

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

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Devon Energy Production Company, L.P. 333 West Sheridan, Oklahoma City, OK 73102		² OGRID Number 6137
		³ Reason for Filing Code/ Effective Date NW / 2/23/23
⁴ API Number 30-025-50132	⁵ Pool Name WC-025 G-06 S223421L; BONE SPRING	⁶ Pool Code 97922
⁷ Property Code 316229	⁸ Property Name Rio Blanco 4-33 Fed Com	⁹ Well Number 9H

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
G	4	23S	34E		2601	North	2140	East	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
B	33	22S	34E		96	North	2007	East	Lea
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 2/23/23	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

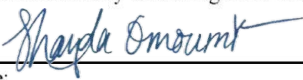
¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
174238	Enterprise 201 Park Avenue, Ste 1600 Oklahoma City, OK 73102	Oil
020809	Lucid Energy Group 3100 McKinnon St. Ste 800 Dallas, TX 75201	Gas

IV. Well Completion Data

²¹ Spud Date 8/1/22	²² Ready Date 2/23/23	²³ TD 18689	²⁴ PBDT 18,671 MD/11,262 TVD	²⁵ Perforations 11394 - 18647	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2"	13-3/8"	2186	1382 sx CH; Circ 722 sx		
12-1/4"	10-3/4"	3438	745 sx CIC; Circ 269 sx		
9-7/8"	8-5/8"	8530	731 186 sx CIC; Circ 54 sx		
7-7/8"	5-1/2"	18674	1387 sx CIC; Circ 0 sx		

V. Well Test Data

Tubing: 2-7/8"

³¹ Date New Oil 3/5/23	³² Gas Delivery Date 3/5/23	³³ Test Date 3/5/23	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure N/A	³⁶ Csg. Pressure 519 psi
³⁷ Choke Size N/A	³⁸ Oil 1758 bbl	³⁹ Water 2201 bbl	⁴⁰ Gas 296 mcf		⁴¹ Test Method flowing
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: Shayda Omoumi			Approved by:		
Title: Regulatory Compliance Professional			Title:		
E-mail Address: shayda.omoumi@dvn.com			Approval Date:		
Date: 3/21/2023		Phone: 405-552-3513			

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 3002550132	² Pool Code 97922	³ Pool Name WC-025 G-06 S223421L;BONE SPRING
⁴ Property Code 316229	⁵ Property Name RIO BLANCO 4-33 FED COM	⁶ Well Number 9H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION CO., L.P.	⁹ Elevation 3402.1

¹⁰ Surface Location

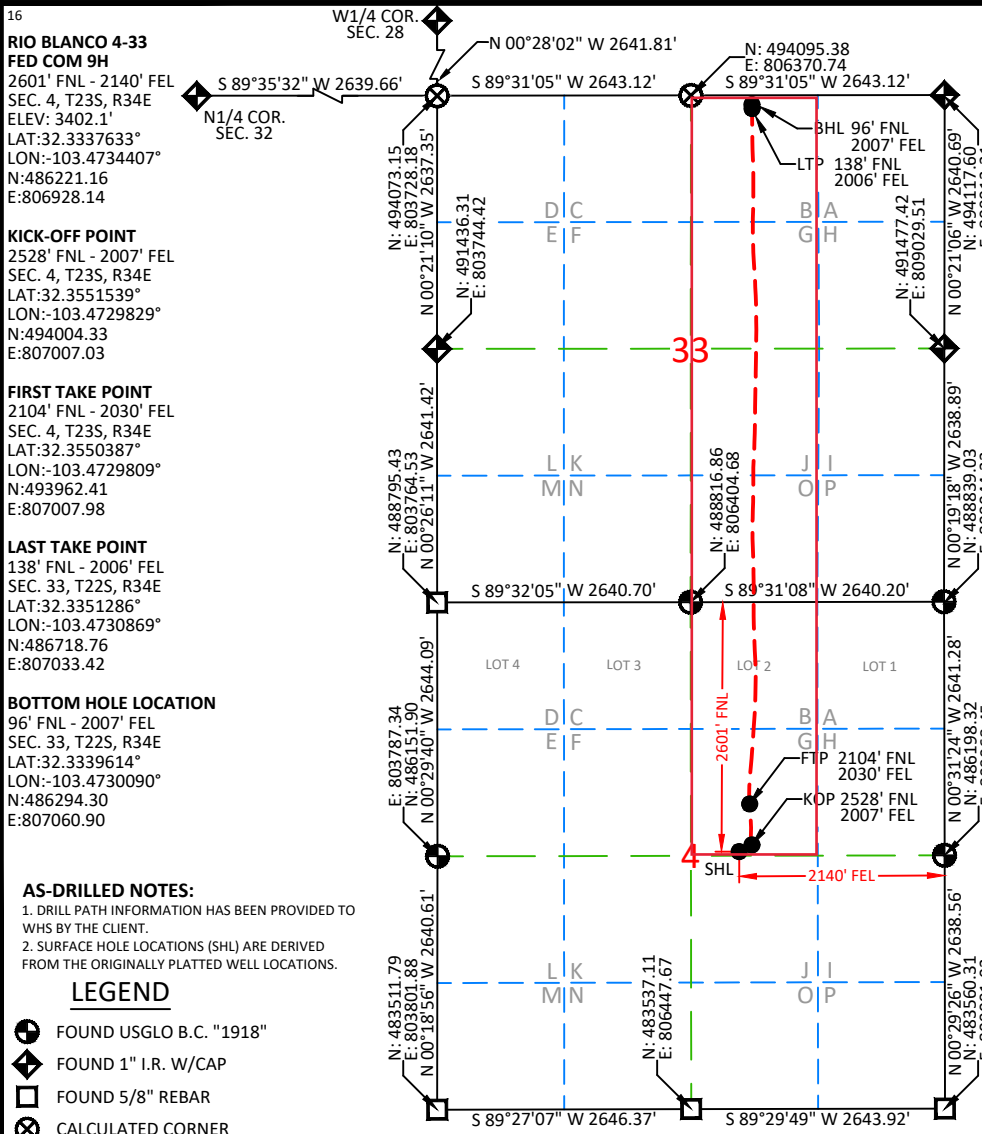
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	4	23S	34E	N/A	2601	NORTH	2140	EAST	LEA

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
B	33	22S	34E	N/A	96	NORTH	2007	EAST	LEA

¹² Dedicated Acres 240.01	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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.

Shayda Omoumi 3/7/2023
Signature Date

Shayda Omoumi

Printed Name

shayda.omoumi@dvn.com

E-mail Address

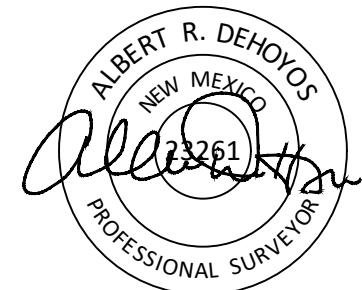
18 SURVEYOR CERTIFICATION

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.

03/02/2023

Date of Survey

Signature and Seal of Professional Surveyor:



Certificate No. 23261 Albert Dehoyos

Drawn by: JMA Checked by: ARD Date: 03/03/23

NOTES:

1. BASIS OF BEARINGS, COORDINATES AND DISTANCES ARE STATE PLANE GRID, NAD 83, NEW MEXICO EAST (3001) WITH A CONVERGENCE ANGLE OF 0°26'54.87" AND A COMBINED SCALE FACTOR OF 0.999825463 BASED ON CP TWISTER AT N: 495568.556° E: 800108.069° UNITS REPRESENTED ON THIS PLAT ARE IN US SURVEY FEET.
2. DISTANCES DEPICTED HEREON ARE REPORTED AS GROUND DISTANCES IN U.S. SURVEY FEET USING A COMBINED SCALE FACTOR OF 1.000174567
3. EXISTING GROUND ELEVATIONS SHOWN IN NAVD88 USING THE 12B GEOID..

