10,134.98	9,108.63	-8.47	9,108.63	2.58	-1.86	1.78	
19,283.00	91.26	359.30	10,134.28	9,203.62	-9.36	9,203.62	1.79	1.76	-0.35	
19,379.00	89.39	358.18	10,133.73	9,299.59	-11.47	9,299.59	2.27	-1.95	-1.17	
19,474.00	88.74	359.89	10,135.28	9,394.56	-13.07	9,394.56	1.93	-0.68	1.80	
19,569.00	89.04	359.64	10,137.12	9,489.54	-13.46	9,489.54	0.41	0.32	-0.26	
19,664.00	89.98	358.40	10,137.94	9,584.52	-15.08	9,584.53	1.64	0.99	-1.31	
19,759.00	90.04	0.04	10,137.92	9,679.50	-16.37	9,679.52	1.73	0.06	1.73	
19,854.00	90.05	359.51	10,137.84	9,774.50	-16.75	9,774.51	0.56	0.01	-0.56	
19,949.00	89.95	358.04	10,137.84	9,869.48	-18.78	9,869.49	1.55	-0.11	-1.55	
20,044.00	90.62	357.26	10,137.37	9,964.40	-22.67	9,964.41	1.08	0.71	-0.82	
20,139.00	90.64	355.78	10,136.33	10,059.21	-28.44	10,059.23	1.56	0.02	-1.56	
20,235.00	91.02	354.89	10,134.94	10,154.88	-36.25	10,154.91	1.01	0.40	-0.93	
20,295.00	90.89	354.51	10,133.94	10,214.62	-41.79	10,214.65	0.67	-0.22	-0.63	
Final Phoenix MWD Survey										
20,354.00	90.89	354.51	10,133.02	10,273.34	-47.43	10,273.38	0.00	0.00	0.00	
Projection to TD										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
161.00	161.00	0.59	0.08	First Phoenix MWD Survey	
20,295.00	10,133.94	10,214.62	-41.79	Final Phoenix MWD Survey	
20,354.00	10,133.02	10,273.34	-47.43	Projection to TD	

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

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

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505			Form C-105 Revised April 3, 2017					
WELL COMPLETION OR RECOMPLETION REPORT AND LOG								1. WELL API NO. 30-25-50328		
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)								5. Lease Name or Unit Agreement Name King Eider 12 Fed Com		
								6. Well Number: 501H		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____										
8. Name of Operator Permian Resources, LLC						9. OGRID 372165				
10. Address of Operator 1001 17th Street, Suite 1800, Denver, CO						11. Pool name or Wildcat WC-025 G-06 S203511G; BONE SPRING				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	M	12	20S	35E		200	South	330	West	Lea
BH:	4	1	20S	35E		86	North	291	West	Lea
13. Date Spudded	14. Date T.D. Reached		15. Date Rig Released			16. Date Completed (Ready to Produce)		17. Elevations (DF and RKB, RT, GR, etc.)		
7/25/22	8/23/22		8/25/22			10/18/22		3655		
18. Total Measured Depth of Well			19. Plug Back Measured Depth			20. Was Directional Survey Made?		21. Type Electric and Other Logs Run		
20,354			20,296			Yes		Gamma Ray		
22. Producing Interval(s), of this completion - Top, Bottom, Name										
10,517-20,294										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13-3/8		54.5		2133		17-1/2		1735 sx		
9-5/8		40		5512		12-1/4		942 sx		
5-1/2		20		20334		7-7/8		2020 sx		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET		PACKER SET	
						2 7/8	9585			
26. Perforation record (interval, size, and number)						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
10,517-20,294, 1,992 holes						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						10,517-20,294		24,581,676 gals slick water		
								22,775,526# 100 mesh sand		
28. PRODUCTION										
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)				
10/17/22		Gas Lift				Producing				
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio			
11/19/22	24	1		1,183	499	2,082	422			
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)				
305	100		1,183	499	2,082	36				
29. Disposition of Gas (Sold, used for fuel, vented, etc.)							30. Test Witnessed By			
Sold							Montgomery Floyd			
31. List Attachments										
C-104, Survey, C-102, Additional points required										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.							33. Rig Release Date:			
34. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude			Longitude			NAD83				
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Signature Meaghan Coughlan			Printed Name Meaghan Coughlan			Title Regulatory Tech			Date 4/11/23	
E-mail Address meaghan.coughlan@permianres.com										

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

Southeastern New Mexico			Northwestern New Mexico	
T. Anhy	T. Canyon		T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn		T. Kirtland	T. Penn. "B"
B. Salt	T. Bell Canvon	4771	T. Fruitland	T. Penn. "C"
T. Yates	T. Cherry Canyon	5624	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Manzanita Lime	5850	T. Cliff House	T. Leadville
T. Queen	T. Brushy Canyon	6963	T. Menefee	T. Madison
T. Grayburg	T. Bone Spring Lime	8728	T. Point Lookout	T. Elbert
T. San Andres	T. Avalon Shale	8878	T. Mancos	T. McCracken
T. Glorieta	T. 1st Bone Spring Sand	9797	T. Gallup	T. Ignacio Otzte
T. Paddock	T. 2nd Bone Spring Sand	10,318	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash		T. Dakota	
T. Tubb	T. Delaware Sand		T. Morrison	
T. Drinkard	T. Bone Springs		T. Todilto	
T. Abo	T.		T. Entrada	
T. Wolfcamp	T.		T. Wingate	
T. Penn	T.		T. Chinle	
T. Cisco (Bough C)	T.		T. Permian	

No. 1, from.....to.....

No. 2, from.....to.....

No. 3, from.....to.....

No. 4, from.....to.....

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

From	To	Thickness In Feet	Lithology

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 206100

ACKNOWLEDGMENTS

Operator: Permian Resources Operating, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 206100
	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.

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District III
1000 Rio Brazos Rd., Aztec, NM 87410
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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
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CONDITIONS

Action 206100

CONDITIONS

Operator: Permian Resources Operating, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 206100
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 Completion Report within 10 days to NMOCD after BLM approval.	4/17/2023