

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 / 11/17/21
⁴ API Number 30-025-47546	⁵ Pool Name WC-025 G-09 S263416B; UPPER WOLFCAMP	⁶ Pool Code 98105
⁷ Property Code 330425 327330X	⁸ Property Name Blondie 15-3 Fed Com	⁹ Well Number 3H

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
E	15	26S	34E		2149	North	634	West	Lea

¹¹ Bottom Hole Location

UL or lot no. D	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	3	26S	34E		86	North	530	West	Lea
¹² Lse Code S	¹³ Producing Method Code F	¹⁴ Gas Connection Date 11/17/21	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
020809	Lucid Energy Group 3100 McKinnon St. Ste 800 Dallas, TX 75201	Gas
92591	Western Refining Company, L.P. 6500 Trowbridge Drive El Paso, TX 79905	Oil

IV. Well Completion Data

²¹ Spud Date 6/20/21	²² Ready Date 11/17/21	²³ TD 25650	²⁴ PBDT 25627	²⁵ Perforations 13017 - 25614	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2"	13-3/8"	1000'	750 sx CLC; Circ 350 sx		
9-7/8"	8-5/8"	12,288'	720 sx CLC; Circ 323 sx		
7-7/8"	5-1/2"	25,629'	3761 sx CLC; Circ 140 sx		
	Tubing:	0			

V. Well Test Data

³¹ Date New Oil 12/9/21	³² Gas Delivery Date 12/9/21	³³ Test Date 12/9/21	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure psi	³⁶ Csg. Pressure 2186 psi
³⁷ Choke Size	³⁸ Oil 1272 bbl	³⁹ Water 3936 bbl	⁴⁰ Gas 1944 mcf		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: Rebecca Deal			Approved by: 		
Title: Regulatory Analyst			Title: Petroleum Engineer		
E-mail Address: Rebecca.Deal@dmn.com			Approval Date: 10/06/22		
Date: 12/16/2021		Phone: 405-228-8429	COA: File 3160-4 Completion Report within 10 days to NMOCD after BLM approval.		

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) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

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

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-47546	Pool Code 98105	Pool Name WC-025 G-09 S263416B;UPPER WOLFCAMP
Property Code 327330	Property Name BLONDIE 15-3 FED COM	Well Number 3H
OGRID No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	Elevation 3279.1'

Surface Location

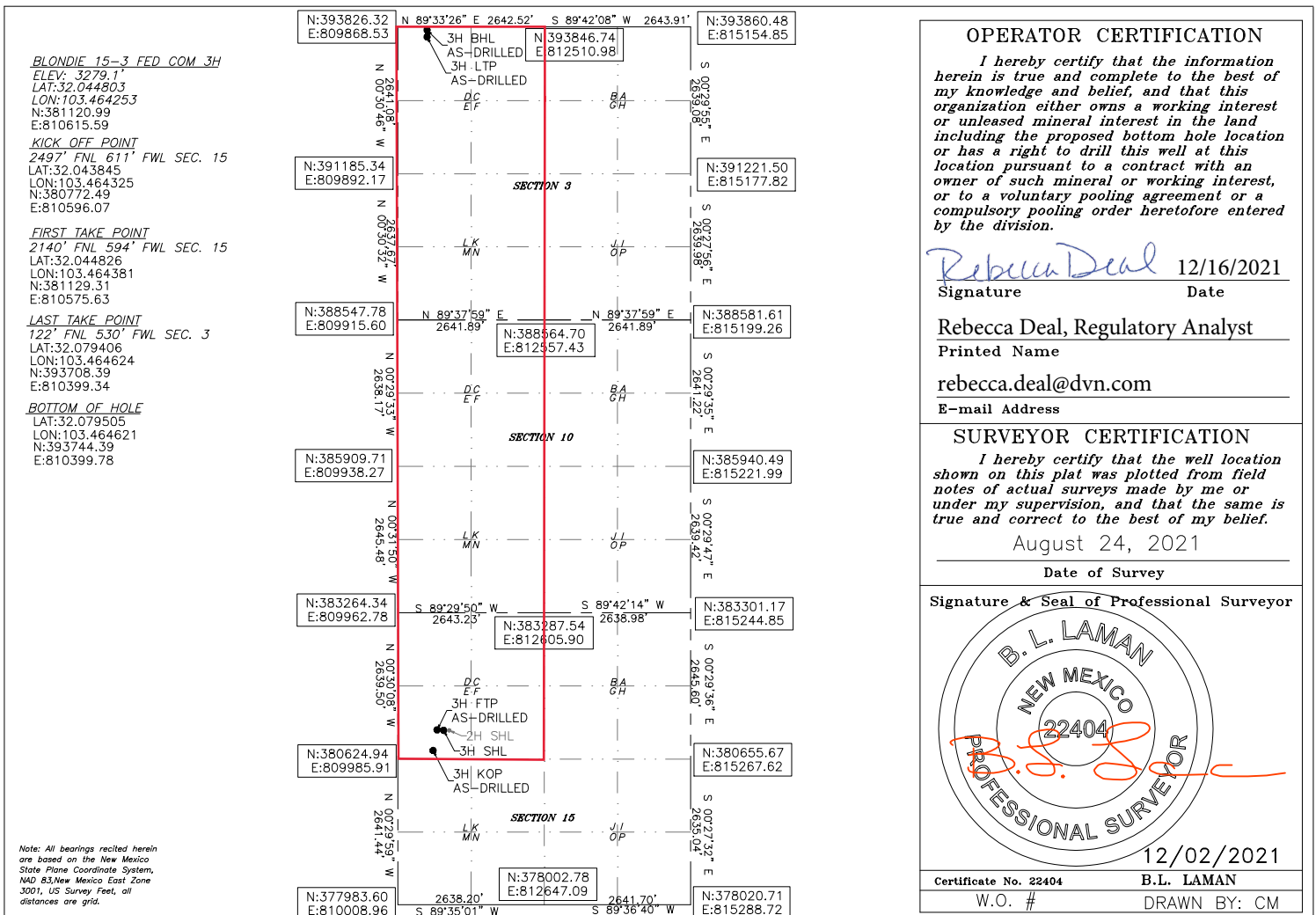
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	15	26-S	34-E		2149	NORTH	634	WEST	LEA

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
D	3	26-S	34-E		86	NORTH	530	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
800			

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



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

WCDSC Permian NM

Lea County (NAD83 New Mexico East)

Sec 15-T26S-R34E

Blondie 15-3 Fed Com 2H

OH

Design: Final Surveys (Total Dir)

Standard Survey Report

14 September, 2021

Devon Energy

Survey Report

Company:	WCDSC Permian NM	Local Co-ordinate Reference:	Well Blondie 15-3 Fed Com 2H
Project:	Lea County (NAD83 New Mexico East)	TVD Reference:	RKB @ 3302.80ft
Site:	Sec 15-T26S-R34E	MD Reference:	RKB @ 3302.80ft
Well:	Blondie 15-3 Fed Com 2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Final Surveys (Total Dir)	Database:	EDM r5000.16_Prod US

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

Site		Sec 15-T26S-R34E			
Site Position:		Northing:	383,264.34 usft	Latitude:	32.0507084
From:	Map	Easting:	809,962.78 usft	Longitude:	-103.4663038
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.46 °

Well	Blondie 15-3 Fed Com 2H					
Well Position	+N/-S	0.00 ft	Northing:	381,121.25 usft	Latitude:	32.0448027
	+E/-W	0.00 ft	Easting:	810,645.59 usft	Longitude:	-103.4641559
Position Uncertainty		0.50 ft	Wellhead Elevation:	ft	Ground Level:	3,277.80 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	6/4/2019	6.68	59.89	47,642.23738591

Design	Final Surveys (Total Dir)				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	1.35	

Survey Program	Date	9/14/2021			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
179.00	936.00	Wellbore Section 1 (Surf) (OH)	MWD+HDGM	OWSG MWD + HDGM	
1,052.00	12,439.00	Wellbore Section (Int) (OH)	MWD+HDGM	OWSG MWD + HDGM	
12,514.00	25,735.00	Wellbore Section 3 (Prod) (OH)	MWD+HDGM	OWSG MWD + HDGM	

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	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	
179.00	0.10	334.10	179.00	0.14	-0.07	0.14	0.06	0.06	0.00	
270.00	0.50	294.70	270.00	0.38	-0.46	0.37	0.47	0.44	-43.30	
362.00	0.30	246.20	362.00	0.45	-1.05	0.42	0.41	-0.22	-52.72	
452.00	0.60	320.00	451.99	0.71	-1.57	0.68	0.66	0.33	82.00	
543.00	0.40	263.80	542.99	1.05	-2.19	0.99	0.55	-0.22	-61.76	
634.00	0.60	261.40	633.99	0.94	-2.98	0.87	0.22	0.22	-2.64	
723.00	0.60	261.40	722.98	0.80	-3.90	0.71	0.00	0.00	0.00	
813.00	0.90	269.00	812.98	0.72	-5.07	0.60	0.35	0.33	8.44	

Devon Energy

Survey Report

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Site:	Sec 15-T26S-R34E	MD Reference:	RKB @ 3302.80ft
Well:	Blondie 15-3 Fed Com 2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Final Surveys (Total Dir)	Database:	EDM r5000.16_Prod US

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
903.00	0.80	258.00	902.97	0.57	-6.39	0.42	0.21	-0.11	-12.22
936.00	0.80	271.50	935.96	0.53	-6.85	0.37	0.57	0.00	40.91
1,052.00	0.70	262.70	1,051.95	0.46	-8.36	0.27	0.13	-0.09	-7.59
1,143.00	0.80	259.20	1,142.94	0.27	-9.54	0.05	0.12	0.11	-3.85
1,237.00	0.70	266.40	1,236.94	0.11	-10.75	-0.14	0.15	-0.11	7.66
1,331.00	0.40	248.80	1,330.93	-0.04	-11.63	-0.31	0.36	-0.32	-18.72
1,425.00	0.70	199.60	1,424.93	-0.70	-12.13	-0.98	0.57	0.32	-52.34
1,518.00	0.90	193.60	1,517.92	-1.94	-12.49	-2.24	0.23	0.22	-6.45
1,613.00	2.20	143.10	1,612.89	-4.13	-11.57	-4.40	1.86	1.37	-53.16
1,707.00	3.60	127.40	1,706.76	-7.36	-8.15	-7.55	1.70	1.49	-16.70
1,801.00	6.00	116.10	1,800.43	-11.32	-1.39	-11.35	2.73	2.55	-12.02
1,895.00	6.20	116.10	1,893.90	-15.71	7.58	-15.53	0.21	0.21	0.00
1,990.00	6.20	114.70	1,988.34	-20.11	16.85	-19.71	0.16	0.00	-1.47
2,084.00	6.20	113.40	2,081.79	-24.25	26.12	-23.63	0.15	0.00	-1.38
2,179.00	6.40	114.70	2,176.22	-28.50	35.64	-27.65	0.26	0.21	1.37
2,274.00	6.90	114.70	2,270.58	-33.10	45.63	-32.01	0.53	0.53	0.00
2,368.00	7.30	114.50	2,363.86	-37.93	56.20	-36.60	0.43	0.43	-0.21
2,462.00	7.70	114.70	2,457.05	-43.04	67.35	-41.44	0.43	0.43	0.21
2,556.00	8.30	114.30	2,550.14	-48.46	79.26	-46.59	0.64	0.64	-0.43
2,650.00	8.50	114.00	2,643.13	-54.08	91.79	-51.91	0.22	0.21	-0.32
2,744.00	9.00	113.20	2,736.04	-59.80	104.89	-57.32	0.55	0.53	-0.85
2,838.00	9.40	111.10	2,828.83	-65.46	118.81	-62.65	0.56	0.43	-2.23
2,932.00	9.40	110.40	2,921.56	-70.90	133.17	-67.75	0.12	0.00	-0.74
3,027.00	9.90	108.10	3,015.22	-76.14	148.20	-72.64	0.66	0.53	-2.42
3,121.00	10.20	105.30	3,107.78	-80.85	163.91	-76.97	0.61	0.32	-2.98
3,215.00	9.30	107.40	3,200.42	-85.32	179.19	-81.08	1.03	-0.96	2.23
3,310.00	8.70	111.50	3,294.25	-90.25	193.20	-85.68	0.92	-0.63	4.32
3,404.00	9.40	114.20	3,387.08	-96.00	206.81	-91.11	0.87	0.74	2.87
3,498.00	8.30	120.10	3,479.96	-102.55	219.69	-97.35	1.52	-1.17	6.28
3,592.00	6.00	123.60	3,573.23	-108.67	229.65	-103.24	2.49	-2.45	3.72
3,687.00	5.50	121.20	3,667.75	-113.78	237.68	-108.15	0.58	-0.53	-2.53
3,782.00	6.10	114.70	3,762.26	-118.25	246.16	-112.42	0.94	0.63	-6.84
3,876.00	6.80	112.00	3,855.67	-122.42	255.86	-116.36	0.81	0.74	-2.87
3,971.00	7.50	113.20	3,949.93	-126.97	266.77	-120.66	0.75	0.74	1.26
4,065.00	8.40	112.20	4,043.02	-131.98	278.77	-125.38	0.97	0.96	-1.06
4,160.00	9.60	109.10	4,136.85	-137.19	292.68	-130.27	1.36	1.26	-3.26
4,254.00	10.10	105.60	4,229.47	-141.97	308.02	-134.69	0.83	0.53	-3.72
4,349.00	10.10	105.10	4,322.99	-146.38	324.09	-138.72	0.09	0.00	-0.53
4,443.00	10.40	102.50	4,415.49	-150.37	340.33	-142.32	0.59	0.32	-2.77
4,537.00	10.30	94.40	4,507.97	-152.85	356.99	-144.41	1.55	-0.11	-8.62
4,631.00	9.90	99.10	4,600.51	-154.77	373.35	-145.94	0.97	-0.43	5.00
4,725.00	10.40	112.50	4,693.06	-159.30	389.17	-150.10	2.56	0.53	14.26
4,820.00	8.50	120.10	4,786.77	-166.10	403.17	-156.57	2.39	-2.00	8.00

Devon Energy

Survey Report

Company:	WCDSC Permian NM	Local Co-ordinate Reference:	Well Blondie 15-3 Fed Com 2H
Project:	Lea County (NAD83 New Mexico East)	TVD Reference:	RKB @ 3302.80ft
Site:	Sec 15-T26S-R34E	MD Reference:	RKB @ 3302.80ft
Well:	Blondie 15-3 Fed Com 2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Final Surveys (Total Dir)	Database:	EDM r5000.16_Prod US