Intent ☐ As Drilled ☒

API # 3002550132		
Operator Name: DEVON ENERGY PRODUCTION CO., L.P.	Property Name: RIO BLANCO 4-33 FED COM	Well Number 9H

Kick Off Point (KOP)

UL G	Section 4	Township 23S	Range 34E	Lot N/A	Feet 2528	From N/S NORTH	Feet 2007	From E/W EAST	County LEA
Latitude 32.3551539°					Longitude -103.4729829°			NAD 83	

First Take Point (FTP)

UL G	Section 4	Township 23S	Range 34E	Lot N/A	Feet 2104	From N/S NORTH	Feet 2030	From E/W EAST	County LEA
Latitude 32.3550387°					Longitude -103.4729809°			NAD 83	

Last Take Point (LTP)

UL B	Section 33	Township 22S	Range 34E	Lot N/A	Feet 138	From N/S NORTH	Feet 2006	From E/W EAST	County LEA
Latitude 32.3351286°					Longitude -103.4730869°			NAD 83	

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

If infill is yes 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



Devon Energy

Lea County, NM (NAD83 NME)

Rio Blanco 4-33

Rio Blanco 4-33 Fed Com 9H

OH Wellbore

Survey: Survey #1

Standard Survey Report

31 August, 2022



www.scientificdrilling.com





Scientific Drilling

Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well Rio Blanco 4-33 Fed Com 9H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 265 3402 GL 26 KB @ 3428.00usft (Original Well Elev)
Site:	Rio Blanco 4-33	MD Reference:	HP 265 3402 GL 26 KB @ 3428.00usft (Original Well Elev)
Well:	Rio Blanco 4-33 Fed Com 9H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Project	Lea County, NM (NAD83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Rio Blanco 4-33, Site Center : Rio Blanco 4-33 Fed Com 10H			
Site Position:		Northing:	486,220.89 usft	Latitude: 32.333763
From:	Map	Easting:	806,898.14 usft	Longitude: -103.473538
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.46 °

Well	Rio Blanco 4-33 Fed Com 9H			
Well Position	+N/-S	0.00 usft	Northing:	486,221.16 usft
	+E/-W	0.00 usft	Easting:	806,928.14 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	3,428.00 usft	Ground Level: 3,402.00 usft

Wellbore	OH Wellbore				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2021_FILE	12/31/2021	6.38	59.95	47,705.00000000

Design	As Drilled				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	0.78	

Survey Program	Date	8/31/2022			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
200.00	18,689.00	Survey #1 (OH Wellbore)	MWD+HDGM	OWSG MWD + HDGM	

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	
200.00	0.51	242.10	200.00	-0.42	-0.79	-0.43	0.26	0.26	0.00	
231.00	0.62	234.98	231.00	-0.58	-1.05	-0.59	0.42	0.35	-22.97	
325.00	0.72	220.52	324.99	-1.32	-1.85	-1.34	0.21	0.11	-15.38	
418.00	0.75	222.44	417.98	-2.21	-2.64	-2.25	0.04	0.03	2.06	
512.00	0.96	236.10	511.97	-3.10	-3.71	-3.15	0.31	0.22	14.53	
606.00	1.37	230.34	605.95	-4.26	-5.22	-4.33	0.45	0.44	-6.13	
699.00	1.43	236.33	698.92	-5.61	-7.05	-5.71	0.17	0.06	6.44	
795.00	1.22	282.10	794.90	-6.06	-9.04	-6.19	1.09	-0.22	47.68	

Scientific Drilling

Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well Rio Blanco 4-33 Fed Com 9H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 265 3402 GL 26 KB @ 3428.00usft (Original Well Elev)
Site:	Rio Blanco 4-33	MD Reference:	HP 265 3402 GL 26 KB @ 3428.00usft (Original Well Elev)
Well:	Rio Blanco 4-33 Fed Com 9H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

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)
891.00	1.14	277.89	890.88	-5.72	-10.99	-5.87	0.12	-0.08	-4.39
986.00	1.03	296.72	985.86	-5.20	-12.69	-5.38	0.39	-0.12	19.82
1,081.00	0.61	307.29	1,080.85	-4.51	-13.85	-4.70	0.47	-0.44	11.13
1,176.00	0.69	255.32	1,175.85	-4.35	-14.81	-4.55	0.60	0.08	-54.71
1,272.00	0.19	333.36	1,271.85	-4.36	-15.44	-4.57	0.70	-0.52	81.29
1,367.00	1.15	39.24	1,366.84	-3.48	-14.90	-3.68	1.14	1.01	69.35
1,463.00	1.51	53.02	1,462.81	-1.97	-13.28	-2.15	0.50	0.38	14.35
1,558.00	1.90	42.75	1,557.77	-0.06	-11.22	-0.21	0.52	0.41	-10.81
1,654.00	1.97	40.05	1,653.72	2.37	-9.07	2.25	0.12	0.07	-2.81
1,750.00	1.79	41.37	1,749.66	4.76	-7.02	4.66	0.19	-0.19	1.38
1,846.00	1.89	42.38	1,845.62	7.05	-4.96	6.98	0.11	0.10	1.05
1,942.00	2.24	42.59	1,941.55	9.60	-2.63	9.57	0.36	0.36	0.22
2,038.00	2.63	45.17	2,037.47	12.54	0.21	12.54	0.42	0.41	2.69
2,100.00	2.53	41.66	2,099.40	14.56	2.12	14.59	0.30	-0.16	-5.66
2,230.00	2.77	44.47	2,229.26	18.95	6.23	19.03	0.21	0.18	2.16
2,326.00	3.57	55.13	2,325.12	22.31	10.31	22.45	1.03	0.83	11.10
2,421.00	4.64	60.25	2,419.87	25.91	16.07	26.13	1.19	1.13	5.39
2,517.00	5.02	58.67	2,515.53	30.02	23.03	30.33	0.42	0.40	-1.65
2,612.00	5.72	54.50	2,610.11	34.93	30.44	35.34	0.84	0.74	-4.39
2,708.00	5.45	53.88	2,705.66	40.40	38.01	40.91	0.29	-0.28	-0.65
2,803.00	5.54	54.66	2,800.22	45.71	45.40	46.32	0.12	0.09	0.82
2,898.00	6.38	59.10	2,894.71	51.07	53.67	51.80	1.01	0.88	4.67
2,993.00	6.10	58.21	2,989.15	56.44	62.49	57.29	0.31	-0.29	-0.94
3,089.00	5.93	58.15	3,084.62	61.75	71.03	62.71	0.18	-0.18	-0.06
3,184.00	5.37	57.72	3,179.15	66.71	78.96	67.78	0.59	-0.59	-0.45
3,280.00	4.53	64.23	3,274.80	70.76	86.17	71.92	1.05	-0.88	6.78
3,375.00	4.01	63.21	3,369.53	73.88	92.52	75.14	0.55	-0.55	-1.07
3,470.00	3.52	59.80	3,464.33	76.85	98.00	78.18	0.57	-0.52	-3.59
3,565.00	3.32	59.72	3,559.16	79.70	102.90	81.10	0.21	-0.21	-0.08
3,661.00	3.32	57.48	3,655.00	82.60	107.64	84.06	0.14	0.00	-2.33
3,756.00	3.24	59.07	3,749.84	85.46	112.27	86.98	0.13	-0.08	1.67
3,851.00	3.10	58.51	3,844.70	88.18	116.76	89.76	0.15	-0.15	-0.59
3,946.00	3.11	60.51	3,939.56	90.79	121.19	92.43	0.11	0.01	2.11
4,042.00	3.59	66.31	4,035.39	93.28	126.21	94.99	0.61	0.50	6.04
4,137.00	3.11	75.37	4,130.23	95.13	131.43	96.91	0.75	-0.51	9.54
4,233.00	3.11	74.41	4,226.09	96.48	136.46	98.33	0.05	0.00	-1.00
4,327.00	3.33	77.36	4,319.94	97.77	141.58	99.68	0.29	0.23	3.14
4,422.00	3.51	80.52	4,414.77	98.85	147.14	100.84	0.27	0.19	3.33
4,518.00	3.62	81.00	4,510.59	99.81	153.03	101.88	0.12	0.11	0.50
4,613.00	1.45	87.30	4,605.49	100.33	157.19	102.46	2.30	-2.28	6.63
4,709.00	0.77	90.45	4,701.47	100.38	159.05	102.54	0.71	-0.71	3.28
4,804.00	0.68	88.33	4,796.46	100.40	160.25	102.57	0.10	-0.09	-2.23

Scientific Drilling

Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well Rio Blanco 4-33 Fed Com 9H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 265 3402 GL 26 KB @ 3428.00usft (Original Well Elev)
Site:	Rio Blanco 4-33	MD Reference:	HP 265 3402 GL 26 KB @ 3428.00usft (Original Well Elev)
Well:	Rio Blanco 4-33 Fed Com 9H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