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,914.00	7.40	116.20	4,879.86	-172.26	414.61	-162.45	1.30	-1.17	-4.15
5,009.00	6.80	128.00	4,974.14	-178.42	424.53	-168.38	1.66	-0.63	12.42
5,104.00	5.70	134.10	5,068.57	-185.17	432.35	-174.94	1.35	-1.16	6.42
5,198.00	4.80	132.50	5,162.18	-191.07	438.60	-180.70	0.97	-0.96	-1.70
5,293.00	4.30	130.90	5,256.88	-196.09	444.23	-185.58	0.54	-0.53	-1.68
5,387.00	3.40	133.40	5,350.67	-200.31	448.92	-189.69	0.97	-0.96	2.66
5,481.00	3.00	134.30	5,444.52	-203.95	452.70	-193.24	0.43	-0.43	0.96
5,575.00	2.20	118.50	5,538.42	-206.52	456.05	-195.74	1.14	-0.85	-16.81
5,669.00	1.60	70.60	5,632.38	-206.95	458.87	-196.10	1.74	-0.64	-50.96
5,764.00	3.60	21.50	5,727.28	-203.73	461.22	-192.83	2.97	2.11	-51.68
5,859.00	6.50	13.80	5,821.90	-195.73	463.59	-184.77	3.13	3.05	-8.11
5,953.00	11.60	356.20	5,914.72	-181.13	464.24	-170.15	6.11	5.43	-18.72
6,047.00	10.50	13.70	6,007.00	-163.37	465.64	-152.37	3.74	-1.17	18.62
6,142.00	8.90	18.90	6,100.64	-148.00	470.07	-136.90	1.92	-1.68	5.47
6,236.00	6.70	25.80	6,193.77	-136.19	474.81	-124.98	2.54	-2.34	7.34
6,330.00	5.00	42.10	6,287.28	-128.21	479.95	-116.88	2.51	-1.81	17.34
6,425.00	4.00	51.00	6,381.99	-123.05	485.30	-111.60	1.28	-1.05	9.37
6,520.00	2.90	67.60	6,476.82	-120.05	490.09	-108.49	1.55	-1.16	17.47
6,614.00	3.70	97.30	6,570.67	-119.53	495.30	-107.84	1.98	0.85	31.60
6,709.00	4.10	116.20	6,665.45	-121.42	501.39	-109.59	1.41	0.42	19.89
6,803.00	5.60	130.60	6,759.12	-125.89	507.89	-113.90	2.04	1.60	15.32
6,897.00	6.50	142.50	6,852.60	-133.09	514.61	-120.95	1.64	0.96	12.66
6,991.00	6.30	143.00	6,946.01	-141.43	520.95	-129.14	0.22	-0.21	0.53
7,086.00	5.60	155.30	7,040.50	-149.81	526.02	-137.39	1.53	-0.74	12.95
7,179.00	5.40	163.30	7,133.07	-158.12	529.18	-145.63	0.85	-0.22	8.60
7,274.00	4.30	162.00	7,227.73	-165.79	531.56	-153.24	1.16	-1.16	-1.37
7,368.00	3.10	152.90	7,321.54	-171.41	533.81	-158.80	1.42	-1.28	-9.68
7,462.00	2.80	149.80	7,415.41	-175.65	536.12	-162.99	0.36	-0.32	-3.30
7,556.00	2.70	151.60	7,509.30	-179.59	538.33	-166.87	0.14	-0.11	1.91
7,651.00	2.60	152.40	7,604.20	-183.46	540.39	-170.70	0.11	-0.11	0.84
7,746.00	2.60	155.70	7,699.10	-187.34	542.28	-174.53	0.16	0.00	3.47
7,841.00	2.60	158.70	7,794.01	-191.31	543.95	-178.46	0.14	0.00	3.16
7,936.00	2.40	159.00	7,888.92	-195.17	545.44	-182.28	0.21	-0.21	0.32
8,030.00	2.30	162.30	7,982.84	-198.81	546.72	-185.89	0.18	-0.11	3.51
8,124.00	2.30	164.90	8,076.76	-202.42	547.79	-189.48	0.11	0.00	2.77
8,217.00	2.20	168.10	8,169.69	-205.97	548.64	-193.01	0.17	-0.11	3.44
8,312.00	2.00	165.60	8,264.63	-209.36	549.43	-196.38	0.23	-0.21	-2.63
8,406.00	2.00	164.10	8,358.57	-212.53	550.29	-199.52	0.06	0.00	-1.60
8,501.00	2.00	163.30	8,453.51	-215.71	551.22	-202.68	0.03	0.00	-0.84
8,596.00	2.00	158.10	8,548.45	-218.84	552.31	-205.78	0.19	0.00	-5.47
8,689.00	1.90	157.60	8,641.40	-221.77	553.51	-208.68	0.11	-0.11	-0.54
8,784.00	1.90	155.90	8,736.35	-224.66	554.75	-211.55	0.06	0.00	-1.79
8,879.00	1.90	152.60	8,831.29	-227.50	556.12	-214.35	0.12	0.00	-3.47

Devon Energy

Survey Report

Company:	WCDSC Permian NM	Local Co-ordinate Reference:	Well Blondie 15-3 Fed Com 2H
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Design:	Final Surveys (Total Dir)	Database:	EDM r5000.16_Prod US

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,973.00	1.80	155.30	8,925.25	-230.22	557.45	-217.04	0.14	-0.11	2.87
9,067.00	1.60	155.00	9,019.20	-232.75	558.62	-219.54	0.21	-0.21	-0.32
9,161.00	1.50	157.00	9,113.17	-235.07	559.66	-221.84	0.12	-0.11	2.13
9,256.00	1.20	158.80	9,208.14	-237.15	560.50	-223.89	0.32	-0.32	1.89
9,351.00	1.10	161.40	9,303.12	-238.94	561.15	-225.67	0.12	-0.11	2.74
9,445.00	1.00	160.40	9,397.11	-240.57	561.72	-227.28	0.11	-0.11	-1.06
9,539.00	0.70	154.50	9,491.10	-241.86	562.24	-228.56	0.33	-0.32	-6.28
9,633.00	0.40	146.00	9,585.09	-242.65	562.67	-229.34	0.33	-0.32	-9.04
9,727.00	0.30	51.00	9,679.09	-242.76	563.04	-229.45	0.55	-0.11	-101.06
9,821.00	0.40	22.40	9,773.09	-242.31	563.36	-228.98	0.21	0.11	-30.43
9,915.00	0.70	18.10	9,867.09	-241.46	563.66	-228.13	0.32	0.32	-4.57
10,010.00	0.80	25.90	9,962.08	-240.31	564.13	-226.97	0.15	0.11	8.21
10,104.00	0.90	27.20	10,056.07	-239.06	564.76	-225.71	0.11	0.11	1.38
10,188.00	1.20	17.60	10,140.05	-237.64	565.33	-224.27	0.41	0.36	-11.43
10,282.00	1.40	12.60	10,234.03	-235.58	565.87	-222.20	0.24	0.21	-5.32
10,376.00	0.80	28.30	10,328.01	-233.88	566.43	-220.49	0.71	-0.64	16.70
10,471.00	0.20	346.20	10,423.01	-233.13	566.71	-219.74	0.70	-0.63	-44.32
10,565.00	1.00	238.00	10,517.00	-233.41	565.97	-220.03	1.15	0.85	-115.11
10,659.00	1.50	233.90	10,610.98	-234.57	564.29	-221.23	0.54	0.53	-4.36
10,753.00	1.70	221.70	10,704.94	-236.34	562.36	-223.04	0.42	0.21	-12.98
10,848.00	1.80	217.30	10,799.90	-238.57	560.52	-225.32	0.18	0.11	-4.63
10,943.00	2.90	240.20	10,894.82	-240.96	557.53	-227.77	1.50	1.16	24.11
11,037.00	4.40	254.60	10,988.63	-243.10	551.99	-230.04	1.86	1.60	15.32
11,131.00	4.00	258.40	11,082.38	-244.71	545.30	-231.81	0.52	-0.43	4.04
11,226.00	3.50	258.00	11,177.17	-245.98	539.22	-233.23	0.53	-0.53	-0.42
11,320.00	3.40	264.90	11,271.00	-246.83	533.64	-234.20	0.45	-0.11	7.34
11,414.00	3.30	272.00	11,364.84	-246.98	528.16	-234.48	0.45	-0.11	7.55
11,508.00	3.40	276.80	11,458.68	-246.55	522.69	-234.19	0.32	0.11	5.11
11,603.00	3.00	288.70	11,553.54	-245.42	517.54	-233.18	0.81	-0.42	12.53
11,696.00	2.40	307.00	11,646.43	-243.47	513.67	-231.32	1.12	-0.65	19.68
11,790.00	2.30	314.90	11,740.35	-240.96	510.77	-228.87	0.36	-0.11	8.40
11,884.00	2.30	319.80	11,834.28	-238.18	508.21	-226.16	0.21	0.00	5.21
11,979.00	2.30	317.80	11,929.20	-235.32	505.70	-223.35	0.08	0.00	-2.11
12,073.00	2.20	315.60	12,023.13	-232.63	503.17	-220.73	0.14	-0.11	-2.34
12,168.00	2.20	317.10	12,118.06	-229.99	500.66	-218.15	0.06	0.00	1.58
12,262.00	1.60	326.10	12,212.01	-227.58	498.70	-215.78	0.71	-0.64	9.57
12,356.00	1.00	303.30	12,305.98	-226.04	497.28	-214.28	0.83	-0.64	-24.26
12,439.00	0.80	275.00	12,388.97	-225.59	496.10	-213.86	0.58	-0.24	-34.10
12,514.00	0.70	259.60	12,463.97	-225.63	495.12	-213.92	0.30	-0.13	-20.53
12,607.00	4.70	342.10	12,556.86	-222.10	493.39	-210.43	5.01	4.30	88.71
12,702.00	11.80	339.10	12,650.82	-209.31	488.73	-197.75	7.48	7.47	-3.16
12,796.00	25.50	350.90	12,739.70	-180.20	482.06	-168.81	15.05	14.57	12.55
12,891.00	35.70	347.30	12,821.37	-132.84	472.71	-121.68	10.90	10.74	-3.79
12,985.00	46.30	349.70	12,892.21	-72.48	460.57	-61.62	11.40	11.28	2.55

Devon Energy

Survey Report

Company:	WCDSC Permian NM	Local Co-ordinate Reference:	Well Blondie 15-3 Fed Com 2H
Project:	Lea County (NAD83 New Mexico East)	TVD Reference:	RKB @ 3302.80ft
Site:	Sec 15-T26S-R34E	MD Reference:	RKB @ 3302.80ft
Well:	Blondie 15-3 Fed Com 2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Final Surveys (Total Dir)	Database:	EDM r5000.16_Prod US

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,079.00	54.20	352.00	12,952.28	-1.18	449.17	9.39	8.61	8.40	2.45
13,173.00	64.10	356.60	13,000.44	79.01	441.33	89.37	11.33	10.53	4.89
13,267.00	77.90	357.70	13,030.97	167.56	436.96	177.79	14.72	14.68	1.17
13,361.00	89.40	0.00	13,041.35	260.80	435.11	270.97	12.47	12.23	2.45
13,453.00	90.30	3.20	13,041.59	352.75	437.68	362.95	3.61	0.98	3.48
13,544.00	89.00	359.60	13,042.15	443.71	439.90	453.93	4.21	-1.43	-3.96
13,636.00	88.90	355.60	13,043.83	535.59	436.05	545.70	4.35	-0.11	-4.35
13,726.00	88.60	355.30	13,045.80	625.29	428.91	635.21	0.47	-0.33	-0.33
13,817.00	86.50	354.20	13,049.69	715.82	420.59	725.51	2.60	-2.31	-1.21
13,908.00	89.90	353.90	13,052.54	806.27	411.17	815.72	3.75	3.74	-0.33
13,997.00	90.10	357.10	13,052.54	894.98	404.19	904.24	3.60	0.22	3.60
14,087.00	90.70	356.90	13,051.91	984.86	399.48	993.98	0.70	0.67	-0.22
14,176.00	91.80	356.80	13,049.97	1,073.70	394.59	1,082.69	1.24	1.24	-0.11
14,266.00	89.60	358.40	13,048.87	1,163.60	390.82	1,172.48	3.02	-2.44	1.78
14,357.00	90.00	358.30	13,049.19	1,254.57	388.20	1,263.35	0.45	0.44	-0.11
14,448.00	89.60	358.20	13,049.51	1,345.52	385.42	1,354.22	0.45	-0.44	-0.11
14,539.00	90.00	358.50	13,049.83	1,436.48	382.80	1,445.09	0.55	0.44	0.33
14,630.00	90.10	0.20	13,049.75	1,527.48	381.77	1,536.03	1.87	0.11	1.87
14,720.00	91.20	0.60	13,048.73	1,617.47	382.39	1,626.02	1.30	1.22	0.44
14,814.00	91.80	0.40	13,046.27	1,711.43	383.21	1,719.97	0.67	0.64	-0.21
14,908.00	90.20	358.90	13,044.63	1,805.41	382.64	1,813.91	2.33	-1.70	-1.60
15,002.00	88.50	359.50	13,045.69	1,899.39	381.33	1,907.83	1.92	-1.81	0.64
15,096.00	88.30	359.30	13,048.32	1,993.35	380.34	2,001.74	0.30	-0.21	-0.21
15,190.00	88.90	359.00	13,050.61	2,087.31	378.95	2,095.65	0.71	0.64	-0.32
15,284.00	88.00	359.30	13,053.16	2,181.26	377.56	2,189.54	1.01	-0.96	0.32
15,378.00	90.00	359.20	13,054.80	2,275.23	376.33	2,283.46	2.13	2.13	-0.11
15,472.00	90.50	359.30	13,054.39	2,369.23	375.10	2,377.40	0.54	0.53	0.11
15,567.00	91.10	0.60	13,053.06	2,464.21	375.01	2,472.36	1.51	0.63	1.37
15,660.00	88.40	358.60	13,053.46	2,557.20	374.36	2,565.30	3.61	-2.90	-2.15
15,754.00	89.20	358.90	13,055.43	2,651.15	372.31	2,659.18	0.91	0.85	0.32
15,848.00	88.90	358.60	13,056.99	2,745.12	370.26	2,753.07	0.45	-0.32	-0.32
15,942.00	90.10	358.20	13,057.81	2,839.08	367.64	2,846.94	1.35	1.28	-0.43
16,036.00	90.40	358.40	13,057.40	2,933.03	364.85	2,940.81	0.38	0.32	0.21
16,130.00	90.40	358.50	13,056.75	3,027.00	362.31	3,034.68	0.11	0.00	0.11
16,224.00	90.00	358.20	13,056.42	3,120.96	359.60	3,128.55	0.53	-0.43	-0.32
16,318.00	90.30	358.30	13,056.17	3,214.91	356.73	3,222.42	0.34	0.32	0.11
16,412.00	90.10	357.80	13,055.84	3,308.86	353.53	3,316.26	0.57	-0.21	-0.53
16,506.00	91.10	357.10	13,054.86	3,402.76	349.35	3,410.03	1.30	1.06	-0.74
16,600.00	91.10	358.90	13,053.05	3,496.68	346.07	3,503.85	1.91	0.00	1.91
16,695.00	91.60	358.70	13,050.82	3,591.63	344.08	3,598.73	0.57	0.53	-0.21
16,789.00	91.50	357.50	13,048.27	3,685.54	340.97	3,692.55	1.28	-0.11	-1.28
16,883.00	92.00	357.50	13,045.40	3,779.41	336.87	3,786.29	0.53	0.53	0.00
16,977.00	92.20	358.60	13,041.96	3,873.29	333.67	3,880.07	1.19	0.21	1.17

Devon Energy

Survey Report

Company:	WCDSC Permian NM	Local Co-ordinate Reference:	Well Blondie 15-3 Fed Com 2H
Project:	Lea County (NAD83 New Mexico East)	TVD Reference:	RKB @ 3302.80ft
Site:	Sec 15-T26S-R34E	MD Reference:	RKB @ 3302.80ft
Well:	Blondie 15-3 Fed Com 2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Final Surveys (Total Dir)	Database:	EDM r5000.16_Prod US

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,072.00	89.70	359.80	13,040.38	3,968.26	332.34	3,974.98	2.92	-2.63	1.26
17,166.00	89.40	359.30	13,041.12	4,062.25	331.61	4,068.93	0.62	-0.32	-0.53
17,260.00	89.80	358.50	13,041.78	4,156.23	329.80	4,162.84	0.95	0.43	-0.85
17,354.00	89.00	358.30	13,042.76	4,250.19	327.18	4,256.71	0.88	-0.85	-0.21
17,447.00	90.40	359.90	13,043.25	4,343.17	325.72	4,349.63	2.29	1.51	1.72
17,541.00	91.60	0.70	13,041.61	4,437.15	326.21	4,443.60	1.53	1.28	0.85
17,635.00	91.90	1.20	13,038.74	4,531.10	327.77	4,537.55	0.62	0.32	0.53
17,730.00	92.10	0.70	13,035.42	4,626.03	329.34	4,632.49	0.57	0.21	-0.53
17,824.00	92.40	0.90	13,031.73	4,719.94	330.65	4,726.42	0.38	0.32	0.21
17,919.00	89.60	1.00	13,030.07	4,814.91	332.23	4,821.39	2.95	-2.95	0.11
18,013.00	89.50	0.80	13,030.81	4,908.89	333.70	4,915.38	0.24	-0.11	-0.21
18,107.00	90.00	1.60	13,031.22	5,002.87	335.67	5,009.38	1.00	0.53	0.85
18,201.00	91.40	3.30	13,030.07	5,096.77	339.69	5,103.35	2.34	1.49	1.81
18,295.00	90.00	2.90	13,028.93	5,190.62	344.77	5,197.30	1.55	-1.49	-0.43
18,390.00	88.30	0.00	13,030.34	5,285.57	347.18	5,292.27	3.54	-1.79	-3.05
18,483.00	87.60	359.40	13,033.66	5,378.51	346.69	5,385.18	0.99	-0.75	-0.65
18,577.00	90.30	359.30	13,035.38	5,472.48	345.62	5,479.09	2.87	2.87	-0.11
18,671.00	88.90	358.50	13,036.04	5,566.45	343.82	5,573.00	1.72	-1.49	-0.85
18,764.00	91.40	358.70	13,035.80	5,659.42	341.55	5,665.89	2.70	2.69	0.22
18,859.00	91.60	358.30	13,033.31	5,754.35	339.06	5,760.74	0.47	0.21	-0.42
18,953.00	92.00	358.70	13,030.36	5,848.27	336.60	5,854.58	0.60	0.43	0.43
19,048.00	88.40	357.50	13,030.03	5,943.20	333.45	5,949.40	3.99	-3.79	-1.26
19,142.00	89.80	358.40	13,031.50	6,037.13	330.09	6,043.22	1.77	1.49	0.96
19,236.00	89.60	357.50	13,032.00	6,131.07	326.73	6,137.06	0.98	-0.21	-0.96
19,330.00	89.30	356.50	13,032.90	6,224.93	321.81	6,230.78	1.11	-0.32	-1.06
19,424.00	89.70	357.20	13,033.72	6,318.79	316.64	6,324.49	0.86	0.43	0.74
19,518.00	91.50	358.40	13,032.73	6,412.71	313.04	6,418.30	2.30	1.91	1.28
19,612.00	91.30	357.50	13,030.44	6,506.62	309.67	6,512.10	0.98	-0.21	-0.96
19,707.00	91.70	358.00	13,027.95	6,601.51	305.95	6,606.88	0.67	0.42	0.53
19,801.00	91.10	358.70	13,025.65	6,695.44	303.24	6,700.72	0.98	-0.64	0.74
19,894.00	91.80	0.80	13,023.30	6,788.41	302.83	6,793.65	2.38	0.75	2.26
19,988.00	91.60	0.00	13,020.51	6,882.36	303.49	6,887.60	0.88	-0.21	-0.85
20,082.00	91.80	0.10	13,017.72	6,976.32	303.57	6,981.53	0.24	0.21	0.11
20,175.00	91.20	0.70	13,015.29	7,069.28	304.22	7,074.49	0.91	-0.65	0.65
20,272.00	89.00	2.70	13,015.12	7,166.23	307.10	7,171.47	3.07	-2.27	2.06
20,365.00	88.60	2.10	13,017.07	7,259.13	310.99	7,264.44	0.78	-0.43	-0.65
20,459.00	88.20	1.80	13,019.69	7,353.04	314.19	7,358.39	0.53	-0.43	-0.32
20,554.00	89.00	0.90	13,022.01	7,447.98	316.43	7,453.36	1.27	0.84	-0.95
20,648.00	88.50	0.50	13,024.06	7,541.95	317.57	7,547.34	0.68	-0.53	-0.43
20,743.00	90.90	0.70	13,024.56	7,636.94	318.57	7,642.32	2.54	2.53	0.21
20,837.00	90.40	359.90	13,023.49	7,730.93	319.06	7,736.30	1.00	-0.53	-0.85
20,931.00	90.90	0.70	13,022.43	7,824.92	319.55	7,830.27	1.00	0.53	0.85
21,025.00	91.10	0.50	13,020.79	7,918.90	320.54	7,924.25	0.30	0.21	-0.21

Devon Energy

Survey Report

Company:	WCDSC Permian NM	Local Co-ordinate Reference:	Well Blondie 15-3 Fed Com 2H
Project:	Lea County (NAD83 New Mexico East)	TVD Reference:	RKB @ 3302.80ft
Site:	Sec 15-T26S-R34E	MD Reference:	RKB @ 3302.80ft
Well:	Blondie 15-3 Fed Com 2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Final Surveys (Total Dir)	Database:	EDM r5000.16_Prod US

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
21,120.00	90.40	358.90	13,019.54	8,013.89	320.04	8,019.20	1.84	-0.74	-1.68
21,214.00	90.40	359.20	13,018.89	8,107.87	318.48	8,113.12	0.32	0.00	0.32
21,307.00	90.20	358.60	13,018.40	8,200.85	316.70	8,206.03	0.68	-0.22	-0.65
21,402.00	90.80	359.60	13,017.57	8,295.84	315.20	8,300.96	1.23	0.63	1.05
21,495.00	90.30	359.50	13,016.68	8,388.83	314.47	8,393.91	0.55	-0.54	-0.11
21,589.00	90.20	359.30	13,016.27	8,482.82	313.49	8,487.85	0.24	-0.11	-0.21
21,684.00	90.70	359.80	13,015.52	8,577.82	312.74	8,582.80	0.74	0.53	0.53
21,779.00	90.10	359.20	13,014.86	8,672.81	311.91	8,677.75	0.89	-0.63	-0.63
21,873.00	89.90	359.30	13,014.86	8,766.80	310.68	8,771.68	0.24	-0.21	0.11
21,967.00	89.60	359.30	13,015.27	8,860.79	309.54	8,865.62	0.32	-0.32	0.00
22,061.00	92.20	358.50	13,013.79	8,954.76	307.73	8,959.52	2.89	2.77	-0.85
22,155.00	92.90	358.50	13,009.61	9,048.63	305.27	9,053.31	0.74	0.74	0.00
22,249.00	90.70	358.80	13,006.66	9,142.55	303.06	9,147.15	2.36	-2.34	0.32
22,344.00	91.00	357.80	13,005.25	9,237.50	300.24	9,242.01	1.10	0.32	-1.05
22,438.00	91.10	357.30	13,003.53	9,331.40	296.23	9,335.78	0.54	0.11	-0.53
22,532.00	90.40	358.90	13,002.30	9,425.33	293.11	9,429.62	1.86	-0.74	1.70
22,626.00	90.80	359.30	13,001.31	9,519.32	291.63	9,523.54	0.60	0.43	0.43
22,721.00	90.80	358.00	12,999.98	9,614.28	289.39	9,618.43	1.37	0.00	-1.37
22,815.00	90.10	359.10	12,999.25	9,708.24	287.02	9,712.31	1.39	-0.74	1.17
22,909.00	89.60	358.50	12,999.49	9,802.22	285.05	9,806.21	0.83	-0.53	-0.64
23,004.00	89.10	358.60	13,000.57	9,897.18	282.64	9,901.09	0.54	-0.53	0.11
23,098.00	89.20	359.50	13,001.96	9,991.16	281.09	9,995.01	0.96	0.11	0.96
23,191.00	90.00	358.80	13,002.61	10,084.15	279.71	10,087.94	1.14	0.86	-0.75
23,285.00	89.80	358.90	13,002.78	10,178.13	277.82	10,181.85	0.24	-0.21	0.11
23,379.00	90.50	359.60	13,002.53	10,272.12	276.59	10,275.78	1.05	0.74	0.74
23,473.00	90.70	0.00	13,001.55	10,366.11	276.26	10,369.74	0.48	0.21	0.43
23,565.00	91.00	0.10	13,000.18	10,458.10	276.34	10,461.71	0.34	0.33	0.11
23,659.00	90.80	0.60	12,998.71	10,552.09	276.92	10,555.68	0.57	-0.21	0.53
23,753.00	90.80	0.70	12,997.39	10,646.07	277.98	10,649.67	0.11	0.00	0.11
23,847.00	90.70	0.70	12,996.16	10,740.06	279.13	10,743.65	0.11	-0.11	0.00
23,941.00	91.60	0.80	12,994.28	10,834.03	280.36	10,837.63	0.96	0.96	0.11
24,035.00	91.00	0.50	12,992.14	10,928.00	281.43	10,931.60	0.71	-0.64	-0.32
24,129.00	90.50	0.40	12,990.91	11,021.99	282.16	11,025.58	0.54	-0.53	-0.11
24,224.00	90.00	0.10	12,990.50	11,116.99	282.58	11,120.56	0.61	-0.53	-0.32
24,318.00	89.80	359.60	12,990.66	11,210.98	282.33	11,214.52	0.57	-0.21	-0.53
24,411.00	90.70	0.30	12,990.26	11,303.98	282.25	11,307.49	1.23	0.97	0.75
24,506.00	90.10	0.00	12,989.59	11,398.98	282.50	11,402.47	0.71	-0.63	-0.32
24,600.00	89.40	0.00	12,990.00	11,492.98	282.50	11,496.44	0.74	-0.74	0.00
24,694.00	89.80	0.40	12,990.66	11,586.97	282.83	11,590.42	0.60	0.43	0.43
24,789.00	89.80	0.80	12,990.99	11,681.97	283.82	11,685.41	0.42	0.00	0.42
24,884.00	89.30	0.30	12,991.74	11,776.96	284.74	11,780.40	0.74	-0.53	-0.53
24,978.00	90.10	0.70	12,992.23	11,870.95	285.56	11,874.39	0.95	0.85	0.43
25,072.00	91.80	1.30	12,990.67	11,964.92	287.20	11,968.37	1.92	1.81	0.64
25,166.00	92.90	1.60	12,986.82	12,058.81	289.57	12,062.29	1.21	1.17	0.32

Devon Energy

Survey Report

Company:	WCDSC Permian NM	Local Co-ordinate Reference:	Well Blondie 15-3 Fed Com 2H
Project:	Lea County (NAD83 New Mexico East)	TVD Reference:	RKB @ 3302.80ft
Site:	Sec 15-T26S-R34E	MD Reference:	RKB @ 3302.80ft
Well:	Blondie 15-3 Fed Com 2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Final Surveys (Total Dir)	Database:	EDM r5000.16_Prod US

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
25,261.00	94.20	1.40	12,980.94	12,153.60	292.05	12,157.10	1.38	1.37	-0.21	
25,355.00	92.40	0.30	12,975.52	12,247.42	293.45	12,250.94	2.24	-1.91	-1.17	
25,449.00	92.70	0.40	12,971.34	12,341.33	294.02	12,344.83	0.34	0.32	0.11	
25,543.00	93.20	0.80	12,966.50	12,435.20	295.00	12,438.70	0.68	0.53	0.43	
25,637.00	94.10	0.60	12,960.52	12,529.00	296.15	12,532.50	0.98	0.96	-0.21	
25,678.00	94.70	0.60	12,957.38	12,569.88	296.58	12,573.38	1.46	1.46	0.00	
25,735.00	94.70	0.60	12,952.70	12,626.68	297.17	12,630.18	0.00	0.00	0.00	

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
999.10	999.06	13 3/8"	13-3/8	17-1/2	
12,487.20	12,437.17	8.625	8-5/8	9-7/8	
25,725.00	12,953.52	5 1/2"	5-1/2	6	

Checked By: _____ Approved By: _____ Date: _____



Devon Energy

Lea County, NM (NAD83)

Blondie 15-3 Fed Com

Blondie 15-3 Fed Com 3H

ST01

Design: ST01

Survey Report - Geographic

24 August, 2021





Total Directional Services

Survey Report - Geographic



Company:	Devon Energy	Local Co-ordinate Reference:	Well Blondie 15-3 Fed Com 3H
Project:	Lea County, NM (NAD83)	TVD Reference:	RKB @ 3309.10usft
Site:	Blondie 15-3 Fed Com	MD Reference:	RKB @ 3309.10usft
Well:	Blondie 15-3 Fed Com 3H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	EDM 5000.15 Single User Db

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

Site		Blondie 15-3 Fed Com			
Site Position:		Northing:	381,130.50 usft	Latitude:	32.044805
From:	Map	Easting:	811,669.55 usft	Longitude:	-103.460851
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.46 °

Well	Blondie 15-3 Fed Com 3H					
Well Position	+N/-S	0.00 usft	Northing:	381,120.99 usft	Latitude:	32.044803
	+E/-W	0.00 usft	Easting:	810,615.59 usft	Longitude:	-103.464253
Position Uncertainty		0.50 usft	Wellhead Elevation:	usft	Ground Level:	3,279.10 usft

Wellbore	ST01				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	7/25/2021	6.47	59.75	47,387.88348217

Design	ST01				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	18,746.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	359.27	

Survey Program	Date	8/24/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
179.00	18,746.00	Survey #1 (Wellbore #1)	OWSG (Rev2) MWD	OWSG MWD - Standard	
18,828.00	22,235.00	Survey #2 (ST01)	OWSG (Rev2) MWD	OWSG MWD - Standard	

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	381,120.99	810,615.59	32.044803	-103.464253
179.00	1.00	241.90	178.99	-0.74	-1.38	381,120.25	810,614.21	32.044801	-103.464257
270.00	1.10	244.40	269.98	-1.49	-2.87	381,119.50	810,612.72	32.044799	-103.464262
362.00	1.10	257.30	361.96	-2.06	-4.52	381,118.93	810,611.06	32.044797	-103.464268
452.00	1.10	245.00	451.94	-2.62	-6.15	381,118.37	810,609.44	32.044796	-103.464273
543.00	1.20	254.00	542.92	-3.25	-7.86	381,117.74	810,607.73	32.044794	-103.464278
634.00	1.40	243.50	633.90	-4.01	-9.77	381,116.98	810,605.82	32.044792	-103.464285
723.00	1.50	249.20	722.87	-4.91	-11.83	381,116.08	810,603.76	32.044789	-103.464291
813.00	1.60	247.50	812.84	-5.81	-14.09	381,115.18	810,601.50	32.044787	-103.464299
903.00	1.50	250.40	902.81	-6.68	-16.36	381,114.31	810,599.23	32.044785	-103.464306
936.00	1.60	251.80	935.79	-6.97	-17.21	381,114.02	810,598.38	32.044784	-103.464309