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)
4,900.00	0.96	90.81	4,892.45	100.40	161.63	102.59	0.29	0.29	2.58
4,995.00	0.74	78.17	4,987.44	100.52	163.02	102.73	0.30	-0.23	-13.31
5,091.00	0.74	92.07	5,083.43	100.62	164.25	102.85	0.19	0.00	14.48
5,186.00	0.85	88.58	5,178.42	100.62	165.57	102.86	0.13	0.12	-3.67
5,282.00	0.79	84.32	5,274.41	100.70	166.94	102.96	0.09	-0.06	-4.44
5,377.00	0.14	36.11	5,369.41	100.86	167.66	103.13	0.74	-0.68	-50.75
5,472.00	0.55	295.26	5,464.41	101.15	167.31	103.41	0.62	0.43	-106.16
5,567.00	0.62	298.08	5,559.40	101.58	166.45	103.84	0.08	0.07	2.97
5,663.00	0.79	283.82	5,655.40	101.98	165.35	104.23	0.25	0.18	-14.85
5,758.00	0.94	273.23	5,750.39	102.19	163.93	104.41	0.23	0.16	-11.15
5,854.00	1.08	276.20	5,846.37	102.33	162.25	104.53	0.16	0.15	3.09
5,949.00	1.01	278.08	5,941.36	102.54	160.53	104.72	0.08	-0.07	1.98
6,044.00	1.19	275.98	6,036.34	102.76	158.72	104.91	0.19	0.19	-2.21
6,139.00	1.22	272.67	6,131.32	102.91	156.73	105.04	0.08	0.03	-3.48
6,235.00	1.31	270.00	6,227.29	102.96	154.61	105.05	0.11	0.09	-2.78
6,330.00	1.31	275.25	6,322.27	103.06	152.44	105.12	0.13	0.00	5.53
6,426.00	1.32	272.00	6,418.24	103.20	150.24	105.23	0.08	0.01	-3.39
6,521.00	1.31	269.19	6,513.22	103.22	148.06	105.23	0.07	-0.01	-2.96
6,616.00	1.32	276.30	6,608.19	103.33	145.89	105.30	0.17	0.01	7.48
6,711.00	0.81	232.06	6,703.18	103.03	144.27	104.99	0.98	-0.54	-46.57
6,807.00	1.01	178.16	6,799.17	101.77	143.77	103.72	0.88	0.21	-56.15
6,902.00	1.05	180.71	6,894.15	100.06	143.78	102.01	0.06	0.04	2.68
6,997.00	0.98	184.55	6,989.14	98.38	143.71	100.33	0.10	-0.07	4.04
7,093.00	0.99	198.25	7,085.12	96.78	143.38	98.72	0.24	0.01	14.27
7,188.00	0.98	195.03	7,180.11	95.21	142.91	97.15	0.06	-0.01	-3.39
7,283.00	1.14	194.96	7,275.09	93.51	142.46	95.45	0.17	0.17	-0.07
7,378.00	1.10	196.81	7,370.07	91.73	141.95	93.65	0.06	-0.04	1.95
7,474.00	1.12	209.51	7,466.06	90.03	141.22	91.94	0.26	0.02	13.23
7,569.00	0.86	196.93	7,561.04	88.54	140.56	90.45	0.36	-0.27	-13.24
7,665.00	0.94	201.00	7,657.03	87.12	140.07	89.01	0.11	0.08	4.24
7,761.00	0.87	204.82	7,753.02	85.72	139.48	87.61	0.10	-0.07	3.98
7,856.00	0.91	192.81	7,848.01	84.33	139.01	86.21	0.20	0.04	-12.64
7,951.00	0.87	207.08	7,943.00	82.95	138.51	84.83	0.24	-0.04	15.02
8,047.00	0.88	204.56	8,038.99	81.63	137.87	83.50	0.04	0.01	-2.63
8,142.00	0.83	214.03	8,133.97	80.40	137.19	82.26	0.16	-0.05	9.97
8,237.00	0.74	208.03	8,228.97	79.29	136.51	81.14	0.13	-0.09	-6.32
8,333.00	0.62	197.39	8,324.96	78.24	136.07	80.09	0.18	-0.13	-11.08
8,428.00	0.56	194.91	8,419.95	77.30	135.79	79.15	0.07	-0.06	-2.61
8,477.00	0.69	196.50	8,468.95	76.79	135.65	78.63	0.27	0.27	3.24
8,624.00	0.74	181.62	8,615.94	74.99	135.37	76.83	0.13	0.03	-10.12
8,719.00	0.81	177.60	8,710.93	73.71	135.38	75.54	0.09	0.07	-4.23
8,815.00	1.21	197.52	8,806.92	72.06	135.10	73.90	0.55	0.42	20.75



Scientific Drilling Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well Rio Blanco 4-33 Fed Com 9H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 265 3402 GL 26 KB @ 3428.00usft (Original Well Elev)
Site:	Rio Blanco 4-33	MD Reference:	HP 265 3402 GL 26 KB @ 3428.00usft (Original Well Elev)
Well:	Rio Blanco 4-33 Fed Com 9H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

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)
8,910.00	0.96	178.40	8,901.90	70.31	134.82	72.14	0.46	-0.26	-20.13
9,005.00	0.86	113.23	8,996.89	69.23	135.50	71.07	1.04	-0.11	-68.60
9,101.00	2.43	106.66	9,092.85	68.37	138.11	70.24	1.64	1.64	-6.84
9,196.00	1.79	102.26	9,187.78	67.47	141.49	69.39	0.69	-0.67	-4.63
9,291.00	1.37	116.66	9,282.75	66.65	143.96	68.60	0.61	-0.44	15.16
9,386.00	0.95	113.52	9,377.73	65.83	145.69	67.80	0.45	-0.44	-3.31
9,481.00	1.50	284.24	9,472.72	65.82	145.21	67.79	2.57	0.58	179.71
9,577.00	1.46	279.80	9,568.69	66.33	142.79	68.27	0.13	-0.04	-4.63
9,672.00	0.64	292.56	9,663.67	66.74	141.11	68.66	0.89	-0.86	13.43
9,768.00	0.60	312.13	9,759.66	67.29	140.24	69.19	0.22	-0.04	20.39
9,863.00	0.75	9.87	9,854.66	68.23	139.97	70.13	0.70	0.16	60.78
9,958.00	0.57	43.11	9,949.65	69.19	140.40	71.10	0.44	-0.19	34.99
10,053.00	0.18	90.97	10,044.65	69.53	140.88	71.44	0.49	-0.41	50.38
10,148.00	0.61	34.48	10,139.65	69.95	141.31	71.87	0.56	0.45	-59.46
10,244.00	1.83	67.08	10,235.63	70.97	143.01	72.91	1.41	1.27	33.96
10,339.00	0.40	160.85	10,330.61	71.24	144.52	73.20	2.00	-1.51	98.71
10,434.00	0.32	230.34	10,425.61	70.76	144.42	72.72	0.44	-0.08	73.15
10,530.00	2.19	269.61	10,521.58	70.58	142.38	72.51	2.03	1.95	40.91
10,625.00	3.31	274.30	10,616.47	70.77	137.83	72.64	1.20	1.18	4.94
10,730.00	7.85	303.63	10,720.96	74.97	128.83	76.72	4.97	4.32	27.93
10,826.00	16.34	351.71	10,814.95	92.03	121.40	93.68	13.02	8.84	50.08
10,921.00	28.44	359.35	10,902.64	128.02	119.21	129.63	13.07	12.74	8.04
11,016.00	41.50	4.47	10,980.34	182.26	121.41	183.90	14.08	13.75	5.39
11,111.00	51.53	357.94	11,045.67	251.02	122.53	252.67	11.67	10.56	-6.87
11,207.00	58.65	357.28	11,100.57	329.63	119.23	331.22	7.44	7.42	-0.69
11,302.00	64.13	354.89	11,146.05	412.79	113.50	414.30	6.18	5.77	-2.52
11,397.00	71.15	354.06	11,182.17	500.18	105.03	501.56	7.43	7.39	-0.87
11,492.00	82.80	359.32	11,203.55	592.39	99.79	593.70	13.39	12.26	5.54
11,588.00	87.55	3.04	11,211.63	687.99	101.77	689.31	6.28	4.95	3.88
11,683.00	90.47	3.80	11,213.27	782.79	107.44	784.18	3.18	3.07	0.80
11,778.00	89.97	4.76	11,212.91	877.53	114.53	879.00	1.14	-0.53	1.01
11,873.00	88.86	4.43	11,213.88	972.21	122.14	973.79	1.22	-1.17	-0.35
11,968.00	91.18	4.14	11,213.84	1,066.94	129.24	1,068.60	2.46	2.44	-0.31
12,064.00	89.19	3.05	11,213.53	1,162.75	135.26	1,164.48	2.36	-2.07	-1.14
12,159.00	89.83	3.48	11,214.35	1,257.59	140.67	1,259.39	0.81	0.67	0.45
12,255.00	89.33	3.16	11,215.05	1,353.42	146.23	1,355.29	0.62	-0.52	-0.33
12,350.00	89.63	3.91	11,215.91	1,448.24	152.08	1,450.18	0.85	0.32	0.79
12,445.00	88.96	1.11	11,217.08	1,543.13	156.24	1,545.11	3.03	-0.71	-2.95
12,541.00	86.78	0.58	11,220.65	1,639.05	157.66	1,641.04	2.34	-2.27	-0.55
12,636.00	89.66	0.86	11,223.60	1,733.98	158.85	1,735.99	3.05	3.03	0.29
12,731.00	92.25	359.42	11,222.02	1,828.96	159.08	1,830.96	3.12	2.73	-1.52
12,820.00	91.07	358.01	11,219.44	1,917.90	157.09	1,919.86	2.07	-1.33	-1.58



Scientific Drilling Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well Rio Blanco 4-33 Fed Com 9H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 265 3402 GL 26 KB @ 3428.00usft (Original Well Elev)
Site:	Rio Blanco 4-33	MD Reference:	HP 265 3402 GL 26 KB @ 3428.00usft (Original Well Elev)
Well:	Rio Blanco 4-33 Fed Com 9H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