Total Directional Services

Survey Report - Geographic



Company:	Devon Energy	Local Co-ordinate Reference:	Well Blondie 15-3 Fed Com 3H
Project:	Lea County, NM (NAD83)	TVD Reference:	RKB @ 3309.10usft
Site:	Blondie 15-3 Fed Com	MD Reference:	RKB @ 3309.10usft
Well:	Blondie 15-3 Fed Com 3H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,021.00	1.40	255.70	1,020.77	-7.60	-19.34	381,113.39	810,596.25	32.044782	-103.464316
1,113.00	1.70	253.80	1,112.73	-8.26	-21.74	381,112.73	810,593.85	32.044781	-103.464323
1,204.00	1.70	253.00	1,203.69	-9.03	-24.33	381,111.96	810,591.26	32.044778	-103.464332
1,294.00	1.80	251.10	1,293.65	-9.88	-26.94	381,111.11	810,588.65	32.044776	-103.464340
1,385.00	1.50	254.40	1,384.61	-10.66	-29.44	381,110.33	810,586.15	32.044774	-103.464348
1,509.00	1.20	247.20	1,508.58	-11.60	-32.20	381,109.39	810,583.39	32.044772	-103.464357
1,602.00	2.10	187.50	1,601.54	-13.67	-33.32	381,107.32	810,582.27	32.044766	-103.464361
1,696.00	5.60	180.70	1,695.32	-19.96	-33.60	381,101.03	810,581.99	32.044749	-103.464362
1,790.00	5.80	183.50	1,788.85	-29.29	-33.95	381,091.70	810,581.64	32.044723	-103.464363
1,884.00	5.80	185.20	1,882.37	-38.76	-34.67	381,082.23	810,580.92	32.044697	-103.464366
1,979.00	6.00	185.10	1,976.87	-48.48	-35.54	381,072.50	810,580.04	32.044670	-103.464369
2,073.00	5.90	183.60	2,070.36	-58.20	-36.28	381,062.79	810,579.30	32.044644	-103.464372
2,168.00	6.20	181.10	2,164.83	-68.20	-36.69	381,052.79	810,578.90	32.044616	-103.464373
2,262.00	6.20	179.20	2,258.28	-78.35	-36.72	381,042.64	810,578.87	32.044588	-103.464373
2,357.00	6.20	178.90	2,352.73	-88.61	-36.55	381,032.38	810,579.04	32.044560	-103.464373
2,451.00	6.30	178.20	2,446.17	-98.84	-36.29	381,022.15	810,579.30	32.044532	-103.464373
2,545.00	6.30	175.10	2,539.60	-109.13	-35.68	381,011.85	810,579.90	32.044504	-103.464371
2,640.00	6.50	174.20	2,634.01	-119.68	-34.70	381,001.31	810,580.89	32.044475	-103.464368
2,734.00	6.60	173.50	2,727.40	-130.34	-33.55	380,990.65	810,582.04	32.044445	-103.464365
2,828.00	5.60	164.40	2,820.86	-140.12	-31.70	380,980.86	810,583.89	32.044418	-103.464359
2,922.00	5.50	155.80	2,914.43	-148.65	-28.62	380,972.34	810,586.97	32.044395	-103.464349
3,016.00	5.60	152.90	3,007.98	-156.84	-24.69	380,964.15	810,590.90	32.044372	-103.464337
3,110.00	5.70	148.10	3,101.53	-164.89	-20.13	380,956.10	810,595.46	32.044350	-103.464322
3,204.00	6.00	141.70	3,195.04	-172.71	-14.62	380,948.28	810,600.97	32.044328	-103.464305
3,298.00	5.10	140.50	3,288.60	-179.79	-8.92	380,941.20	810,606.67	32.044309	-103.464286
3,392.00	4.40	142.40	3,382.28	-185.87	-4.06	380,935.12	810,611.53	32.044292	-103.464271
3,487.00	2.90	157.50	3,477.08	-190.97	-0.91	380,930.01	810,614.67	32.044278	-103.464261
3,582.00	2.50	159.90	3,571.98	-195.14	0.72	380,925.85	810,616.31	32.044266	-103.464256
3,675.00	2.20	183.60	3,664.90	-198.83	1.30	380,922.16	810,616.89	32.044256	-103.464254
3,770.00	2.00	177.50	3,759.84	-202.30	1.26	380,918.69	810,616.85	32.044247	-103.464254
3,865.00	1.90	156.60	3,854.78	-205.40	1.96	380,915.58	810,617.55	32.044238	-103.464252
3,960.00	2.50	164.80	3,949.71	-208.85	3.13	380,912.14	810,618.71	32.044229	-103.464248
4,054.00	2.90	159.80	4,043.61	-213.06	4.49	380,907.93	810,620.07	32.044217	-103.464244
4,148.00	2.60	162.60	4,137.50	-217.33	5.94	380,903.66	810,621.53	32.044205	-103.464239
4,243.00	2.30	189.20	4,232.42	-221.26	6.28	380,899.73	810,621.87	32.044194	-103.464238
4,337.00	2.70	187.80	4,326.33	-225.32	5.68	380,895.67	810,621.27	32.044183	-103.464240
4,431.00	2.40	164.70	4,420.24	-229.41	5.90	380,891.58	810,621.49	32.044172	-103.464240
4,526.00	2.00	178.50	4,515.17	-232.99	6.47	380,888.00	810,622.06	32.044162	-103.464238
4,621.00	2.30	162.50	4,610.10	-236.46	7.09	380,884.53	810,622.67	32.044153	-103.464236
4,715.00	2.50	174.80	4,704.02	-240.30	7.84	380,880.69	810,623.43	32.044142	-103.464234
4,809.00	2.50	170.80	4,797.93	-244.37	8.35	380,876.62	810,623.94	32.044131	-103.464232
4,903.00	2.50	159.80	4,891.84	-248.32	9.39	380,872.67	810,624.98	32.044120	-103.464229
4,998.00	2.80	182.40	4,986.74	-252.58	10.01	380,868.41	810,625.59	32.044108	-103.464227
5,092.00	3.70	197.10	5,080.59	-257.77	9.02	380,863.22	810,624.61	32.044094	-103.464231
5,187.00	3.20	195.90	5,175.42	-263.25	7.39	380,857.74	810,622.98	32.044079	-103.464236
5,281.00	2.80	198.30	5,269.29	-267.95	5.95	380,853.03	810,621.54	32.044066	-103.464241
5,376.00	2.20	199.70	5,364.20	-271.87	4.61	380,849.11	810,620.20	32.044055	-103.464245
5,470.00	2.10	199.70	5,458.13	-275.19	3.42	380,845.79	810,619.01	32.044046	-103.464249
5,564.00	2.00	201.80	5,552.07	-278.34	2.23	380,842.65	810,617.82	32.044038	-103.464253
5,658.00	1.90	197.20	5,646.02	-281.35	1.16	380,839.64	810,616.75	32.044029	-103.464257
5,753.00	1.80	197.60	5,740.97	-284.28	0.24	380,836.71	810,615.83	32.044021	-103.464260
5,847.00	1.70	204.00	5,834.92	-286.96	-0.77	380,834.03	810,614.82	32.044014	-103.464263
5,942.00	1.70	204.70	5,929.88	-289.53	-1.93	380,831.46	810,613.65	32.044007	-103.464267
6,037.00	1.80	200.60	6,024.84	-292.20	-3.05	380,828.79	810,612.54	32.044000	-103.464270
6,131.00	1.70	200.80	6,118.79	-294.89	-4.06	380,826.10	810,611.53	32.043992	-103.464274



Total Directional Services

Survey Report - Geographic



Company:	Devon Energy	Local Co-ordinate Reference:	Well Blondie 15-3 Fed Com 3H
Project:	Lea County, NM (NAD83)	TVD Reference:	RKB @ 3309.10usft
Site:	Blondie 15-3 Fed Com	MD Reference:	RKB @ 3309.10usft
Well:	Blondie 15-3 Fed Com 3H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
6,225.00	1.60	199.30	6,212.75	-297.43	-4.99	380,823.56	810,610.60	32.043985	-103.464277
6,319.00	1.40	203.20	6,306.72	-299.72	-5.88	380,821.26	810,609.71	32.043979	-103.464280
6,414.00	1.30	203.20	6,401.70	-301.78	-6.76	380,819.21	810,608.83	32.043973	-103.464283
6,508.00	1.10	201.30	6,495.68	-303.60	-7.51	380,817.39	810,608.08	32.043968	-103.464285
6,603.00	1.00	198.30	6,590.66	-305.24	-8.10	380,815.75	810,607.49	32.043964	-103.464287
6,698.00	1.00	198.30	6,685.65	-306.81	-8.62	380,814.18	810,606.97	32.043960	-103.464289
6,792.00	0.90	197.80	6,779.63	-308.29	-9.10	380,812.69	810,606.49	32.043956	-103.464290
6,887.00	1.00	199.30	6,874.62	-309.79	-9.60	380,811.20	810,605.98	32.043951	-103.464292
6,980.00	0.90	199.50	6,967.61	-311.24	-10.12	380,809.75	810,605.47	32.043947	-103.464294
7,075.00	0.80	198.80	7,062.60	-312.57	-10.58	380,808.42	810,605.01	32.043944	-103.464295
7,169.00	0.90	197.00	7,156.59	-313.90	-11.01	380,807.09	810,604.58	32.043940	-103.464297
7,263.00	0.60	148.30	7,250.58	-315.02	-10.96	380,805.96	810,604.62	32.043937	-103.464297
7,357.00	0.90	77.70	7,344.57	-315.29	-9.98	380,805.70	810,605.60	32.043936	-103.464293
7,451.00	0.90	71.30	7,438.56	-314.89	-8.56	380,806.10	810,607.03	32.043937	-103.464289
7,546.00	0.80	73.00	7,533.55	-314.46	-7.22	380,806.53	810,608.37	32.043939	-103.464284
7,640.00	0.70	76.20	7,627.54	-314.13	-6.04	380,806.86	810,609.55	32.043939	-103.464281
7,734.00	0.70	93.20	7,721.53	-314.03	-4.91	380,806.96	810,610.68	32.043940	-103.464277
7,829.00	0.70	45.60	7,816.53	-313.65	-3.91	380,807.34	810,611.68	32.043941	-103.464274
7,924.00	1.30	29.80	7,911.51	-312.31	-2.96	380,808.68	810,612.63	32.043944	-103.464271
8,019.00	1.30	30.80	8,006.49	-310.45	-1.87	380,810.54	810,613.71	32.043949	-103.464267
8,113.00	1.00	28.60	8,100.47	-308.81	-0.94	380,812.18	810,614.65	32.043954	-103.464264
8,207.00	0.70	15.10	8,194.46	-307.54	-0.39	380,813.45	810,615.19	32.043957	-103.464262
8,302.00	0.60	13.50	8,289.45	-306.49	-0.13	380,814.49	810,615.46	32.043960	-103.464261
8,395.00	0.40	4.50	8,382.45	-305.70	0.01	380,815.29	810,615.60	32.043962	-103.464261
8,490.00	0.30	13.10	8,477.45	-305.12	0.10	380,815.86	810,615.68	32.043964	-103.464261
8,584.00	0.40	34.90	8,571.45	-304.62	0.34	380,816.37	810,615.93	32.043965	-103.464260
8,679.00	0.50	44.60	8,666.44	-304.05	0.82	380,816.94	810,616.41	32.043967	-103.464258
8,773.00	0.60	55.00	8,760.44	-303.47	1.51	380,817.51	810,617.10	32.043969	-103.464256
8,867.00	0.50	65.20	8,854.44	-303.02	2.29	380,817.97	810,617.87	32.043970	-103.464253
8,962.00	0.40	81.80	8,949.43	-302.80	2.99	380,818.19	810,618.58	32.043970	-103.464251
9,056.00	0.40	81.90	9,043.43	-302.71	3.64	380,818.28	810,619.23	32.043971	-103.464249
9,150.00	0.40	82.60	9,137.43	-302.62	4.29	380,818.37	810,619.88	32.043971	-103.464247
9,245.00	0.40	83.60	9,232.43	-302.54	4.95	380,818.45	810,620.54	32.043971	-103.464245
9,339.00	0.30	91.50	9,326.42	-302.51	5.52	380,818.48	810,621.11	32.043971	-103.464243
9,434.00	0.40	91.40	9,421.42	-302.52	6.10	380,818.47	810,621.69	32.043971	-103.464241
9,529.00	0.40	105.80	9,516.42	-302.62	6.75	380,818.37	810,622.34	32.043971	-103.464239
9,623.00	0.30	78.80	9,610.42	-302.66	7.31	380,818.33	810,622.90	32.043971	-103.464237
9,717.00	0.60	70.00	9,704.41	-302.45	8.01	380,818.54	810,623.60	32.043971	-103.464235
9,811.00	0.70	86.00	9,798.41	-302.24	9.05	380,818.75	810,624.64	32.043972	-103.464232
9,905.00	0.50	57.90	9,892.40	-301.98	9.97	380,819.01	810,625.56	32.043972	-103.464229
9,999.00	0.70	339.90	9,986.40	-301.22	10.12	380,819.77	810,625.71	32.043975	-103.464228
10,094.00	0.60	336.30	10,081.39	-300.22	9.72	380,820.77	810,625.31	32.043977	-103.464229
10,188.00	0.70	308.60	10,175.39	-299.41	9.07	380,821.58	810,624.66	32.043980	-103.464231
10,282.00	0.60	347.20	10,269.38	-298.58	8.52	380,822.41	810,624.10	32.043982	-103.464233
10,376.00	0.60	322.70	10,363.38	-297.70	8.11	380,823.28	810,623.70	32.043984	-103.464235
10,470.00	1.00	307.30	10,457.37	-296.82	7.16	380,824.17	810,622.75	32.043987	-103.464238
10,565.00	1.20	302.60	10,552.35	-295.78	5.66	380,825.21	810,621.25	32.043990	-103.464242
10,659.00	1.40	292.30	10,646.33	-294.81	3.77	380,826.18	810,619.36	32.043992	-103.464248
10,753.00	1.10	284.20	10,740.30	-294.15	1.83	380,826.83	810,617.42	32.043994	-103.464255
10,848.00	1.00	282.30	10,835.29	-293.75	0.14	380,827.24	810,615.72	32.043995	-103.464260
10,943.00	1.10	268.30	10,930.27	-293.60	-1.58	380,827.38	810,614.00	32.043996	-103.464266
11,037.00	1.30	262.50	11,024.25	-293.77	-3.54	380,827.22	810,612.04	32.043995	-103.464272
11,131.00	1.70	260.10	11,118.22	-294.15	-5.97	380,826.84	810,609.61	32.043994	-103.464280
11,226.00	1.50	254.50	11,213.18	-294.72	-8.56	380,826.27	810,607.03	32.043993	-103.464288
11,320.00	1.70	228.90	11,307.15	-295.97	-10.80	380,825.02	810,604.79	32.043989	-103.464295



Total Directional Services

Survey Report - Geographic



Company:	Devon Energy	Local Co-ordinate Reference:	Well Blondie 15-3 Fed Com 3H
Project:	Lea County, NM (NAD83)	TVD Reference:	RKB @ 3309.10usft
Site:	Blondie 15-3 Fed Com	MD Reference:	RKB @ 3309.10usft
Well:	Blondie 15-3 Fed Com 3H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
11,414.00	2.30	202.50	11,401.09	-298.63	-12.57	380,822.36	810,603.02	32.043982	-103.464301
11,508.00	2.90	184.50	11,495.00	-302.74	-13.48	380,818.25	810,602.11	32.043971	-103.464304
11,603.00	3.60	181.10	11,589.84	-308.12	-13.72	380,812.87	810,601.86	32.043956	-103.464305
11,697.00	3.80	184.10	11,683.65	-314.18	-14.00	380,806.81	810,601.58	32.043939	-103.464306
11,790.00	3.90	183.40	11,776.44	-320.41	-14.41	380,800.58	810,601.18	32.043922	-103.464308
11,885.00	4.60	188.20	11,871.17	-327.40	-15.15	380,793.59	810,600.44	32.043903	-103.464310
11,980.00	3.70	194.60	11,965.93	-334.14	-16.46	380,786.85	810,599.13	32.043885	-103.464315
12,073.00	3.00	192.20	12,058.77	-339.42	-17.73	380,781.57	810,597.86	32.043870	-103.464319
12,168.00	2.20	190.50	12,153.67	-343.65	-18.59	380,777.34	810,597.00	32.043859	-103.464322
12,241.00	1.90	193.60	12,226.62	-346.20	-19.13	380,774.79	810,596.46	32.043852	-103.464324
12,307.00	2.50	186.50	12,292.57	-348.69	-19.55	380,772.30	810,596.04	32.043845	-103.464325
12,401.00	2.60	8.30	12,386.54	-348.62	-19.47	380,772.37	810,596.11	32.043845	-103.464325
12,495.00	13.70	347.90	12,479.46	-335.58	-21.51	380,785.40	810,594.08	32.043881	-103.464331
12,589.00	23.30	352.00	12,568.50	-306.22	-26.44	380,814.77	810,589.15	32.043962	-103.464346
12,684.00	35.90	354.00	12,650.94	-259.73	-31.99	380,861.26	810,583.60	32.044090	-103.464363
12,778.00	46.10	354.60	12,721.78	-198.44	-38.07	380,922.55	810,577.52	32.044258	-103.464381
12,872.00	57.90	358.30	12,779.57	-124.65	-42.46	380,996.34	810,573.13	32.044461	-103.464393
12,967.00	68.70	3.30	12,822.21	-39.95	-41.10	381,081.03	810,574.49	32.044694	-103.464387
13,061.00	79.70	359.50	12,847.77	50.31	-38.97	381,171.30	810,576.61	32.044942	-103.464377
13,155.00	91.10	355.60	12,855.30	143.75	-43.00	381,264.74	810,572.59	32.045199	-103.464388
13,248.00	91.20	353.50	12,853.44	236.31	-51.83	381,357.29	810,563.76	32.045453	-103.464414
13,342.00	91.80	354.10	12,850.98	329.72	-61.98	381,450.71	810,553.61	32.045710	-103.464444
13,434.00	89.30	354.80	12,850.09	421.28	-70.87	381,542.27	810,544.72	32.045962	-103.464471
13,526.00	90.00	354.90	12,850.66	512.91	-79.13	381,633.89	810,536.46	32.046214	-103.464495
13,617.00	91.00	355.30	12,849.86	603.57	-86.90	381,724.56	810,528.68	32.046464	-103.464518
13,707.00	91.10	355.40	12,848.21	693.26	-94.20	381,814.25	810,521.39	32.046710	-103.464539
13,798.00	89.10	357.70	12,848.05	784.08	-99.67	381,905.07	810,515.91	32.046960	-103.464554
13,889.00	90.20	358.50	12,848.61	875.03	-102.69	381,996.02	810,512.90	32.047210	-103.464562
13,979.00	90.70	358.10	12,847.90	964.98	-105.36	382,085.97	810,510.23	32.047457	-103.464568
14,068.00	91.70	0.80	12,846.04	1,053.95	-106.22	382,174.94	810,509.37	32.047702	-103.464568
14,157.00	87.40	0.70	12,846.74	1,142.92	-105.05	382,263.91	810,510.54	32.047947	-103.464562
14,248.00	90.00	0.50	12,848.80	1,233.88	-104.10	382,354.87	810,511.49	32.048197	-103.464557
14,338.00	90.60	0.70	12,848.33	1,323.88	-103.16	382,444.87	810,512.43	32.048444	-103.464551
14,429.00	91.00	359.60	12,847.06	1,414.87	-102.92	382,535.85	810,512.67	32.048694	-103.464548
14,520.00	91.80	0.20	12,844.84	1,505.84	-103.08	382,626.83	810,512.51	32.048944	-103.464546
14,611.00	91.20	358.30	12,842.45	1,596.79	-104.27	382,717.78	810,511.32	32.049194	-103.464548
14,702.00	91.60	357.70	12,840.23	1,687.71	-107.44	382,808.70	810,508.15	32.049444	-103.464556
14,795.00	89.20	358.10	12,839.58	1,780.64	-110.85	382,901.63	810,504.74	32.049700	-103.464564
14,889.00	90.80	2.20	12,839.58	1,874.62	-110.60	382,995.60	810,504.98	32.049958	-103.464561
14,983.00	89.90	4.30	12,839.01	1,968.46	-105.27	383,089.45	810,510.31	32.050216	-103.464542
15,077.00	90.40	3.60	12,838.76	2,062.23	-98.80	383,183.22	810,516.79	32.050473	-103.464518
15,171.00	91.60	5.30	12,837.12	2,155.93	-91.51	383,276.92	810,524.08	32.050731	-103.464492
15,265.00	88.30	358.50	12,837.20	2,249.81	-88.39	383,370.80	810,527.19	32.050989	-103.464480
15,359.00	88.60	357.70	12,839.75	2,343.72	-91.51	383,464.71	810,524.08	32.051247	-103.464487
15,454.00	88.80	356.50	12,841.90	2,438.58	-96.31	383,559.56	810,519.27	32.051508	-103.464500
15,548.00	90.90	358.10	12,842.15	2,532.46	-100.74	383,653.45	810,514.85	32.051766	-103.464512
15,642.00	91.30	358.70	12,840.34	2,626.41	-103.37	383,747.40	810,512.22	32.052024	-103.464518
15,736.00	91.60	358.70	12,837.96	2,720.35	-105.50	383,841.34	810,510.09	32.052282	-103.464523
15,830.00	90.90	357.10	12,835.91	2,814.26	-108.94	383,935.25	810,506.65	32.052541	-103.464531
15,924.00	90.00	355.50	12,835.17	2,908.06	-115.01	384,029.05	810,500.58	32.052799	-103.464549
16,018.00	91.50	356.40	12,833.94	3,001.81	-121.64	384,122.80	810,493.94	32.053056	-103.464568
16,112.00	92.10	357.60	12,830.99	3,095.64	-126.56	384,216.63	810,489.03	32.053314	-103.464581
16,205.00	91.30	0.30	12,828.23	3,188.57	-128.26	384,309.56	810,487.32	32.053570	-103.464584
16,299.00	91.30	359.30	12,826.10	3,282.55	-128.59	384,403.53	810,487.00	32.053828	-103.464583
16,393.00	90.40	358.80	12,824.70	3,376.52	-130.15	384,497.51	810,485.44	32.054087	-103.464585



Total Directional Services

Survey Report - Geographic



Company:	Devon Energy	Local Co-ordinate Reference:	Well Blondie 15-3 Fed Com 3H
Project:	Lea County, NM (NAD83)	TVD Reference:	RKB @ 3309.10usft
Site:	Blondie 15-3 Fed Com	MD Reference:	RKB @ 3309.10usft
Well:	Blondie 15-3 Fed Com 3H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
16,487.00	89.00	357.30	12,825.20	3,470.46	-133.35	384,591.45	810,482.24	32.054345	-103.464593
16,582.00	89.10	358.20	12,826.77	3,565.37	-137.08	384,686.36	810,478.51	32.054606	-103.464603
16,676.00	89.40	1.40	12,828.00	3,659.35	-137.41	384,780.34	810,478.18	32.054864	-103.464601
16,770.00	90.70	3.30	12,827.92	3,753.27	-133.55	384,874.26	810,482.04	32.055122	-103.464586
16,864.00	90.00	4.30	12,827.35	3,847.06	-127.32	384,968.05	810,488.27	32.055380	-103.464564
16,958.00	89.10	5.00	12,828.08	3,940.74	-119.70	385,061.73	810,495.89	32.055637	-103.464537
17,053.00	89.60	2.30	12,829.16	4,035.53	-113.66	385,156.52	810,501.93	32.055898	-103.464515
17,147.00	89.10	3.00	12,830.23	4,129.43	-109.31	385,250.42	810,506.28	32.056156	-103.464498
17,241.00	90.60	2.10	12,830.48	4,223.33	-105.13	385,344.32	810,510.46	32.056414	-103.464483
17,335.00	91.10	359.80	12,829.08	4,317.30	-103.57	385,438.29	810,512.02	32.056672	-103.464475
17,429.00	90.20	358.20	12,828.01	4,411.28	-105.21	385,532.26	810,510.38	32.056930	-103.464478
17,523.00	91.00	358.00	12,827.03	4,505.22	-108.33	385,626.21	810,507.26	32.057188	-103.464486
17,617.00	89.30	355.20	12,826.78	4,599.04	-113.90	385,720.03	810,501.69	32.057446	-103.464501
17,711.00	89.50	356.80	12,827.77	4,692.80	-120.46	385,813.79	810,495.13	32.057704	-103.464520
17,806.00	92.00	0.60	12,826.52	4,787.75	-122.61	385,908.73	810,492.97	32.057965	-103.464524
17,900.00	89.80	358.80	12,825.05	4,881.72	-123.11	386,002.71	810,492.48	32.058224	-103.464523
17,995.00	90.40	1.20	12,824.88	4,976.72	-123.11	386,097.70	810,492.48	32.058485	-103.464521
18,089.00	91.60	3.60	12,823.24	5,070.61	-119.17	386,191.60	810,496.42	32.058743	-103.464506
18,183.00	92.50	3.20	12,819.88	5,164.38	-113.60	386,285.37	810,501.99	32.059000	-103.464485
18,276.00	90.50	2.20	12,817.44	5,257.24	-109.22	386,378.23	810,506.37	32.059256	-103.464469
18,371.00	90.10	2.80	12,816.95	5,352.15	-105.08	386,473.14	810,510.51	32.059516	-103.464453
18,465.00	89.80	1.30	12,817.03	5,446.09	-101.71	386,567.08	810,513.87	32.059774	-103.464440
18,559.00	91.50	0.80	12,815.96	5,540.06	-99.99	386,661.05	810,515.60	32.060033	-103.464432
18,653.00	91.20	0.30	12,813.75	5,634.03	-99.09	386,755.02	810,516.50	32.060291	-103.464426
18,746.00	89.60	0.00	12,813.10	5,727.02	-98.85	386,848.01	810,516.74	32.060547	-103.464423
18,828.00	90.20	2.90	12,813.24	5,808.99	-96.77	386,929.98	810,518.82	32.060772	-103.464414
18,860.00	88.50	4.70	12,813.60	5,840.91	-94.65	386,961.90	810,520.94	32.060860	-103.464407
18,954.00	88.70	4.40	12,815.90	5,934.59	-87.20	387,055.58	810,528.39	32.061117	-103.464380
19,049.00	88.60	4.50	12,818.14	6,029.28	-79.83	387,150.27	810,535.76	32.061377	-103.464354
19,142.00	88.20	2.20	12,820.74	6,122.08	-74.40	387,243.06	810,541.19	32.061632	-103.464334
19,237.00	88.20	2.40	12,823.72	6,216.95	-70.59	387,337.94	810,545.00	32.061893	-103.464319
19,331.00	90.00	1.20	12,825.20	6,310.89	-67.63	387,431.88	810,547.95	32.062151	-103.464307
19,425.00	91.80	1.70	12,823.72	6,404.84	-65.26	387,525.83	810,550.33	32.062409	-103.464297
19,519.00	92.10	0.10	12,820.52	6,498.77	-63.78	387,619.76	810,551.81	32.062667	-103.464290
19,613.00	89.70	357.70	12,819.05	6,592.73	-65.58	387,713.72	810,550.00	32.062925	-103.464293
19,708.00	90.90	357.50	12,818.55	6,687.64	-69.56	387,808.63	810,546.03	32.063186	-103.464304
19,801.00	90.70	356.40	12,817.25	6,780.50	-74.51	387,901.49	810,541.08	32.063442	-103.464317
19,895.00	90.30	355.70	12,816.43	6,874.27	-80.98	387,995.26	810,534.60	32.063700	-103.464336
19,989.00	89.70	356.50	12,816.43	6,968.06	-87.38	388,089.04	810,528.21	32.063957	-103.464354
20,083.00	91.50	2.50	12,815.44	7,062.00	-88.20	388,182.99	810,527.39	32.064216	-103.464354
20,177.00	91.10	1.90	12,813.31	7,155.91	-84.59	388,276.89	810,531.00	32.064474	-103.464340
20,271.00	90.90	3.00	12,811.67	7,249.80	-80.57	388,370.79	810,535.01	32.064732	-103.464325
20,364.00	89.00	0.30	12,811.75	7,342.75	-77.90	388,463.74	810,537.69	32.064987	-103.464314
20,458.00	88.80	0.20	12,813.56	7,436.73	-77.49	388,557.72	810,538.10	32.065246	-103.464310
20,553.00	89.70	1.00	12,814.80	7,531.72	-76.49	388,652.71	810,539.10	32.065507	-103.464304
20,647.00	89.00	0.30	12,815.87	7,625.71	-75.43	388,746.69	810,540.16	32.065765	-103.464298
20,742.00	89.40	1.40	12,817.19	7,720.69	-74.02	388,841.67	810,541.57	32.066026	-103.464291
20,836.00	91.20	0.00	12,816.70	7,814.67	-72.87	388,935.66	810,542.72	32.066284	-103.464285
20,930.00	92.50	358.20	12,813.67	7,908.60	-74.34	389,029.59	810,541.25	32.066542	-103.464287
21,024.00	91.50	356.10	12,810.38	8,002.42	-79.01	389,123.41	810,536.57	32.066800	-103.464300
21,118.00	91.10	353.70	12,808.25	8,096.02	-87.37	389,217.01	810,528.22	32.067058	-103.464325
21,212.00	90.90	359.70	12,806.61	8,189.81	-92.77	389,310.80	810,522.81	32.067316	-103.464340
21,306.00	91.40	1.10	12,804.72	8,283.78	-92.12	389,404.77	810,523.47	32.067574	-103.464335
21,401.00	90.20	0.70	12,803.40	8,378.76	-90.63	389,499.75	810,524.96	32.067835	-103.464328
21,494.00	90.10	358.40	12,803.15	8,471.75	-91.36	389,592.74	810,524.23	32.068091	-103.464328