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)	
12,910.00	90.81	357.21	11,217.96	2,007.81	153.34	2,009.71	0.93	-0.29	-0.89	
13,000.00	90.67	356.84	11,216.80	2,097.68	148.66	2,099.51	0.44	-0.16	-0.41	
13,089.00	90.00	357.16	11,216.28	2,186.55	144.01	2,188.31	0.83	-0.75	0.36	
13,179.00	90.00	357.70	11,216.28	2,276.46	139.97	2,278.16	0.60	0.00	0.60	
13,269.00	89.40	357.28	11,216.75	2,366.37	136.03	2,368.01	0.81	-0.67	-0.47	
13,358.00	88.25	359.47	11,218.57	2,455.31	133.51	2,456.90	2.78	-1.29	2.46	
13,448.00	86.38	359.37	11,222.79	2,545.20	132.60	2,546.77	2.08	-2.08	-0.11	
13,504.19	86.57	359.71	11,226.25	2,601.29	132.15	2,602.84	0.69	0.34	0.61	
CSL Sec 4 into 33 - 13504.19 MD 11226.25 TVD										
13,537.00	86.68	359.91	11,228.18	2,634.04	132.04	2,635.59	0.69	0.34	0.61	
13,627.00	89.97	0.13	11,230.81	2,723.99	132.07	2,725.53	3.66	3.66	0.24	
13,716.00	90.10	359.02	11,230.75	2,812.98	131.41	2,814.51	1.26	0.15	-1.25	
13,806.00	89.63	358.12	11,230.97	2,902.96	129.16	2,904.44	1.13	-0.52	-1.00	
13,896.00	91.58	358.71	11,230.02	2,992.91	126.67	2,994.36	2.26	2.17	0.66	
13,985.00	92.28	357.81	11,227.02	3,081.82	123.97	3,083.22	1.28	0.79	-1.01	
14,075.00	92.25	357.61	11,223.46	3,171.68	120.38	3,173.02	0.22	-0.03	-0.22	
14,164.00	91.51	357.99	11,220.54	3,260.56	116.97	3,261.85	0.93	-0.83	0.43	
14,190.00	91.48	357.44	11,219.86	3,286.53	115.93	3,287.81	2.12	-0.12	-2.12	
14,279.00	90.81	0.63	11,218.08	3,375.49	114.43	3,376.73	3.66	-0.75	3.58	
14,369.00	90.34	1.67	11,217.18	3,465.47	116.24	3,466.73	1.27	-0.52	1.16	
14,459.00	89.23	1.18	11,217.52	3,555.44	118.48	3,556.72	1.35	-1.23	-0.54	
14,548.00	88.89	0.81	11,218.98	3,644.41	120.02	3,645.71	0.56	-0.38	-0.42	
14,638.00	88.52	0.79	11,221.01	3,734.38	121.28	3,735.68	0.41	-0.41	-0.02	
14,728.00	88.52	359.47	11,223.34	3,824.35	121.48	3,825.64	1.47	0.00	-1.47	
14,817.00	89.26	358.83	11,225.06	3,913.32	120.16	3,914.59	1.10	0.83	-0.72	
14,907.00	89.43	1.46	11,226.09	4,003.30	120.39	4,004.57	2.93	0.19	2.92	
14,996.00	89.23	2.46	11,227.13	4,092.24	123.43	4,093.55	1.15	-0.22	1.12	
15,086.00	89.46	2.33	11,228.16	4,182.16	127.19	4,183.50	0.29	0.26	-0.14	
15,175.00	89.23	1.42	11,229.18	4,271.11	130.11	4,272.48	1.05	-0.26	-1.02	
15,265.00	89.36	1.20	11,230.28	4,361.07	132.16	4,362.47	0.28	0.14	-0.24	
15,355.00	90.00	0.72	11,230.79	4,451.06	133.67	4,452.47	0.89	0.71	-0.53	
15,444.00	90.34	0.20	11,230.52	4,540.06	134.39	4,541.47	0.70	0.38	-0.58	
15,534.00	90.97	359.56	11,229.49	4,630.05	134.20	4,631.45	1.00	0.70	-0.71	
15,623.00	89.46	1.14	11,229.16	4,719.04	134.74	4,720.44	2.46	-1.70	1.78	
15,713.00	89.23	0.68	11,230.19	4,809.02	136.17	4,810.43	0.57	-0.26	-0.51	
15,802.00	90.10	0.66	11,230.71	4,898.02	137.21	4,899.43	0.98	0.98	-0.02	
15,892.00	90.27	359.90	11,230.42	4,988.01	137.65	4,989.43	0.87	0.19	-0.84	
15,982.00	89.43	0.45	11,230.65	5,078.01	137.93	5,079.42	1.12	-0.93	0.61	
16,071.00	89.33	0.92	11,231.62	5,167.00	138.99	5,168.41	0.54	-0.11	0.53	
16,161.00	89.43	0.62	11,232.59	5,256.99	140.20	5,258.41	0.35	0.11	-0.33	
16,250.00	88.16	0.18	11,234.46	5,345.96	140.82	5,347.38	1.51	-1.43	-0.49	
16,340.00	88.25	359.60	11,237.28	5,435.92	140.65	5,437.33	0.65	0.10	-0.64	



Scientific Drilling

Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well Rio Blanco 4-33 Fed Com 9H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 265 3402 GL 26 KB @ 3428.00usft (Original Well Elev)
Site:	Rio Blanco 4-33	MD Reference:	HP 265 3402 GL 26 KB @ 3428.00usft (Original Well Elev)
Well:	Rio Blanco 4-33 Fed Com 9H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

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)	
16,430.00	89.03	359.29	11,239.42	5,525.89	139.78	5,527.28	0.93	0.87	-0.34	
16,519.00	89.76	358.36	11,240.36	5,614.86	137.95	5,616.22	1.33	0.82	-1.04	
16,609.00	90.10	358.16	11,240.47	5,704.82	135.22	5,706.13	0.44	0.38	-0.22	
16,699.00	89.97	357.52	11,240.41	5,794.76	131.83	5,796.01	0.73	-0.14	-0.71	
16,788.00	90.13	356.59	11,240.34	5,883.64	127.25	5,884.82	1.06	0.18	-1.04	
16,878.00	87.85	356.91	11,241.92	5,973.47	122.15	5,974.58	2.56	-2.53	0.36	
16,968.00	87.98	356.06	11,245.20	6,063.24	116.64	6,064.27	0.95	0.14	-0.94	
17,057.00	88.19	355.56	11,248.17	6,151.96	110.14	6,152.88	0.61	0.24	-0.56	
17,147.00	88.52	357.46	11,250.75	6,241.75	104.66	6,242.59	2.14	0.37	2.11	
17,236.00	88.69	358.31	11,252.92	6,330.66	101.38	6,331.45	0.97	0.19	0.96	
17,326.00	88.89	357.78	11,254.82	6,420.59	98.31	6,421.33	0.63	0.22	-0.59	
17,415.00	89.60	359.78	11,255.99	6,509.55	96.41	6,510.26	2.38	0.80	2.25	
17,505.00	89.66	1.00	11,256.58	6,599.55	97.03	6,600.26	1.36	0.07	1.36	
17,595.00	89.93	0.76	11,256.90	6,689.54	98.41	6,690.26	0.40	0.30	-0.27	
17,684.00	89.87	0.00	11,257.05	6,778.53	99.00	6,779.25	0.86	-0.07	-0.85	
17,774.00	89.60	0.60	11,257.47	6,868.53	99.47	6,869.25	0.73	-0.30	0.67	
17,865.00	89.90	359.34	11,257.87	6,959.53	99.42	6,960.24	1.42	0.33	-1.38	
17,954.00	90.07	359.02	11,257.89	7,048.52	98.15	7,049.20	0.41	0.19	-0.36	
18,044.00	90.00	358.15	11,257.83	7,138.49	95.93	7,139.13	0.97	-0.08	-0.97	
18,134.00	90.37	357.69	11,257.54	7,228.43	92.66	7,229.02	0.66	0.41	-0.51	
18,223.00	90.50	356.99	11,256.87	7,317.33	88.53	7,317.86	0.80	0.15	-0.79	
18,313.00	89.66	359.01	11,256.74	7,407.27	85.39	7,407.75	2.43	-0.93	2.24	
18,402.00	89.23	359.22	11,257.60	7,496.26	84.02	7,496.70	0.54	-0.48	0.24	
18,492.00	88.96	359.36	11,259.03	7,586.24	82.90	7,586.66	0.34	-0.30	0.16	
18,582.00	89.06	358.65	11,260.58	7,676.21	81.34	7,676.61	0.80	0.11	-0.79	
18,627.00	89.26	358.70	11,261.24	7,721.19	80.30	7,721.57	0.46	0.44	0.11	
18,685.29	89.26	358.70	11,261.99	7,779.46	78.97	7,779.82	0.00	0.00	0.00	
LTP 100 FNL - 18685.29 MD 11261.99 TVD										
18,689.00	89.26	358.70	11,262.04	7,783.17	78.89	7,783.52	0.00	0.00	0.00	
Actual BH: 96.5 FNL 2007.3 FEL - 18689 MD 11262.04 TVD - Y-494004.33 X-807007.03 - 32.355154°N 103.472983°W										

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
13,504.19	11,226.25	2,601.29	132.15	CSL Sec 4 into 33	
13,504.19	11,226.25	2,601.29	132.15	13504.19 MD 11226.25 TVD	
18,685.29	11,261.99	7,779.46	78.97	LTP 100 FNL	
18,685.29	11,261.99	7,779.46	78.97	18685.29 MD 11261.99 TVD	
18,689.00	11,262.04	7,783.17	78.89	Actual BH: 96.5 FNL 2007.3 FEL	
18,689.00	11,262.04	7,783.17	78.89	18689 MD 11262.04 TVD	
18,689.00	11,262.04	7,783.17	78.89	Y-494004.33 X-807007.03	
18,689.00	11,262.04	7,783.17	78.89	32.355154°N 103.472983°W	