Total Directional Services

Survey Report - Geographic



Company:	Devon Energy	Local Co-ordinate Reference:	Well Blondie 15-3 Fed Com 3H
Project:	Lea County, NM (NAD83)	TVD Reference:	RKB @ 3309.10usft
Site:	Blondie 15-3 Fed Com	MD Reference:	RKB @ 3309.10usft
Well:	Blondie 15-3 Fed Com 3H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
21,588.00	89.80	354.50	12,803.24	8,565.55	-97.18	389,686.54	810,518.41	32.068349	-103.464344
21,683.00	92.50	358.10	12,801.33	8,660.31	-103.31	389,781.30	810,512.28	32.068609	-103.464361
21,778.00	91.70	356.30	12,797.85	8,755.13	-107.94	389,876.12	810,507.64	32.068870	-103.464374
21,872.00	90.10	352.70	12,796.37	8,848.67	-116.95	389,969.66	810,498.64	32.069127	-103.464400
21,966.00	90.20	356.80	12,796.12	8,942.25	-125.55	390,063.24	810,490.04	32.069385	-103.464426
22,060.00	91.10	359.50	12,795.06	9,036.19	-128.58	390,157.18	810,487.00	32.069643	-103.464433
22,154.00	91.00	4.90	12,793.33	9,130.07	-124.98	390,251.06	810,490.61	32.069901	-103.464419
22,235.00	91.00	4.90	12,791.92	9,210.76	-118.06	390,331.75	810,497.53	32.070123	-103.464395

Checked By: _____ Approved By: _____ Date: _____



Devon Energy

Lea County, NM (NAD83)

Blondie 15-3 Fed Com

Blondie 15-3 Fed Com 3H

ST02

Design: ST02

Survey Report - Geographic

24 August, 2021





Total Directional Services

Survey Report - Geographic



Company:	Devon Energy	Local Co-ordinate Reference:	Well Blondie 15-3 Fed Com 3H
Project:	Lea County, NM (NAD83)	TVD Reference:	RKB @ 3309.10usft
Site:	Blondie 15-3 Fed Com	MD Reference:	RKB @ 3309.10usft
Well:	Blondie 15-3 Fed Com 3H	North Reference:	Grid
Wellbore:	ST02	Survey Calculation Method:	Minimum Curvature
Design:	ST02	Database:	EDM 5000.15 Single User Db

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

Site	Blondie 15-3 Fed Com				
Site Position:		Northing:	381,130.50 usft	Latitude:	32.044805
From:	Map	Easting:	811,669.55 usft	Longitude:	-103.460851
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.46 °

Well	Blondie 15-3 Fed Com 3H					
Well Position	+N-S	0.00 usft	Northing:	381,120.99 usft	Latitude:	32.044803
	+E-W	0.00 usft	Easting:	810,615.59 usft	Longitude:	-103.464253
Position Uncertainty		0.50 usft	Wellhead Elevation:	usft	Ground Level:	3,279.10 usft

Wellbore	ST02				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	7/30/2021	6.47	59.75	47,386.45240060

Design	ST02				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	17,711.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	359.02	

Survey Program	Date	8/24/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
179.00	17,711.00	Survey #1 (Wellbore #1)	OWSG (Rev2) MWD	OWSG MWD - Standard	
17,825.00	25,650.00	Survey #1 (ST02)	OWSG (Rev2) MWD	OWSG MWD - Standard	

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	381,120.99	810,615.59	32.044803	-103.464253
179.00	1.00	241.90	178.99	-0.74	-1.38	381,120.25	810,614.21	32.044801	-103.464257
270.00	1.10	244.40	269.98	-1.49	-2.87	381,119.50	810,612.72	32.044799	-103.464262
362.00	1.10	257.30	361.96	-2.06	-4.52	381,118.93	810,611.06	32.044797	-103.464268
452.00	1.10	245.00	451.94	-2.62	-6.15	381,118.37	810,609.44	32.044796	-103.464273
543.00	1.20	254.00	542.92	-3.25	-7.86	381,117.74	810,607.73	32.044794	-103.464278
634.00	1.40	243.50	633.90	-4.01	-9.77	381,116.98	810,605.82	32.044792	-103.464285
723.00	1.50	249.20	722.87	-4.91	-11.83	381,116.08	810,603.76	32.044789	-103.464291
813.00	1.60	247.50	812.84	-5.81	-14.09	381,115.18	810,601.50	32.044787	-103.464299
903.00	1.50	250.40	902.81	-6.68	-16.36	381,114.31	810,599.23	32.044785	-103.464306
936.00	1.60	251.80	935.79	-6.97	-17.21	381,114.02	810,598.38	32.044784	-103.464309



Total Directional Services

Survey Report - Geographic



Company:	Devon Energy	Local Co-ordinate Reference:	Well Blondie 15-3 Fed Com 3H
Project:	Lea County, NM (NAD83)	TVD Reference:	RKB @ 3309.10usft
Site:	Blondie 15-3 Fed Com	MD Reference:	RKB @ 3309.10usft
Well:	Blondie 15-3 Fed Com 3H	North Reference:	Grid
Wellbore:	ST02	Survey Calculation Method:	Minimum Curvature
Design:	ST02	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,021.00	1.40	255.70	1,020.77	-7.60	-19.34	381,113.39	810,596.25	32.044782	-103.464316
1,113.00	1.70	253.80	1,112.73	-8.26	-21.74	381,112.73	810,593.85	32.044781	-103.464323
1,204.00	1.70	253.00	1,203.69	-9.03	-24.33	381,111.96	810,591.26	32.044778	-103.464332
1,294.00	1.80	251.10	1,293.65	-9.88	-26.94	381,111.11	810,588.65	32.044776	-103.464340
1,385.00	1.50	254.40	1,384.61	-10.66	-29.44	381,110.33	810,586.15	32.044774	-103.464348
1,509.00	1.20	247.20	1,508.58	-11.60	-32.20	381,109.39	810,583.39	32.044772	-103.464357
1,602.00	2.10	187.50	1,601.54	-13.67	-33.32	381,107.32	810,582.27	32.044766	-103.464361
1,696.00	5.60	180.70	1,695.32	-19.96	-33.60	381,101.03	810,581.99	32.044749	-103.464362
1,790.00	5.80	183.50	1,788.85	-29.29	-33.95	381,091.70	810,581.64	32.044723	-103.464363
1,884.00	5.80	185.20	1,882.37	-38.76	-34.67	381,082.23	810,580.92	32.044697	-103.464366
1,979.00	6.00	185.10	1,976.87	-48.48	-35.54	381,072.50	810,580.04	32.044670	-103.464369
2,073.00	5.90	183.60	2,070.36	-58.20	-36.28	381,062.79	810,579.30	32.044644	-103.464372
2,168.00	6.20	181.10	2,164.83	-68.20	-36.69	381,052.79	810,578.90	32.044616	-103.464373
2,262.00	6.20	179.20	2,258.28	-78.35	-36.72	381,042.64	810,578.87	32.044588	-103.464373
2,357.00	6.20	178.90	2,352.73	-88.61	-36.55	381,032.38	810,579.04	32.044560	-103.464373
2,451.00	6.30	178.20	2,446.17	-98.84	-36.29	381,022.15	810,579.30	32.044532	-103.464373
2,545.00	6.30	175.10	2,539.60	-109.13	-35.68	381,011.85	810,579.90	32.044504	-103.464371
2,640.00	6.50	174.20	2,634.01	-119.68	-34.70	381,001.31	810,580.89	32.044475	-103.464368
2,734.00	6.60	173.50	2,727.40	-130.34	-33.55	380,990.65	810,582.04	32.044445	-103.464365
2,828.00	5.60	164.40	2,820.86	-140.12	-31.70	380,980.86	810,583.89	32.044418	-103.464359
2,922.00	5.50	155.80	2,914.43	-148.65	-28.62	380,972.34	810,586.97	32.044395	-103.464349
3,016.00	5.60	152.90	3,007.98	-156.84	-24.69	380,964.15	810,590.90	32.044372	-103.464337
3,110.00	5.70	148.10	3,101.53	-164.89	-20.13	380,956.10	810,595.46	32.044350	-103.464322
3,204.00	6.00	141.70	3,195.04	-172.71	-14.62	380,948.28	810,600.97	32.044328	-103.464305
3,298.00	5.10	140.50	3,288.60	-179.79	-8.92	380,941.20	810,606.67	32.044309	-103.464286
3,392.00	4.40	142.40	3,382.28	-185.87	-4.06	380,935.12	810,611.53	32.044292	-103.464271
3,487.00	2.90	157.50	3,477.08	-190.97	-0.91	380,930.01	810,614.67	32.044278	-103.464261
3,582.00	2.50	159.90	3,571.98	-195.14	0.72	380,925.85	810,616.31	32.044266	-103.464256
3,675.00	2.20	183.60	3,664.90	-198.83	1.30	380,922.16	810,616.89	32.044256	-103.464254
3,770.00	2.00	177.50	3,759.84	-202.30	1.26	380,918.69	810,616.85	32.044247	-103.464254
3,865.00	1.90	156.60	3,854.78	-205.40	1.96	380,915.58	810,617.55	32.044238	-103.464252
3,960.00	2.50	164.80	3,949.71	-208.85	3.13	380,912.14	810,618.71	32.044229	-103.464248
4,054.00	2.90	159.80	4,043.61	-213.06	4.49	380,907.93	810,620.07	32.044217	-103.464244
4,148.00	2.60	162.60	4,137.50	-217.33	5.94	380,903.66	810,621.53	32.044205	-103.464239
4,243.00	2.30	189.20	4,232.42	-221.26	6.28	380,899.73	810,621.87	32.044194	-103.464238
4,337.00	2.70	187.80	4,326.33	-225.32	5.68	380,895.67	810,621.27	32.044183	-103.464240
4,431.00	2.40	164.70	4,420.24	-229.41	5.90	380,891.58	810,621.49	32.044172	-103.464240
4,526.00	2.00	178.50	4,515.17	-232.99	6.47	380,888.00	810,622.06	32.044162	-103.464238
4,621.00	2.30	162.50	4,610.10	-236.46	7.09	380,884.53	810,622.67	32.044153	-103.464236
4,715.00	2.50	174.80	4,704.02	-240.30	7.84	380,880.69	810,623.43	32.044142	-103.464234
4,809.00	2.50	170.80	4,797.93	-244.37	8.35	380,876.62	810,623.94	32.044131	-103.464232
4,903.00	2.50	159.80	4,891.84	-248.32	9.39	380,872.67	810,624.98	32.044120	-103.464229
4,998.00	2.80	182.40	4,986.74	-252.58	10.01	380,868.41	810,625.59	32.044108	-103.464227
5,092.00	3.70	197.10	5,080.59	-257.77	9.02	380,863.22	810,624.61	32.044094	-103.464231
5,187.00	3.20	195.90	5,175.42	-263.25	7.39	380,857.74	810,622.98	32.044079	-103.464236
5,281.00	2.80	198.30	5,269.29	-267.95	5.95	380,853.03	810,621.54	32.044066	-103.464241
5,376.00	2.20	199.70	5,364.20	-271.87	4.61	380,849.11	810,620.20	32.044055	-103.464245
5,470.00	2.10	199.70	5,458.13	-275.19	3.42	380,845.79	810,619.01	32.044046	-103.464249
5,564.00	2.00	201.80	5,552.07	-278.34	2.23	380,842.65	810,617.82	32.044038	-103.464253
5,658.00	1.90	197.20	5,646.02	-281.35	1.16	380,839.64	810,616.75	32.044029	-103.464257
5,753.00	1.80	197.60	5,740.97	-284.28	0.24	380,836.71	810,615.83	32.044021	-103.464260
5,847.00	1.70	204.00	5,834.92	-286.96	-0.77	380,834.03	810,614.82	32.044014	-103.464263
5,942.00	1.70	204.70	5,929.88	-289.53	-1.93	380,831.46	810,613.65	32.044007	-103.464267
6,037.00	1.80	200.60	6,024.84	-292.20	-3.05	380,828.79	810,612.54	32.044000	-103.464270
6,131.00	1.70	200.80	6,118.79	-294.89	-4.06	380,826.10	810,611.53	32.043992	-103.464274



Total Directional Services

Survey Report - Geographic



Company:	Devon Energy	Local Co-ordinate Reference:	Well Blondie 15-3 Fed Com 3H
Project:	Lea County, NM (NAD83)	TVD Reference:	RKB @ 3309.10usft
Site:	Blondie 15-3 Fed Com	MD Reference:	RKB @ 3309.10usft
Well:	Blondie 15-3 Fed Com 3H	North Reference:	Grid
Wellbore:	ST02	Survey Calculation Method:	Minimum Curvature
Design:	ST02	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
6,225.00	1.60	199.30	6,212.75	-297.43	-4.99	380,823.56	810,610.60	32.043985	-103.464277
6,319.00	1.40	203.20	6,306.72	-299.72	-5.88	380,821.26	810,609.71	32.043979	-103.464280
6,414.00	1.30	203.20	6,401.70	-301.78	-6.76	380,819.21	810,608.83	32.043973	-103.464283
6,508.00	1.10	201.30	6,495.68	-303.60	-7.51	380,817.39	810,608.08	32.043968	-103.464285
6,603.00	1.00	198.30	6,590.66	-305.24	-8.10	380,815.75	810,607.49	32.043964	-103.464287
6,698.00	1.00	198.30	6,685.65	-306.81	-8.62	380,814.18	810,606.97	32.043960	-103.464289
6,792.00	0.90	197.80	6,779.63	-308.29	-9.10	380,812.69	810,606.49	32.043956	-103.464290
6,887.00	1.00	199.30	6,874.62	-309.79	-9.60	380,811.20	810,605.98	32.043951	-103.464292
6,980.00	0.90	199.50	6,967.61	-311.24	-10.12	380,809.75	810,605.47	32.043947	-103.464294
7,075.00	0.80	198.80	7,062.60	-312.57	-10.58	380,808.42	810,605.01	32.043944	-103.464295
7,169.00	0.90	197.00	7,156.59	-313.90	-11.01	380,807.09	810,604.58	32.043940	-103.464297
7,263.00	0.60	148.30	7,250.58	-315.02	-10.96	380,805.96	810,604.62	32.043937	-103.464297
7,357.00	0.90	77.70	7,344.57	-315.29	-9.98	380,805.70	810,605.60	32.043936	-103.464293
7,451.00	0.90	71.30	7,438.56	-314.89	-8.56	380,806.10	810,607.03	32.043937	-103.464289
7,546.00	0.80	73.00	7,533.55	-314.46	-7.22	380,806.53	810,608.37	32.043939	-103.464284
7,640.00	0.70	76.20	7,627.54	-314.13	-6.04	380,806.86	810,609.55	32.043939	-103.464281
7,734.00	0.70	93.20	7,721.53	-314.03	-4.91	380,806.96	810,610.68	32.043940	-103.464277
7,829.00	0.70	45.60	7,816.53	-313.65	-3.91	380,807.34	810,611.68	32.043941	-103.464274
7,924.00	1.30	29.80	7,911.51	-312.31	-2.96	380,808.68	810,612.63	32.043944	-103.464271
8,019.00	1.30	30.80	8,006.49	-310.45	-1.87	380,810.54	810,613.71	32.043949	-103.464267
8,113.00	1.00	28.60	8,100.47	-308.81	-0.94	380,812.18	810,614.65	32.043954	-103.464264
8,207.00	0.70	15.10	8,194.46	-307.54	-0.39	380,813.45	810,615.19	32.043957	-103.464262
8,302.00	0.60	13.50	8,289.45	-306.49	-0.13	380,814.49	810,615.46	32.043960	-103.464261
8,395.00	0.40	4.50	8,382.45	-305.70	0.01	380,815.29	810,615.60	32.043962	-103.464261
8,490.00	0.30	13.10	8,477.45	-305.12	0.10	380,815.86	810,615.68	32.043964	-103.464261
8,584.00	0.40	34.90	8,571.45	-304.62	0.34	380,816.37	810,615.93	32.043965	-103.464260
8,679.00	0.50	44.60	8,666.44	-304.05	0.82	380,816.94	810,616.41	32.043967	-103.464258
8,773.00	0.60	55.00	8,760.44	-303.47	1.51	380,817.51	810,617.10	32.043969	-103.464256
8,867.00	0.50	65.20	8,854.44	-303.02	2.29	380,817.97	810,617.87	32.043970	-103.464253
8,962.00	0.40	81.80	8,949.43	-302.80	2.99	380,818.19	810,618.58	32.043970	-103.464251
9,056.00	0.40	81.90	9,043.43	-302.71	3.64	380,818.28	810,619.23	32.043971	-103.464249
9,150.00	0.40	82.60	9,137.43	-302.62	4.29	380,818.37	810,619.88	32.043971	-103.464247
9,245.00	0.40	83.60	9,232.43	-302.54	4.95	380,818.45	810,620.54	32.043971	-103.464245
9,339.00	0.30	91.50	9,326.42	-302.51	5.52	380,818.48	810,621.11	32.043971	-103.464243
9,434.00	0.40	91.40	9,421.42	-302.52	6.10	380,818.47	810,621.69	32.043971	-103.464241
9,529.00	0.40	105.80	9,516.42	-302.62	6.75	380,818.37	810,622.34	32.043971	-103.464239
9,623.00	0.30	78.80	9,610.42	-302.66	7.31	380,818.33	810,622.90	32.043971	-103.464237
9,717.00	0.60	70.00	9,704.41	-302.45	8.01	380,818.54	810,623.60	32.043971	-103.464235
9,811.00	0.70	86.00	9,798.41	-302.24	9.05	380,818.75	810,624.64	32.043972	-103.464232
9,905.00	0.50	57.90	9,892.40	-301.98	9.97	380,819.01	810,625.56	32.043972	-103.464229
9,999.00	0.70	339.90	9,986.40	-301.22	10.12	380,819.77	810,625.71	32.043975	-103.464228
10,094.00	0.60	336.30	10,081.39	-300.22	9.72	380,820.77	810,625.31	32.043977	-103.464229
10,188.00	0.70	308.60	10,175.39	-299.41	9.07	380,821.58	810,624.66	32.043980	-103.464231
10,282.00	0.60	347.20	10,269.38	-298.58	8.52	380,822.41	810,624.10	32.043982	-103.464233
10,376.00	0.60	322.70	10,363.38	-297.70	8.11	380,823.28	810,623.70	32.043984	-103.464235
10,470.00	1.00	307.30	10,457.37	-296.82	7.16	380,824.17	810,622.75	32.043987	-103.464238
10,565.00	1.20	302.60	10,552.35	-295.78	5.66	380,825.21	810,621.25	32.043990	-103.464242
10,659.00	1.40	292.30	10,646.33	-294.81	3.77	380,826.18	810,619.36	32.043992	-103.464248
10,753.00	1.10	284.20	10,740.30	-294.15	1.83	380,826.83	810,617.42	32.043994	-103.464255
10,848.00	1.00	282.30	10,835.29	-293.75	0.14	380,827.24	810,615.72	32.043995	-103.464260
10,943.00	1.10	268.30	10,930.27	-293.60	-1.58	380,827.38	810,614.00	32.043996	-103.464266
11,037.00	1.30	262.50	11,024.25	-293.77	-3.54	380,827.22	810,612.04	32.043995	-103.464272
11,131.00	1.70	260.10	11,118.22	-294.15	-5.97	380,826.84	810,609.61	32.043994	-103.464280
11,226.00	1.50	254.50	11,213.18	-294.72	-8.56	380,826.27	810,607.03	32.043993	-103.464288
11,320.00	1.70	228.90	11,307.15	-295.97	-10.80	380,825.02	810,604.79	32.043989	-103.464295



Total Directional Services

Survey Report - Geographic



Company:	Devon Energy	Local Co-ordinate Reference:	Well Blondie 15-3 Fed Com 3H
Project:	Lea County, NM (NAD83)	TVD Reference:	RKB @ 3309.10usft
Site:	Blondie 15-3 Fed Com	MD Reference:	RKB @ 3309.10usft
Well:	Blondie 15-3 Fed Com 3H	North Reference:	Grid
Wellbore:	ST02	Survey Calculation Method:	Minimum Curvature
Design:	ST02	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
11,414.00	2.30	202.50	11,401.09	-298.63	-12.57	380,822.36	810,603.02	32.043982	-103.464301
11,508.00	2.90	184.50	11,495.00	-302.74	-13.48	380,818.25	810,602.11	32.043971	-103.464304
11,603.00	3.60	181.10	11,589.84	-308.12	-13.72	380,812.87	810,601.86	32.043956	-103.464305
11,697.00	3.80	184.10	11,683.65	-314.18	-14.00	380,806.81	810,601.58	32.043939	-103.464306
11,790.00	3.90	183.40	11,776.44	-320.41	-14.41	380,800.58	810,601.18	32.043922	-103.464308
11,885.00	4.60	188.20	11,871.17	-327.40	-15.15	380,793.59	810,600.44	32.043903	-103.464310
11,980.00	3.70	194.60	11,965.93	-334.14	-16.46	380,786.85	810,599.13	32.043885	-103.464315
12,073.00	3.00	192.20	12,058.77	-339.42	-17.73	380,781.57	810,597.86	32.043870	-103.464319
12,168.00	2.20	190.50	12,153.67	-343.65	-18.59	380,777.34	810,597.00	32.043859	-103.464322
12,241.00	1.90	193.60	12,226.62	-346.20	-19.13	380,774.79	810,596.46	32.043852	-103.464324
12,307.00	2.50	186.50	12,292.57	-348.69	-19.55	380,772.30	810,596.04	32.043845	-103.464325
12,401.00	2.60	8.30	12,386.54	-348.62	-19.47	380,772.37	810,596.11	32.043845	-103.464325
12,495.00	13.70	347.90	12,479.46	-335.58	-21.51	380,785.40	810,594.08	32.043881	-103.464331
12,589.00	23.30	352.00	12,568.50	-306.22	-26.44	380,814.77	810,589.15	32.043962	-103.464346
12,684.00	35.90	354.00	12,650.94	-259.73	-31.99	380,861.26	810,583.60	32.044090	-103.464363
12,778.00	46.10	354.60	12,721.78	-198.44	-38.07	380,922.55	810,577.52	32.044258	-103.464381
12,872.00	57.90	358.30	12,779.57	-124.65	-42.46	380,996.34	810,573.13	32.044461	-103.464393
12,967.00	68.70	3.30	12,822.21	-39.95	-41.10	381,081.03	810,574.49	32.044694	-103.464387
13,061.00	79.70	359.50	12,847.77	50.31	-38.97	381,171.30	810,576.61	32.044942	-103.464377
13,155.00	91.10	355.60	12,855.30	143.75	-43.00	381,264.74	810,572.59	32.045199	-103.464388
13,248.00	91.20	353.50	12,853.44	236.31	-51.83	381,357.29	810,563.76	32.045453	-103.464414
13,342.00	91.80	354.10	12,850.98	329.72	-61.98	381,450.71	810,553.61	32.045710	-103.464444
13,434.00	89.30	354.80	12,850.09	421.28	-70.87	381,542.27	810,544.72	32.045962	-103.464471
13,526.00	90.00	354.90	12,850.66	512.91	-79.13	381,633.89	810,536.46	32.046214	-103.464495
13,617.00	91.00	355.30	12,849.86	603.57	-86.90	381,724.56	810,528.68	32.046464	-103.464518
13,707.00	91.10	355.40	12,848.21	693.26	-94.20	381,814.25	810,521.39	32.046710	-103.464539
13,798.00	89.10	357.70	12,848.05	784.08	-99.67	381,905.07	810,515.91	32.046960	-103.464554
13,889.00	90.20	358.50	12,848.61	875.03	-102.69	381,996.02	810,512.90	32.047210	-103.464562
13,979.00	90.70	358.10	12,847.90	964.98	-105.36	382,085.97	810,510.23	32.047457	-103.464568
14,068.00	91.70	0.80	12,846.04	1,053.95	-106.22	382,174.94	810,509.37	32.047702	-103.464568
14,157.00	87.40	0.70	12,846.74	1,142.92	-105.05	382,263.91	810,510.54	32.047947	-103.464562
14,248.00	90.00	0.50	12,848.80	1,233.88	-104.10	382,354.87	810,511.49	32.048197	-103.464557
14,338.00	90.60	0.70	12,848.33	1,323.88	-103.16	382,444.87	810,512.43	32.048444	-103.464551
14,429.00	91.00	359.60	12,847.06	1,414.87	-102.92	382,535.85	810,512.67	32.048694	-103.464548
14,520.00	91.80	0.20	12,844.84	1,505.84	-103.08	382,626.83	810,512.51	32.048944	-103.464546
14,611.00	91.20	358.30	12,842.45	1,596.79	-104.27	382,717.78	810,511.32	32.049194	-103.464548
14,702.00	91.60	357.70	12,840.23	1,687.71	-107.44	382,808.70	810,508.15	32.049444	-103.464556
14,795.00	89.20	358.10	12,839.58	1,780.64	-110.85	382,901.63	810,504.74	32.049700	-103.464564
14,889.00	90.80	2.20	12,839.58	1,874.62	-110.60	382,995.60	810,504.98	32.049958	-103.464561
14,983.00	89.90	4.30	12,839.01	1,968.46	-105.27	383,089.45	810,510.31	32.050216	-103.464542
15,077.00	90.40	3.60	12,838.76	2,062.23	-98.80	383,183.22	810,516.79	32.050473	-103.464518
15,171.00	91.60	5.30	12,837.12	2,155.93	-91.51	383,276.92	810,524.08	32.050731	-103.464492
15,265.00	88.30	358.50	12,837.20	2,249.81	-88.39	383,370.80	810,527.19	32.050989	-103.464480
15,359.00	88.60	357.70	12,839.75	2,343.72	-91.51	383,464.71	810,524.08	32.051247	-103.464487
15,454.00	88.80	356.50	12,841.90	2,438.58	-96.31	383,559.56	810,519.27	32.051508	-103.464500
15,548.00	90.90	358.10	12,842.15	2,532.46	-100.74	383,653.45	810,514.85	32.051766	-103.464512
15,642.00	91.30	358.70	12,840.34	2,626.41	-103.37	383,747.40	810,512.22	32.052024	-103.464518
15,736.00	91.60	358.70	12,837.96	2,720.35	-105.50	383,841.34	810,510.09	32.052282	-103.464523
15,830.00	90.90	357.10	12,835.91	2,814.26	-108.94	383,935.25	810,506.65	32.052541	-103.464531
15,924.00	90.00	355.50	12,835.17	2,908.06	-115.01	384,029.05	810,500.58	32.052799	-103.464549
16,018.00	91.50	356.40	12,833.94	3,001.81	-121.64	384,122.80	810,493.94	32.053056	-103.464568
16,112.00	92.10	357.60	12,830.99	3,095.64	-126.56	384,216.63	810,489.03	32.053314	-103.464581
16,205.00	91.30	0.30	12,828.23	3,188.57	-128.26	384,309.56	810,487.32	32.053570	-103.464584
16,299.00	91.30	359.30	12,826.10	3,282.55	-128.59	384,403.53	810,487.00	32.053828	-103.464583
16,393.00	90.40	358.80	12,824.70	3,376.52	-130.15	384,497.51	810,485.44	32.054087	-103.464585