Company:	Devon Energy	Local Co-ordinate Reference:	Well Rio Blanco 4-33 Fed Com 9H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 265 3402 GL 26 KB @ 3428.00usft (Original Well Elev)
Site:	Rio Blanco 4-33	MD Reference:	HP 265 3402 GL 26 KB @ 3428.00usft (Original Well Elev)
Well:	Rio Blanco 4-33 Fed Com 9H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Checked By: _____

Approved By: _____

Date: _____



Devon Energy

Lea County, NM (NAD83 NME)

Rio Blanco 4-33

Rio Blanco 4-33 Fed Com 9H

OH Wellbore

Survey: Survey #1

Survey Report - Geographic

31 August, 2022



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Scientific Drilling
Survey Report - Geographic



Company:	Devon Energy	Local Co-ordinate Reference:	Well Rio Blanco 4-33 Fed Com 9H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 265 3402 GL 26 KB @ 3428.00usft (Original Well Elev)
Site:	Rio Blanco 4-33	MD Reference:	HP 265 3402 GL 26 KB @ 3428.00usft (Original Well Elev)
Well:	Rio Blanco 4-33 Fed Com 9H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Project	Lea County, NM (NAD83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Rio Blanco 4-33, Site Center : Rio Blanco 4-33 Fed Com 10H			
Site Position:		Northing:	486,220.89 usft	Latitude: 32.333763
From:	Map	Easting:	806,898.14 usft	Longitude: -103.473538
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.46 °

Well	Rio Blanco 4-33 Fed Com 9H			
Well Position	+N/-S	0.00 usft	Northing:	486,221.16 usft
	+E/-W	0.00 usft	Easting:	806,928.14 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	3,428.00 usft	Ground Level: 3,402.00 usft

Wellbore	OH Wellbore				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2021_FILE	12/31/2021	6.38	59.95	47,705.00000000

Design	As Drilled				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	0.78	

Survey Program	Date	8/31/2022			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
200.00	18,689.00	Survey #1 (OH Wellbore)	MWD+HDGM	OWSG MWD + HDGM	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
0.00	0.00	0.00	0.00	0.00	0.00	486,221.16	806,928.14	32.333763	-103.473441	
200.00	0.51	242.10	200.00	-0.42	-0.79	486,220.74	806,927.35	32.333762	-103.473444	
231.00	0.62	234.98	231.00	-0.58	-1.05	486,220.58	806,927.09	32.333762	-103.473444	
325.00	0.72	220.52	324.99	-1.32	-1.85	486,219.84	806,926.29	32.333760	-103.473447	
418.00	0.75	222.44	417.98	-2.21	-2.64	486,218.95	806,925.50	32.333757	-103.473450	
512.00	0.96	236.10	511.97	-3.10	-3.71	486,218.06	806,924.43	32.333755	-103.473453	
606.00	1.37	230.34	605.95	-4.26	-5.22	486,216.90	806,922.91	32.333752	-103.473458	
699.00	1.43	236.33	698.92	-5.61	-7.05	486,215.55	806,921.09	32.333748	-103.473464	
795.00	1.22	282.10	794.90	-6.06	-9.04	486,215.10	806,919.10	32.333747	-103.473470	
891.00	1.14	277.89	890.88	-5.72	-10.99	486,215.44	806,917.15	32.333748	-103.473477	



Scientific Drilling

Survey Report - Geographic



Company:	Devon Energy	Local Co-ordinate Reference:	Well Rio Blanco 4-33 Fed Com 9H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 265 3402 GL 26 KB @ 3428.00usft (Original Well Elev)
Site:	Rio Blanco 4-33	MD Reference:	HP 265 3402 GL 26 KB @ 3428.00usft (Original Well Elev)
Well:	Rio Blanco 4-33 Fed Com 9H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
986.00	1.03	296.72	985.86	-5.20	-12.69	486,215.96	806,915.45	32.333749	-103.473482
1,081.00	0.61	307.29	1,080.85	-4.51	-13.85	486,216.65	806,914.29	32.333751	-103.473486
1,176.00	0.69	255.32	1,175.85	-4.35	-14.81	486,216.81	806,913.33	32.333752	-103.473489
1,272.00	0.19	333.36	1,271.85	-4.36	-15.44	486,216.80	806,912.70	32.333752	-103.473491
1,367.00	1.15	39.24	1,366.84	-3.48	-14.90	486,217.68	806,913.23	32.333754	-103.473489
1,463.00	1.51	53.02	1,462.81	-1.97	-13.28	486,219.19	806,914.85	32.333758	-103.473484
1,558.00	1.90	42.75	1,557.77	-0.06	-11.22	486,221.10	806,916.92	32.333763	-103.473477
1,654.00	1.97	40.05	1,653.72	2.37	-9.07	486,223.53	806,919.06	32.333770	-103.473470
1,750.00	1.79	41.37	1,749.66	4.76	-7.02	486,225.92	806,921.12	32.333777	-103.473464
1,846.00	1.89	42.38	1,845.62	7.05	-4.96	486,228.21	806,923.17	32.333783	-103.473457
1,942.00	2.24	42.59	1,941.55	9.60	-2.63	486,230.76	806,925.51	32.333790	-103.473449
2,038.00	2.63	45.17	2,037.47	12.54	0.21	486,233.70	806,928.34	32.333798	-103.473440
2,100.00	2.53	41.66	2,099.40	14.56	2.12	486,235.72	806,930.26	32.333803	-103.473434
2,230.00	2.77	44.47	2,229.26	18.95	6.23	486,240.11	806,934.37	32.333815	-103.473420
2,326.00	3.57	55.13	2,325.12	22.31	10.31	486,243.47	806,938.45	32.333824	-103.473407
2,421.00	4.64	60.25	2,419.87	25.91	16.07	486,247.07	806,944.21	32.333834	-103.473388
2,517.00	5.02	58.67	2,515.53	30.02	23.03	486,251.18	806,951.17	32.333845	-103.473366
2,612.00	5.72	54.50	2,610.11	34.93	30.44	486,256.09	806,958.57	32.333859	-103.473342
2,708.00	5.45	53.88	2,705.66	40.40	38.01	486,261.56	806,966.15	32.333874	-103.473317
2,803.00	5.54	54.66	2,800.22	45.71	45.40	486,266.87	806,973.54	32.333888	-103.473293
2,898.00	6.38	59.10	2,894.71	51.07	53.67	486,272.23	806,981.81	32.333903	-103.473266
2,993.00	6.10	58.21	2,989.15	56.44	62.49	486,277.60	806,990.63	32.333917	-103.473237
3,089.00	5.93	58.15	3,084.62	61.75	71.03	486,282.91	806,999.17	32.333932	-103.473209
3,184.00	5.37	57.72	3,179.15	66.71	78.96	486,287.87	807,007.10	32.333945	-103.473184
3,280.00	4.53	64.23	3,274.80	70.76	86.17	486,291.92	807,014.31	32.333956	-103.473160
3,375.00	4.01	63.21	3,369.53	73.88	92.52	486,295.05	807,020.66	32.333964	-103.473140
3,470.00	3.52	59.80	3,464.33	76.85	98.00	486,298.01	807,026.14	32.333972	-103.473122
3,565.00	3.32	59.72	3,559.16	79.70	102.90	486,300.86	807,031.04	32.333980	-103.473106
3,661.00	3.32	57.48	3,655.00	82.60	107.64	486,303.76	807,035.78	32.333988	-103.473090
3,756.00	3.24	59.07	3,749.84	85.46	112.27	486,306.62	807,040.40	32.333996	-103.473075
3,851.00	3.10	58.51	3,844.70	88.18	116.76	486,309.34	807,044.90	32.334003	-103.473061
3,946.00	3.11	60.51	3,939.56	90.79	121.19	486,311.95	807,049.33	32.334010	-103.473046
4,042.00	3.59	66.31	4,035.39	93.28	126.21	486,314.44	807,054.35	32.334017	-103.473030
4,137.00	3.11	75.37	4,130.23	95.13	131.43	486,316.29	807,059.57	32.334022	-103.473013
4,233.00	3.11	74.41	4,226.09	96.48	136.46	486,317.64	807,064.60	32.334026	-103.472997
4,327.00	3.33	77.36	4,319.94	97.77	141.58	486,318.93	807,069.72	32.334029	-103.472980
4,422.00	3.51	80.52	4,414.77	98.85	147.14	486,320.01	807,075.28	32.334032	-103.472962
4,518.00	3.62	81.00	4,510.59	99.81	153.03	486,320.97	807,081.17	32.334034	-103.472943
4,613.00	1.45	87.30	4,605.49	100.33	157.19	486,321.49	807,085.33	32.334036	-103.472929
4,709.00	0.77	90.45	4,701.47	100.38	159.05	486,321.55	807,087.19	32.334036	-103.472923
4,804.00	0.68	88.33	4,796.46	100.40	160.25	486,321.56	807,088.39	32.334036	-103.472920
4,900.00	0.96	90.81	4,892.45	100.40	161.63	486,321.56	807,089.77	32.334036	-103.472915
4,995.00	0.74	78.17	4,987.44	100.52	163.02	486,321.68	807,091.16	32.334036	-103.472911
5,091.00	0.74	92.07	5,083.43	100.62	164.25	486,321.78	807,092.39	32.334036	-103.472907
5,186.00	0.85	88.58	5,178.42	100.62	165.57	486,321.78	807,093.71	32.334036	-103.472902
5,282.00	0.79	84.32	5,274.41	100.70	166.94	486,321.86	807,095.08	32.334036	-103.472898
5,377.00	0.14	36.11	5,369.41	100.86	167.66	486,322.02	807,095.80	32.334037	-103.472896
5,472.00	0.55	295.26	5,464.41	101.15	167.31	486,322.31	807,095.45	32.334038	-103.472897
5,567.00	0.62	298.08	5,559.40	101.58	166.45	486,322.74	807,094.59	32.334039	-103.472899
5,663.00	0.79	283.82	5,655.40	101.98	165.35	486,323.15	807,093.48	32.334040	-103.472903
5,758.00	0.94	273.23	5,750.39	102.19	163.93	486,323.35	807,092.07	32.334041	-103.472908
5,854.00	1.08	276.20	5,846.37	102.33	162.25	486,323.49	807,090.39	32.334041	-103.472913
5,949.00	1.01	278.08	5,941.36	102.54	160.53	486,323.70	807,088.67	32.334042	-103.472919



Scientific Drilling

Survey Report - Geographic



Company:	Devon Energy	Local Co-ordinate Reference:	Well Rio Blanco 4-33 Fed Com 9H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 265 3402 GL 26 KB @ 3428.00usft (Original Well Elev)
Site:	Rio Blanco 4-33	MD Reference:	HP 265 3402 GL 26 KB @ 3428.00usft (Original Well Elev)
Well:	Rio Blanco 4-33 Fed Com 9H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
6,044.00	1.19	275.98	6,036.34	102.76	158.72	486,323.92	807,086.86	32.334042	-103.472924
6,139.00	1.22	272.67	6,131.32	102.91	156.73	486,324.07	807,084.86	32.334043	-103.472931
6,235.00	1.31	270.00	6,227.29	102.96	154.61	486,324.12	807,082.75	32.334043	-103.472938
6,330.00	1.31	275.25	6,322.27	103.06	152.44	486,324.22	807,080.58	32.334043	-103.472945
6,426.00	1.32	272.00	6,418.24	103.20	150.24	486,324.36	807,078.38	32.334044	-103.472952
6,521.00	1.31	269.19	6,513.22	103.22	148.06	486,324.38	807,076.20	32.334044	-103.472959
6,616.00	1.32	276.30	6,608.19	103.33	145.89	486,324.49	807,074.03	32.334044	-103.472966
6,711.00	0.81	232.06	6,703.18	103.03	144.27	486,324.19	807,072.41	32.334043	-103.472971
6,807.00	1.01	178.16	6,799.17	101.77	143.77	486,322.93	807,071.90	32.334040	-103.472973
6,902.00	1.05	180.71	6,894.15	100.06	143.78	486,321.22	807,071.92	32.334035	-103.472973
6,997.00	0.98	184.55	6,989.14	98.38	143.71	486,319.54	807,071.84	32.334031	-103.472973
7,093.00	0.99	198.25	7,085.12	96.78	143.38	486,317.94	807,071.52	32.334026	-103.472974
7,188.00	0.98	195.03	7,180.11	95.21	142.91	486,316.37	807,071.05	32.334022	-103.472976
7,283.00	1.14	194.96	7,275.09	93.51	142.46	486,314.68	807,070.60	32.334017	-103.472977
7,378.00	1.10	196.81	7,370.07	91.73	141.95	486,312.89	807,070.09	32.334012	-103.472979
7,474.00	1.12	209.51	7,466.06	90.03	141.22	486,311.19	807,069.36	32.334008	-103.472981
7,569.00	0.86	196.93	7,561.04	88.54	140.56	486,309.70	807,068.70	32.334004	-103.472984
7,665.00	0.94	201.00	7,657.03	87.12	140.07	486,308.28	807,068.20	32.334000	-103.472985
7,761.00	0.87	204.82	7,753.02	85.72	139.48	486,306.88	807,067.62	32.333996	-103.472987
7,856.00	0.91	192.81	7,848.01	84.33	139.01	486,305.49	807,067.15	32.333992	-103.472989
7,951.00	0.87	207.08	7,943.00	82.95	138.51	486,304.11	807,066.65	32.333988	-103.472990
8,047.00	0.88	204.56	8,038.99	81.63	137.87	486,302.79	807,066.01	32.333985	-103.472992
8,142.00	0.83	214.03	8,133.97	80.40	137.19	486,301.56	807,065.32	32.333981	-103.472995
8,237.00	0.74	208.03	8,228.97	79.29	136.51	486,300.45	807,064.65	32.333978	-103.472997
8,333.00	0.62	197.39	8,324.96	78.24	136.07	486,299.40	807,064.20	32.333975	-103.472998
8,428.00	0.56	194.91	8,419.95	77.30	135.79	486,298.46	807,063.93	32.333973	-103.472999
8,477.00	0.69	196.50	8,468.95	76.79	135.65	486,297.95	807,063.79	32.333971	-103.473000
8,624.00	0.74	181.62	8,615.94	74.99	135.37	486,296.15	807,063.51	32.333967	-103.473001
8,719.00	0.81	177.60	8,710.93	73.71	135.38	486,294.87	807,063.52	32.333963	-103.473001
8,815.00	1.21	197.52	8,806.92	72.06	135.10	486,293.22	807,063.24	32.333958	-103.473002
8,910.00	0.96	178.40	8,901.90	70.31	134.82	486,291.47	807,062.96	32.333954	-103.473003
9,005.00	0.86	113.23	8,996.89	69.23	135.50	486,290.40	807,063.64	32.333951	-103.473000
9,101.00	2.43	106.66	9,092.85	68.37	138.11	486,289.53	807,066.25	32.333948	-103.472992
9,196.00	1.79	102.26	9,187.78	67.47	141.49	486,288.64	807,069.63	32.333946	-103.472981
9,291.00	1.37	116.66	9,282.75	66.65	143.96	486,287.81	807,072.09	32.333943	-103.472973
9,386.00	0.95	113.52	9,377.73	65.83	145.69	486,286.99	807,073.83	32.333941	-103.472968
9,481.00	1.50	284.24	9,472.72	65.82	145.21	486,286.98	807,073.35	32.333941	-103.472969
9,577.00	1.46	279.80	9,568.69	66.33	142.79	486,287.50	807,070.93	32.333943	-103.472977
9,672.00	0.64	292.56	9,663.67	66.74	141.11	486,287.91	807,069.24	32.333944	-103.472982
9,768.00	0.60	312.13	9,759.66	67.29	140.24	486,288.45	807,068.38	32.333945	-103.472985
9,863.00	0.75	9.87	9,854.66	68.23	139.97	486,289.39	807,068.11	32.333948	-103.472986
9,958.00	0.57	43.11	9,949.65	69.19	140.40	486,290.35	807,068.54	32.333950	-103.472985
10,053.00	0.18	90.97	10,044.65	69.53	140.88	486,290.69	807,069.01	32.333951	-103.472983
10,148.00	0.61	34.48	10,139.65	69.95	141.31	486,291.11	807,069.45	32.333953	-103.472982
10,244.00	1.83	67.08	10,235.63	70.97	143.01	486,292.13	807,071.15	32.333955	-103.472976
10,339.00	0.40	160.85	10,330.61	71.24	144.52	486,292.40	807,072.66	32.333956	-103.472971
10,434.00	0.32	230.34	10,425.61	70.76	144.42	486,291.92	807,072.56	32.333955	-103.472972
10,530.00	2.19	269.61	10,521.58	70.58	142.38	486,291.74	807,070.52	32.333954	-103.472978
10,625.00	3.31	274.30	10,616.47	70.77	137.83	486,291.93	807,065.97	32.333955	-103.472993
10,730.00	7.85	303.63	10,720.96	74.97	128.83	486,296.13	807,056.97	32.333967	-103.473022
10,826.00	16.34	351.71	10,814.95	92.03	121.40	486,313.19	807,049.54	32.334014	-103.473046
10,921.00	28.44	359.35	10,902.64	128.02	119.21	486,349.18	807,047.34	32.334113	-103.473052
11,016.00	41.50	4.47	10,980.34	182.26	121.41	486,403.42	807,049.55	32.334262	-103.473043