Total Directional Services

Survey Report - Geographic



Company:	Devon Energy	Local Co-ordinate Reference:	Well Blondie 15-3 Fed Com 3H
Project:	Lea County, NM (NAD83)	TVD Reference:	RKB @ 3309.10usft
Site:	Blondie 15-3 Fed Com	MD Reference:	RKB @ 3309.10usft
Well:	Blondie 15-3 Fed Com 3H	North Reference:	Grid
Wellbore:	ST02	Survey Calculation Method:	Minimum Curvature
Design:	ST02	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
16,487.00	89.00	357.30	12,825.20	3,470.46	-133.35	384,591.45	810,482.24	32.054345	-103.464593
16,582.00	89.10	358.20	12,826.77	3,565.37	-137.08	384,686.36	810,478.51	32.054606	-103.464603
16,676.00	89.40	1.40	12,828.00	3,659.35	-137.41	384,780.34	810,478.18	32.054864	-103.464601
16,770.00	90.70	3.30	12,827.92	3,753.27	-133.55	384,874.26	810,482.04	32.055122	-103.464586
16,864.00	90.00	4.30	12,827.35	3,847.06	-127.32	384,968.05	810,488.27	32.055380	-103.464564
16,958.00	89.10	5.00	12,828.08	3,940.74	-119.70	385,061.73	810,495.89	32.055637	-103.464537
17,053.00	89.60	2.30	12,829.16	4,035.53	-113.66	385,156.52	810,501.93	32.055898	-103.464515
17,147.00	89.10	3.00	12,830.23	4,129.43	-109.31	385,250.42	810,506.28	32.056156	-103.464498
17,241.00	90.60	2.10	12,830.48	4,223.33	-105.13	385,344.32	810,510.46	32.056414	-103.464483
17,335.00	91.10	359.80	12,829.08	4,317.30	-103.57	385,438.29	810,512.02	32.056672	-103.464475
17,429.00	90.20	358.20	12,828.01	4,411.28	-105.21	385,532.26	810,510.38	32.056930	-103.464478
17,523.00	91.00	358.00	12,827.03	4,505.22	-108.33	385,626.21	810,507.26	32.057188	-103.464486
17,617.00	89.30	355.20	12,826.78	4,599.04	-113.90	385,720.03	810,501.69	32.057446	-103.464501
17,711.00	89.50	356.80	12,827.77	4,692.80	-120.46	385,813.79	810,495.13	32.057704	-103.464520
17,825.00	87.50	355.30	12,830.75	4,806.48	-128.31	385,927.47	810,487.28	32.058017	-103.464542
17,920.00	86.90	355.20	12,835.39	4,901.04	-136.16	386,022.03	810,479.42	32.058277	-103.464565
18,014.00	85.90	355.10	12,841.30	4,994.52	-144.10	386,115.51	810,471.49	32.058534	-103.464588
18,108.00	87.50	354.60	12,846.71	5,087.98	-152.52	386,208.97	810,463.07	32.058791	-103.464613
18,202.00	88.90	355.40	12,849.66	5,181.58	-160.71	386,302.57	810,454.88	32.059049	-103.464637
18,296.00	92.20	354.40	12,848.76	5,275.19	-169.06	386,396.17	810,446.53	32.059306	-103.464662
18,390.00	92.50	355.70	12,844.90	5,368.75	-177.17	386,489.74	810,438.42	32.059564	-103.464685
18,484.00	91.80	358.50	12,841.37	5,462.56	-181.92	386,583.55	810,433.67	32.059821	-103.464698
18,578.00	91.50	359.00	12,838.67	5,556.50	-183.97	386,677.48	810,431.62	32.060080	-103.464702
18,672.00	91.10	359.50	12,836.54	5,650.46	-185.20	386,771.45	810,430.39	32.060338	-103.464704
18,765.00	91.40	0.30	12,834.51	5,743.44	-185.36	386,864.43	810,430.23	32.060594	-103.464702
18,860.00	91.20	1.50	12,832.35	5,838.40	-183.87	386,959.39	810,431.72	32.060855	-103.464695
18,954.00	90.00	0.10	12,831.37	5,932.38	-182.56	387,053.37	810,433.03	32.061113	-103.464688
19,049.00	89.80	358.30	12,831.53	6,027.37	-183.88	387,148.36	810,431.71	32.061374	-103.464690
19,143.00	89.30	2.10	12,832.27	6,121.35	-183.55	387,242.34	810,432.03	32.061632	-103.464686
19,249.00	90.40	0.00	12,832.55	6,227.32	-181.61	387,348.31	810,433.98	32.061924	-103.464677
19,343.00	91.80	5.30	12,830.74	6,321.17	-177.27	387,442.16	810,438.32	32.062181	-103.464661
19,437.00	90.60	1.40	12,828.77	6,414.97	-171.78	387,535.96	810,443.81	32.062439	-103.464641
19,531.00	89.30	358.20	12,828.86	6,508.95	-172.11	387,629.94	810,443.48	32.062697	-103.464639
19,625.00	89.20	358.00	12,830.09	6,602.89	-175.22	387,723.88	810,440.36	32.062956	-103.464647
19,719.00	88.20	358.40	12,832.22	6,696.82	-178.18	387,817.81	810,437.41	32.063214	-103.464654
19,813.00	90.60	357.40	12,833.20	6,790.75	-181.62	387,911.74	810,433.97	32.063472	-103.464663
19,907.00	90.40	0.10	12,832.38	6,884.71	-183.67	388,005.70	810,431.92	32.063731	-103.464667
20,001.00	90.20	0.50	12,831.89	6,978.71	-183.18	388,099.70	810,432.41	32.063989	-103.464663
20,095.00	91.40	357.20	12,830.58	7,072.67	-185.06	388,193.65	810,430.52	32.064247	-103.464667
20,189.00	90.20	355.00	12,829.27	7,166.43	-191.46	388,287.42	810,424.13	32.064505	-103.464685
20,283.00	90.80	354.20	12,828.44	7,260.01	-200.30	388,381.00	810,415.29	32.064762	-103.464711
20,376.00	93.70	357.60	12,824.79	7,352.68	-206.95	388,473.67	810,408.64	32.065017	-103.464730
20,470.00	93.30	357.40	12,819.05	7,446.41	-211.04	388,567.40	810,404.55	32.065275	-103.464741
20,565.00	93.30	357.20	12,813.59	7,541.15	-215.51	388,662.14	810,400.08	32.065536	-103.464753
20,659.00	91.40	359.20	12,809.73	7,635.01	-218.46	388,756.00	810,397.13	32.065794	-103.464760
20,754.00	92.80	0.80	12,806.25	7,729.95	-218.46	388,850.93	810,397.13	32.066055	-103.464757
20,848.00	90.40	0.90	12,803.63	7,823.89	-217.06	388,944.88	810,398.53	32.066313	-103.464750
20,942.00	90.30	359.90	12,803.05	7,917.89	-216.41	389,038.87	810,399.18	32.066571	-103.464746
21,036.00	91.30	1.80	12,801.74	8,011.86	-215.01	389,132.85	810,400.58	32.066829	-103.464739
21,130.00	90.40	0.70	12,800.34	8,105.83	-212.96	389,226.81	810,402.63	32.067088	-103.464730
21,224.00	91.00	4.20	12,799.20	8,199.72	-208.94	389,320.71	810,406.64	32.067346	-103.464714
21,318.00	90.50	1.10	12,797.96	8,293.60	-204.60	389,414.59	810,410.99	32.067604	-103.464698
21,405.00	89.00	0.40	12,798.34	8,380.59	-203.46	389,501.58	810,412.13	32.067843	-103.464692
21,498.00	91.90	0.70	12,797.61	8,473.57	-202.57	389,594.56	810,413.02	32.068098	-103.464687
21,592.00	91.40	1.30	12,794.91	8,567.52	-200.93	389,688.50	810,414.66	32.068356	-103.464679



Total Directional Services

Survey Report - Geographic



Company:	Devon Energy	Local Co-ordinate Reference:	Well Blondie 15-3 Fed Com 3H
Project:	Lea County, NM (NAD83)	TVD Reference:	RKB @ 3309.10usft
Site:	Blondie 15-3 Fed Com	MD Reference:	RKB @ 3309.10usft
Well:	Blondie 15-3 Fed Com 3H	North Reference:	Grid
Wellbore:	ST02	Survey Calculation Method:	Minimum Curvature
Design:	ST02	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
21,687.00	92.50	3.40	12,791.67	8,662.37	-197.04	389,783.36	810,418.55	32.068617	-103.464664
21,781.00	90.50	0.80	12,789.21	8,756.27	-193.59	389,877.25	810,421.99	32.068875	-103.464650
21,876.00	91.00	0.10	12,787.97	8,851.25	-192.85	389,972.24	810,422.74	32.069136	-103.464645
21,970.00	89.30	359.70	12,787.72	8,945.25	-193.01	390,066.24	810,422.58	32.069394	-103.464644
22,064.00	90.40	0.60	12,787.97	9,039.25	-192.77	390,160.24	810,422.82	32.069653	-103.464640
22,158.00	91.50	2.20	12,786.41	9,133.20	-190.47	390,254.19	810,425.12	32.069911	-103.464630
22,252.00	89.80	0.10	12,785.34	9,227.17	-188.58	390,348.16	810,427.00	32.070169	-103.464622
22,346.00	89.30	358.50	12,786.08	9,321.15	-189.73	390,442.14	810,425.86	32.070428	-103.464623
22,440.00	91.60	0.60	12,785.34	9,415.14	-190.47	390,536.13	810,425.12	32.070686	-103.464623
22,535.00	89.80	358.80	12,784.18	9,510.12	-190.97	390,631.11	810,424.62	32.070947	-103.464622
22,629.00	88.90	355.60	12,785.25	9,603.99	-195.56	390,724.98	810,420.03	32.071205	-103.464635
22,724.00	90.70	357.30	12,785.58	9,698.80	-201.44	390,819.79	810,414.15	32.071466	-103.464651
22,818.00	90.30	357.60	12,784.76	9,792.70	-205.62	390,913.69	810,409.97	32.071724	-103.464662
22,912.00	90.00	356.70	12,784.52	9,886.58	-210.30	391,007.57	810,405.29	32.071982	-103.464675
23,006.00	91.40	359.50	12,783.37	9,980.51	-213.41	391,101.50	810,402.17	32.072240	-103.464682
23,100.00	91.40	359.00	12,781.07	10,074.48	-214.64	391,195.47	810,400.94	32.072499	-103.464684
23,194.00	90.90	0.10	12,779.18	10,168.45	-215.38	391,289.44	810,400.21	32.072757	-103.464684
23,287.00	91.00	0.00	12,777.64	10,261.44	-215.30	391,382.43	810,400.29	32.073013	-103.464681
23,381.00	91.00	0.10	12,776.00	10,355.43	-215.22	391,476.42	810,400.37	32.073271	-103.464679
23,475.00	90.70	0.00	12,774.61	10,449.42	-215.14	391,570.40	810,400.45	32.073529	-103.464676
23,570.00	91.10	0.70	12,773.12	10,544.40	-214.56	391,665.39	810,401.03	32.073790	-103.464671
23,665.00	89.90	0.20	12,772.29	10,639.39	-213.81	391,760.38	810,401.78	32.074052	-103.464667
23,759.00	90.10	1.00	12,772.29	10,733.39	-212.83	391,854.38	810,402.76	32.074310	-103.464661
23,853.00	90.60	1.40	12,771.71	10,827.36	-210.86	391,948.35	810,404.73	32.074568	-103.464652
23,947.00	90.80	1.80	12,770.56	10,921.32	-208.23	392,042.31	810,407.36	32.074826	-103.464641
24,042.00	91.20	2.30	12,768.91	11,016.24	-204.83	392,137.23	810,410.75	32.075087	-103.464628
24,137.00	91.40	2.50	12,766.75	11,111.14	-200.86	392,232.13	810,414.73	32.075348	-103.464613
24,231.00	91.00	1.80	12,764.78	11,205.05	-197.33	392,326.04	810,418.26	32.075606	-103.464599
24,324.00	90.70	0.50	12,763.40	11,298.02	-195.47	392,419.01	810,420.12	32.075861	-103.464590
24,419.00	90.50	0.20	12,762.41	11,393.01	-194.89	392,514.00	810,420.70	32.076123	-103.464586
24,513.00	89.30	358.00	12,762.57	11,486.99	-196.36	392,607.98	810,419.23	32.076381	-103.464588
24,607.00	89.30	358.60	12,763.72	11,580.94	-199.15	392,701.93	810,416.44	32.076639	-103.464595
24,701.00	89.90	359.50	12,764.38	11,674.93	-200.71	392,795.92	810,414.88	32.076898	-103.464597
24,796.00	90.00	359.20	12,764.46	11,769.92	-201.79	392,890.91	810,413.80	32.077159	-103.464598
24,890.00	89.90	359.40	12,764.54	11,863.91	-202.93	392,984.90	810,412.65	32.077417	-103.464600
24,985.00	90.60	359.30	12,764.13	11,958.91	-204.01	393,079.89	810,411.58	32.077678	-103.464601
25,079.00	90.80	358.70	12,762.98	12,052.88	-205.65	393,173.87	810,409.94	32.077937	-103.464604
25,173.00	88.90	356.40	12,763.22	12,146.79	-209.67	393,267.78	810,405.92	32.078195	-103.464614
25,268.00	90.40	357.70	12,763.80	12,241.65	-214.56	393,362.64	810,401.03	32.078456	-103.464627
25,362.00	92.20	359.80	12,761.67	12,335.60	-216.61	393,456.59	810,398.98	32.078714	-103.464632
25,455.00	91.90	0.00	12,758.34	12,428.54	-216.77	393,549.53	810,398.82	32.078969	-103.464630
25,547.00	91.80	0.00	12,755.37	12,520.49	-216.77	393,641.48	810,398.82	32.079222	-103.464627
25,595.00	92.50	0.70	12,753.57	12,568.46	-216.48	393,689.44	810,399.11	32.079354	-103.464625
25,639.00	92.50	0.70	12,751.65	12,612.41	-215.94	393,733.40	810,399.65	32.079475	-103.464622
X LTP @ 25639' MD, 100' FNL, 531' FWL									
25,650.00	92.50	0.70	12,751.17	12,623.40	-215.81	393,744.39	810,399.78	32.079505	-103.464621
PBHL: 89' FNL, 530' FWL									



Total Directional Services

Survey Report - Geographic



Company:	Devon Energy	Local Co-ordinate Reference:	Well Blondie 15-3 Fed Com 3H
Project:	Lea County, NM (NAD83)	TVD Reference:	RKB @ 3309.10usft
Site:	Blondie 15-3 Fed Com	MD Reference:	RKB @ 3309.10usft
Well:	Blondie 15-3 Fed Com 3H	North Reference:	Grid
Wellbore:	ST02	Survey Calculation Method:	Minimum Curvature
Design:	ST02	Database:	EDM 5000.15 Single User Db

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
25,639.00	12,751.65	12,612.41	-215.94	X LTP @ 25639' MD, 100' FNL, 531' FWL
25,650.00	12,751.17	12,623.40	-215.81	PBHL; 89' FNL, 530' FWL

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

WELL API NO.	30-025-47546
5. Indicate Type of Lease STATE ☒ FEE ☐	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	Blondie 15-3 Fed Com
8. Well Number	3H
9. OGRID Number	6137
10. Pool name or Wildcat	WC-025 G-09 S263416B; UPPER WOLFCAMP

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.) 1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐	
2. Name of Operator	Devon Energy Production Company, L.P.
3. Address of Operator	333 West Sheridan, Oklahoma City, OK 73102
4. Well Location	Unit Letter <u>E</u> : <u>2149</u> feet from the <u>North</u> line and <u>634</u> feet from the <u>West</u> line Section <u>15</u> Township <u>26S</u> Range <u>34E</u> NMPM County <u>Lea</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) GL: 3279.1	

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

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

10/5/21-11/17/21: MIRU WL & PT. Cmt returns verified to surface - no log ran. PT csg to 11,500psi, OK. TIH w/pump through frac plug and guns. Perf Wolfcamp, 13,107'-25,614'. Frac totals 31,856,250# proppant, 70 bbl acid.
 ND frac, MIRU PU, NU BOP, DO plugs & CO to PBTD 25,627'. CHC, FWB, ND BOP. Tubing will be run at later date. TOP.

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

SIGNATURE Rebecca Deal TITLE Regulatory Analyst DATE 12/16/2021

Type or print name Rebecca Deal E-mail address: Rebecca.Deal@dmn.com PHONE: 405-228-8429
For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____
 Conditions of Approval (if any): _____

Submit To Appropriate District Office Two Copies 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 and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505				Form C-105 Revised August 1, 2011				
		1. WELL API NO.		30-025-47546						
		2. Type of Lease		☒ STATE ☐ FEE ☐ FED/INDIAN						
		3. State Oil & Gas Lease No.								
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 Blondie 15-3 Fed Com 6. Well Number: 3H				
7. Type of Completion:										
☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER										
8. Name of Operator						9. OGRID				
Devon Energy Production Company, L.P.						6137				
10. Address of Operator						11. Pool name or Wildcat				
333 West Sheridan Avenue, Oklahoma City, OK 73102						WC-025 G-09 S263416B; UPPER WOLFCAMP				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	E	15	26S	34E		2149	North	634	West	Lea
BH:	D	3	26S	34E		86	North	530	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.)		3279.1 GL		
6/20/21	8/15/21	8/19/21		11/17/21						
18. Total Measured Depth of Well			19. Plug Back Measured Depth		20. Was Directional Survey Made?		21. Type Electric and Other Logs Run			
25650 MD, 12751 TVD			25627		Yes		Cmt returns verified to surface - No log ran			
22. Producing Interval(s), of this completion - Top, Bottom, Name										
13017-25614, UPPER WOLFCAMP										
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		1000'		17-1/2"		750 sx CIC; circ 350 sx		
8-5/8"		32		12,288'		9-7/8"		720 sx CIC; circ 323 sx		
5-1/2"		20		25,629'		7-7/8"		3761 sx CIC; circ 140 sx		
24. LINER RECORD										
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		25. TUBING RECORD				
						SIZE		DEPTH SET		PACKER SET
26. Perforation record (interval, size, and number)					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
13017 - 25614, total 1834 holes					DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
					13017-25614		Acidize and frac in 62 stages. See detailed summary attached.			
28. PRODUCTION										
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)				
11/17/21		Flowing				Producing				
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio			
12/9/21	24			1272	1944	3936				
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)				
psi	2186 psi									
29. Disposition of Gas (Sold, used for fuel, vented, etc.)							30. Test Witnessed By			
Sold										
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			Title		Regulatory Analyst		Date		
	Rebecca Deal			Rebecca Deal				12/16/2021		
E-mail Address		Rebecca.Deal@dmr.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.

[illegible]

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

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

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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 67593

ACKNOWLEDGMENTS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 67593
	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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1000 Rio Brazos Rd., Aztec, NM 87410
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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 67593

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 67593
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
Ilowe	COA: File 3160-4 Completion Report within 10 days to NMOCD after BLM approval.	10/6/2022