Scientific Drilling

Survey Report - Geographic



Company:	Devon Energy	Local Co-ordinate Reference:	Well Rio Blanco 4-33 Fed Com 9H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 265 3402 GL 26 KB @ 3428.00usft (Original Well Elev)
Site:	Rio Blanco 4-33	MD Reference:	HP 265 3402 GL 26 KB @ 3428.00usft (Original Well Elev)
Well:	Rio Blanco 4-33 Fed Com 9H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
11,111.00	51.53	357.94	11,045.67	251.02	122.53	486,472.18	807,050.67	32.334451	-103.473038
11,207.00	58.65	357.28	11,100.57	329.63	119.23	486,550.79	807,047.37	32.334667	-103.473046
11,302.00	64.13	354.89	11,146.05	412.79	113.50	486,633.95	807,041.63	32.334895	-103.473063
11,397.00	71.15	354.06	11,182.17	500.18	105.03	486,721.34	807,033.16	32.335136	-103.473088
11,492.00	82.80	359.32	11,203.55	592.39	99.79	486,813.55	807,027.93	32.335389	-103.473102
11,588.00	87.55	3.04	11,211.63	687.99	101.77	486,909.15	807,029.91	32.335652	-103.473094
11,683.00	90.47	3.80	11,213.27	782.79	107.44	487,003.95	807,035.58	32.335913	-103.473073
11,778.00	89.97	4.76	11,212.91	877.53	114.53	487,098.69	807,042.67	32.336173	-103.473047
11,873.00	88.86	4.43	11,213.88	972.21	122.14	487,193.38	807,050.28	32.336433	-103.473020
11,968.00	91.18	4.14	11,213.84	1,066.94	129.24	487,288.10	807,057.37	32.336693	-103.472995
12,064.00	89.19	3.05	11,213.53	1,162.75	135.26	487,383.91	807,063.39	32.336956	-103.472973
12,159.00	89.83	3.48	11,214.35	1,257.59	140.67	487,478.75	807,068.80	32.337217	-103.472953
12,255.00	89.33	3.16	11,215.05	1,353.42	146.23	487,574.59	807,074.36	32.337480	-103.472932
12,350.00	89.63	3.91	11,215.91	1,448.24	152.08	487,669.40	807,080.22	32.337741	-103.472911
12,445.00	88.96	1.11	11,217.08	1,543.13	156.24	487,764.29	807,084.38	32.338001	-103.472895
12,541.00	86.78	0.58	11,220.65	1,639.05	157.66	487,860.21	807,085.80	32.338265	-103.472888
12,636.00	89.66	0.86	11,223.60	1,733.98	158.85	487,955.15	807,086.99	32.338526	-103.472882
12,731.00	92.25	359.42	11,222.02	1,828.96	159.08	488,050.12	807,087.22	32.338787	-103.472878
12,820.00	91.07	358.01	11,219.44	1,917.90	157.09	488,139.06	807,085.23	32.339031	-103.472883
12,910.00	90.81	357.21	11,217.96	2,007.81	153.34	488,228.97	807,081.47	32.339279	-103.472892
13,000.00	90.67	356.84	11,216.80	2,097.68	148.66	488,318.84	807,076.80	32.339526	-103.472905
13,089.00	90.00	357.16	11,216.28	2,186.55	144.01	488,407.71	807,072.14	32.339770	-103.472918
13,179.00	90.00	357.70	11,216.28	2,276.46	139.97	488,497.62	807,068.11	32.340017	-103.472929
13,269.00	89.40	357.28	11,216.75	2,366.37	136.03	488,587.53	807,064.17	32.340264	-103.472939
13,358.00	88.25	359.47	11,218.57	2,455.31	133.51	488,676.47	807,061.64	32.340509	-103.472945
13,448.00	86.38	359.37	11,222.79	2,545.20	132.60	488,766.37	807,060.73	32.340756	-103.472946
13,504.19	86.57	359.71	11,226.25	2,601.29	132.15	488,822.45	807,060.28	32.340910	-103.472946
CSL Sec 4 into 33 - 13504.19 MD 11226.25 TVD									
13,537.00	86.68	359.91	11,228.18	2,634.04	132.04	488,855.20	807,060.18	32.341000	-103.472945
13,627.00	89.97	0.13	11,230.81	2,723.99	132.07	488,945.15	807,060.21	32.341247	-103.472943
13,716.00	90.10	359.02	11,230.75	2,812.98	131.41	489,034.15	807,059.55	32.341492	-103.472942
13,806.00	89.63	358.12	11,230.97	2,902.96	129.16	489,124.12	807,057.30	32.341739	-103.472947
13,896.00	91.58	358.71	11,230.02	2,992.91	126.67	489,214.07	807,054.81	32.341987	-103.472953
13,985.00	92.28	357.81	11,227.02	3,081.82	123.97	489,302.98	807,052.11	32.342231	-103.472959
14,075.00	92.25	357.61	11,223.46	3,171.68	120.38	489,392.84	807,048.52	32.342478	-103.472969
14,164.00	91.51	357.99	11,220.54	3,260.56	116.97	489,481.72	807,045.10	32.342723	-103.472978
14,190.00	91.48	357.44	11,219.86	3,286.53	115.93	489,507.69	807,044.07	32.342794	-103.472980
14,279.00	90.81	0.63	11,218.08	3,375.49	114.43	489,596.65	807,042.57	32.343039	-103.472983
14,369.00	90.34	1.67	11,217.18	3,465.47	116.24	489,686.63	807,044.38	32.343286	-103.472975
14,459.00	89.23	1.18	11,217.52	3,555.44	118.48	489,776.60	807,046.61	32.343533	-103.472965
14,548.00	88.89	0.81	11,218.98	3,644.41	120.02	489,865.57	807,048.16	32.343778	-103.472958
14,638.00	88.52	0.79	11,221.01	3,734.38	121.28	489,955.54	807,049.42	32.344025	-103.472951
14,728.00	88.52	359.47	11,223.34	3,824.35	121.48	490,045.51	807,049.62	32.344272	-103.472948
14,817.00	89.26	358.83	11,225.06	3,913.32	120.16	490,134.48	807,048.30	32.344517	-103.472950
14,907.00	89.43	1.46	11,226.09	4,003.30	120.39	490,224.46	807,048.53	32.344764	-103.472947
14,996.00	89.23	2.46	11,227.13	4,092.24	123.43	490,313.41	807,051.57	32.345008	-103.472935
15,086.00	89.46	2.33	11,228.16	4,182.16	127.19	490,403.32	807,055.33	32.345255	-103.472920
15,175.00	89.23	1.42	11,229.18	4,271.11	130.11	490,492.27	807,058.24	32.345500	-103.472909
15,265.00	89.36	1.20	11,230.28	4,361.07	132.16	490,582.24	807,060.30	32.345747	-103.472900
15,355.00	90.00	0.72	11,230.79	4,451.06	133.67	490,672.22	807,061.81	32.345994	-103.472892
15,444.00	90.34	0.20	11,230.52	4,540.06	134.39	490,761.22	807,062.52	32.346239	-103.472888
15,534.00	90.97	359.56	11,229.49	4,630.05	134.20	490,851.21	807,062.33	32.346486	-103.472886
15,623.00	89.46	1.14	11,229.16	4,719.04	134.74	490,940.20	807,062.88	32.346731	-103.472882



Scientific Drilling

Survey Report - Geographic



Company:	Devon Energy	Local Co-ordinate Reference:	Well Rio Blanco 4-33 Fed Com 9H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 265 3402 GL 26 KB @ 3428.00usft (Original Well Elev)
Site:	Rio Blanco 4-33	MD Reference:	HP 265 3402 GL 26 KB @ 3428.00usft (Original Well Elev)
Well:	Rio Blanco 4-33 Fed Com 9H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
15,713.00	89.23	0.68	11,230.19	4,809.02	136.17	491,030.19	807,064.31	32.346978	-103.472875
15,802.00	90.10	0.66	11,230.71	4,898.02	137.21	491,119.18	807,065.35	32.347223	-103.472869
15,892.00	90.27	359.90	11,230.42	4,988.01	137.65	491,209.17	807,065.79	32.347470	-103.472866
15,982.00	89.43	0.45	11,230.65	5,078.01	137.93	491,299.17	807,066.06	32.347717	-103.472862
16,071.00	89.33	0.92	11,231.62	5,167.00	138.99	491,388.16	807,067.13	32.347962	-103.472857
16,161.00	89.43	0.62	11,232.59	5,256.99	140.20	491,478.15	807,068.34	32.348209	-103.472850
16,250.00	88.16	0.18	11,234.46	5,345.96	140.82	491,567.12	807,068.96	32.348454	-103.472846
16,340.00	88.25	359.60	11,237.28	5,435.92	140.65	491,657.08	807,068.79	32.348701	-103.472844
16,430.00	89.03	359.29	11,239.42	5,525.89	139.78	491,747.05	807,067.91	32.348948	-103.472845
16,519.00	89.76	358.36	11,240.36	5,614.86	137.95	491,836.02	807,066.09	32.349193	-103.472848
16,609.00	90.10	358.16	11,240.47	5,704.82	135.22	491,925.98	807,063.36	32.349440	-103.472855
16,699.00	89.97	357.52	11,240.41	5,794.76	131.83	492,015.92	807,059.96	32.349688	-103.472863
16,788.00	90.13	356.59	11,240.34	5,883.64	127.25	492,104.80	807,055.39	32.349932	-103.472876
16,878.00	87.85	356.91	11,241.92	5,973.47	122.15	492,194.63	807,050.29	32.350179	-103.472890
16,968.00	87.98	356.06	11,245.20	6,063.24	116.64	492,284.40	807,044.78	32.350426	-103.472906
17,057.00	88.19	355.56	11,248.17	6,151.96	110.14	492,373.12	807,038.28	32.350670	-103.472924
17,147.00	88.52	357.46	11,250.75	6,241.75	104.66	492,462.91	807,032.80	32.350917	-103.472940
17,236.00	88.69	358.31	11,252.92	6,330.66	101.38	492,551.82	807,029.52	32.351161	-103.472948
17,326.00	88.89	357.78	11,254.82	6,420.59	98.31	492,641.75	807,026.45	32.351408	-103.472956
17,415.00	89.60	359.78	11,255.99	6,509.55	96.41	492,730.71	807,024.55	32.351653	-103.472960
17,505.00	89.66	1.00	11,256.58	6,599.55	97.03	492,820.71	807,025.17	32.351900	-103.472955
17,595.00	89.93	0.76	11,256.90	6,689.54	98.41	492,910.70	807,026.55	32.352148	-103.472948
17,684.00	89.87	0.00	11,257.05	6,778.53	99.00	492,999.69	807,027.14	32.352392	-103.472944
17,774.00	89.60	0.60	11,257.47	6,868.53	99.47	493,089.69	807,027.61	32.352640	-103.472940
17,865.00	89.90	359.34	11,257.87	6,959.53	99.42	493,180.69	807,027.56	32.352890	-103.472938
17,954.00	90.07	359.02	11,257.89	7,048.52	98.15	493,269.68	807,026.29	32.353134	-103.472940
18,044.00	90.00	358.15	11,257.83	7,138.49	95.93	493,359.65	807,024.07	32.353382	-103.472945
18,134.00	90.37	357.69	11,257.54	7,228.43	92.66	493,449.59	807,020.80	32.353629	-103.472953
18,223.00	90.50	356.99	11,256.87	7,317.33	88.53	493,538.49	807,016.67	32.353873	-103.472964
18,313.00	89.66	359.01	11,256.74	7,407.27	85.39	493,628.43	807,013.53	32.354121	-103.472972
18,402.00	89.23	359.22	11,257.60	7,496.26	84.02	493,717.42	807,012.15	32.354365	-103.472974
18,492.00	88.96	359.36	11,259.03	7,586.24	82.90	493,807.40	807,011.04	32.354613	-103.472975
18,582.00	89.06	358.65	11,260.58	7,676.21	81.34	493,897.37	807,009.48	32.354860	-103.472978
18,672.00	89.26	358.70	11,261.24	7,721.19	80.30	493,942.35	807,008.44	32.354984	-103.472980
18,685.29	89.26	358.70	11,261.99	7,779.46	78.97	494,000.62	807,007.11	32.355144	-103.472983
LTP 100 FNL - 18685.29 MD 11261.99 TVD									
18,689.00	89.26	358.70	11,262.04	7,783.17	78.89	494,004.33	807,007.03	32.355154	-103.472983
Actual BH: 96.5 FNL 2007.3 FEL - 18689 MD 11262.04 TVD - Y-494004.33 X-807007.03 - 32.355154°N 103.472983°W									

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
13,504.19	11,226.25	2,601.29	132.15	CSL Sec 4 into 33	
13,504.19	11,226.25	2,601.29	132.15	13504.19 MD 11226.25 TVD	
18,685.29	11,261.99	7,779.46	78.97	LTP 100 FNL	
18,685.29	11,261.99	7,779.46	78.97	18685.29 MD 11261.99 TVD	
18,689.00	11,262.04	7,783.17	78.89	Actual BH: 96.5 FNL 2007.3 FEL	
18,689.00	11,262.04	7,783.17	78.89	18689 MD 11262.04 TVD	
18,689.00	11,262.04	7,783.17	78.89	Y-494004.33 X-807007.03	
18,689.00	11,262.04	7,783.17	78.89	32.355154°N 103.472983°W	



Scientific Drilling
Survey Report - Geographic



Company:	Devon Energy	Local Co-ordinate Reference:	Well Rio Blanco 4-33 Fed Com 9H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 265 3402 GL 26 KB @ 3428.00usft (Original Well Elev)
Site:	Rio Blanco 4-33	MD Reference:	HP 265 3402 GL 26 KB @ 3428.00usft (Original Well Elev)
Well:	Rio Blanco 4-33 Fed Com 9H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Checked By: _____

Approved By: _____

Date: _____

Submit 1 Copy To Appropriate District Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 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-103
 Revised August 1, 2011

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-50132
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☐ FEE ☐
2. Name of Operator Devon Energy Production Company, L.P.		6. State Oil & Gas Lease No.
3. Address of Operator 333 West Sheridan, Oklahoma City, OK 73102		7. Lease Name or Unit Agreement Name Rio Blanco 4-33 Fed Com
4. Well Location Unit Letter <u>G</u> : <u>2601</u> feet from the <u>North</u> line and <u>2140</u> feet from the <u>East</u> line Section <u>4</u> Township <u>23S</u> Range <u>34E</u> NMPM County <u>Lea</u>		8. Well Number 9H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) GL: 3402'		9. OGRID Number 6137
		10. Pool name or Wildcat WC-025 G-06 S223421L; BONE SPRING

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
OTHER: ☐		OTHER: Completion ☒	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

1/7/23-2/23/23: MIRU WL & PT. TIH & ran CBL, found TOC @ 7900'. PT csg for 30 min, OK. TIH w/pump through frac plug and guns. Perf Bone Spring, 11394'-18647', total 880 holes. Frac totals 16,468,800# proppant, 61 bbl acid. ND frac, MIRU PU, NU BOP, DO plugs & CO to PBTD w/ float collar 18,671' MD/11,262' TVD. CHC, FWB, ND BOP. RIH w/323 jts 2-7/8" L-80 tbg, set @ 10,728'. TOP.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

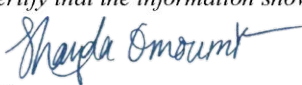
SIGNATURE Shayda Omoumi TITLE Regulatory Compliance Professional DATE 3/21/2023

Type or print name Shayda Omoumi E-mail address: shayda.omoumi@dvnm.com PHONE: 405-552-3513

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any): _____

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 August 1, 2011				
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
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 Rio Blanco 4-33 Fed Com 6. Well Number: 9H				
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER										
8. Name of Operator Devon Energy Production Company, L.P.						9. OGRID 6137				
10. Address of Operator 333 West Sheridan Avenue, Oklahoma City, OK 73102						11. Pool name or Wildcat WC-025 G-06 S223421L; BONE SPRING				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	G	4	23S	34E		2601	North	2140	East	Lea
BH:	B	33	22S	34E		96	North	2007	East	Lea
13. Date Spudded 8/1/22	14. Date T.D. Reached 8/29/22		15. Date Rig Released 9/1/22		16. Date Completed (Ready to Produce) 2/23/23		17. Elevations (DF and RKB, RT, GR, etc.) 3402' GL			
18. Total Measured Depth of Well 18689 MD, 11262 TVD			19. Plug Back Measured Depth 18,671 MD/11,262 TVD		20. Was Directional Survey Made? Yes		21. Type Electric and Other Logs Run CBL			
22. Producing Interval(s), of this completion - Top, Bottom, Name 11394-18647, BONE SPRING										
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		2186		17-1/2"		1382 sx CIH; circ 722 sx		
10-3/4"		45.5		3438		12-1/4"		745 sx CIC; circ 269 sx		
8-5/8"		32		8530		9-7/8" 731		186 sx CIC; circ 54 sx		
5-1/2"		20		18674		7-7/8"		1387 sx CIC; circ 0 sx		TOC @ 6027
24. LINER RECORD										
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		25. TUBING RECORD				
						SIZE		DEPTH SET	PACKER SET	
						2-7/8" L80		10728		
26. Perforation record (interval, size, and number) 11394 - 18647, total 880 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 11394-18647 Acidize and frac in 30 stages. See detailed summary attached.				
28. PRODUCTION										
Date First Production 2/23/23		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing				
Date of Test 3/5/23	Hours Tested 24	Choke Size N/A	Prod'n For Test Period	Oil - Bbl 1758	Gas - MCF 296	Water - Bbl. 2201	Gas - Oil Ratio 168.3731513			
Flow Tubing Press. N/A	Casing Pressure 519 psi	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold							30. Test Witnessed By			
31. List Attachments Directional Survey, Logs										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.										
33. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude			Longitude			NAD 1927 1983				
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 		Printed Name		Shayda Omoumi		Title		Regulatory Compliance Professional		Date 3/21/2023
E-mail Address		shayda.omoumi@dvn.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	
Rustler - 2135			
Salt - 2515			
Base of Salt - 4935			
Lamar - 4935			
Delaware - 5105			
Cherry Canyon - 5985			
Brushy Canyon - 7115			
1st Bone Spring Lime - 8455			
1st Bone Spring Sand - 9515			
2nd Bone Spring Sand - 10000			
3rd Bone Spring Lime - 10425			
3rd Bone Spring Sand - 10925			
Wolfcamp - 11235			
Strawn - 11695			

No. 1, from..... N/A..... to..... N/A..... No. 3, from..... N/A..... to..... N/A.....
No. 2, from..... N/A..... to..... N/A..... No. 4, from..... N/A..... to..... N/A.....

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.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 199309

ACKNOWLEDGMENTS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 199309
	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.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 199309

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 199309
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	10/29/2025